

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090919\
 Data File : VU034425.D
 Acq On : 09 Sep 2019 12:03
 Operator : JC/SP
 Sample : VU0909WBS01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 Client Sample ID :
 VU0909WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:17:24 PM

Quant Time: Sep 10 06:18:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\82U090619W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 06 05:10:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.96	168	277166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.87	114	395162	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	393868	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	264032	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	207854	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
35) Dibromofluoromethane	4.86	113	189101	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	7.54	98	729068	52.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.56%	
62) 4-Bromofluorobenzene	10.29	95	263460	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52339	18.056	ug/l	98
3) Chloromethane	1.32	50	61322	19.529	ug/l	97
4) Vinyl Chloride	1.40	62	64445	17.841	ug/l	99
5) Bromomethane	1.62	94	41860	20.307	ug/l	100
6) Chloroethane	1.69	64	42389	19.581	ug/l	97
7) Trichlorofluoromethane	1.88	101	93705	19.347	ug/l	98
8) Diethyl Ether	2.10	74	41393	19.429	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.28	101	62388	19.448	ug/l	98
10) Methyl Iodide	2.40	142	35130	14.895	ug/l	98
11) Tert butyl alcohol	2.81	59	81205	91.658	ug/l	99
12) 1,1-Dichloroethene	2.27	96	58529	19.409	ug/l	99
13) Acrolein	2.19	56	56729	76.183	ug/l	100
14) Allyl chloride	2.58	41	104005m	18.040	ug/l	
15) Acrylonitrile	2.92	53	217818	98.728	ug/l	97
16) Acetone	2.31	43	185928	85.675	ug/l	98
17) Carbon Disulfide	2.47	76	116984	17.260	ug/l	99
18) Methyl Acetate	2.60	43	98744	18.699	ug/l	98
19) Methyl tert-butyl Ether	2.98	73	216634	19.709	ug/l	99
20) Methylene Chloride	2.69	84	74137	20.622	ug/l	100
21) trans-1,2-Dichloroethene	2.97	96	59682	18.781	ug/l	96
22) Diisopropyl ether	3.55	45	221178	19.672	ug/l	92
23) Vinyl Acetate	3.51	43	867768	94.754	ug/l	98
24) 1,1-Dichloroethane	3.43	63	129869	19.342	ug/l	99
25) 2-Butanone	4.24	43	273737	94.493	ug/l	99
26) 2,2-Dichloropropane	4.21	77	102504	18.982	ug/l	100
27) cis-1,2-Dichloroethene	4.21	96	76162	19.733	ug/l	97
28) Bromochloromethane	4.53	49	59898	19.395	ug/l	94
29) Tetrahydrofuran	4.62	42	172358	97.776	ug/l	98
30) Chloroform	4.65	83	133498	19.561	ug/l	100
31) Cyclohexane	4.97	56	89636	18.248	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	108753	19.931	ug/l	99
36) 1,1-Dichloropropene	5.12	75	80624	18.813	ug/l	99
37) Ethyl Acetate	4.36	43	98331	19.406	ug/l	99
38) Carbon Tetrachloride	5.11	117	91965	20.098	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	81867	17.870	ug/l	98
40) Benzene	5.37	78	274921	19.881	ug/l	99
41) Methacrylonitrile	4.52	41	53450	19.804	ug/l	97
42) 1,2-Dichloroethane	5.39	62	96481	20.095	ug/l	99
43) Isopropyl Acetate	5.53	43	149707	18.940	ug/l	97
44) Trichloroethene	6.17	130	77201	20.175	ug/l	99
45) 1,2-Dichloropropane	6.41	63	81094	20.060	ug/l	96
46) Dibromomethane	6.54	93	52336	20.624	ug/l	98
47) Bromodichloromethane	6.74	83	104291	19.966	ug/l	98
48) Methyl methacrylate	6.60	41	68462	18.236	ug/l	97
49) 1,4-Dioxane	6.59	88	31622	385.732	ug/l	98
51) 4-Methyl-2-Pentanone	7.44	43	534825	97.750	ug/l	99
52) Toluene	7.62	92	177641	20.478	ug/l	99
53) t-1,3-Dichloropropene	7.86	75	103226	19.064	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	117006	19.689	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	78969	20.048	ug/l	99
56) Ethyl methacrylate	8.00	69	101043	18.922	ug/l	99
57) 1,3-Dichloropropane	8.22	76	128092	19.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.11	63	152509	86.935	ug/l	99
59) 2-Hexanone	8.34	43	394491	96.514	ug/l	99
60) Dibromochloromethane	8.46	129	86591	20.495	ug/l	97
61) 1,2-Dibromoethane	8.57	107	79358	20.584	ug/l	99
64) Tetrachloroethene	8.21	164	67145	19.650	ug/l	99
65) Chlorobenzene	9.10	112	202155	20.230	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.19	131	77604	20.350	ug/l	99
67) Ethyl Benzene	9.23	91	318368	19.486	ug/l	99
68) m/p-Xylenes	9.35	106	252321	41.012	ug/l	100
69) o-Xylene	9.76	106	123057	20.452	ug/l	97
70) Styrene	9.77	104	221124	20.961	ug/l	99
71) Bromoform	9.94	173	66999	20.272	ug/l #	100
73) Isopropylbenzene	10.14	105	334414	19.462	ug/l	100
74) N-amyl acetate	9.99	43	126719	18.321	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	137963	19.836	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	110147m	19.112	ug/l	
77) Bromobenzene	10.43	156	95492	19.876	ug/l	98
78) n-propylbenzene	10.57	91	388611	19.583	ug/l	100
79) 2-Chlorotoluene	10.64	91	241014	19.905	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	297773	20.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	10.49	75	35886m	20.940	ug/l	
82) 4-Chlorotoluene	10.75	91	282706	20.289	ug/l	99
83) tert-Butylbenzene	11.08	119	280547	19.515	ug/l	100
84) 1,2,4-Trimethylbenzene	11.12	105	290833	20.105	ug/l	98
85) sec-Butylbenzene	11.30	105	337773	19.902	ug/l	99
86) p-Isopropyltoluene	11.45	119	313197	19.994	ug/l	100
87) 1,3-Dichlorobenzene	11.40	146	176687	20.153	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	181151	19.810	ug/l	99
89) n-Butylbenzene	11.87	91	257030	18.881	ug/l	98
90) Hexachloroethane	12.12	117	48516	19.359	ug/l	97
91) 1,2-Dichlorobenzene	11.85	146	174858	20.294	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	24892	19.476	ug/l	93

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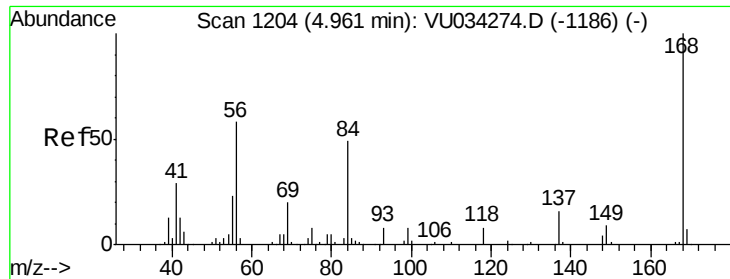
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.48	180	102264	18.687	ug/l	99
94) Hexachlorobutadiene	13.67	225	56199	18.647	ug/l	99
95) Naphthalene	13.72	128	270292	18.108	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	106317	19.324	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion:168 Resp: 277166

Ion Ratio Lower Upper

168 100

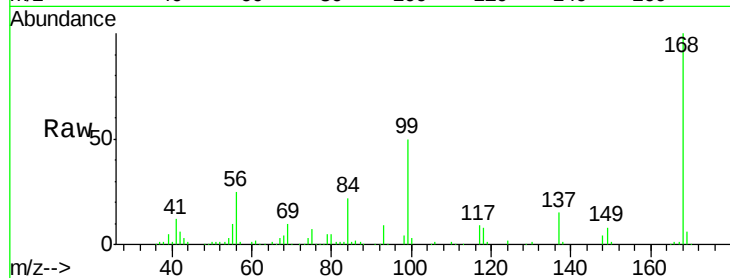
99 49.0 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VU034274.D (-1186) (-)

Ion 98.90 (98.60 to 99.60): VU034274.D (-1186) (-)

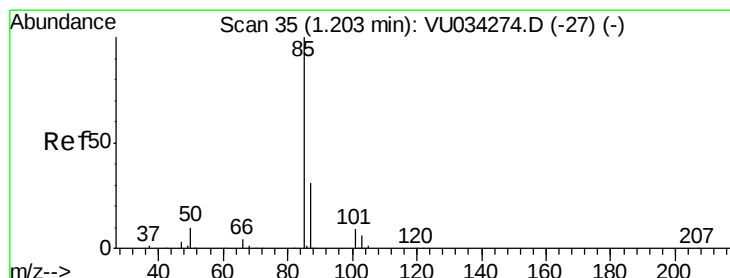
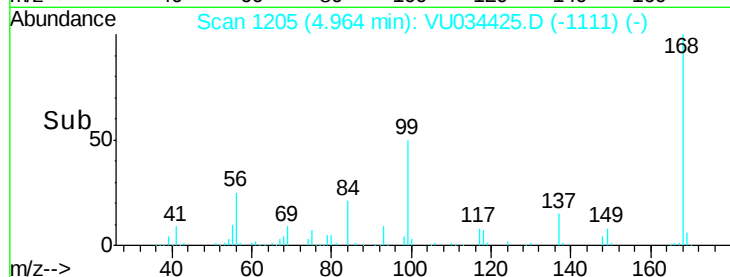
4.96

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 18.056 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034425.D

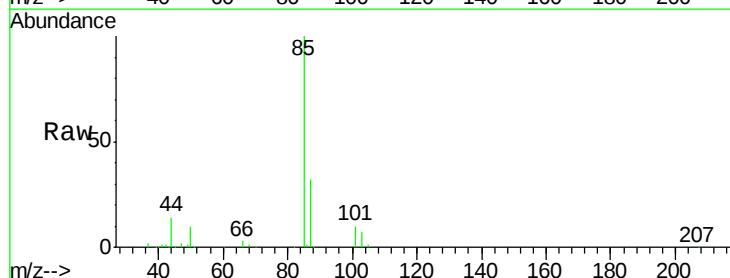
Acq: 09 Sep 2019 12:03

Tgt Ion: 85 Resp: 52339

Ion Ratio Lower Upper

85 100

87 32.3 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU034274.D (-27) (-)

Ion 86.90 (86.60 to 87.60): VU034274.D (-27) (-)

1.20

60000

50000

40000

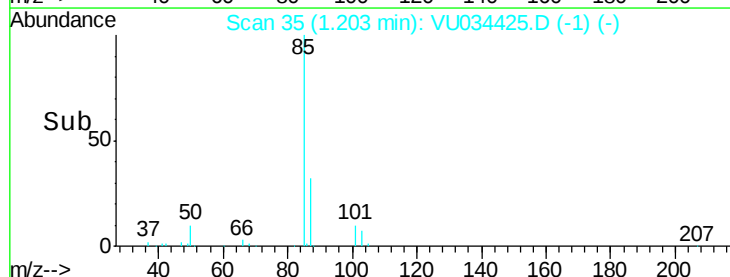
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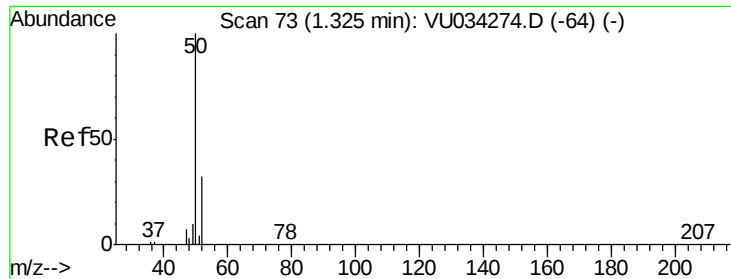
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.529 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 50 Resp: 61322

Ion Ratio Lower Upper

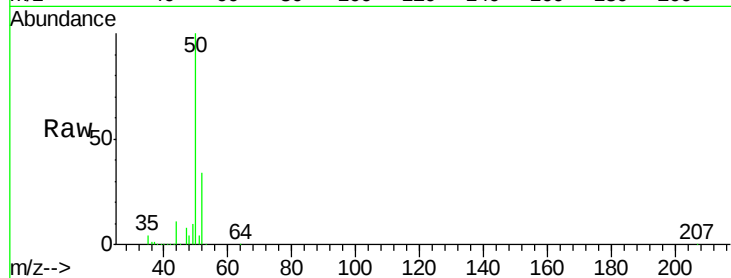
50 100

52 33.8 25.8 38.6

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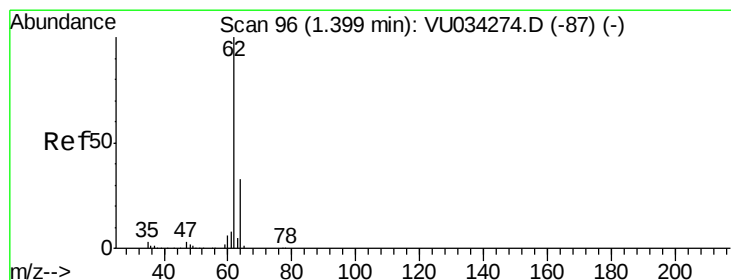
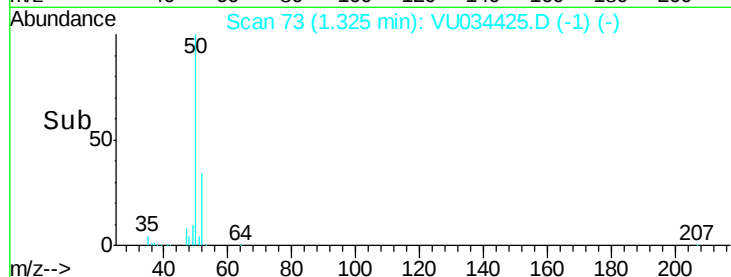
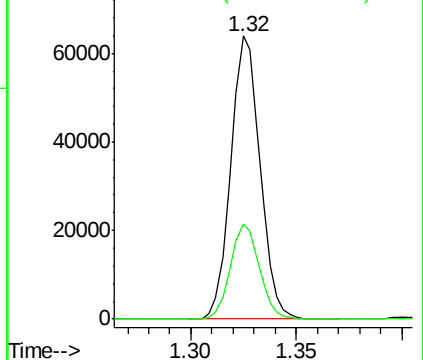
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Abundance Ion 49.90 (49.60 to 50.60): VU0

Ion 51.90 (51.60 to 52.60): VU0



#4

Vinyl Chloride

Concen: 17.841 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034425.D

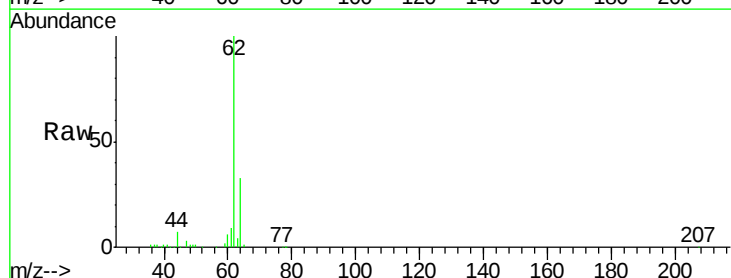
Acq: 09 Sep 2019 12:03

Tgt Ion: 62 Resp: 64445

Ion Ratio Lower Upper

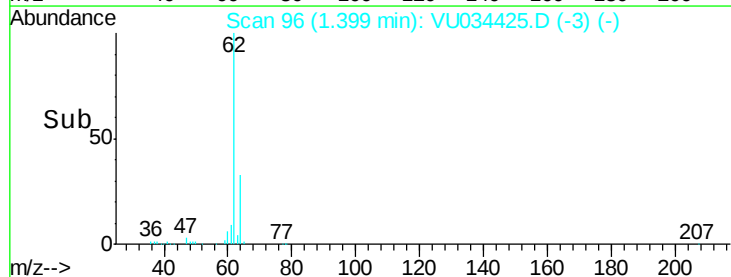
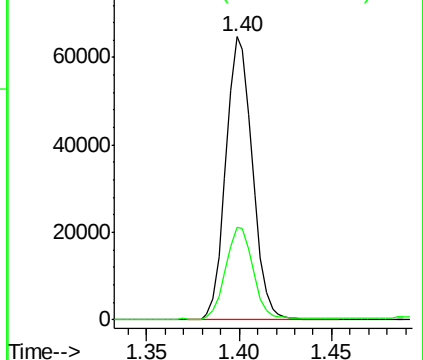
62 100

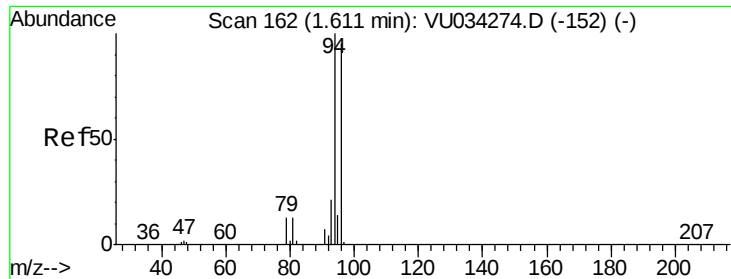
64 32.3 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU0

Ion 63.90 (63.60 to 64.60): VU0





#5

Bromomethane

Concen: 20.307 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 94 Resp: 41860

Ion Ratio Lower Upper

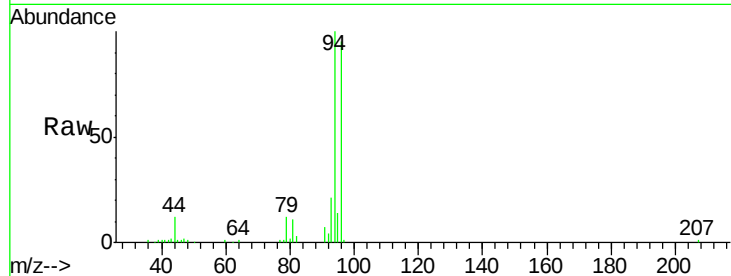
94 100

96 95.0 75.7 113.5

Manual Integrations
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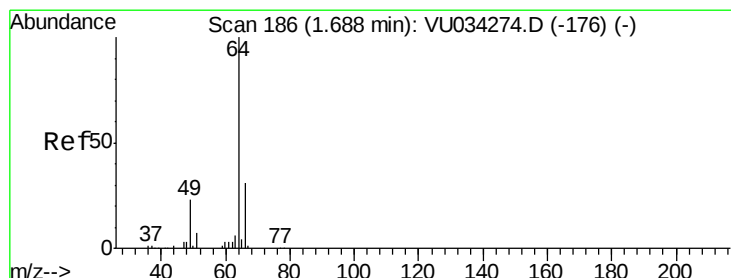
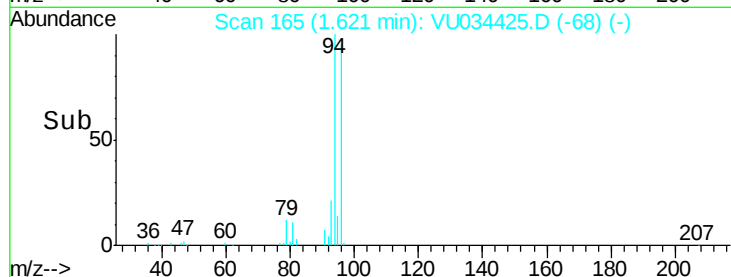
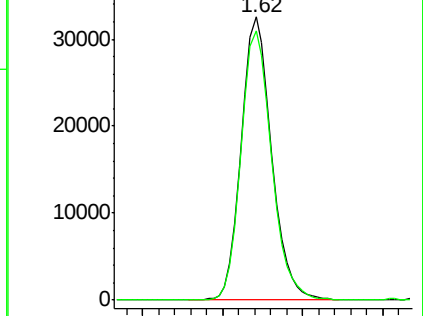
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Abundance Ion 93.90 (93.60 to 94.60): VU034425.D (-152) (-)

Ion 95.90 (95.60 to 96.60): VU034425.D (-152) (-)



#6

Chloroethane

Concen: 19.581 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU034425.D

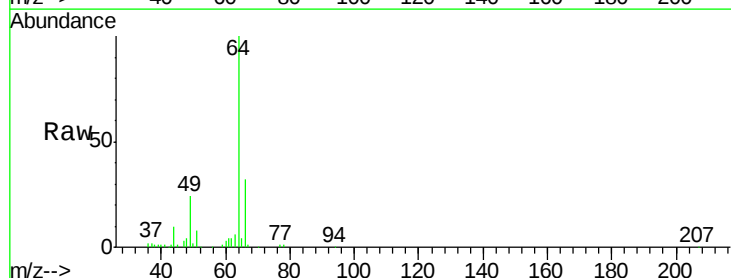
Acq: 09 Sep 2019 12:03

Tgt Ion: 64 Resp: 42389

Ion Ratio Lower Upper

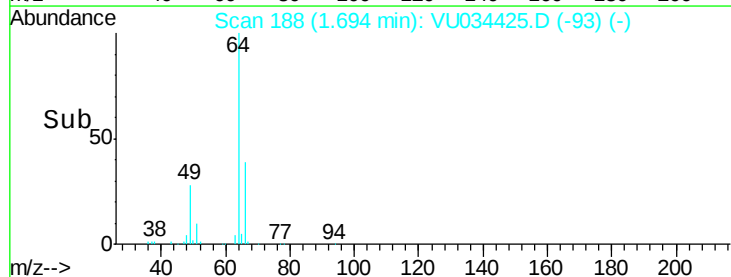
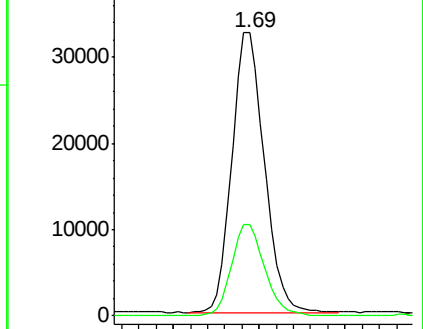
64 100

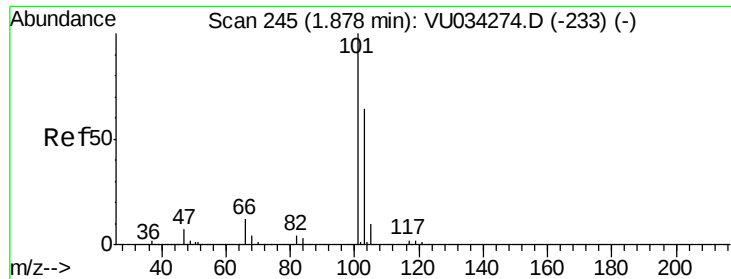
66 32.7 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034425.D (-176) (-)

Ion 65.90 (65.60 to 66.60): VU034425.D (-176) (-)





#7

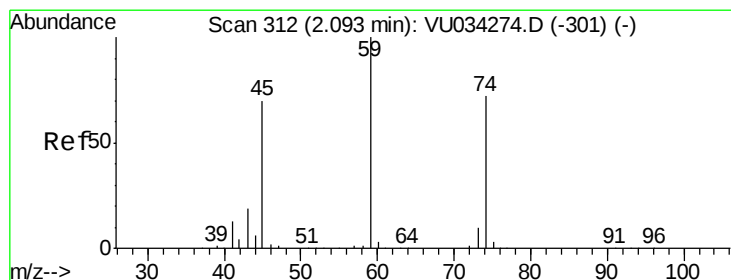
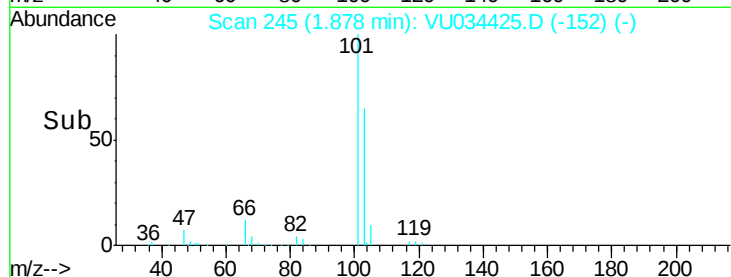
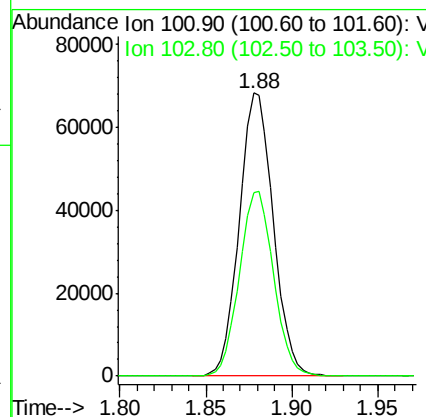
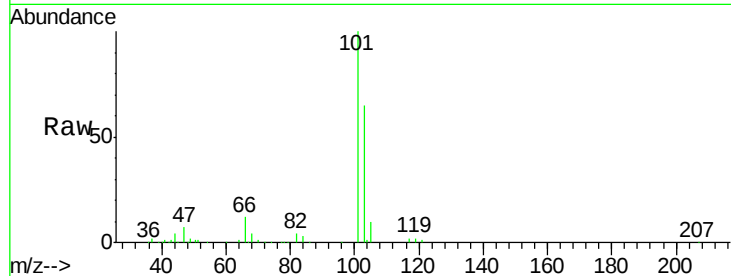
Trichlorofluoromethane
 Concen: 19.347 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
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 ClientSampleId :
 VU0909WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	51.0	76.6

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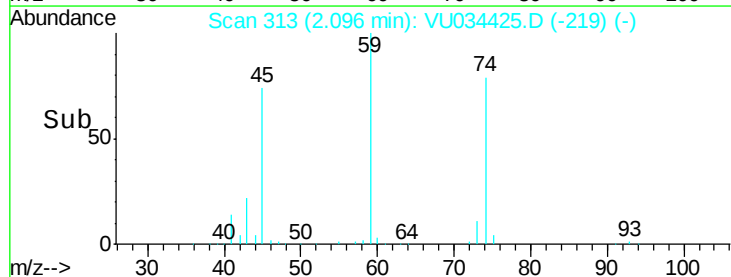
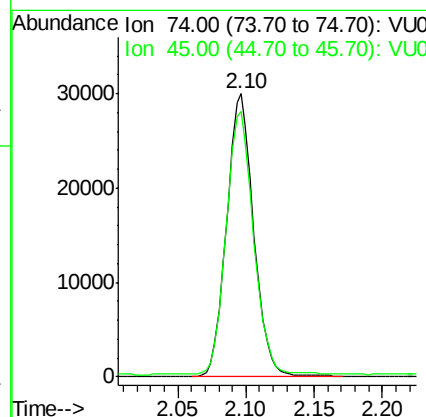
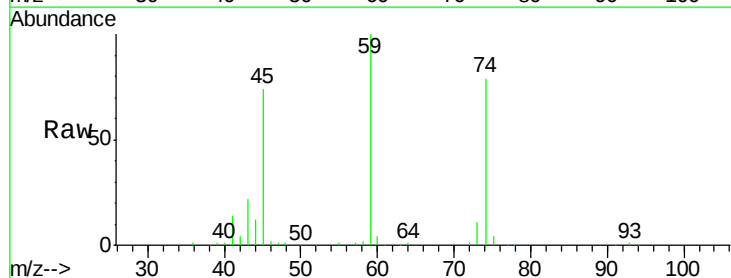
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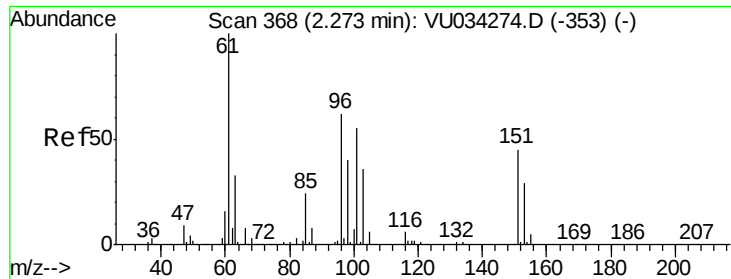


#8

Diethyl Ether
 Concen: 19.429 ug/l
 RT: 2.10 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.2	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.448 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

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MSVOA_U

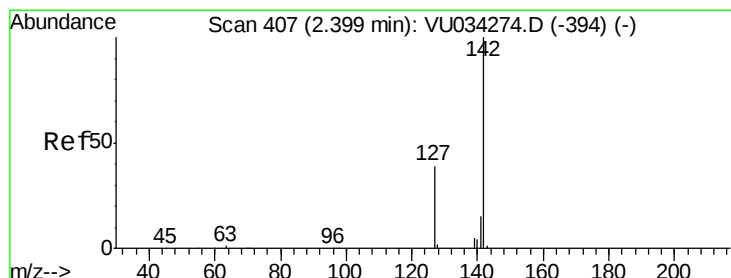
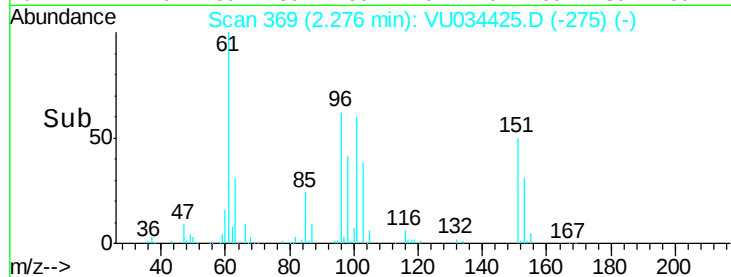
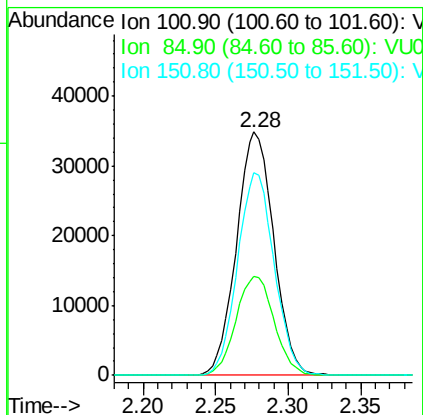
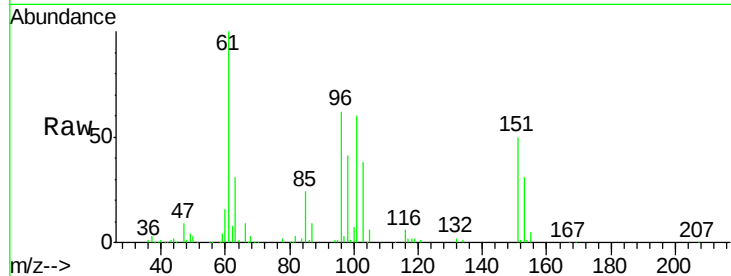
ClientSampleId :

VU0909WBS01

Tot Ion:	101	Resp:	62388
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.4	51.6
151	81.7	64.4	96.6

Manual Integrations
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MMDadoda
9/10/2019 4:17:24 PM



#10

Methyl Iodide

Concen: 14.895 ug/l

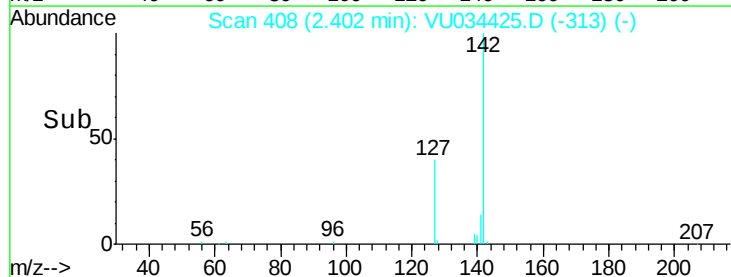
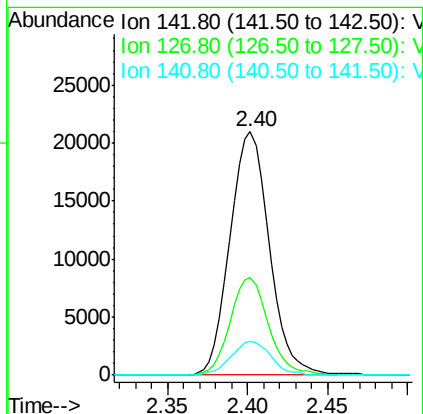
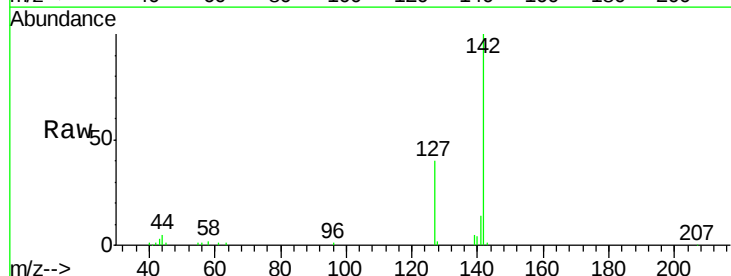
RT: 2.40 min Scan# 408

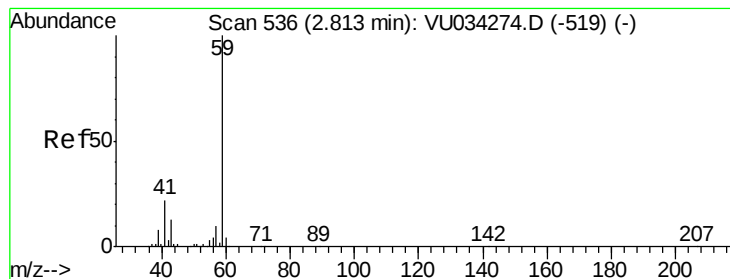
Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion:	142	Resp:	35130
Ion Ratio	Lower	Upper	
142	100		
127	39.0	32.1	48.1
141	14.1	11.5	17.3





#11

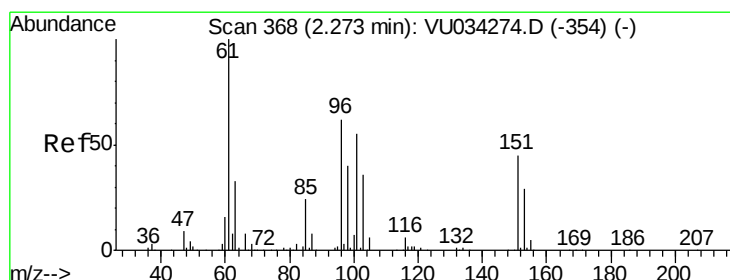
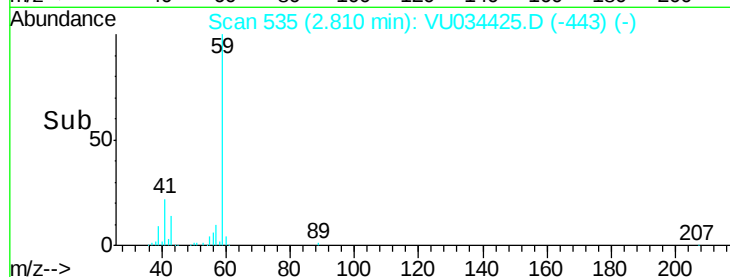
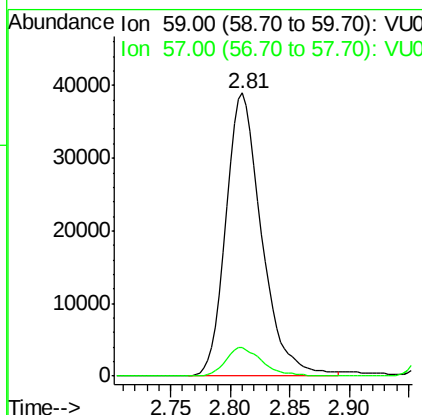
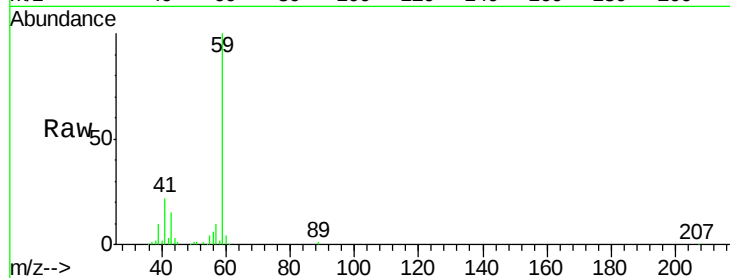
Tert butyl alcohol
 Concen: 91.658 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	10.3	7.9	11.9

Manual Integrations
 APPROVED

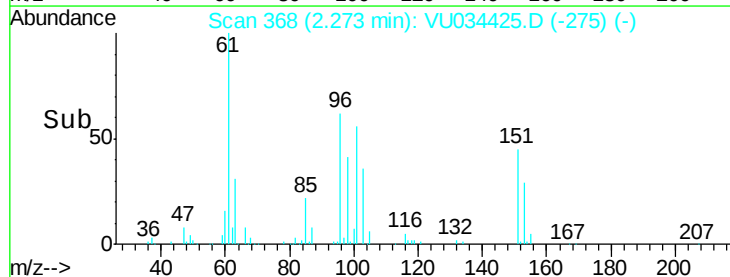
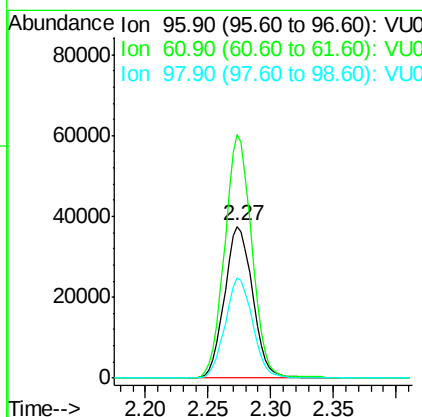
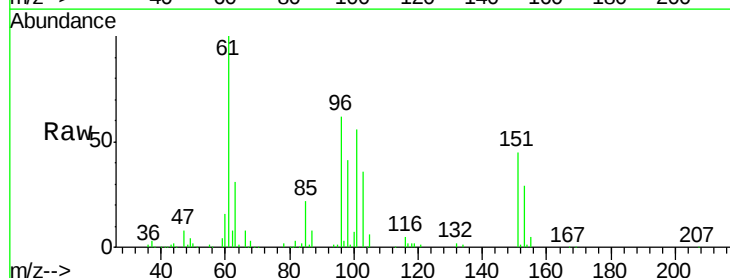
MMDadoda
 9/10/2019 4:17:24 PM

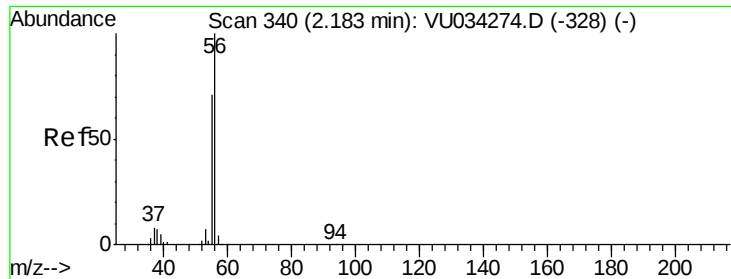


#12

1,1-Dichloroethene
 Concen: 19.409 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	160.3	130.0	195.0
98	98	65.9	52.2	78.4





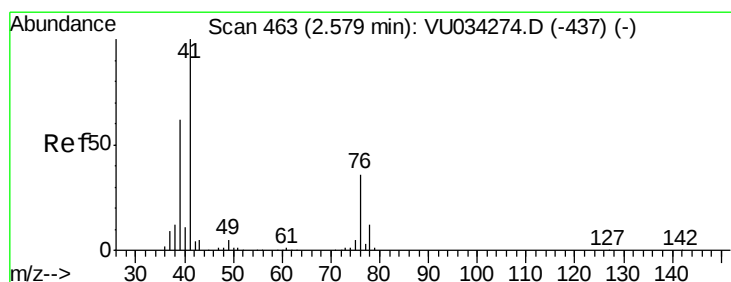
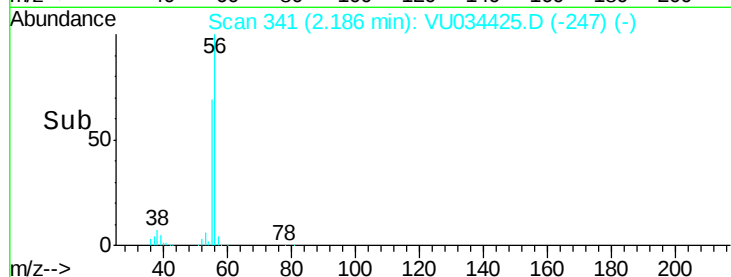
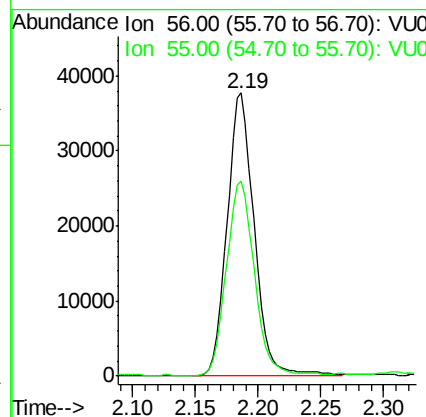
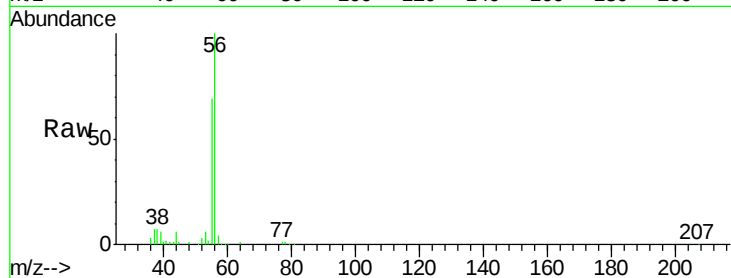
#13
Acrolein
Concen: 76.183 ug/l
RT: 2.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.9	57.4	86.2

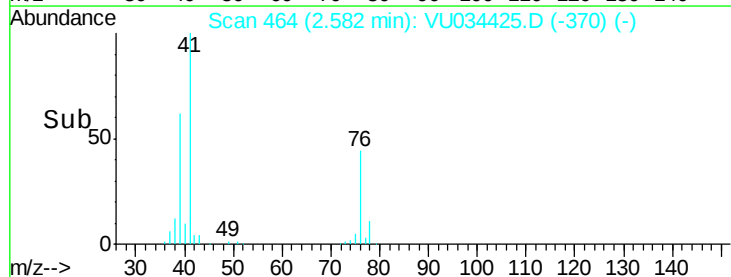
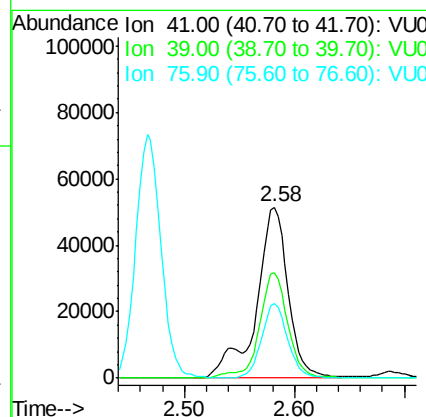
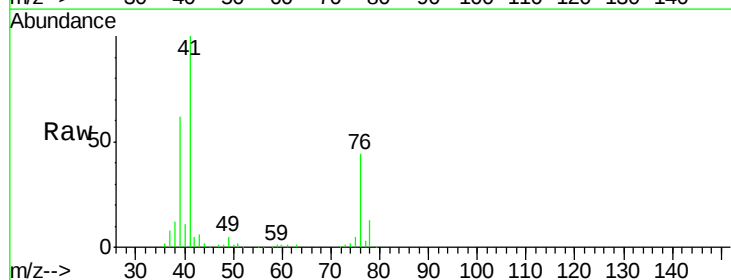
Manual Integrations
APPROVED

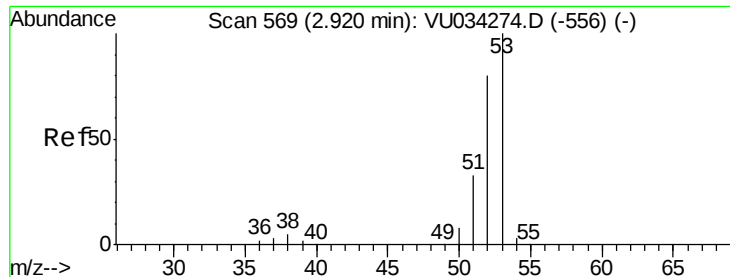
MMDadoda
9/10/2019 4:17:24 PM



#14
Allyl chloride
Concen: 18.040 ug/l m
RT: 2.58 min Scan# 464
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.1	43.5	65.3
76	35.3	27.0	40.6





#15

Acrylonitrile

Concen: 98.728 ug/l

RT: 2.92 min Scan# 570

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

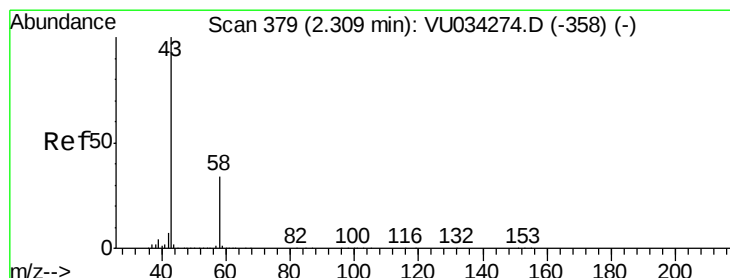
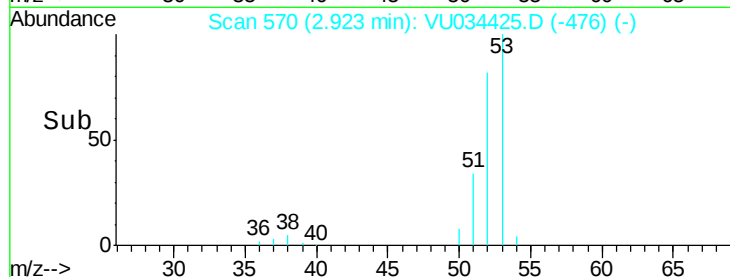
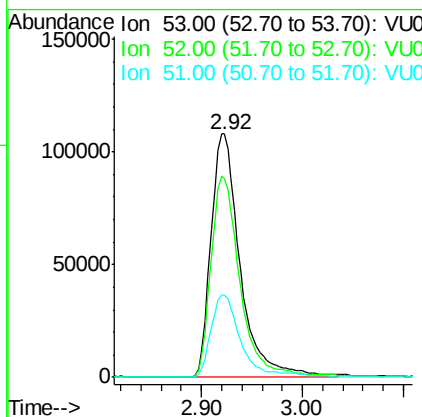
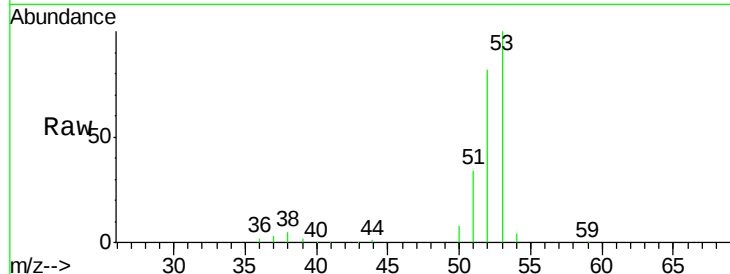
ClientSampled :

VU0909WBS01

Tot Ion:	53	Resp:	217818
Ion	Ratio	Lower	Upper
53	100		
52	83.1	64.1	96.1
51	34.9	27.4	41.0

Manual Integrations
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9/10/2019 4:17:24 PM



#16

Acetone

Concen: 85.675 ug/l

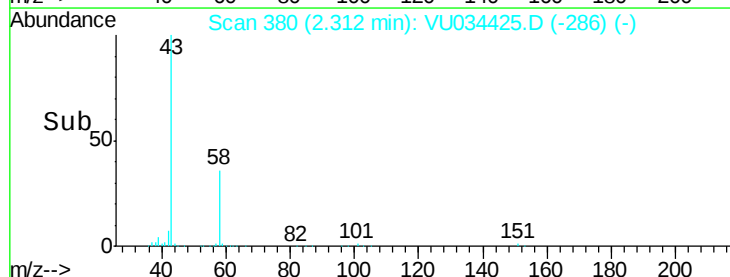
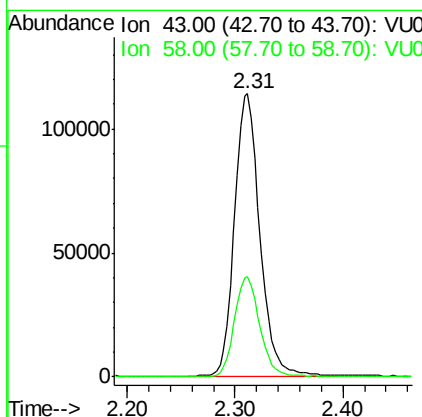
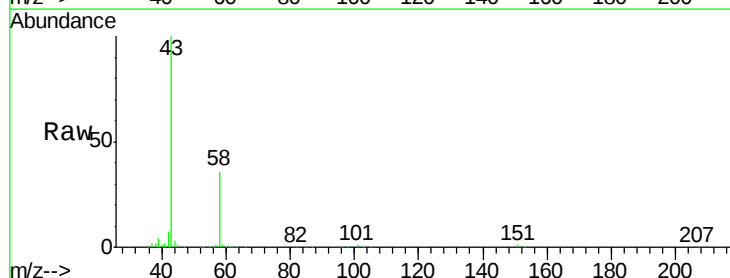
RT: 2.31 min Scan# 380

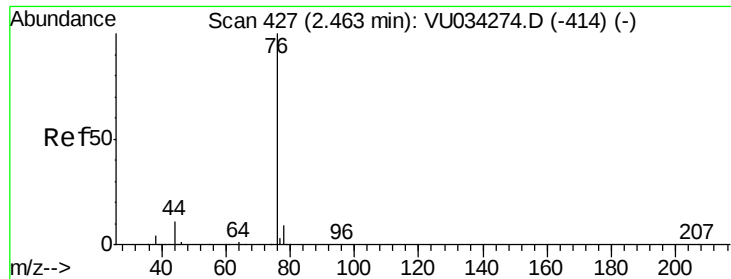
Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion:	43	Resp:	185928
Ion	Ratio	Lower	Upper
43	100		
58	35.6	27.6	41.4





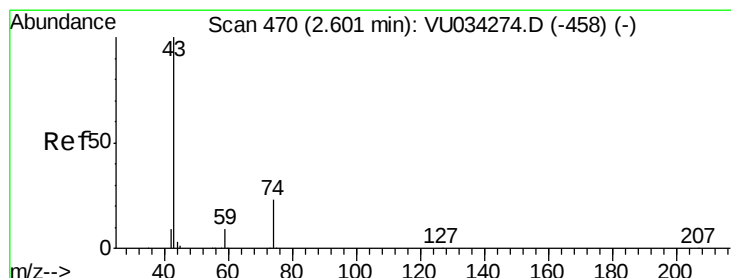
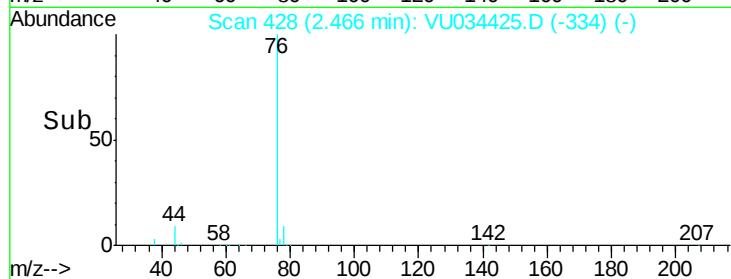
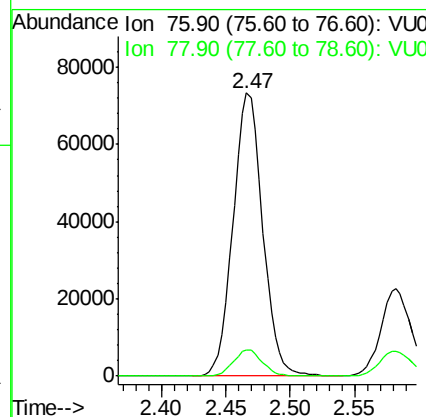
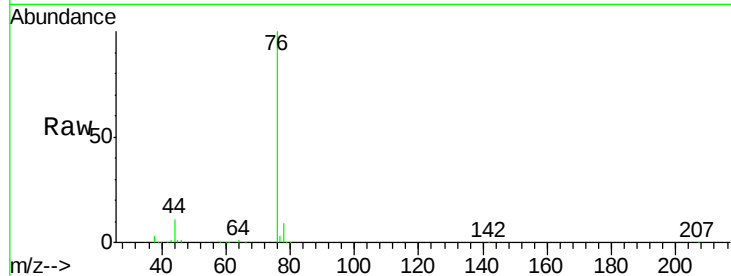
#17
Carbon Disulfide
Concen: 17.260 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

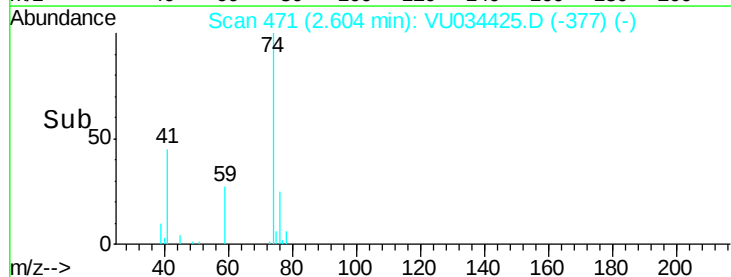
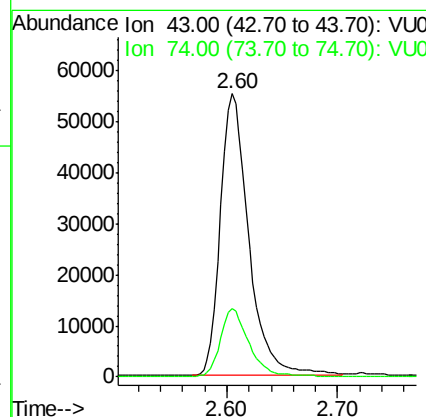
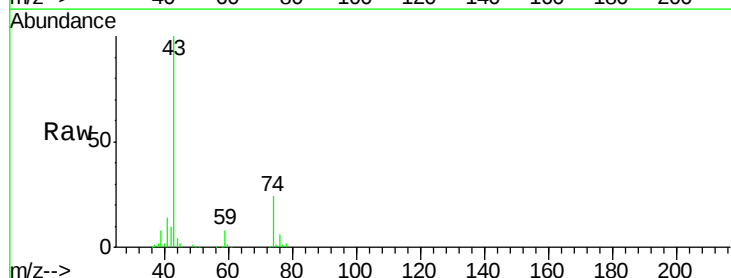
Manual Integrations
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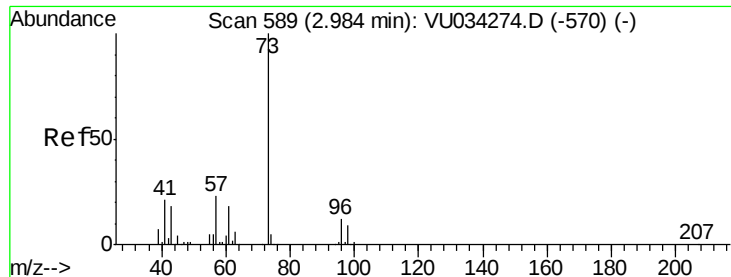
MMDadoda
9/10/2019 4:17:24 PM



#18
Methyl Acetate
Concen: 18.699 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	18.9	28.3





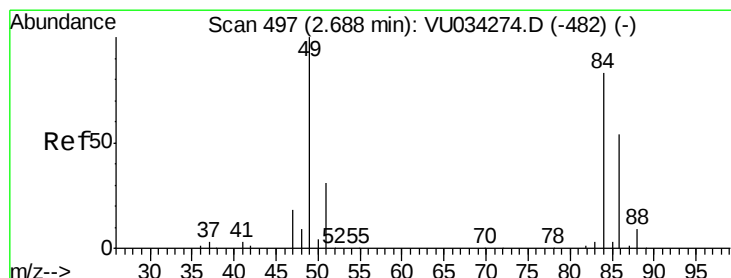
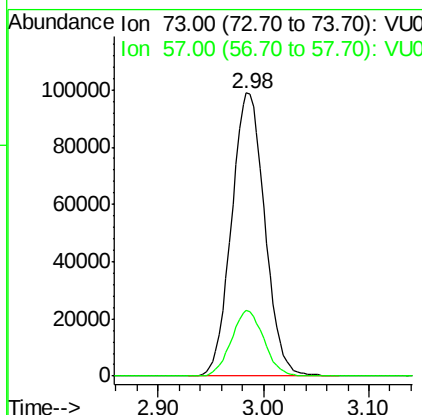
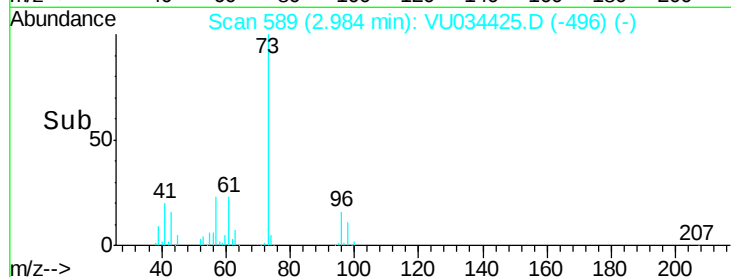
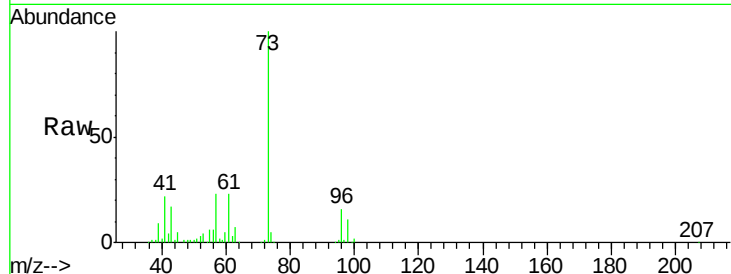
#19
Methvl tert-butvl Ether
Concen: 19.709 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion: 73 Resp: 216634
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.4

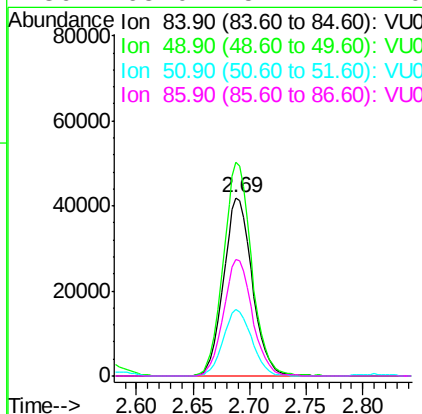
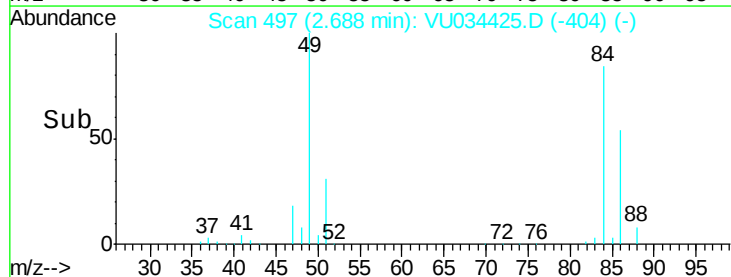
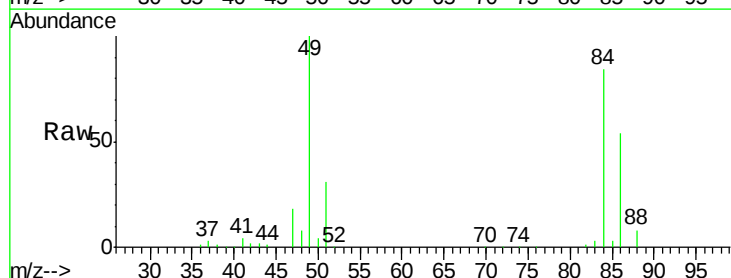
Manual Integrations
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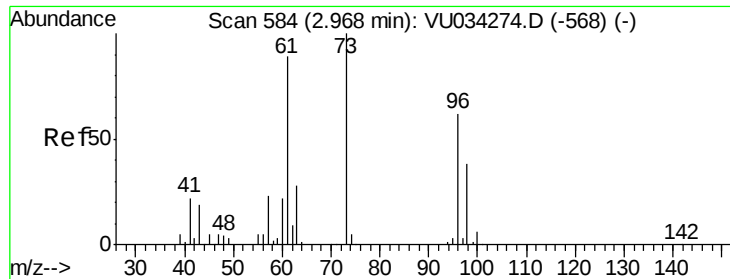
MMDadoda
9/10/2019 4:17:24 PM



#20
Methylene Chloride
Concen: 20.622 ug/l
RT: 2.69 min Scan# 497
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion: 84 Resp: 74137
Ion Ratio Lower Upper
84 100
49 119.8 96.0 144.0
51 37.2 30.0 45.0
86 65.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 18.781 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

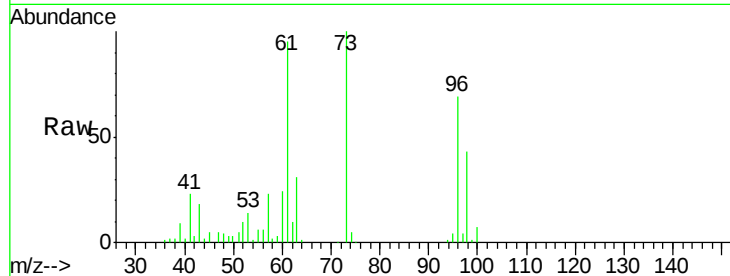
ClientSampleId :

VU0909WBS01

Tot Ion:	96	Resp:	59682
Ion	Ratio	Lower	Upper
96	100		
61	136.5	114.8	172.2
98	62.3	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
9/10/2019 4:17:24 PM

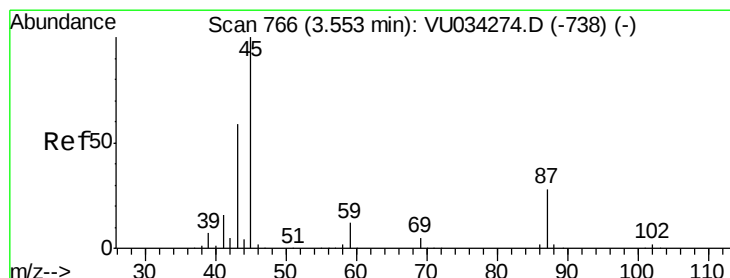
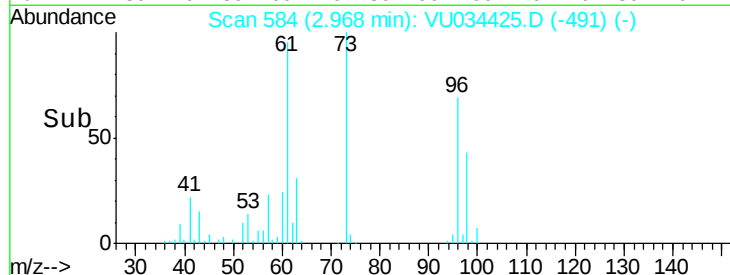
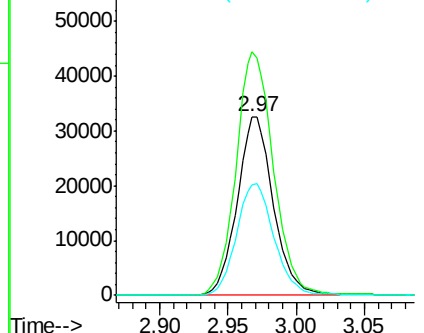


Abundance

Ion 95.90 (95.60 to 96.60): VU0

Ion 60.90 (60.60 to 61.60): VU0

Ion 97.90 (97.60 to 98.60): VU0



#22

Diisopropyl ether

Concen: 19.672 ug/l

RT: 3.55 min Scan# 766

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion:	45	Resp:	221178
Ion	Ratio	Lower	Upper
45	100		
43	68.3	47.5	71.3
87	29.4	22.2	33.4
59	12.5	9.4	14.2

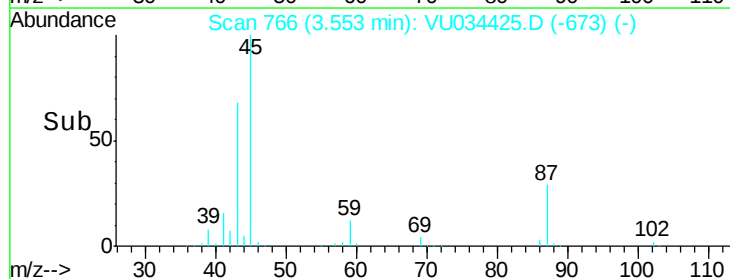
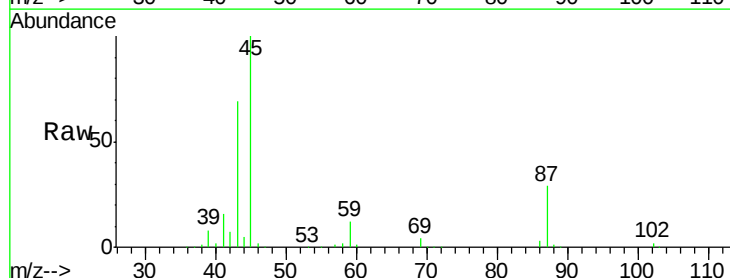
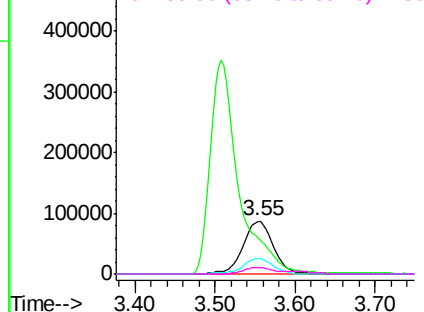
Abundance

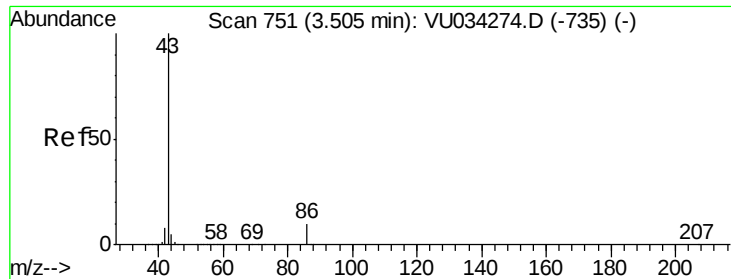
Ion 45.00 (44.70 to 45.70): VU0

Ion 43.00 (42.70 to 43.70): VU0

Ion 87.00 (86.70 to 87.70): VU0

Ion 59.00 (58.70 to 59.70): VU0





#23

Vinyl Acetate

Concen: 94.754 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 43 Resp: 867768

Ion Ratio Lower Upper

43 100

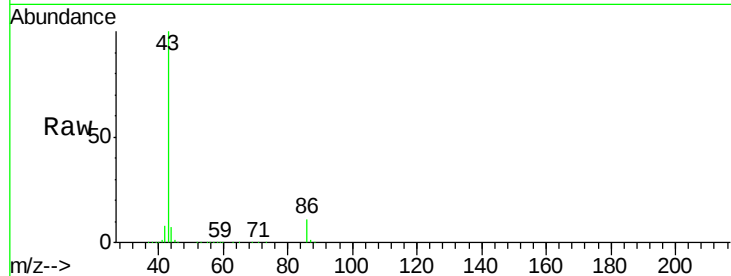
86 11.2 8.3 12.5

Manual Integrations

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MMDadoda

9/10/2019 4:17:24 PM



Abundance Ion 43.00 (42.70 to 43.70): VU034425.D (-658) (-)

Ion 86.00 (85.70 to 86.70): VU034425.D (-658) (-)

3.51

400000

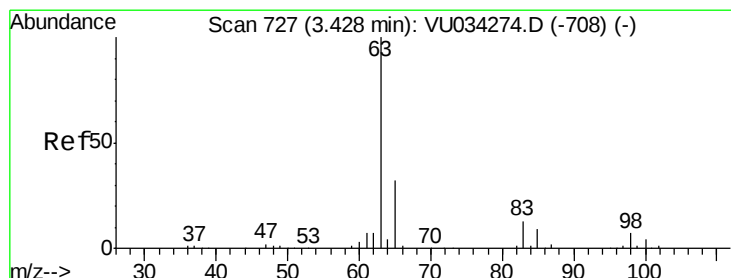
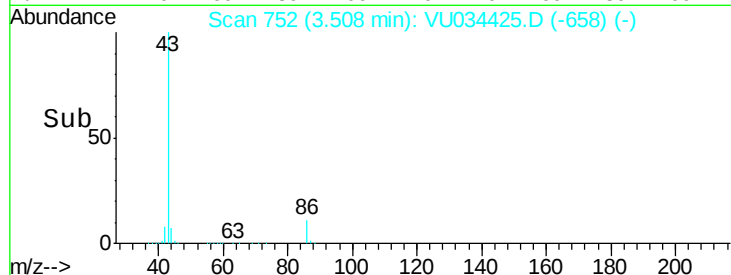
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.342 ug/l

RT: 3.43 min Scan# 727

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

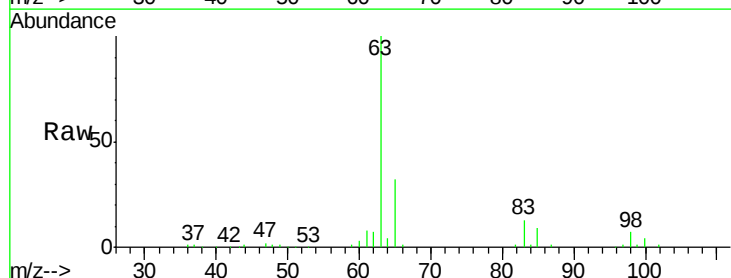
Tgt Ion: 63 Resp: 129869

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.4

100 4.5 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VU034425.D (-634) (-)

Ion 97.90 (97.60 to 98.60): VU034425.D (-634) (-)

Ion 99.90 (99.60 to 100.60): VU034425.D (-634) (-)

3.43

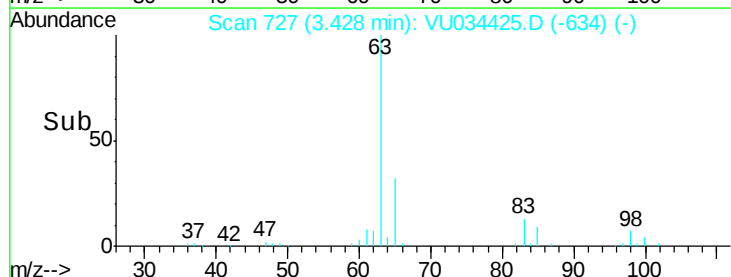
60000

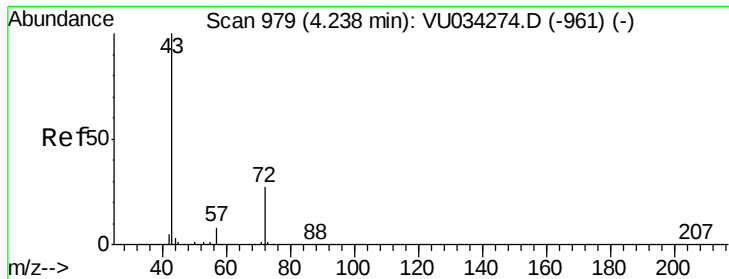
40000

20000

0

Time-->





#25

2-Butanone

Concen: 94.493 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 43 Resp: 273737

Ion Ratio Lower Upper

43 100

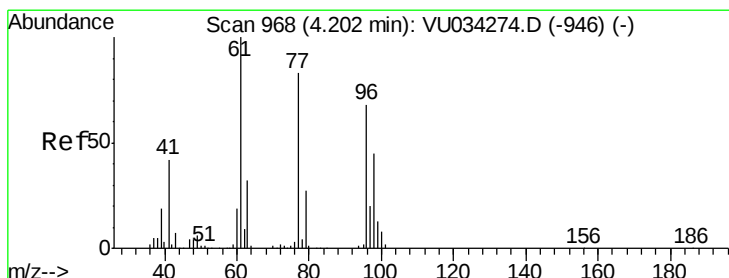
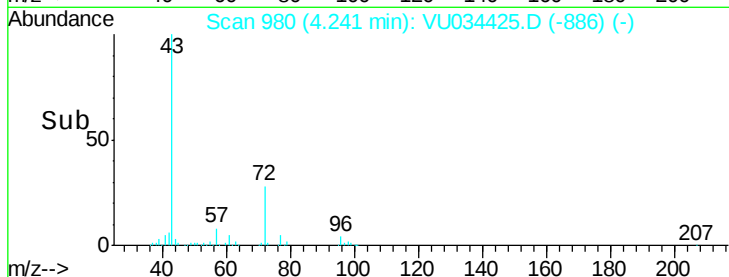
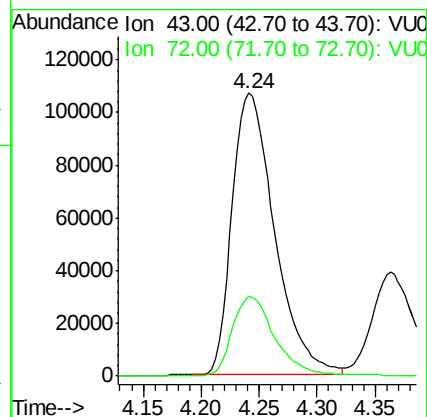
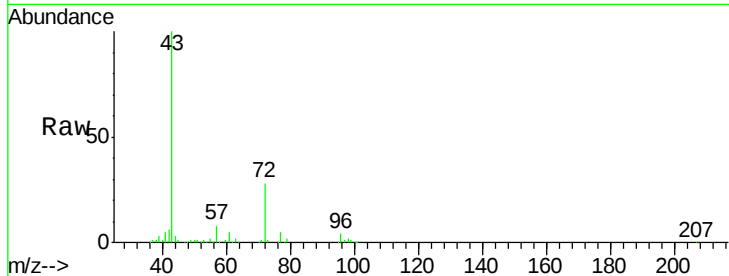
72 28.0 21.8 32.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.982 ug/l

RT: 4.21 min Scan# 969

Delta R.T. 0.00 min

Lab File: VU034425.D

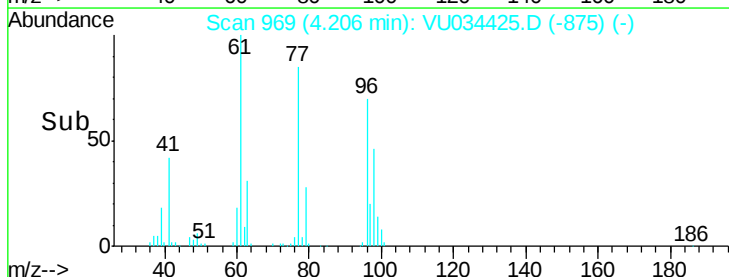
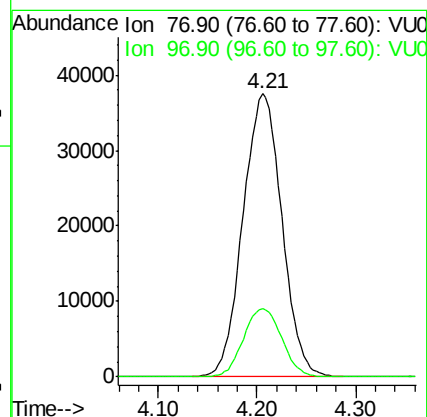
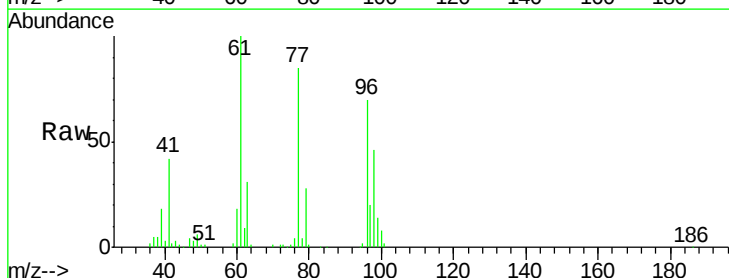
Acq: 09 Sep 2019 12:03

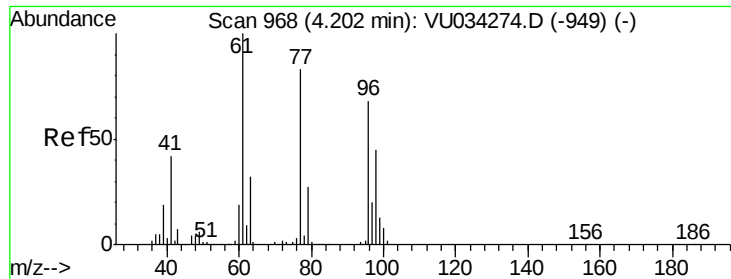
Tgt Ion: 77 Resp: 102504

Ion Ratio Lower Upper

77 100

97 23.7 11.8 35.3





#27

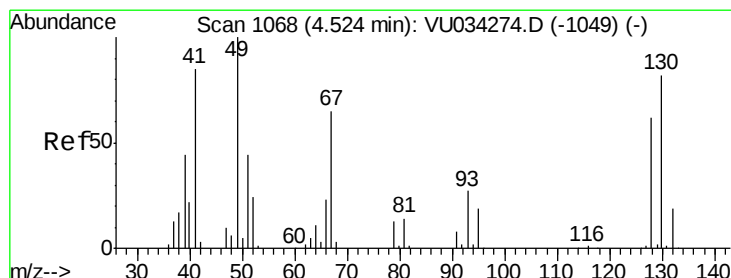
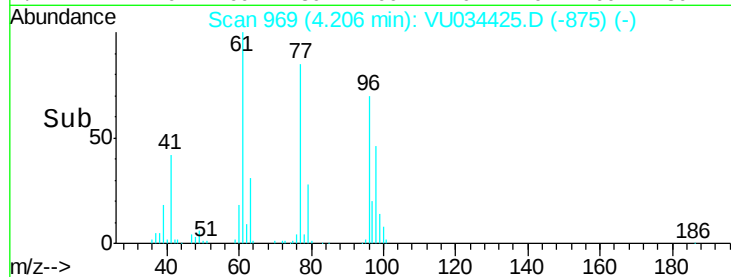
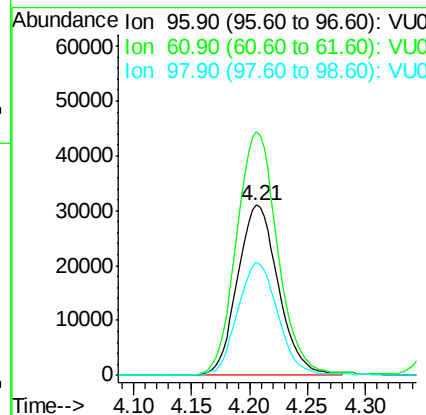
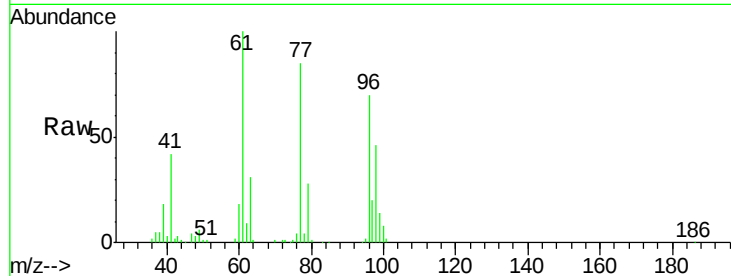
cis-1,2-Dichloroethene
Concen: 19.733 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.5	0.0	297.4
98	65.2	0.0	130.0

Manual Integrations
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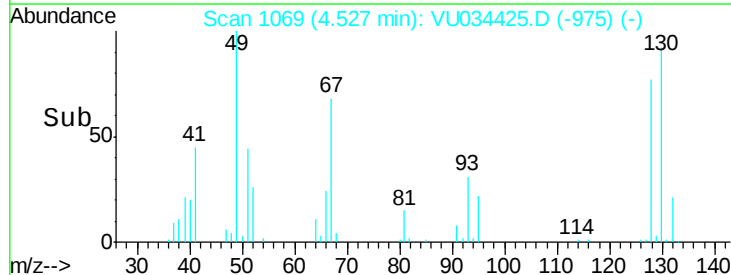
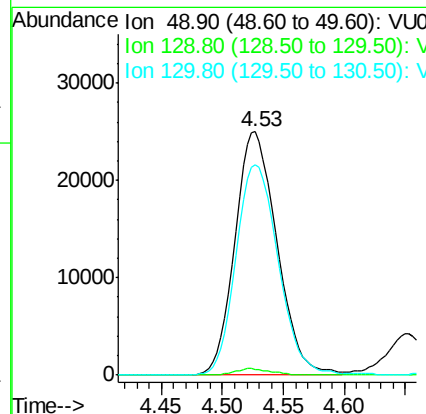
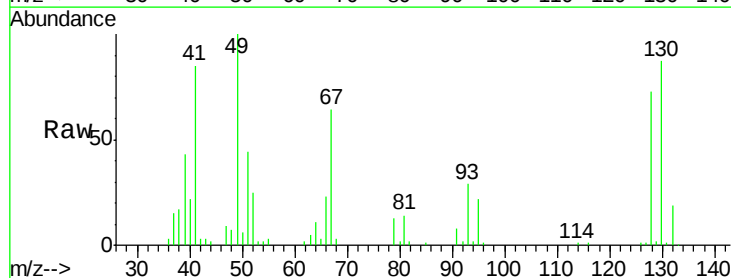
MMDadoda
9/10/2019 4:17:24 PM

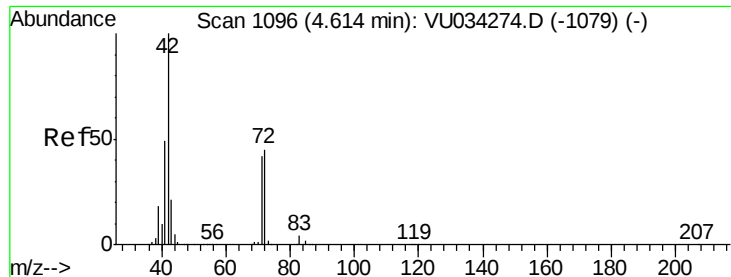


#28

Bromochloromethane
Concen: 19.395 ug/l
RT: 4.53 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.8
130	87.2	65.2	97.8





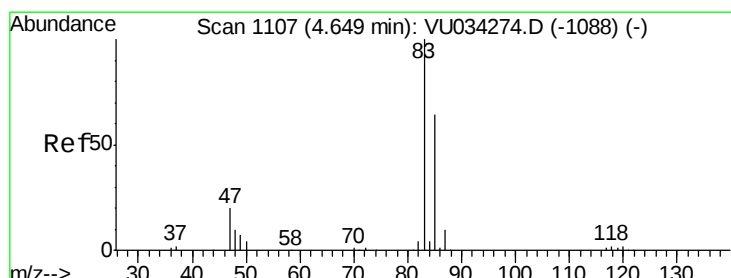
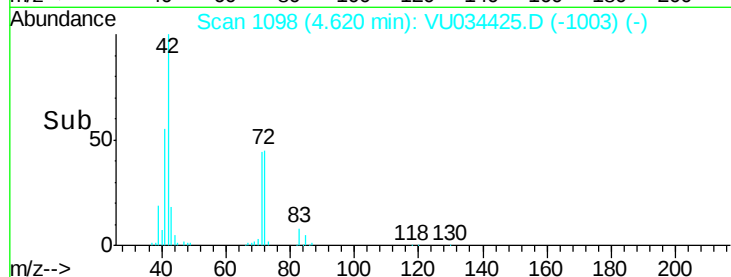
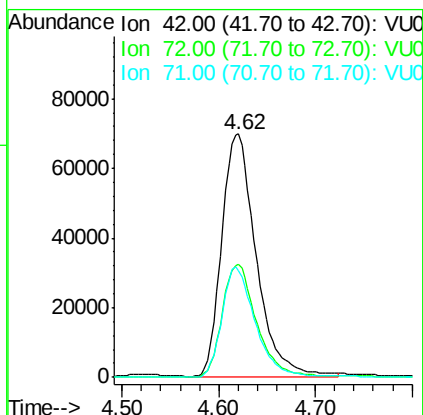
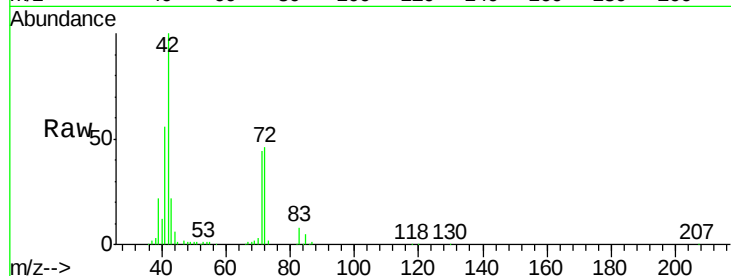
#29
Tetrahydrofuran
Concen: 97.776 ug/l
RT: 4.62 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.3	36.6	54.8
71	43.8	34.3	51.5

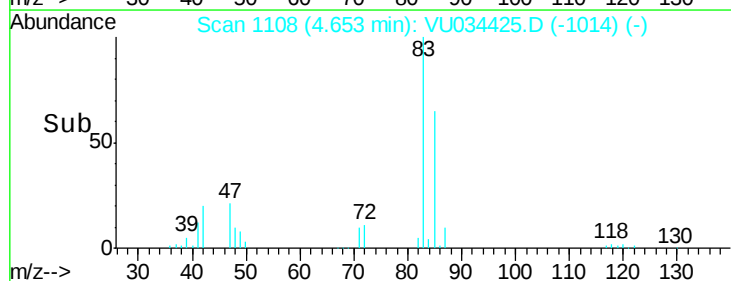
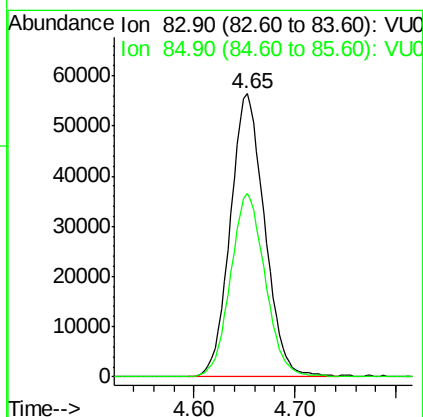
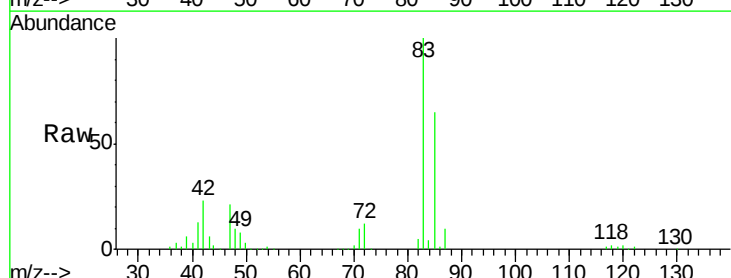
Manual Integrations
APPROVED

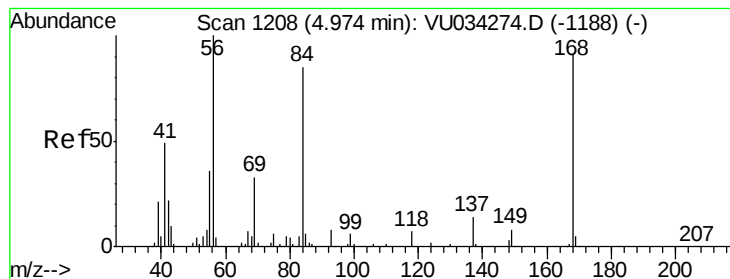
MMDadoda
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#30
Chloroform
Concen: 19.561 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.5	77.3





#31

Cyclohexane

Concen: 18.248 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 56 Resp: 89636

Ion Ratio Lower Upper

56 100

69 35.8 26.7 40.1

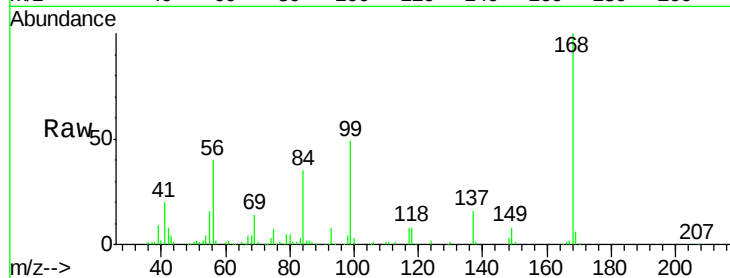
84 86.8 68.2 102.4

Manual Integrations

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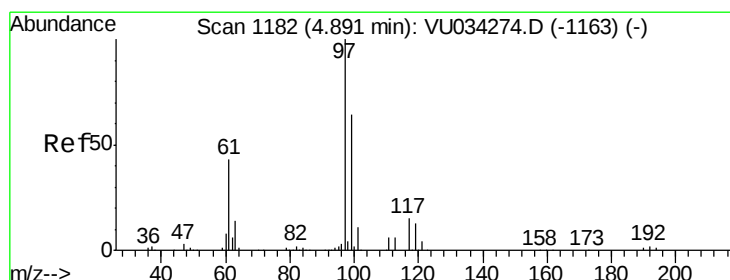
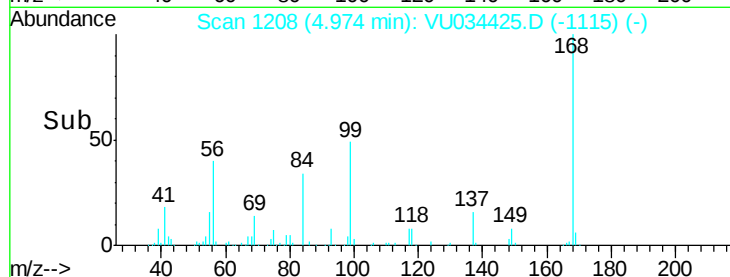
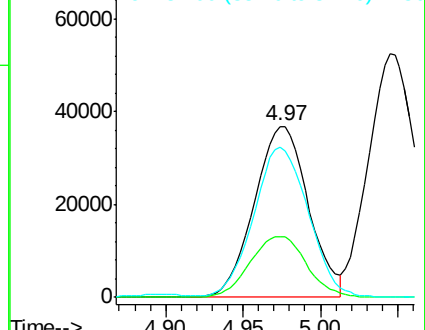
9/10/2019 4:17:24 PM



Abundance Ion 56.00 (55.70 to 56.70): VU034425.D (-1188) (-)

Ion 69.00 (68.70 to 69.70): VU034425.D (-1188) (-)

Ion 84.00 (83.70 to 84.70): VU034425.D (-1188) (-)



#32

1,1,1-Trichloroethane

Concen: 19.931 ug/l

RT: 4.89 min Scan# 1183

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

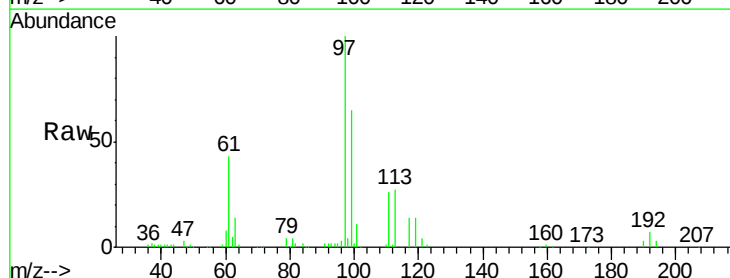
Tgt Ion: 97 Resp: 108753

Ion Ratio Lower Upper

97 100

99 63.8 50.9 76.3

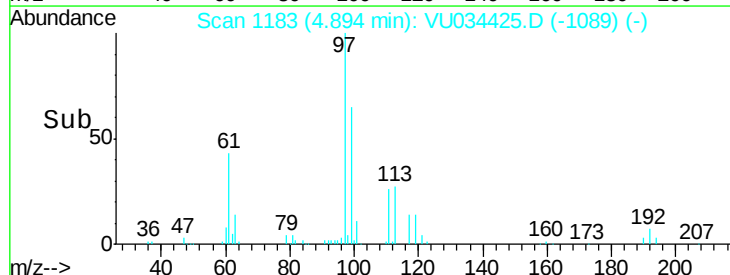
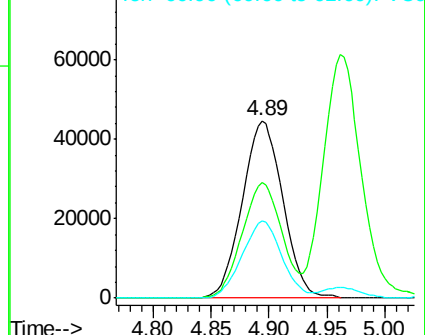
61 42.6 34.7 52.1

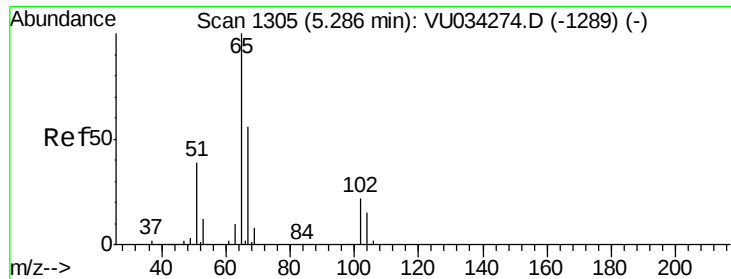


Abundance Ion 96.90 (96.60 to 97.60): VU034425.D (-1089) (-)

Ion 98.90 (98.60 to 99.60): VU034425.D (-1089) (-)

Ion 60.90 (60.60 to 61.60): VU034425.D (-1089) (-)





#33

1,2-Dichloroethane-d4

Concen: 49.564 ug/l

RT: 5.29 min Scan# 1305

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 65 Resp: 207854

Ion Ratio Lower Upper

65 100

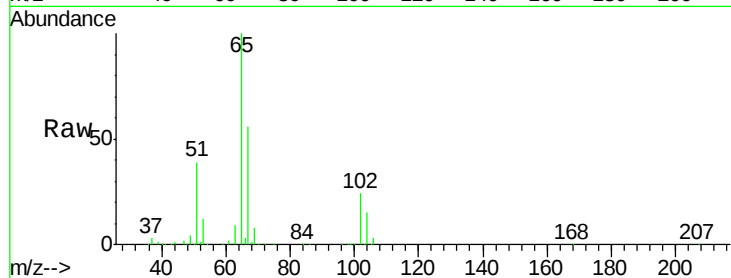
67 55.7 0.0 112.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VU034425.D (-1212) (-)

Ion 66.90 (66.60 to 67.60): VU034425.D (-1212) (-)

5.29

100000

80000

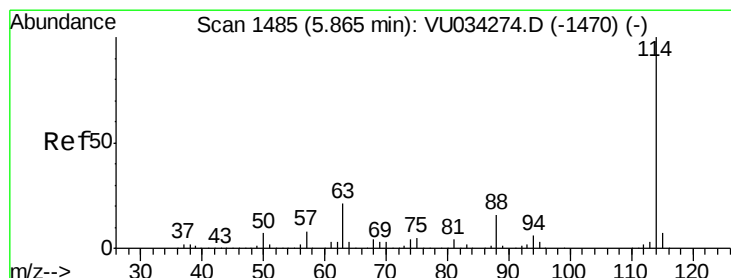
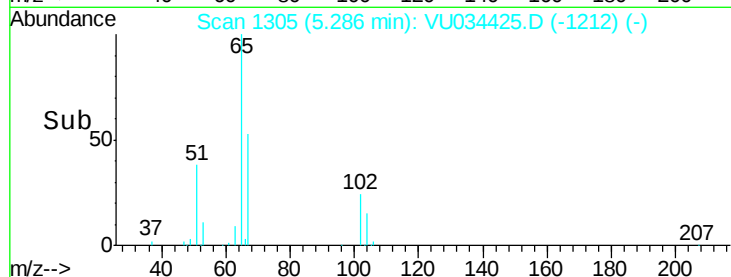
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.87 min Scan# 1486

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

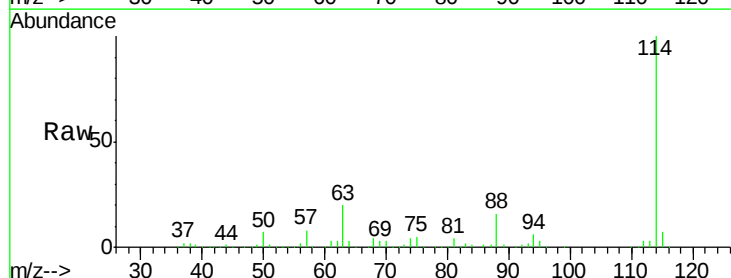
Tgt Ion: 114 Resp: 395162

Ion Ratio Lower Upper

114 100

63 19.7 0.0 42.4

88 16.0 0.0 32.4



Abundance Ion 113.90 (113.60 to 114.60): VU034425.D (-1392) (-)

Ion 63.00 (62.70 to 63.70): VU034425.D (-1392) (-)

Ion 87.90 (87.60 to 88.60): VU034425.D (-1392) (-)

250000

200000

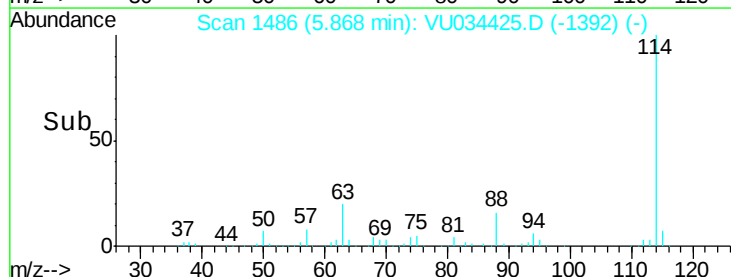
150000

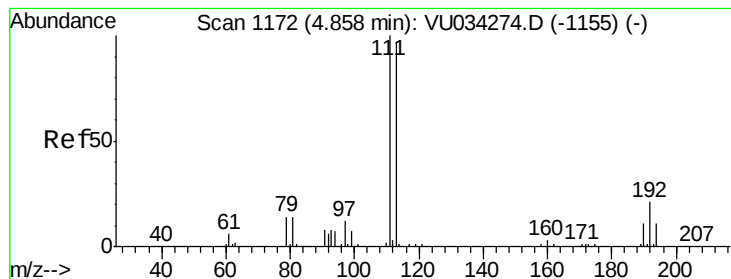
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 51.428 ug/l

RT: 4.86 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

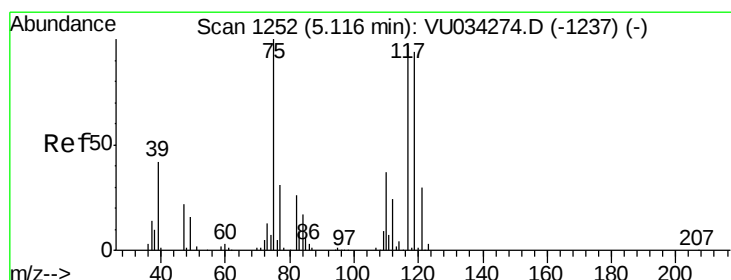
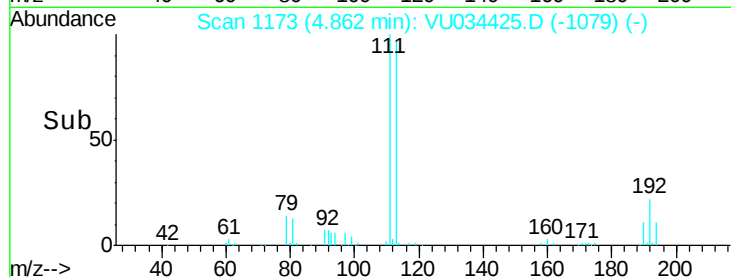
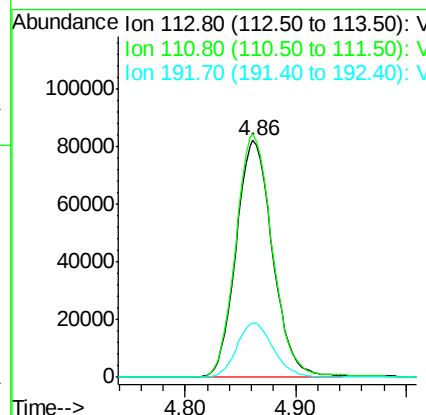
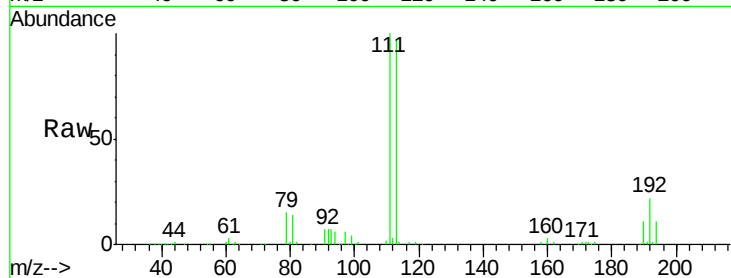
ClientSampleId :

VU0909WBS01

Tot Ion:	113	Resp:	189101
Ion Ratio	Lower	Upper	
113	100		
111	103.7	81.5	122.3
192	22.8	17.8	26.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 18.813 ug/l

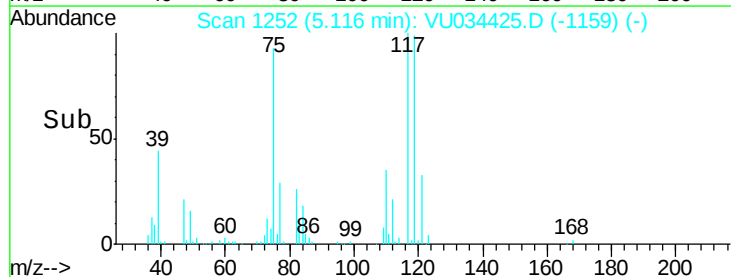
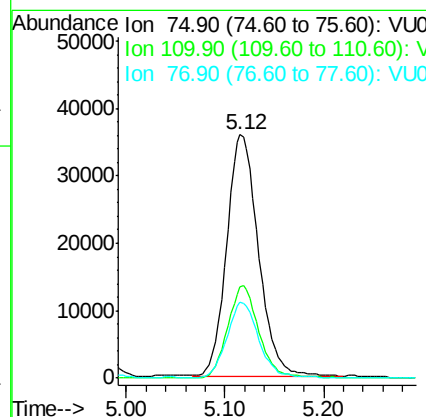
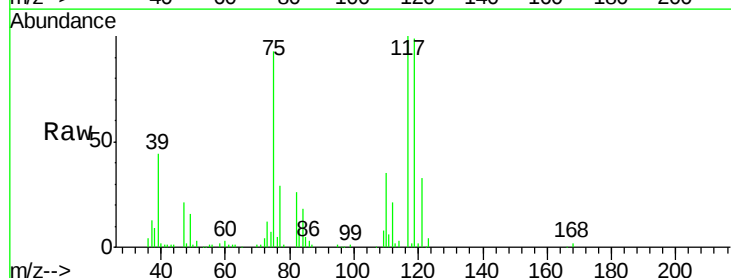
RT: 5.12 min Scan# 1252

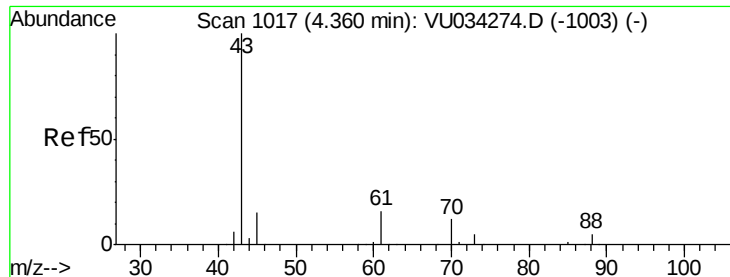
Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion:	75	Resp:	80624
Ion Ratio	Lower	Upper	
75	100		
110	37.7	18.3	54.9
77	31.4	24.9	37.3





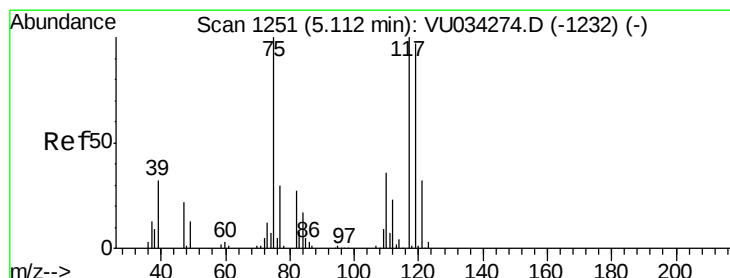
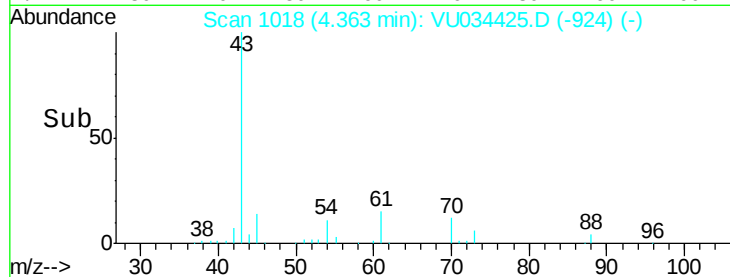
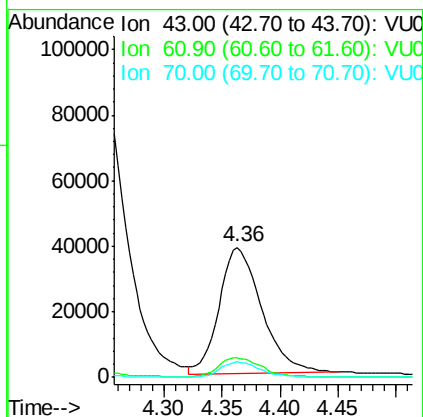
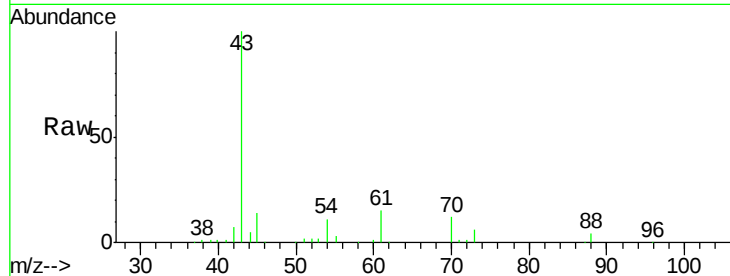
#37
Ethyl Acetate
Concen: 19.406 ug/l
RT: 4.36 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.3	18.5
70	11.8	9.1	13.7

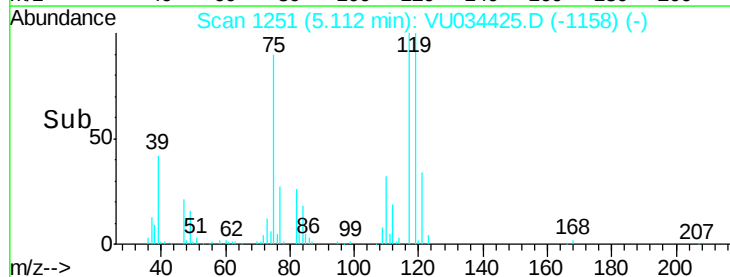
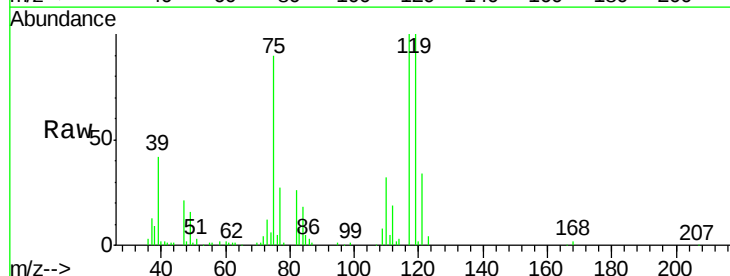
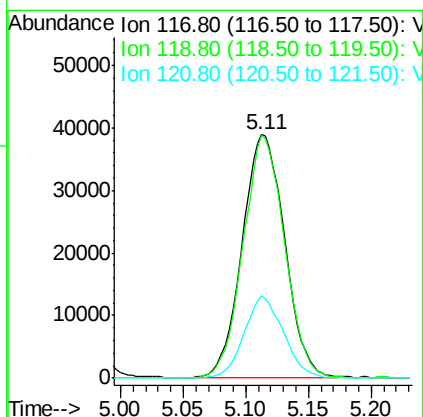
Manual Integrations
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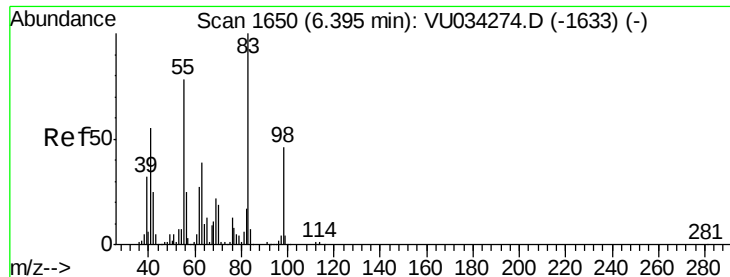
MMDadoda
9/10/2019 4:17:24 PM



#38
Carbon Tetrachloride
Concen: 20.098 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	77.8	116.6
121	33.6	25.2	37.8





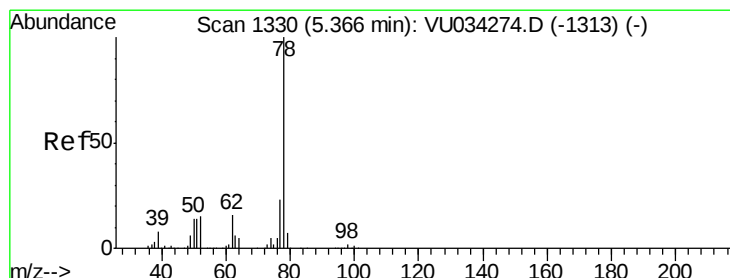
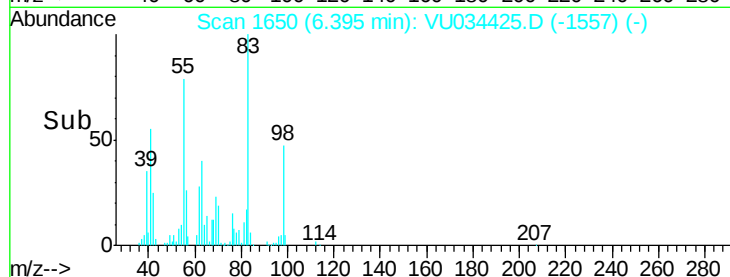
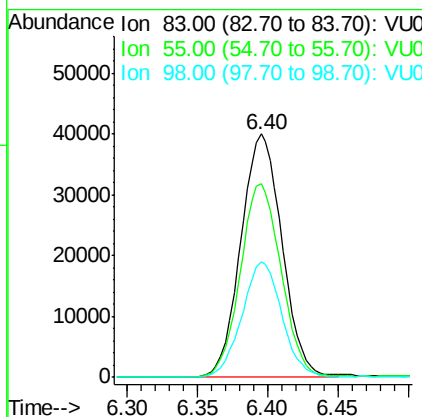
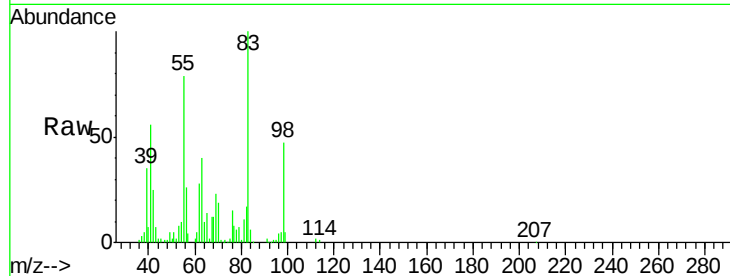
#39
Methvlcvclohexane
Concen: 17.870 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	62.1	93.1
98	47.4	37.0	55.6

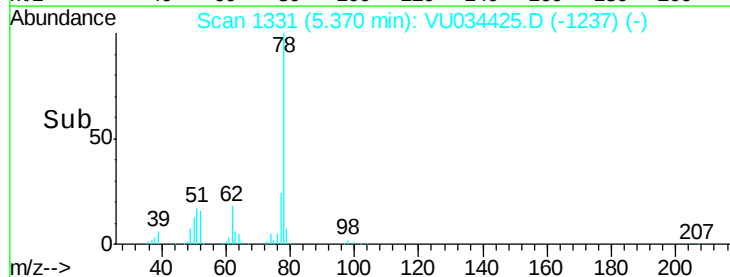
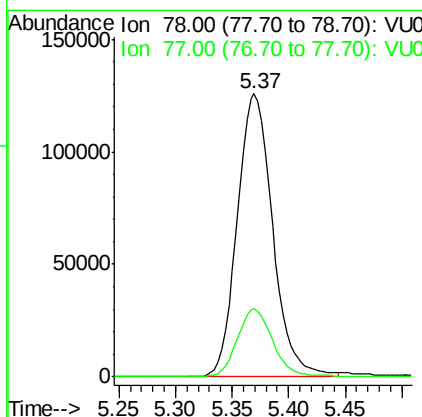
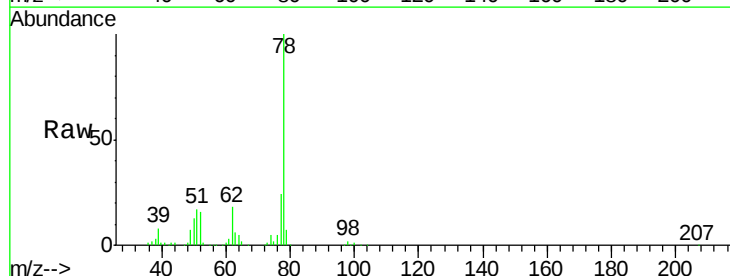
Manual Integrations
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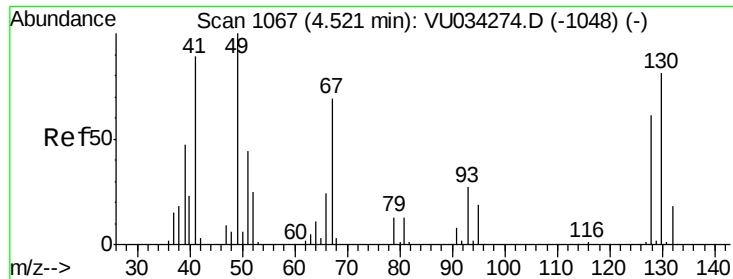
MMDadoda
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#40
Benzene
Concen: 19.881 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.7	28.1





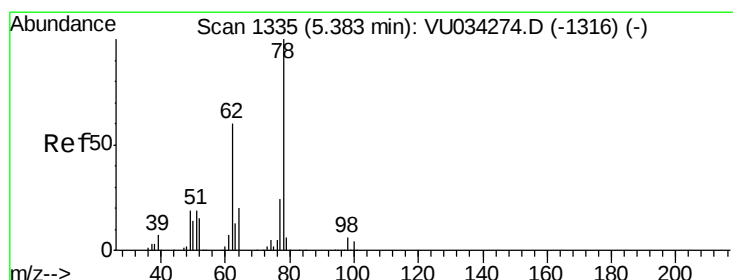
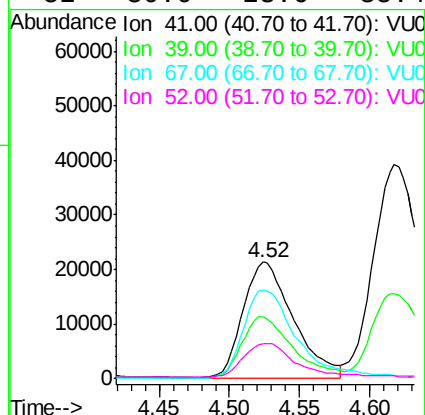
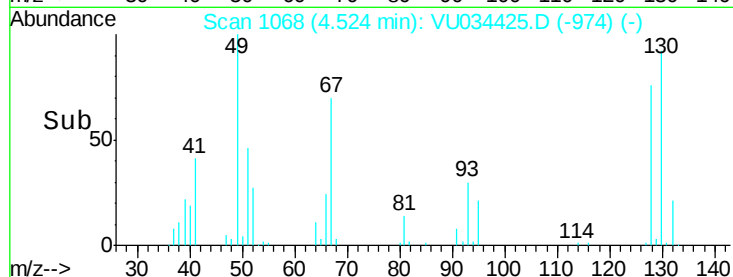
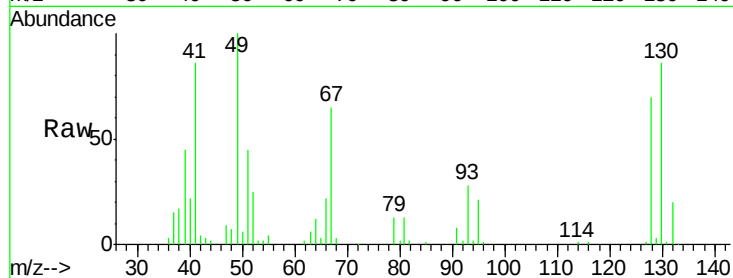
#41
Methacrylonitrile
Concen: 19.804 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	53.9	41.0	61.4		
67	81.4	62.4	93.6		
52	30.0	23.6	35.4		

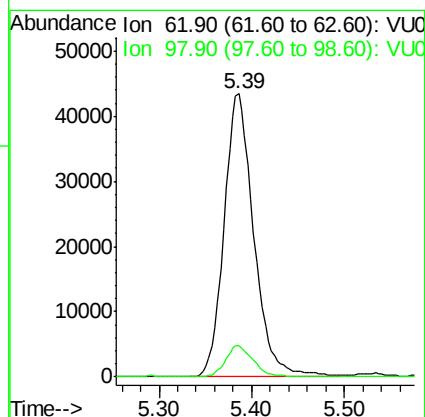
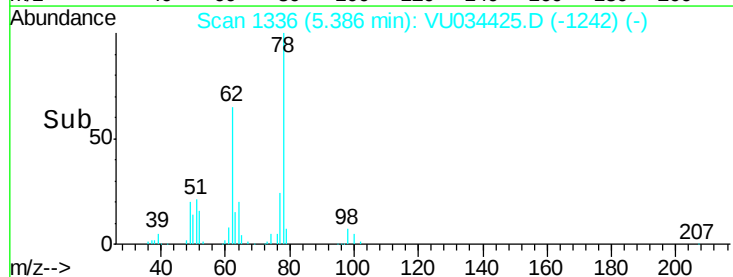
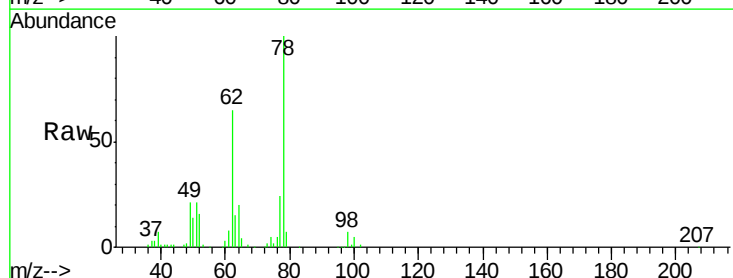
Manual Integrations
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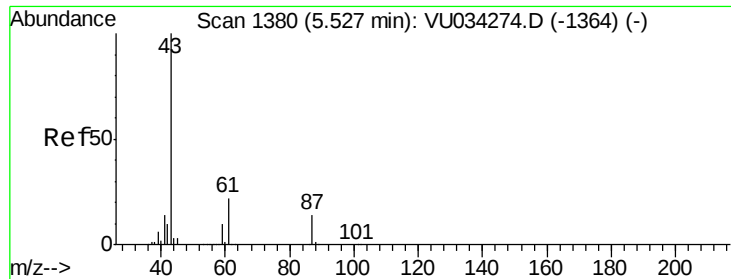
MMDadoda
9/10/2019 4:17:24 PM



#42
1,2-Dichloroethane
Concen: 20.095 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.3	0.0	20.0		





#43

Isopropyl Acetate

Concen: 18.940 ug/l

RT: 5.53 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

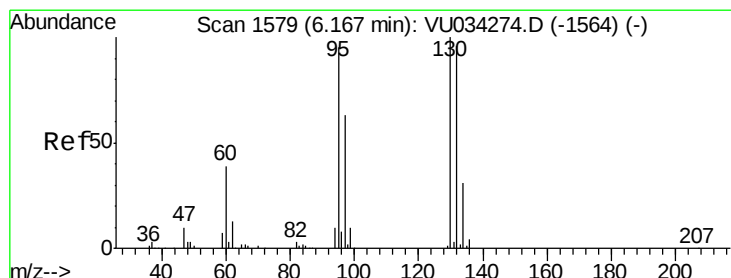
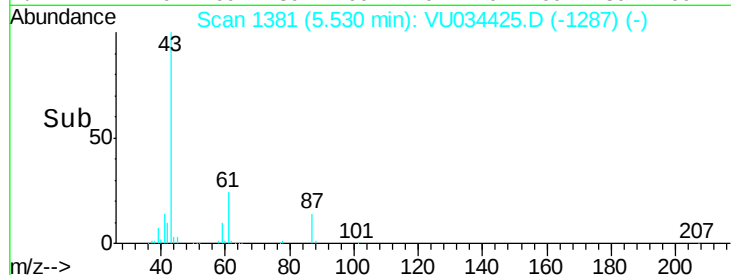
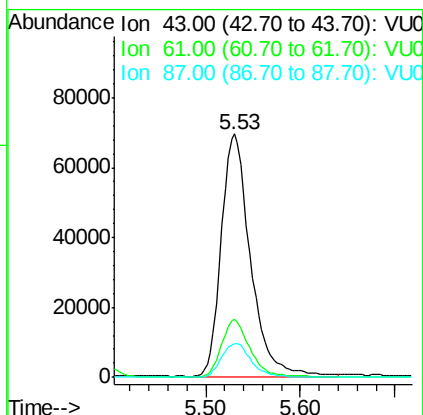
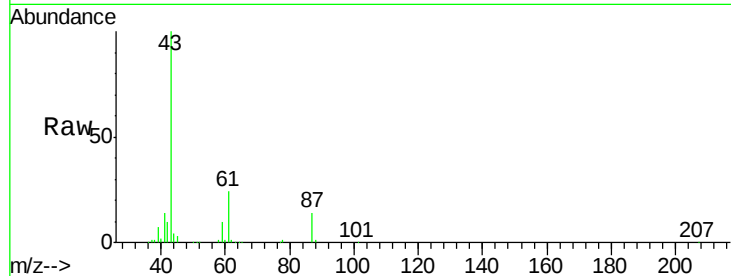
ClientSampleId :

VU0909WBS01

Tot Ion:	43	Resp:	149707
Ion	Ratio	Lower	Upper
43	100		
61	23.3	17.1	25.7
87	14.3	11.1	16.7

Manual Integrations
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#44

Trichloroethene

Concen: 20.175 ug/l

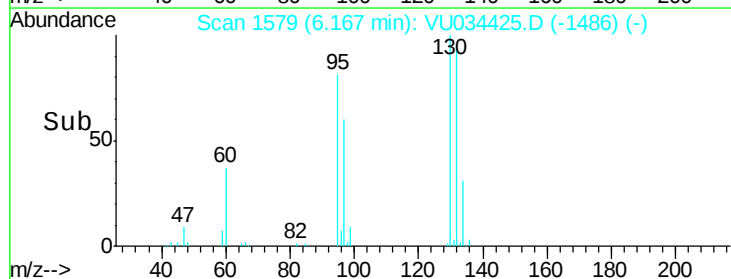
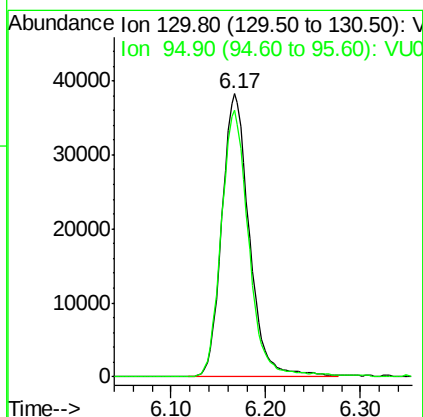
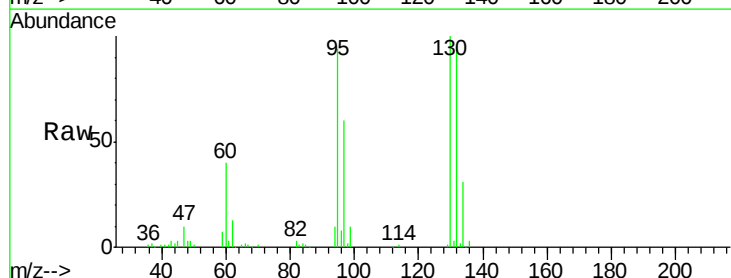
RT: 6.17 min Scan# 1579

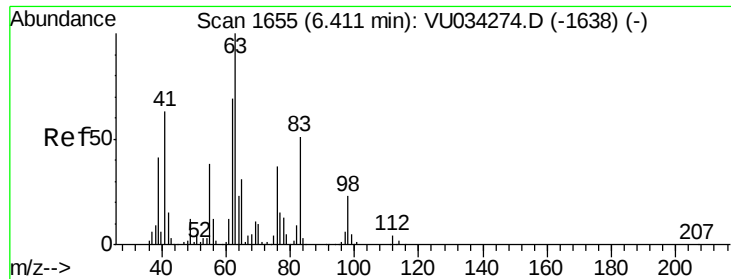
Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion:	130	Resp:	77201
Ion	Ratio	Lower	Upper
130	100		
95	94.1	0.0	189.2





#45

1,2-Dichloropropane

Concen: 20.060 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 63 Resp: 81094

Ion Ratio Lower Upper

63 100

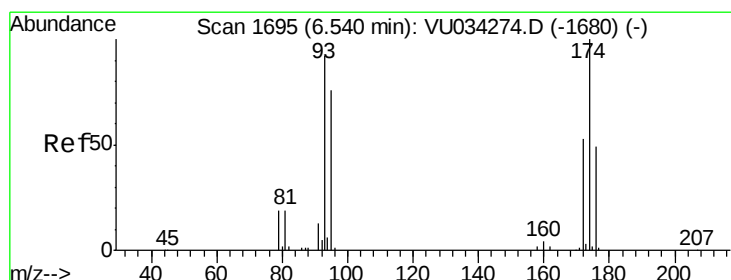
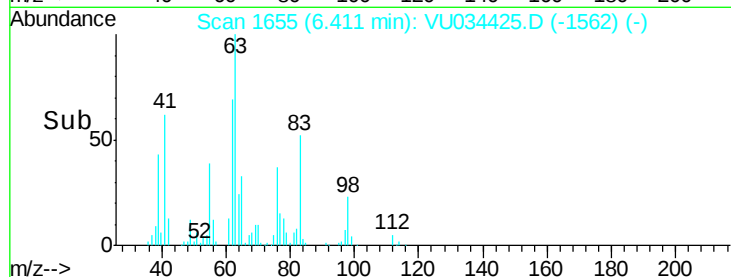
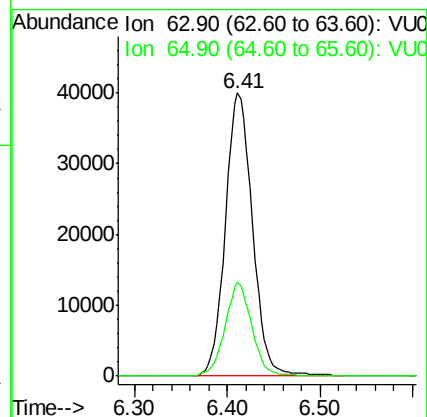
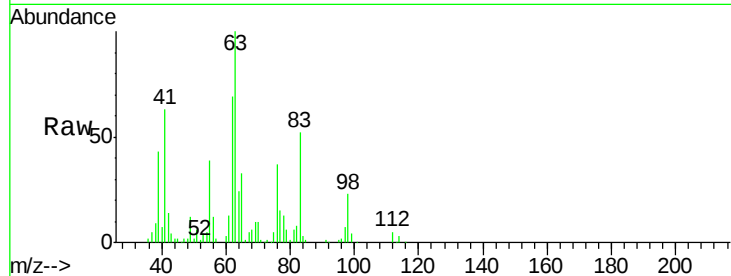
65 33.1 24.6 37.0

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#46

Dibromomethane

Concen: 20.624 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

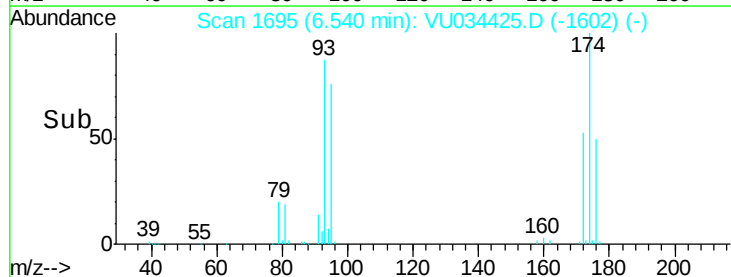
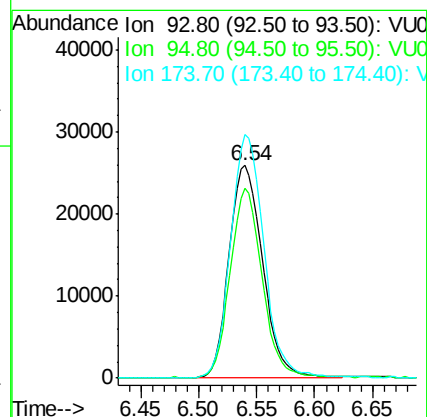
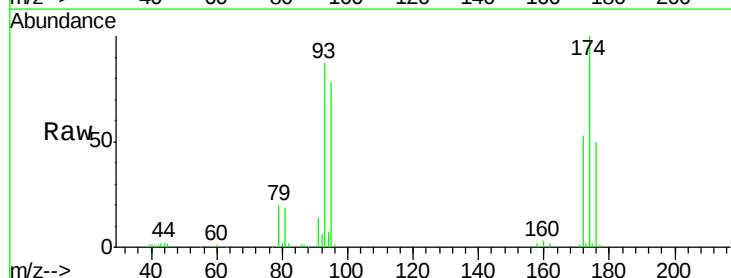
Tgt Ion: 93 Resp: 52336

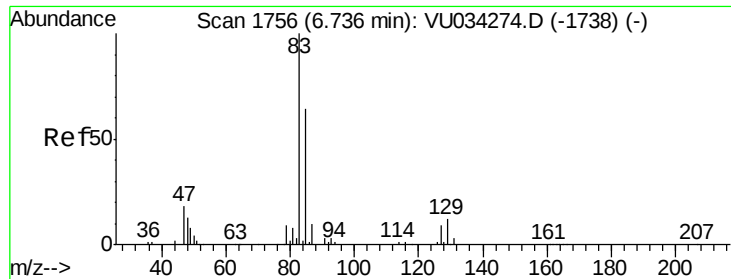
Ion Ratio Lower Upper

93 100

95 84.5 66.5 99.7

174 112.5 87.8 131.6





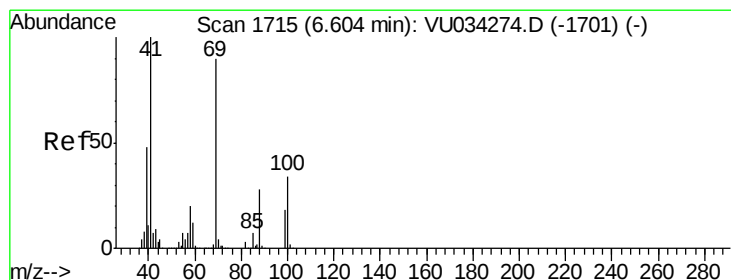
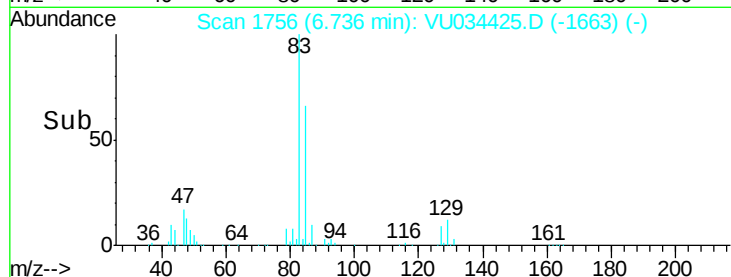
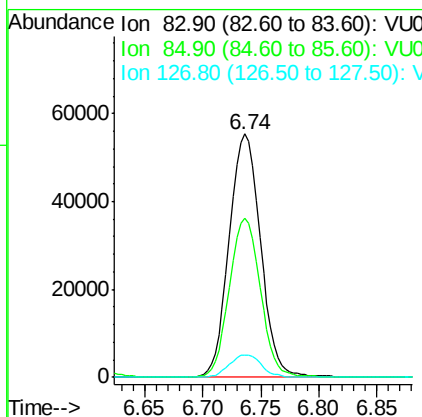
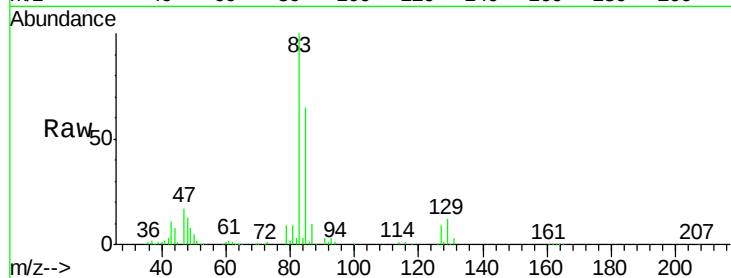
#47
Bromodichloromethane
Concen: 19.966 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.4	51.1	76.7	
127	9.2	7.2	10.8	

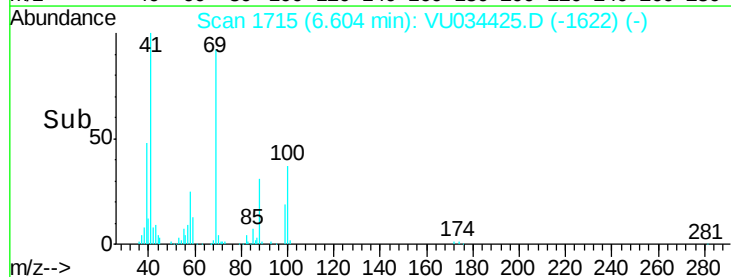
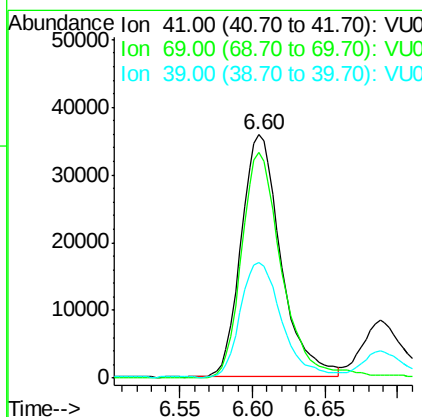
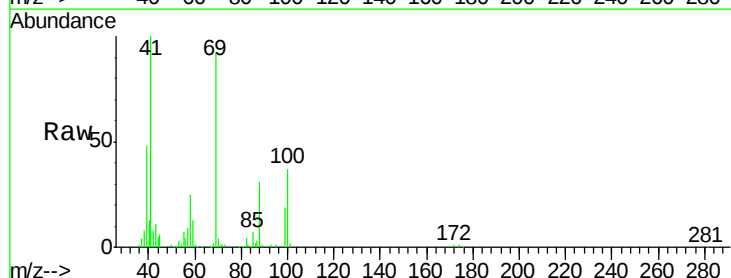
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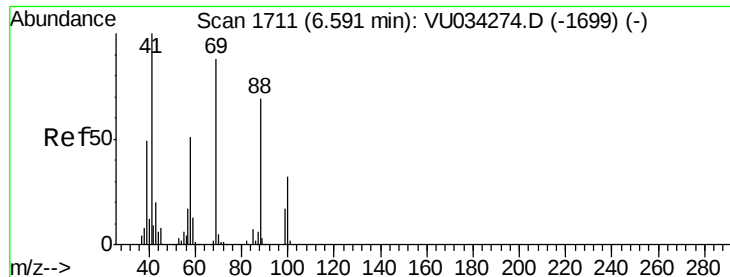
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#48
Methyl methacrylate
Concen: 18.236 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	94.2	72.8	109.2	
39	49.1	38.6	58.0	





#49

1,4-Dioxane

Concen: 385.732 ug/l

RT: 6.59 min Scan# 1712

Delta R.T. 0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

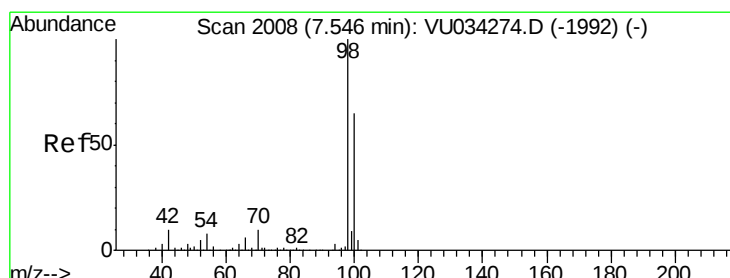
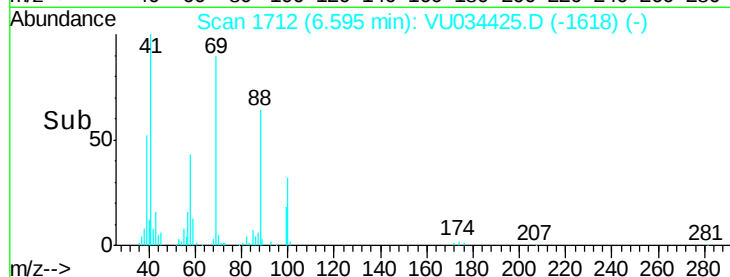
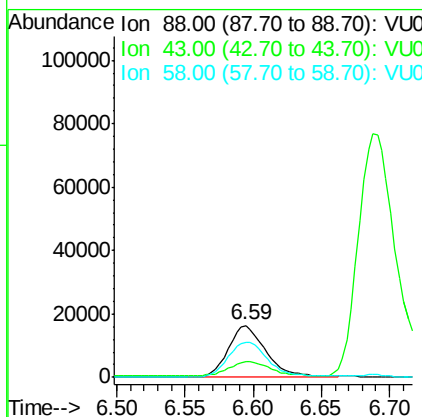
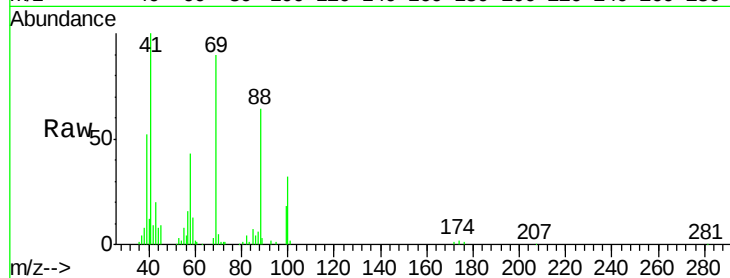
ClientSampleId :

VU0909WBS01

Tot Ion:	88	Resp:	31622
Ion	Ratio	Lower	Upper
88	100		
43	31.6	23.8	35.6
58	71.8	58.4	87.6

Manual Integrations
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#50

Toluene-d8

Concen: 52.775 ug/l

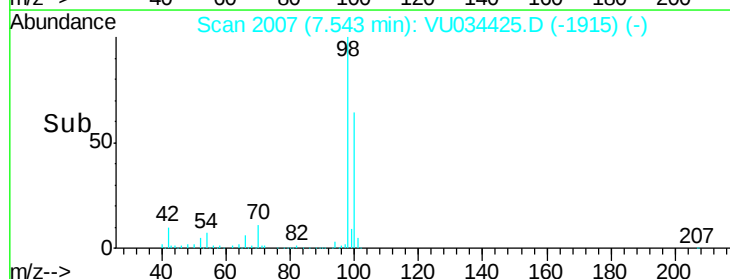
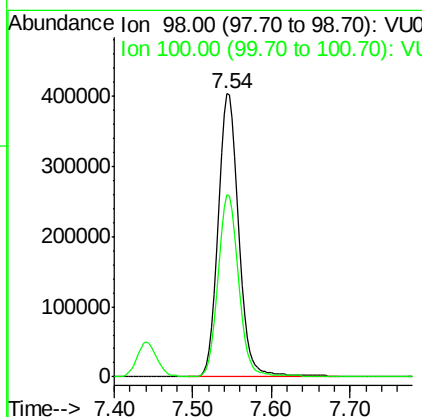
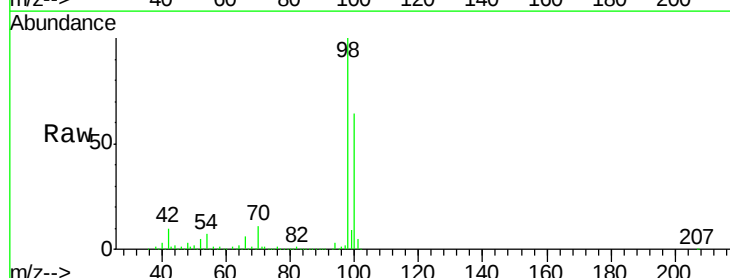
RT: 7.54 min Scan# 2007

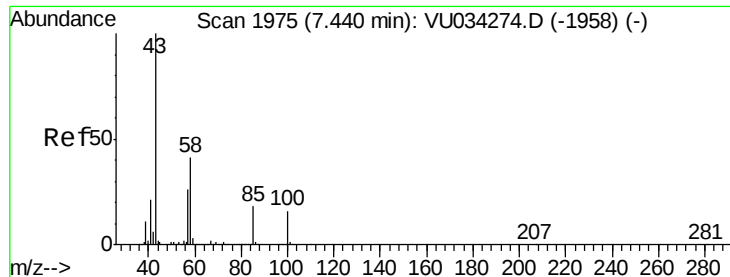
Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion:	98	Resp:	729068
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5





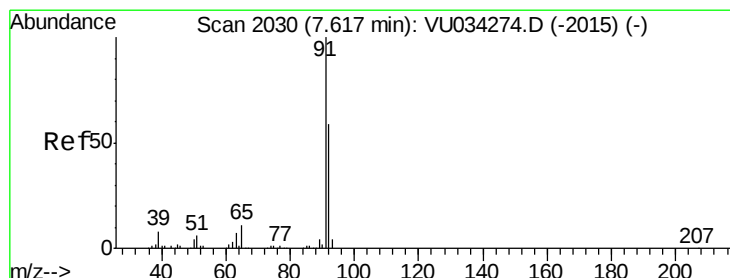
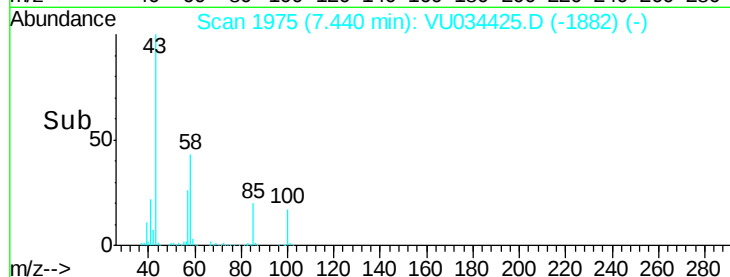
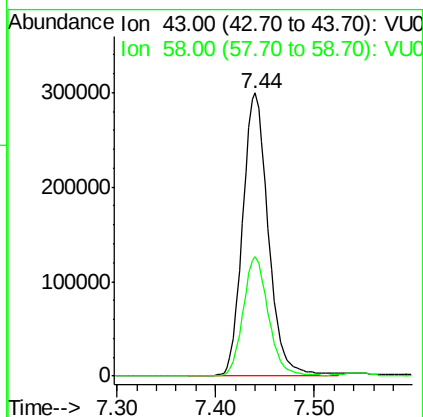
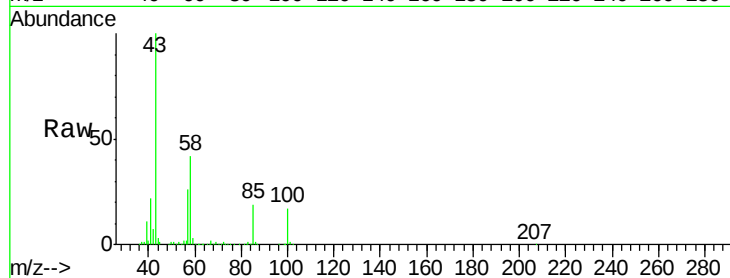
#51
 4-Methyl-2-Pentanone
 Concen: 97.750 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.6	33.0	49.4

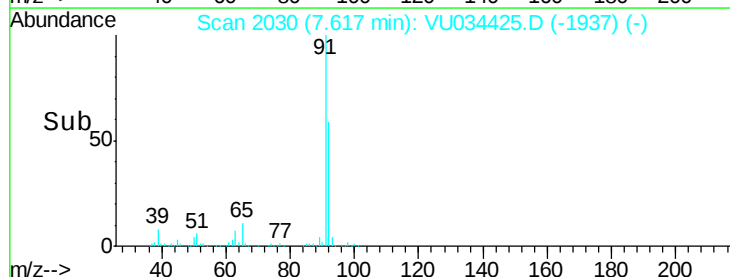
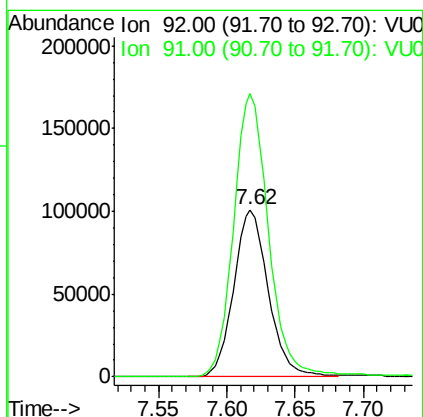
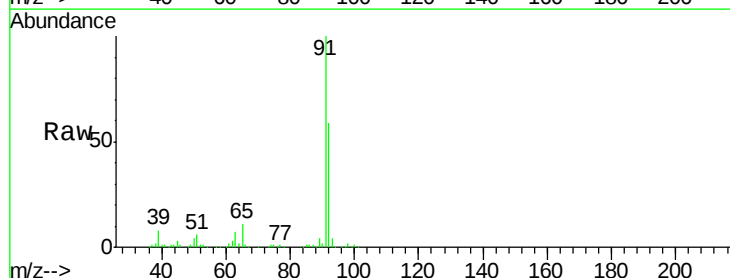
Manual Integrations
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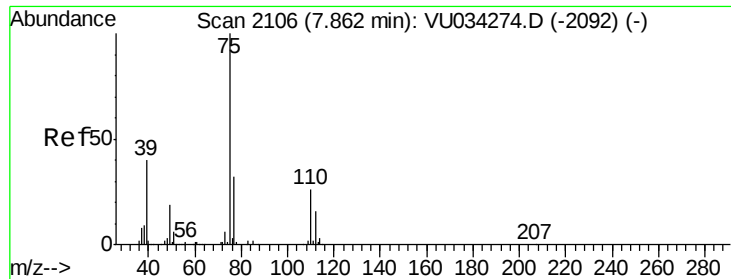
MMDadoda
 9/10/2019 4:17:24 PM



#52
 Toluene
 Concen: 20.478 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.4	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 19.064 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 75 Resp: 103226

Ion Ratio Lower Upper

75 100

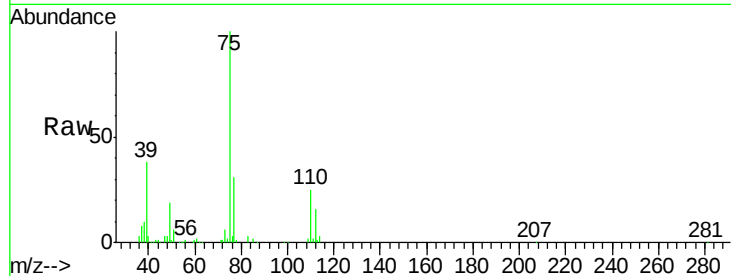
77 31.3 25.7 38.5

Manual Integrations

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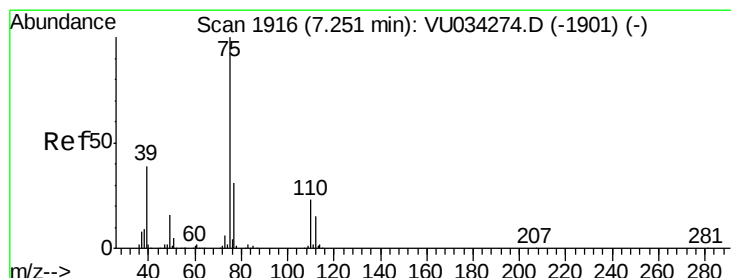
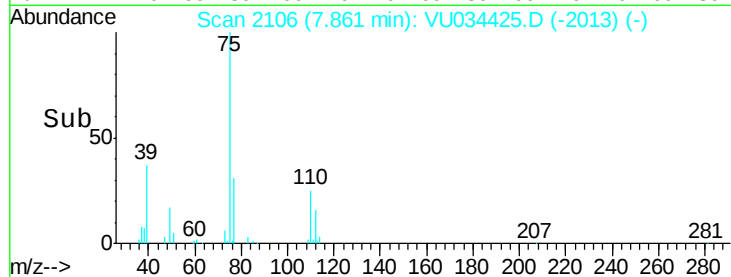
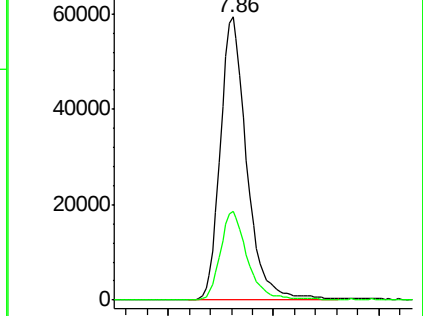
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 19.689 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

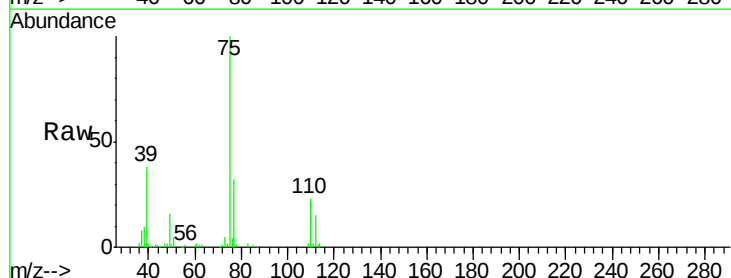
Tgt Ion: 75 Resp: 117006

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

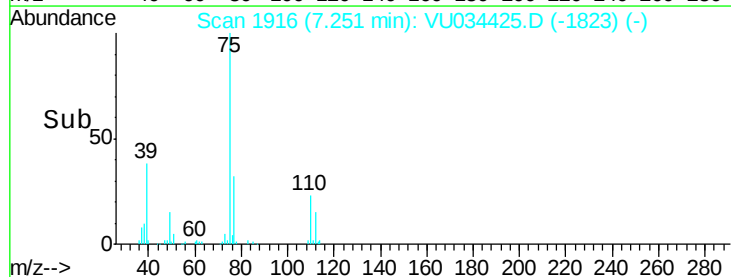
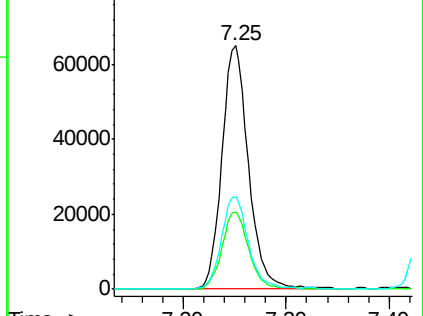
39 38.2 31.2 46.8

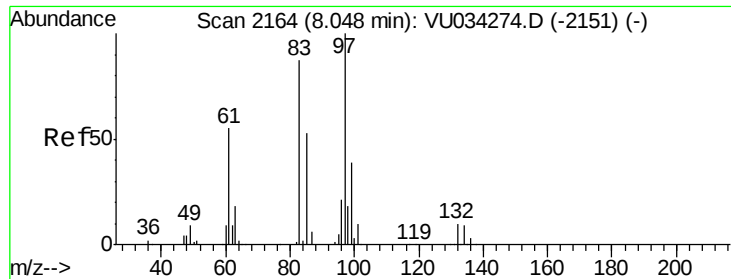


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





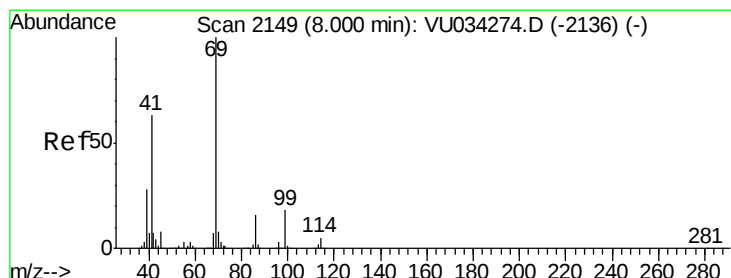
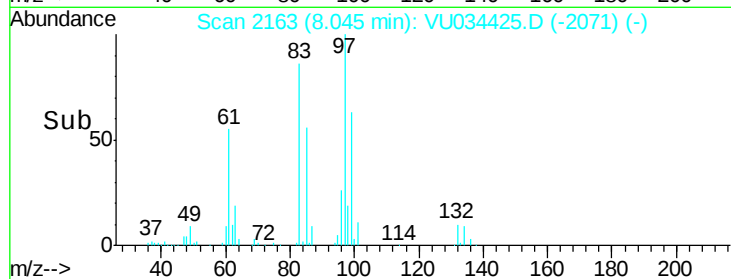
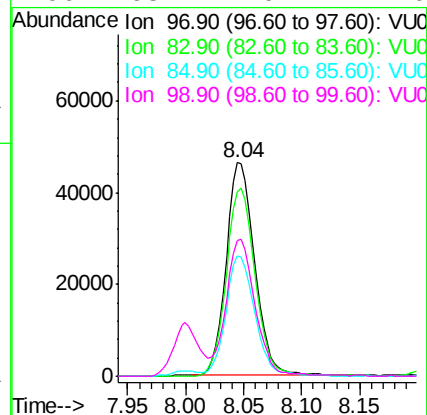
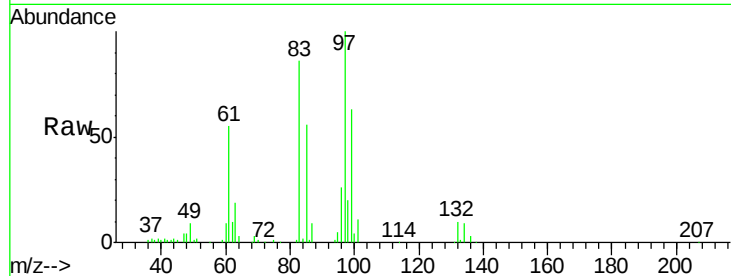
#55
 1,1,2-Trichloroethane
 Concen: 20.048 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion	97	Resp	78969
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.0	103.6
85	56.6	44.2	66.2
99	63.1	49.4	74.0

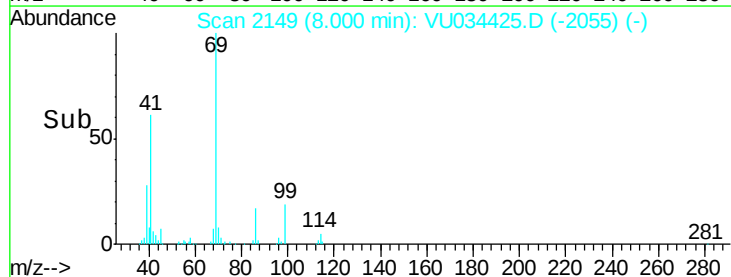
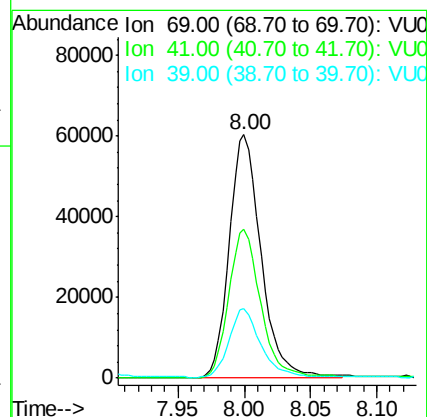
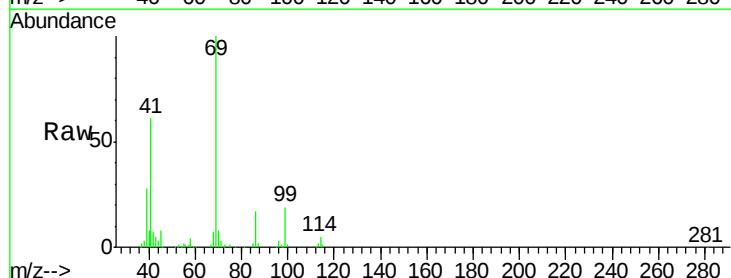
Manual Integrations
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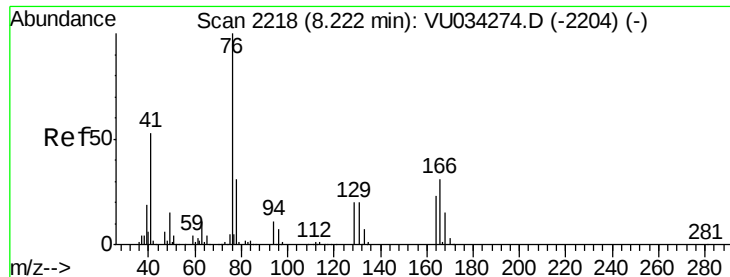
MMDadoda
 9/10/2019 4:17:24 PM



#56
 Ethyl methacrylate
 Concen: 18.922 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion	69	Resp	101043
Ion	Ratio	Lower	Upper
69	100		
41	60.4	49.5	74.3
39	27.9	22.5	33.7





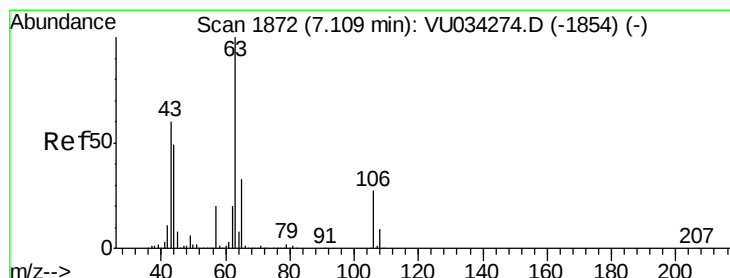
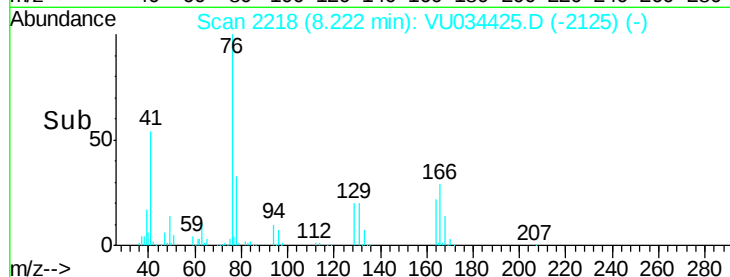
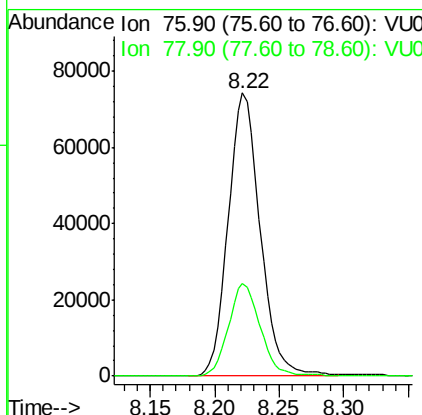
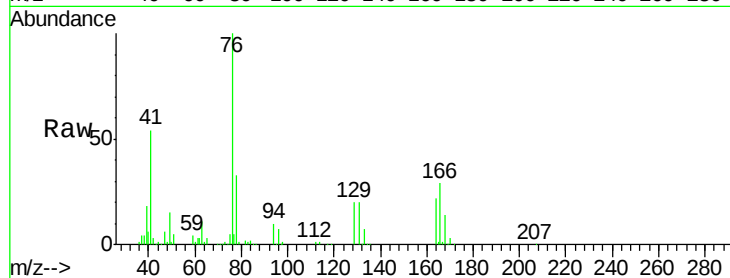
#57
 1,3-Dichloropropane
 Concen: 19.971 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.4	38.2

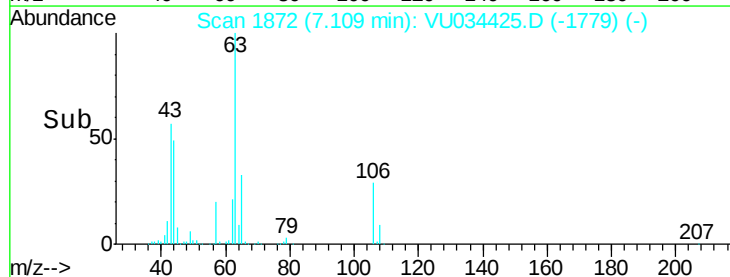
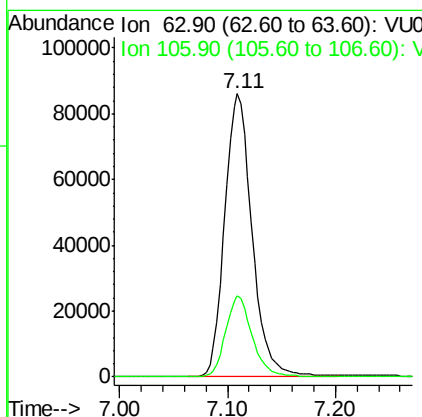
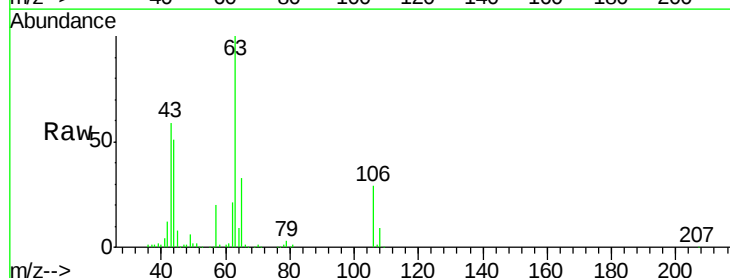
Manual Integrations
 APPROVED

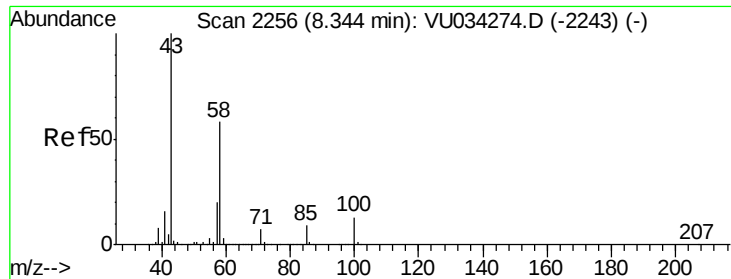
MMDadoda
 9/10/2019 4:17:24 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.935 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.7	21.6	32.4





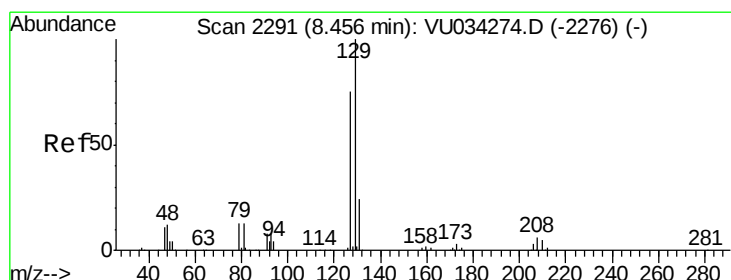
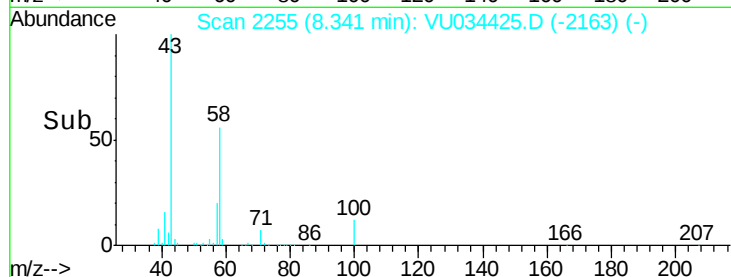
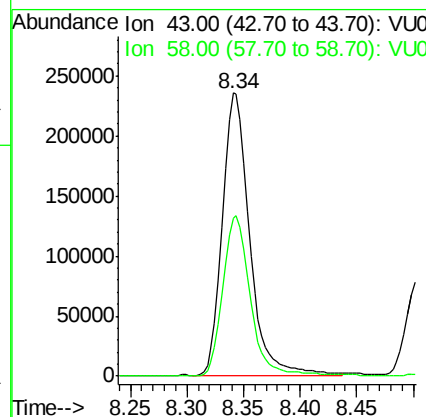
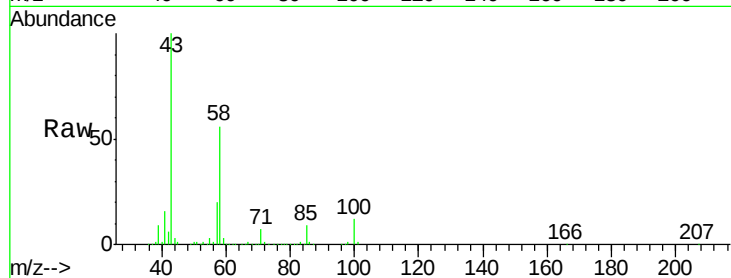
#59
2-Hexanone
Concen: 96.514 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	58.1	28.8	86.5

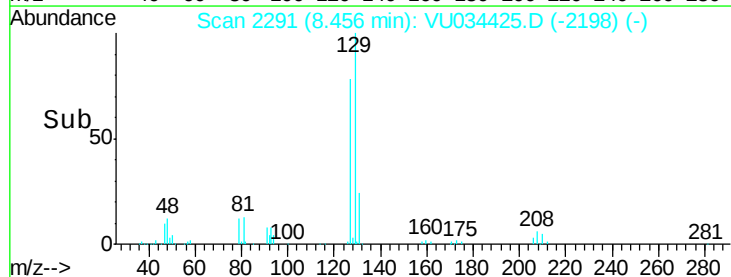
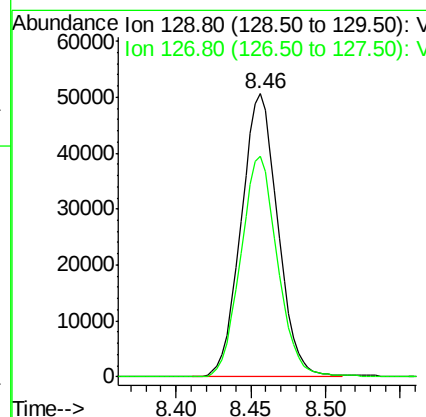
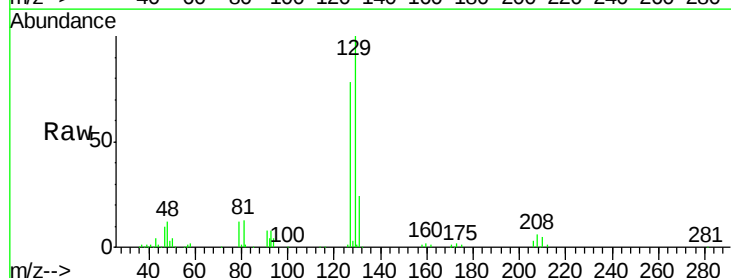
Manual Integrations
APPROVED

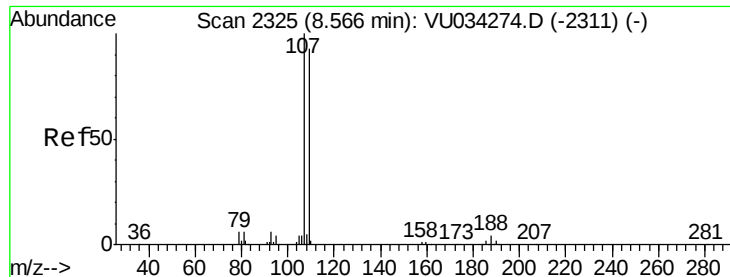
MMDadoda
9/10/2019 4:17:24 PM



#60
Dibromochloromethane
Concen: 20.495 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	37.9	113.7





#61

1,2-Dibromoethane

Concen: 20.584 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion:107 Resp: 79358

Ion Ratio Lower Upper

107 100

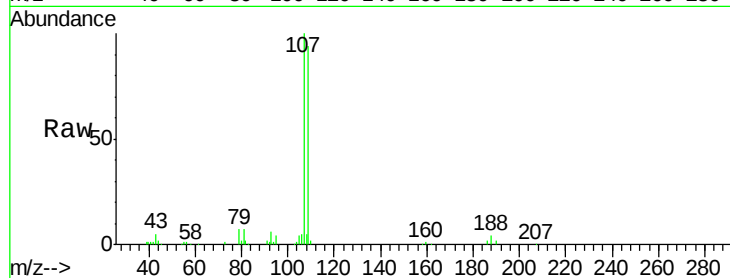
109 94.9 75.0 112.6

Manual Integrations

APPROVED

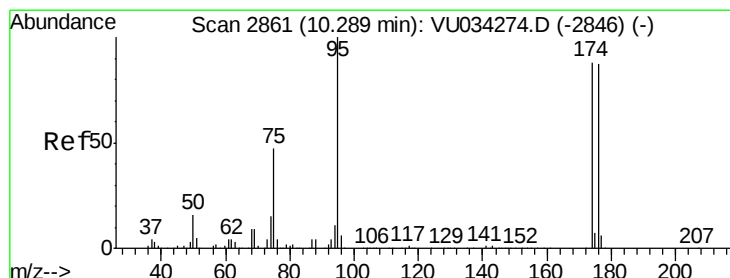
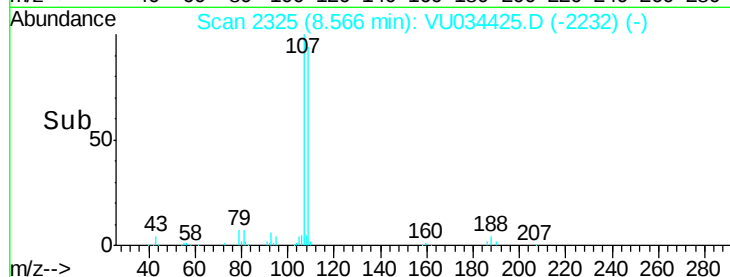
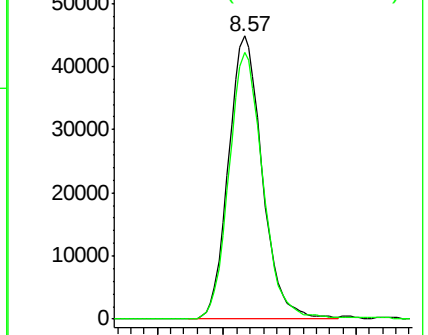
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 49.395 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

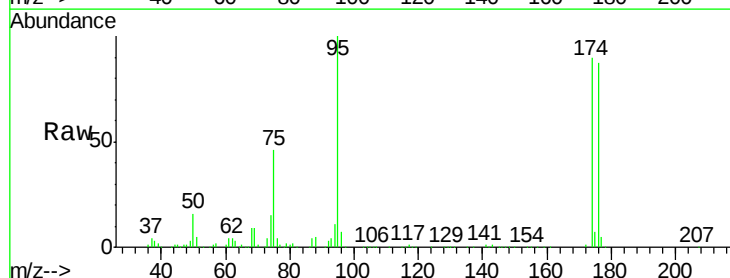
Tgt Ion: 95 Resp: 263460

Ion Ratio Lower Upper

95 100

174 89.9 0.0 175.2

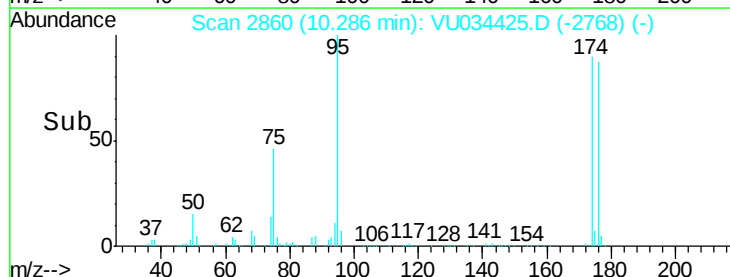
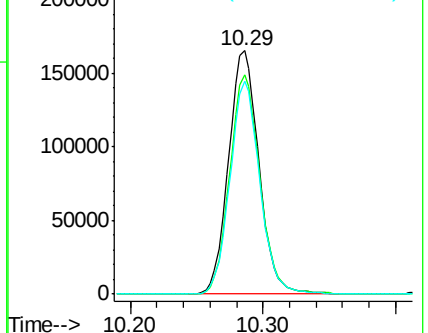
176 85.9 0.0 168.0

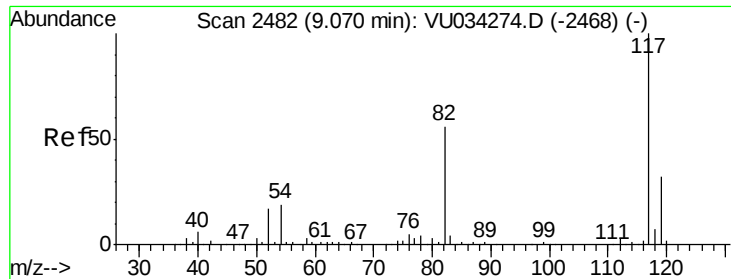


Abundance Ion 94.90 (94.60 to 95.60): VU0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





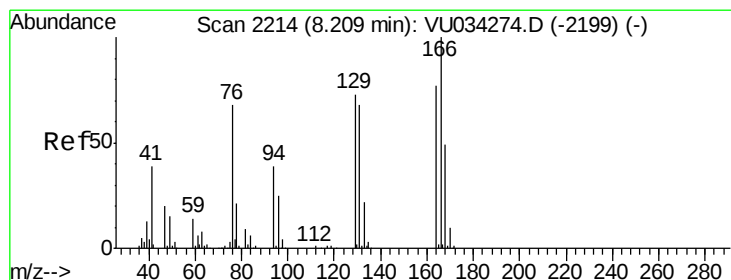
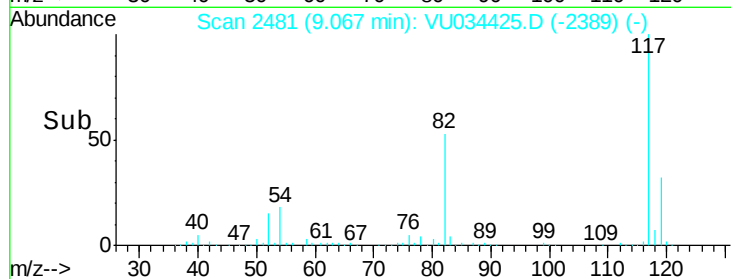
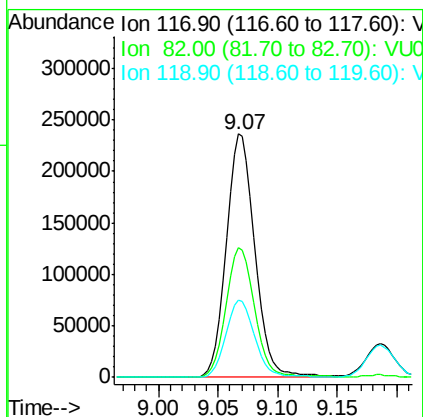
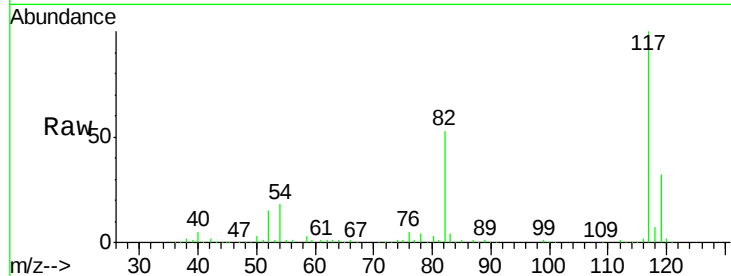
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	44.6	67.0
119	31.9	25.9	38.9

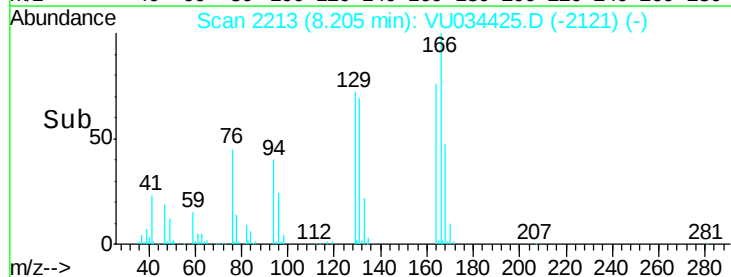
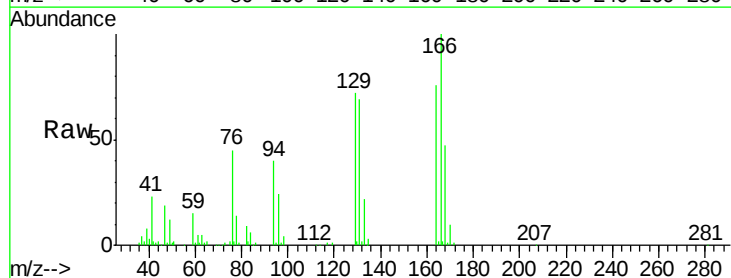
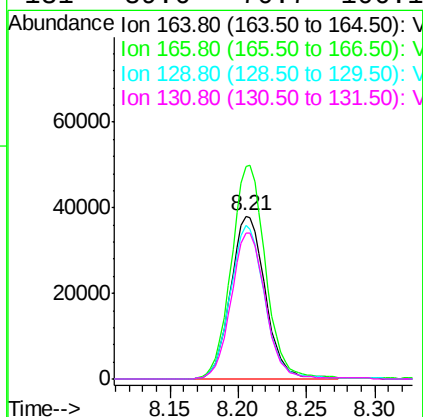
Manual Integrations
APPROVED

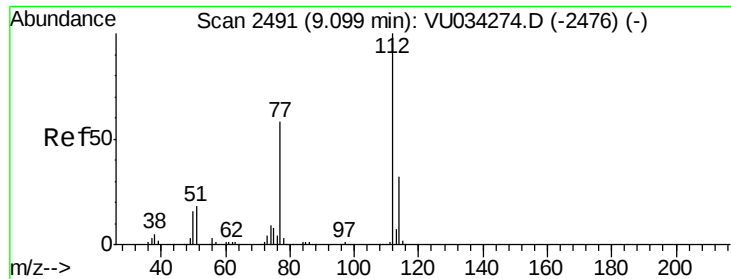
MMDadoda
9/10/2019 4:17:24 PM



#64
Tetrachloroethene
Concen: 19.650 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	103.7	155.5
129	93.9	75.8	113.8
131	89.6	70.7	106.1





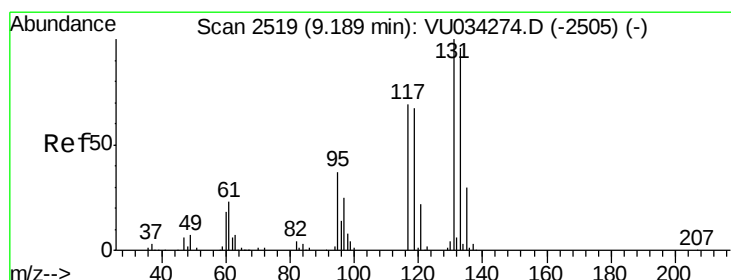
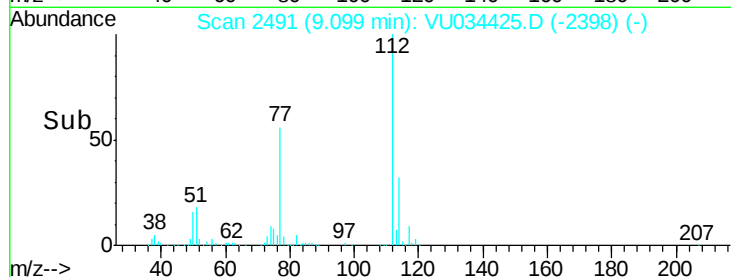
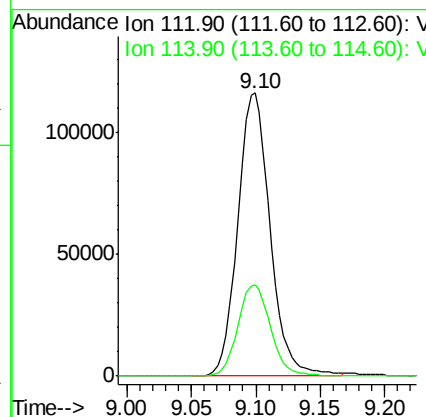
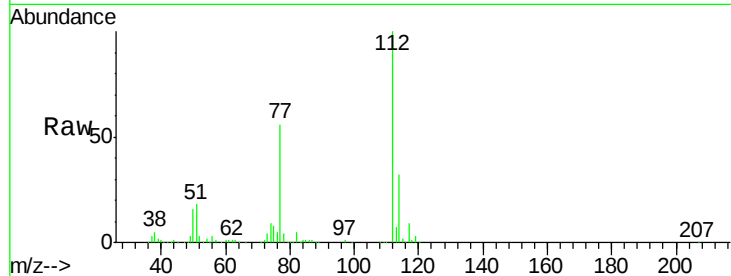
#65
Chlorobenzene
Concen: 20.230 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	202155		
114	32.3	25.9	38.9	

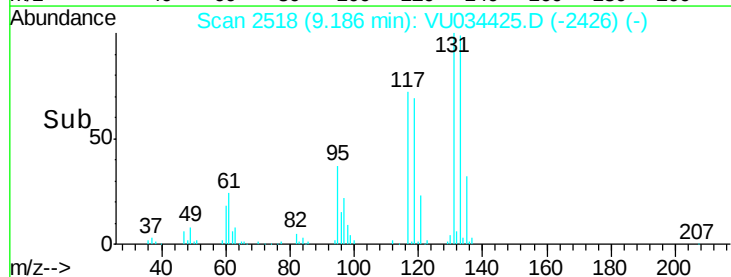
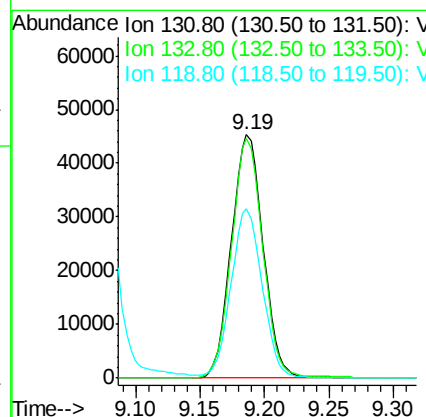
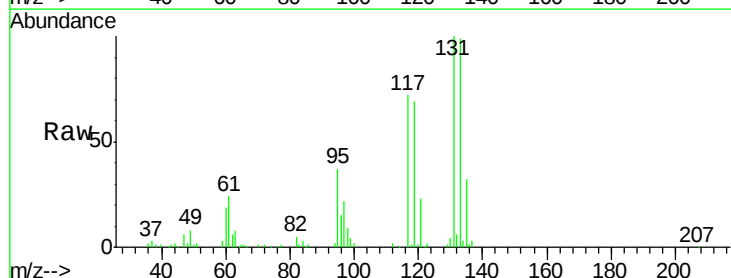
Manual Integrations
APPROVED

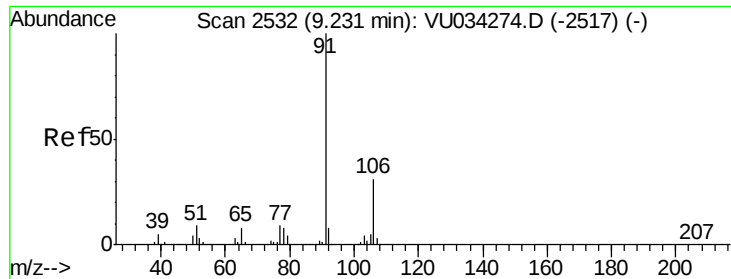
MMDadoda
9/10/2019 4:17:24 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.350 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	77604		
133	96.6	47.9	143.7	
119	67.8	33.1	99.5	





#67

Ethyl Benzene

Concen: 19.486 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 91 Resp: 318368

Ion Ratio Lower Upper

91 100

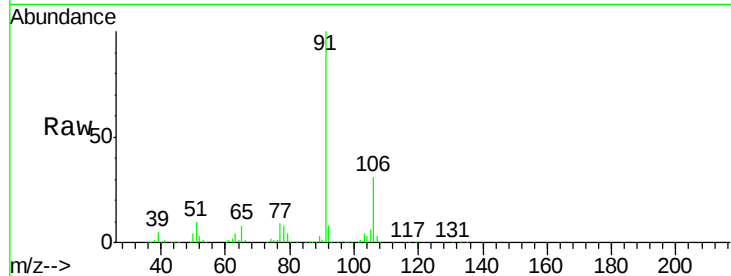
106 31.5 24.8 37.2

Manual Integrations

APPROVED

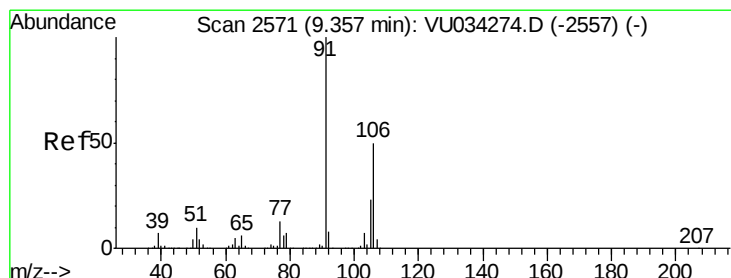
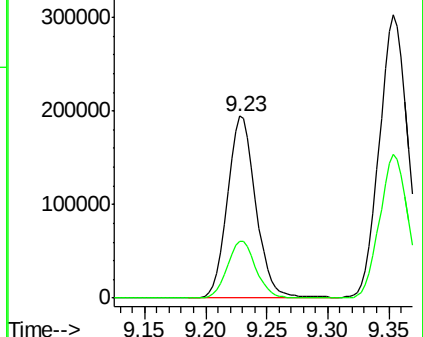
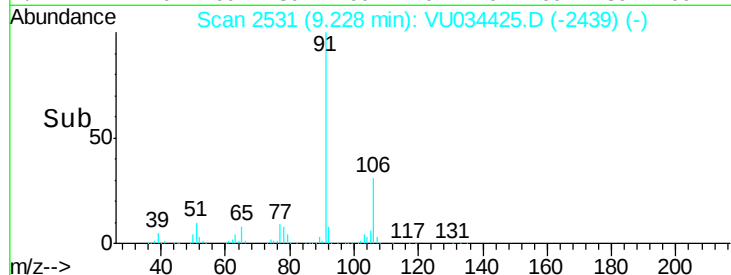
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VU034425.D (-2439) (-)

Ion 106.00 (105.70 to 106.70): VU034425.D (-2439) (-)



#68

m/p-Xylenes

Concen: 41.012 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034425.D

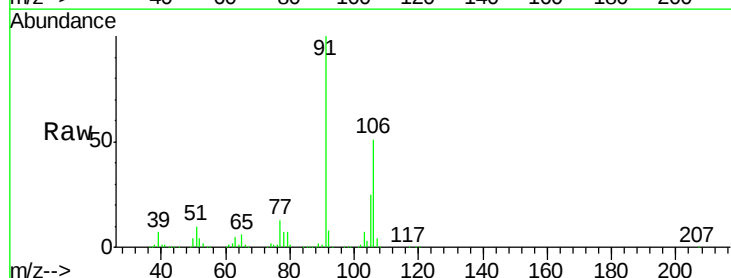
Acq: 09 Sep 2019 12:03

Tgt Ion: 106 Resp: 252321

Ion Ratio Lower Upper

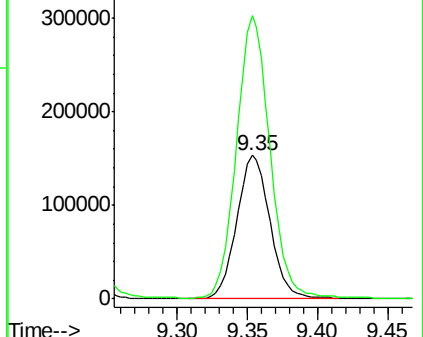
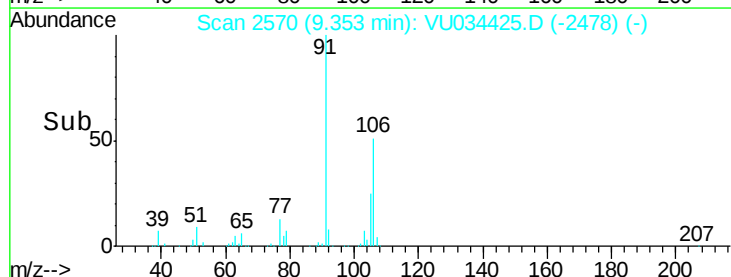
106 100

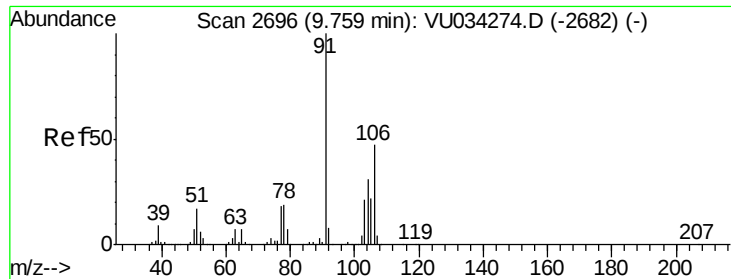
91 200.2 160.1 240.1



Abundance Ion 106.00 (105.70 to 106.70): VU034425.D (-2478) (-)

Ion 91.00 (90.70 to 91.70): VU034425.D (-2478) (-)





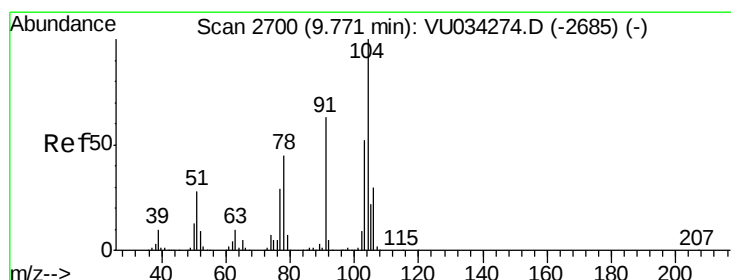
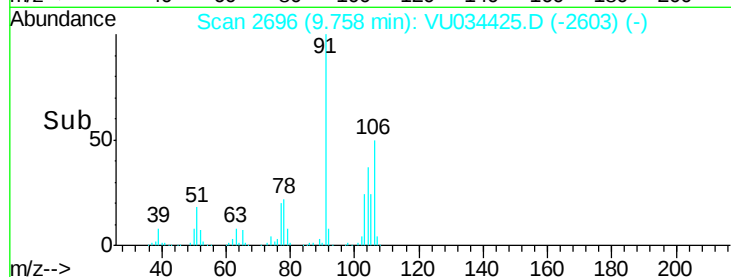
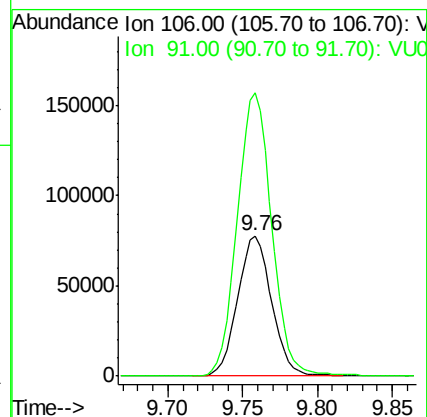
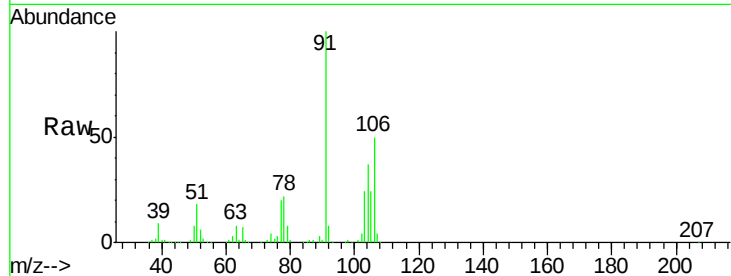
#69
o-Xylene
Concen: 20.452 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	123057		
91	91	205.4	105.1	315.3	

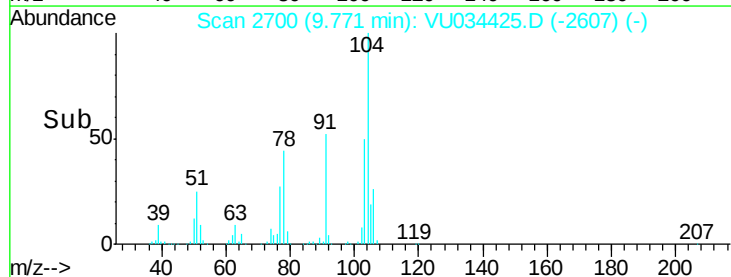
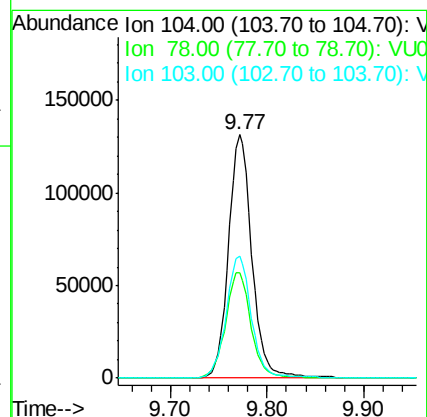
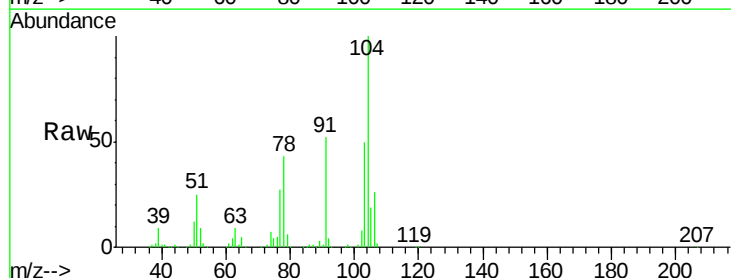
Manual Integrations
APPROVED

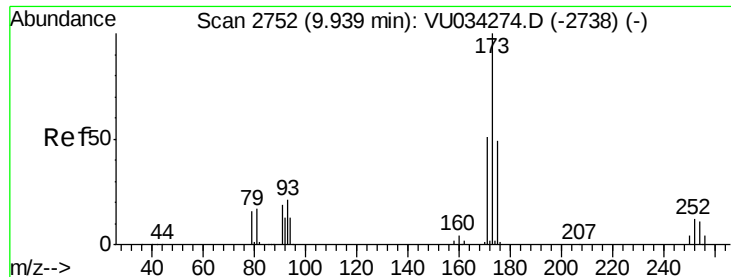
MMDadoda
9/10/2019 4:17:24 PM



#70
Styrene
Concen: 20.961 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	221124		
78	78	47.7	38.6	57.8	
103	103	54.2	44.2	66.4	





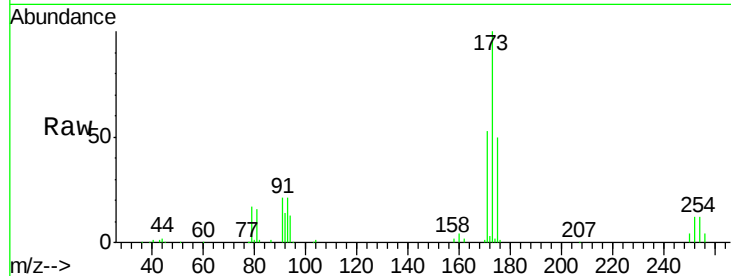
#71
Bromoform
Concen: 20.272 ug/l
RT: 9.94 min Scan# 2751
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

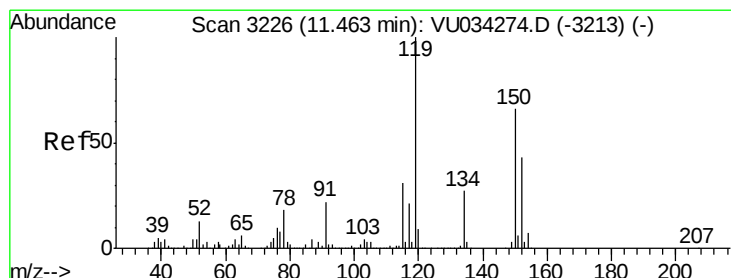
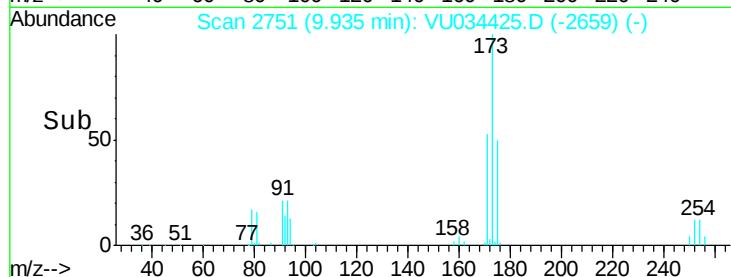
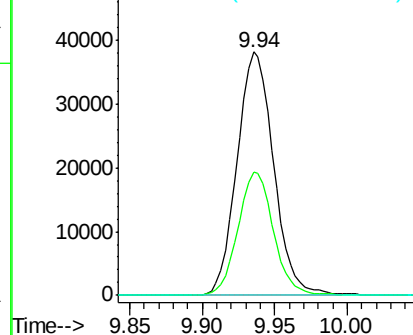
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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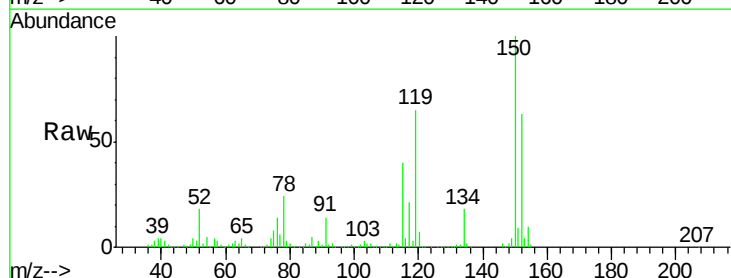


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

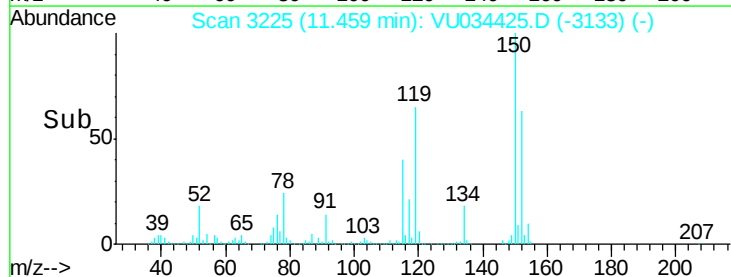
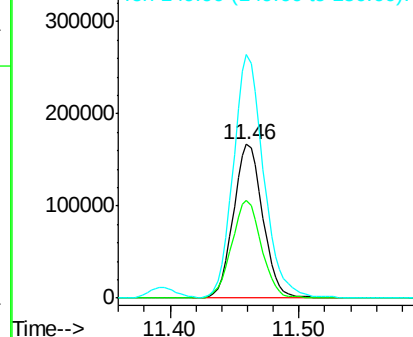


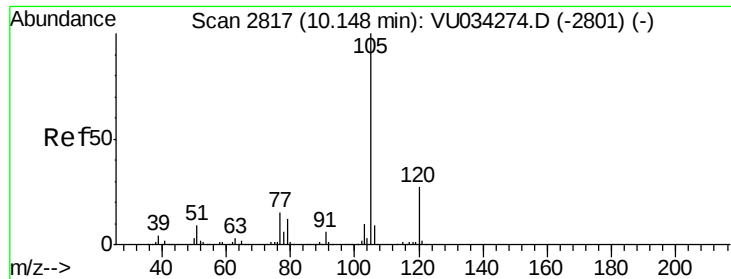
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.46 min Scan# 3225
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.7	39.1	117.3
150	163.3	0.0	345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





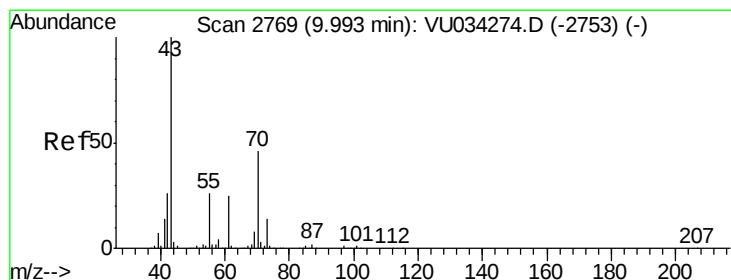
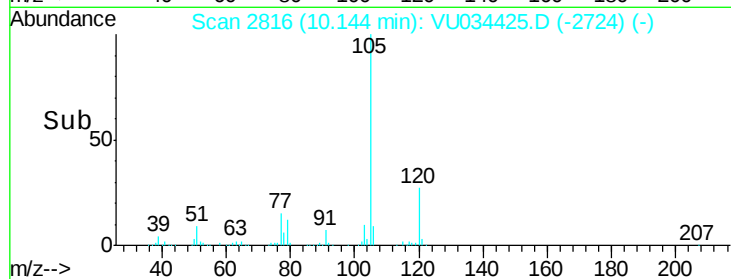
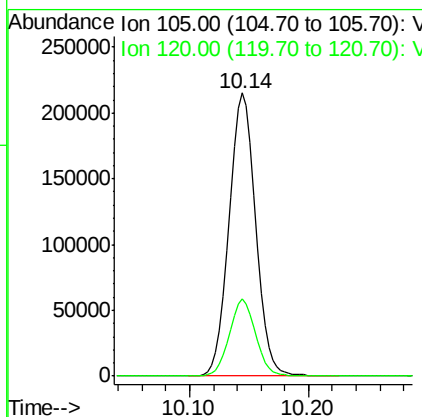
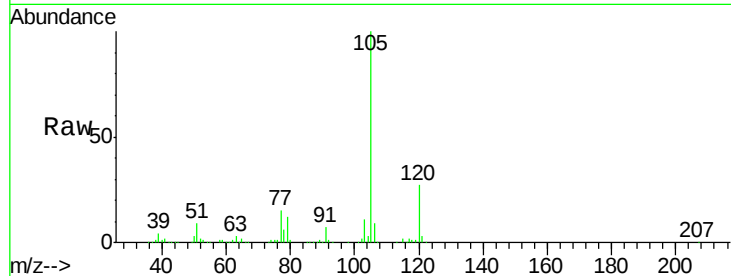
#73
Isopropylbenzene
Concen: 19.462 ug/l
RT: 10.14 min Scan# 2816
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.4	40.2

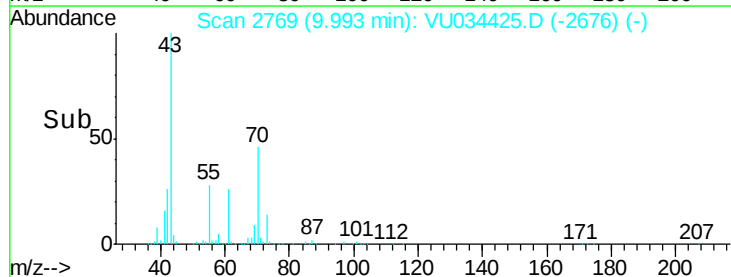
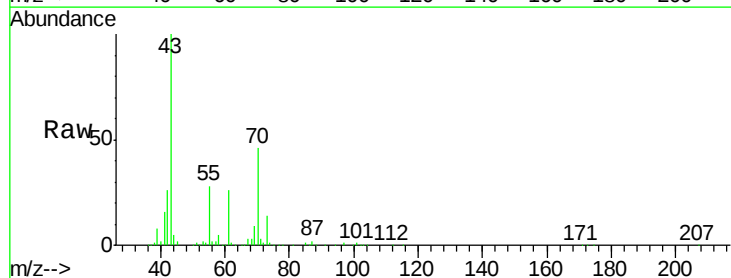
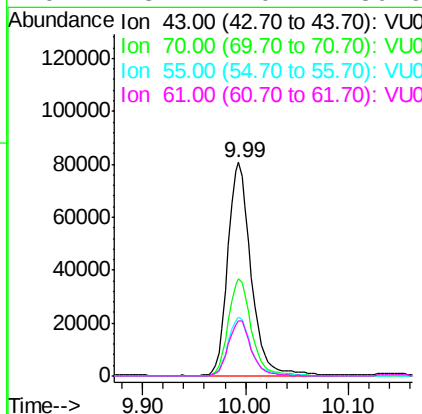
Manual Integrations
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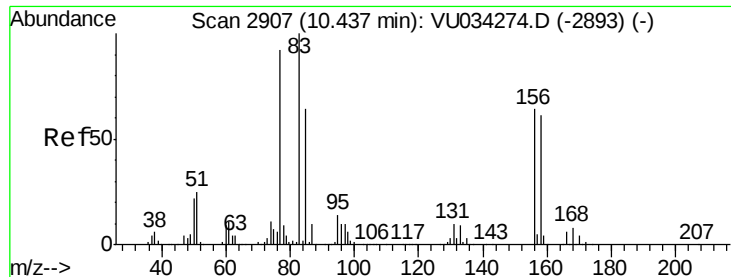
MMDadoda
9/10/2019 4:17:24 PM



#74
N-ethyl acetate
Concen: 18.321 ug/l
RT: 9.99 min Scan# 2769
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.5	36.4	54.6
55	27.7	21.2	31.8
61	25.7	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.836 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 83 Resp: 137963

Ion Ratio Lower Upper

83 100

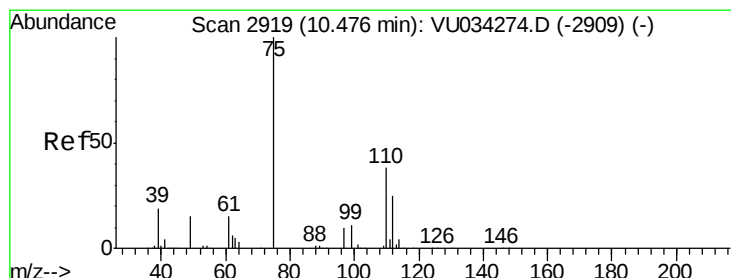
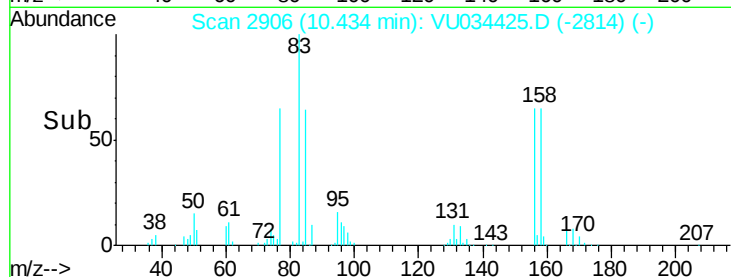
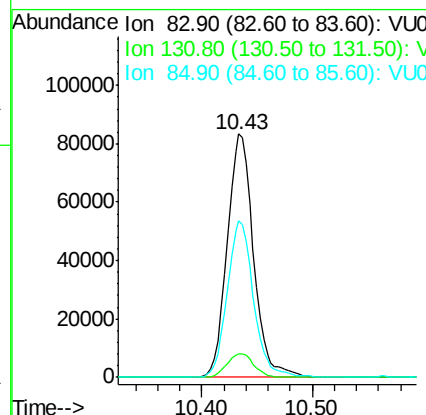
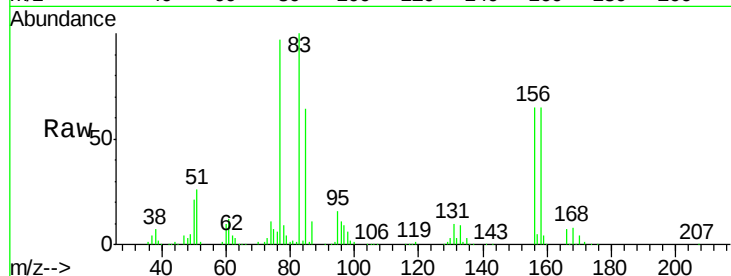
131 9.9 5.1 15.2

85 64.4 32.0 96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.112 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034425.D

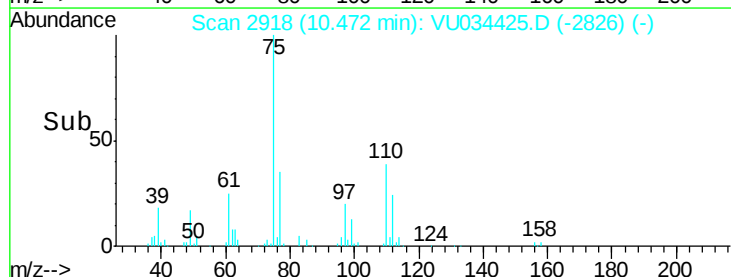
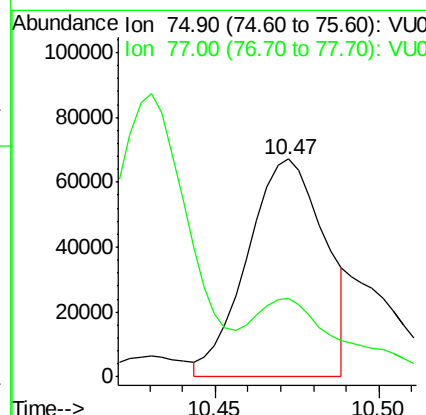
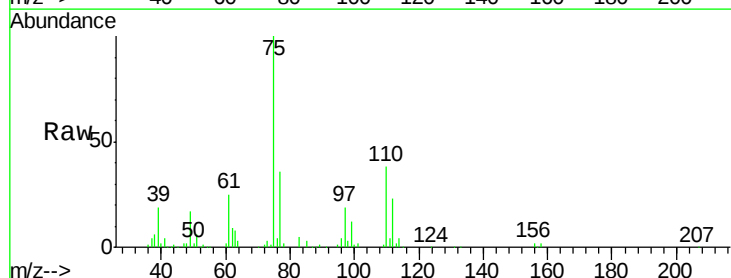
Acq: 09 Sep 2019 12:03

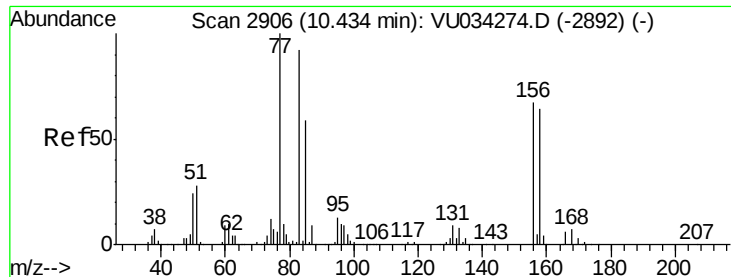
Tgt Ion: 75 Resp: 110147

Ion Ratio Lower Upper

75 100

77 43.3 20.8 62.2





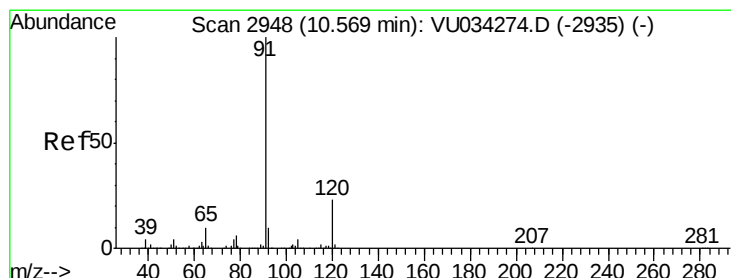
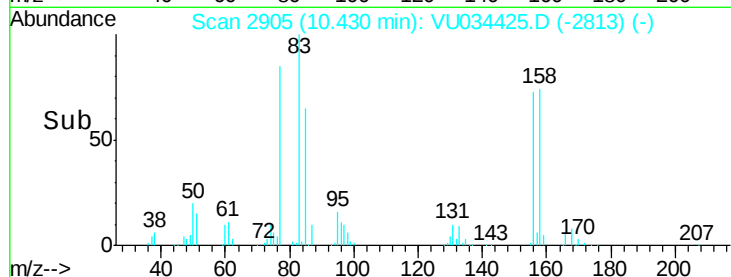
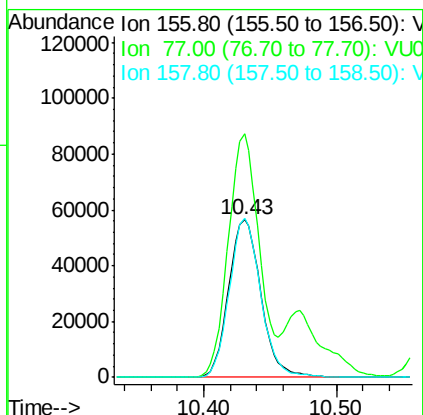
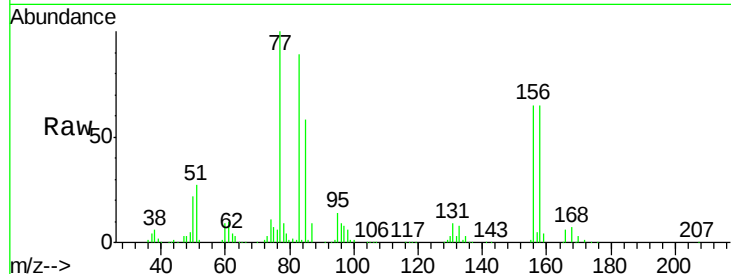
#77
Bromobenzene
Concen: 19.876 ug/l
RT: 10.43 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	149.3	75.6	226.9
158	98.5	48.2	144.6

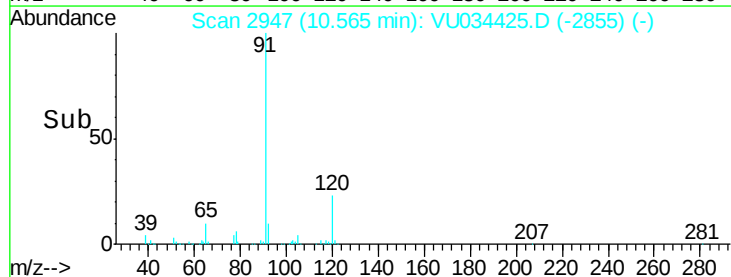
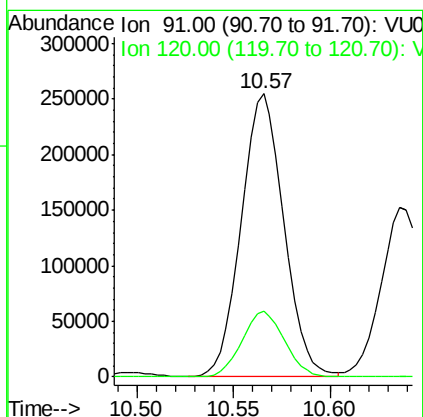
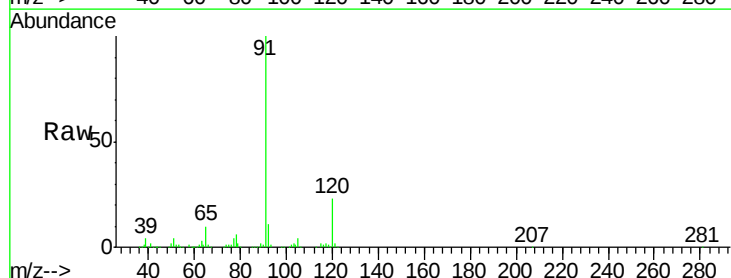
Manual Integrations
APPROVED

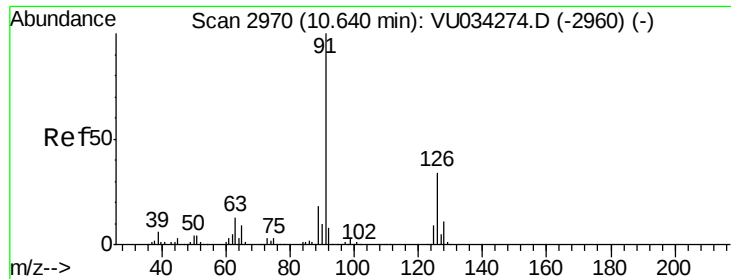
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#78
n-propylbenzene
Concen: 19.583 ug/l
RT: 10.57 min Scan# 2947
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	11.7	35.0





#79

2-Chlorotoluene

Concen: 19.905 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion: 91 Resp: 241014

Ion Ratio Lower Upper

91 100

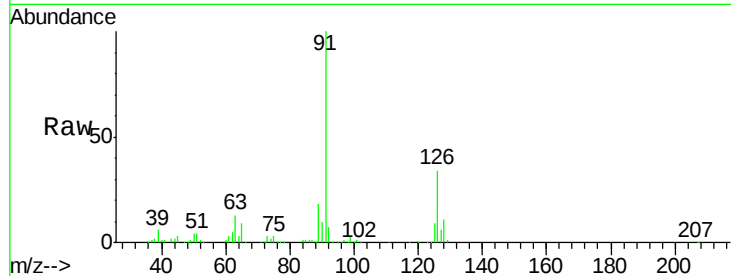
126 34.9 17.3 51.9

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VU034425.D (-2960) (-)

Ion 125.90 (125.60 to 126.60): VU034425.D (-2960) (-)

300000

250000

200000

150000

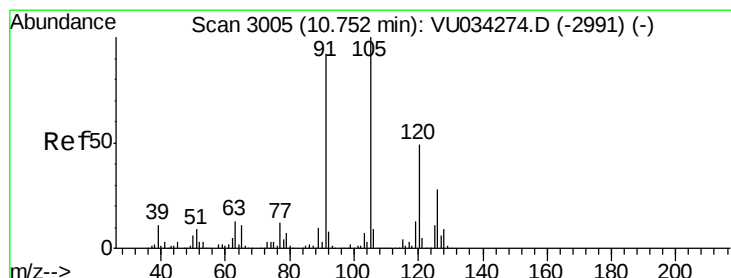
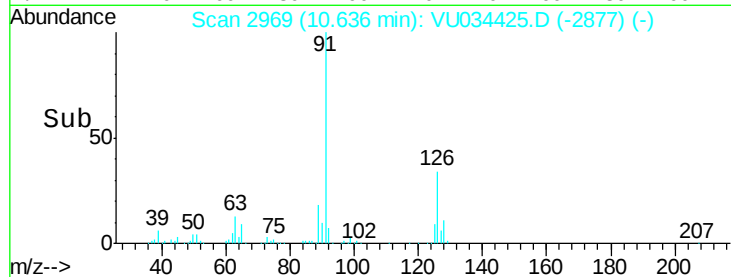
100000

50000

0

10.60 10.65 10.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.721 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034425.D

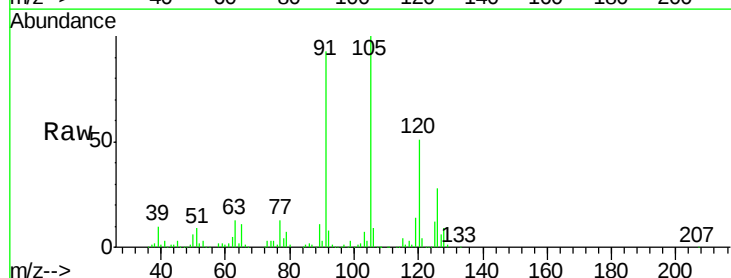
Acq: 09 Sep 2019 12:03

Tgt Ion: 105 Resp: 297773

Ion Ratio Lower Upper

105 100

120 50.3 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VU034425.D (-2991) (-)

Ion 120.00 (119.70 to 120.70): VU034425.D (-2991) (-)

200000

150000

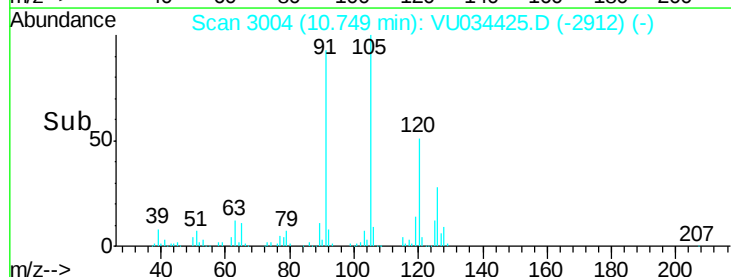
100000

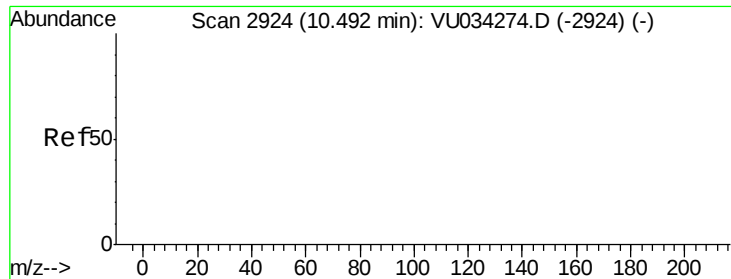
50000

0

10.70 10.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.940 ug/l m

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

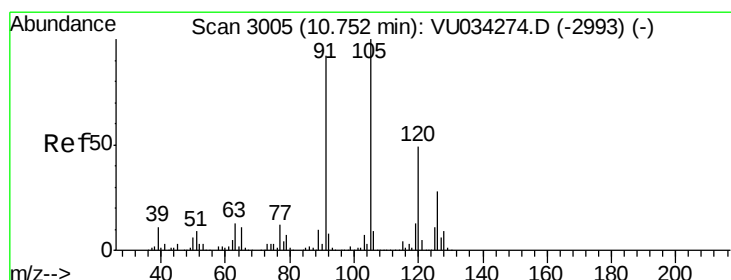
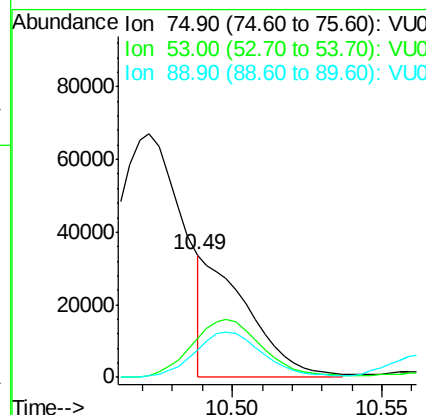
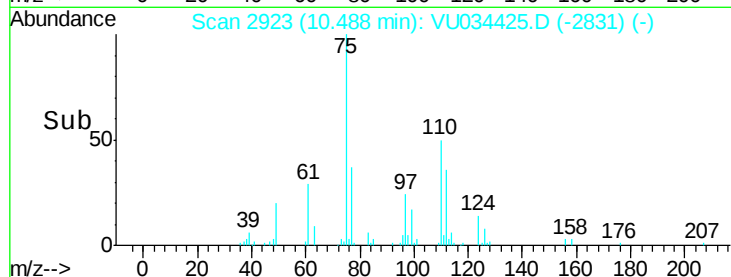
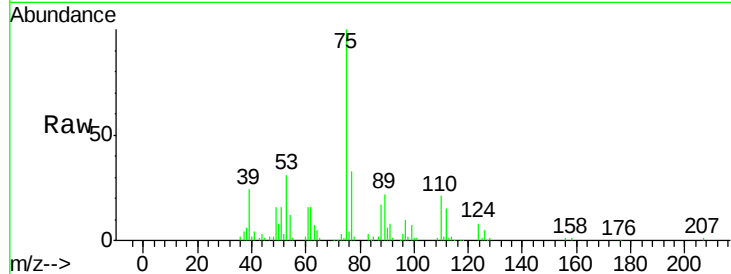
Instrument :
MSVOA_U

ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.289 ug/l

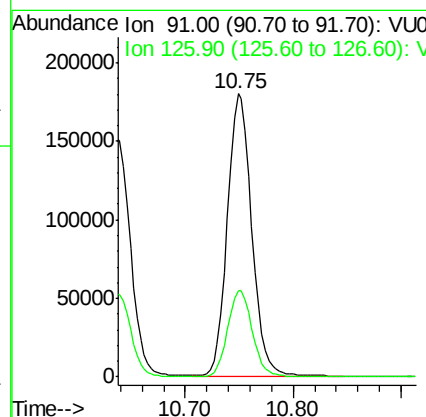
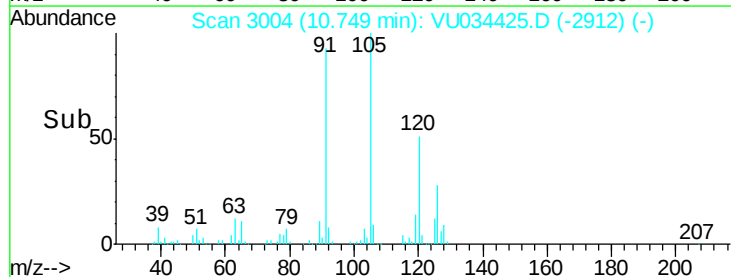
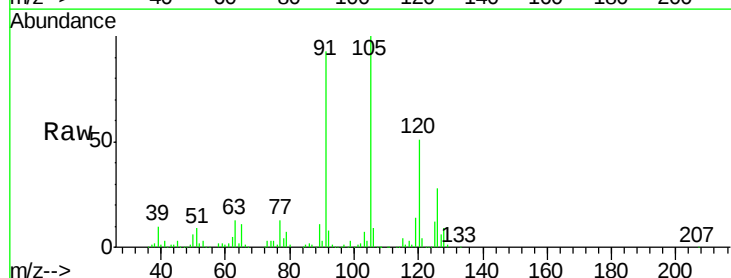
RT: 10.75 min Scan# 3004

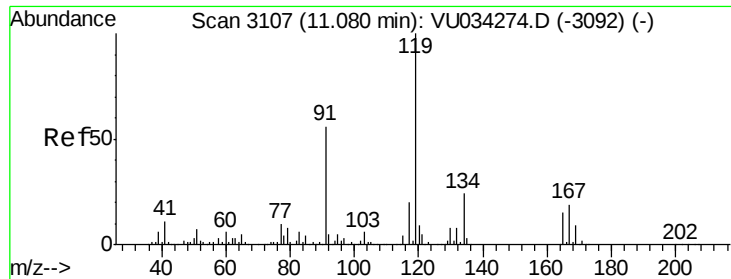
Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	15.3	45.8





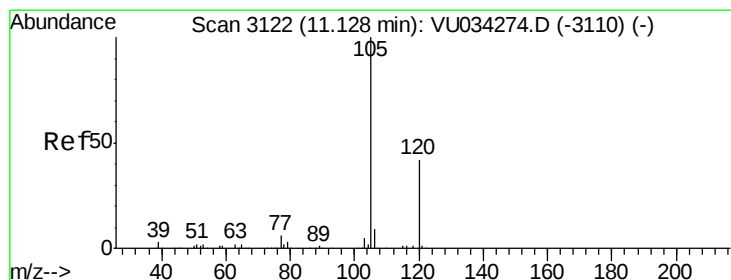
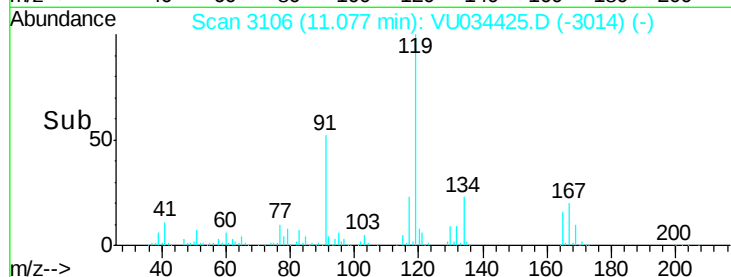
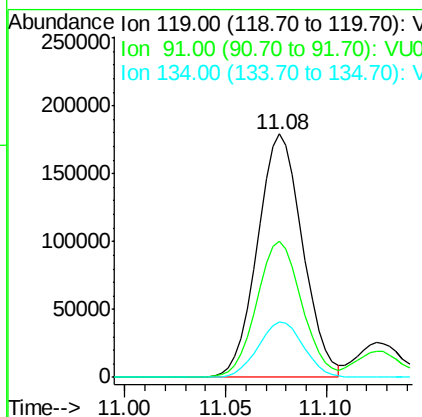
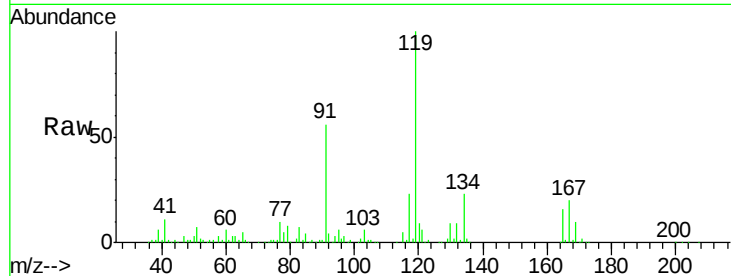
#83
tert-Butylbenzene
Concen: 19.515 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.7	27.8	83.4
134	23.0	11.7	35.0

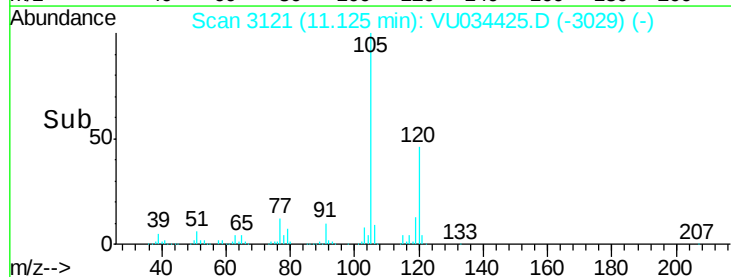
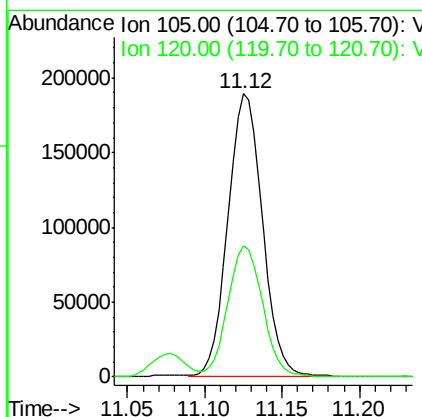
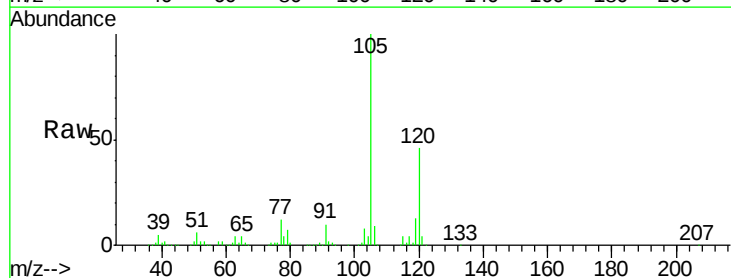
Manual Integrations
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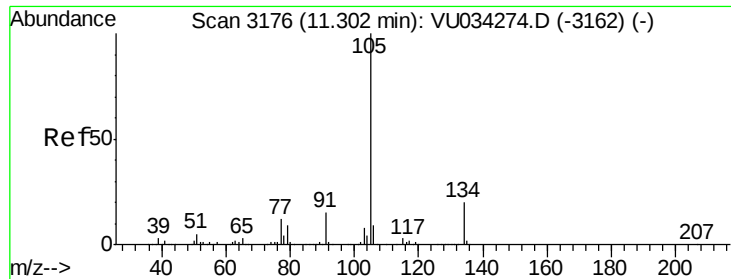
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.105 ug/l
RT: 11.12 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 19.902 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBS01

Tot Ion:105 Resp: 337773

Ion Ratio Lower Upper

105 100

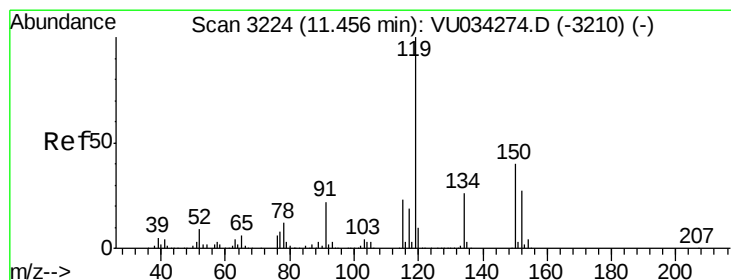
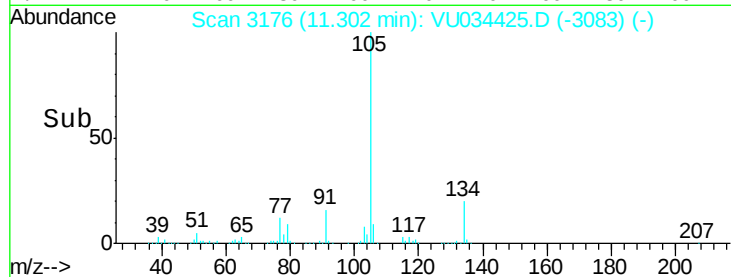
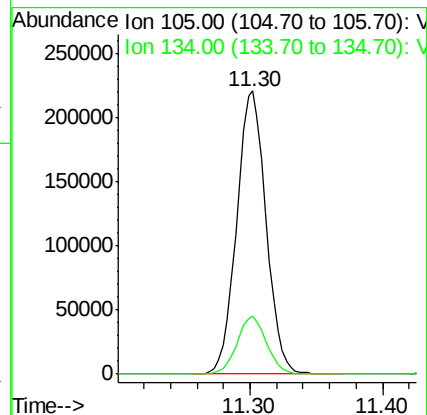
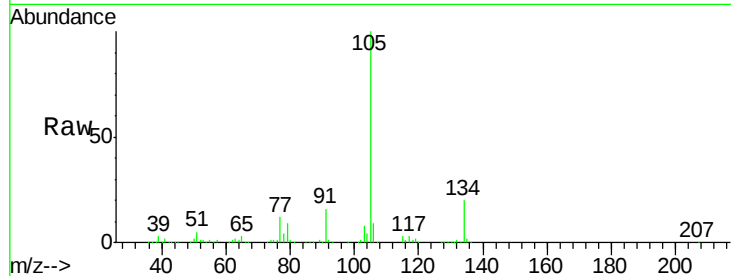
134 20.5 10.1 30.3

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.994 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034425.D

Acq: 09 Sep 2019 12:03

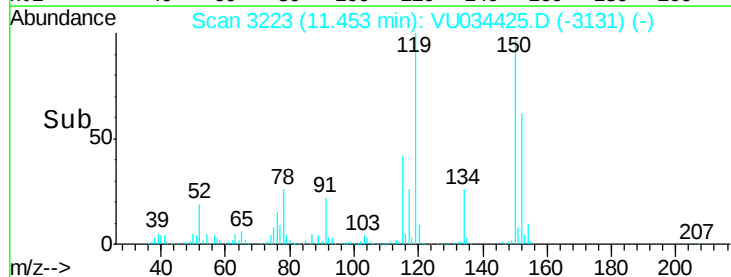
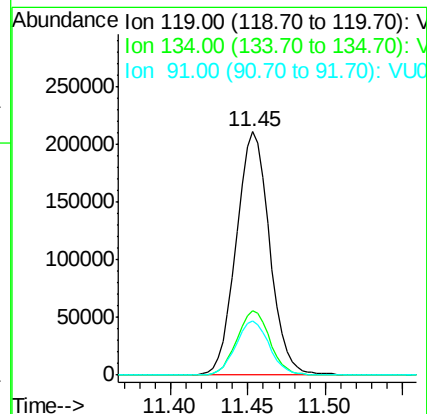
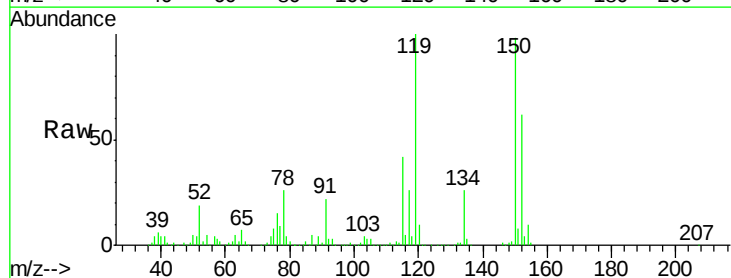
Tgt Ion:119 Resp: 313197

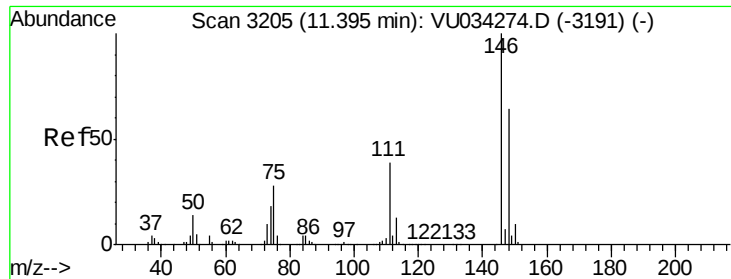
Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

91 22.3 11.2 33.6





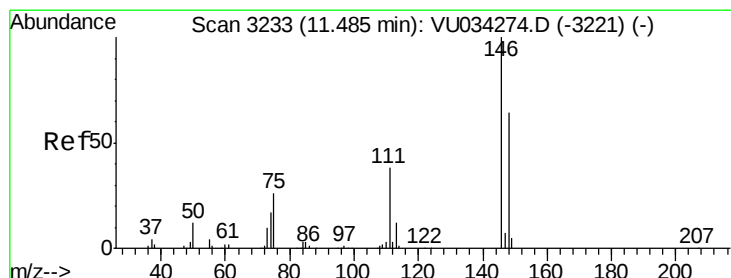
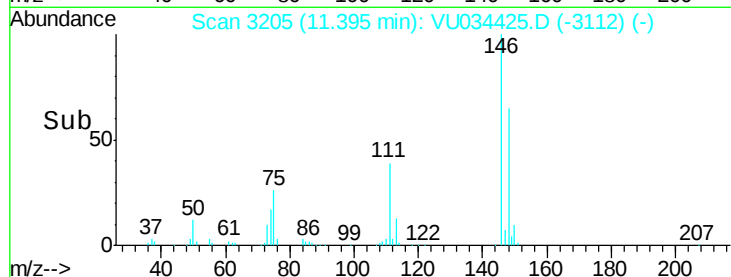
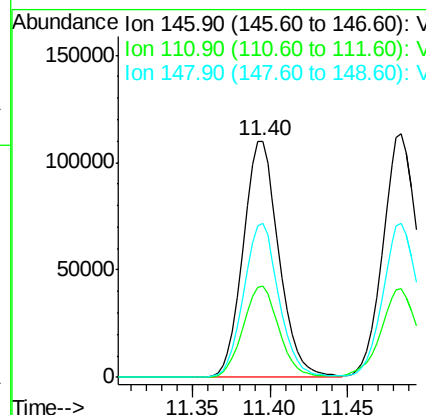
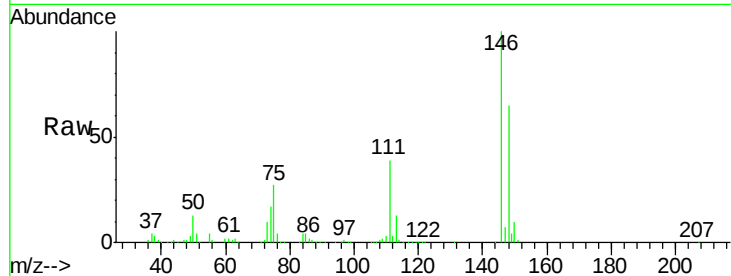
#87
 1,3-Dichlorobenzene
 Concen: 20.153 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.5	58.5
148	64.2	32.1	96.3

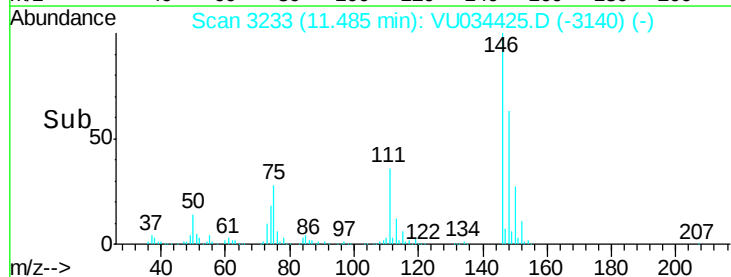
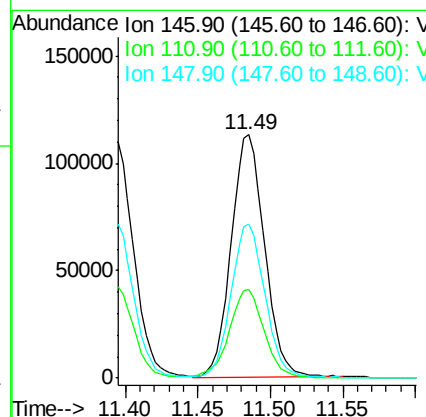
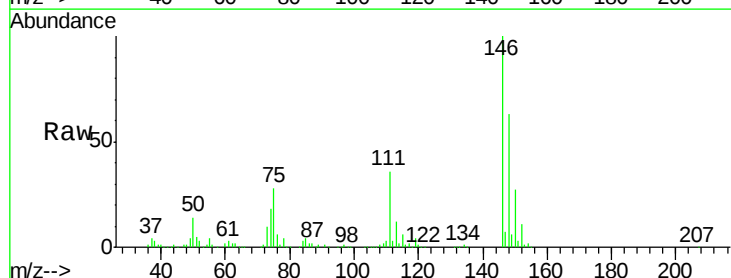
Manual Integrations
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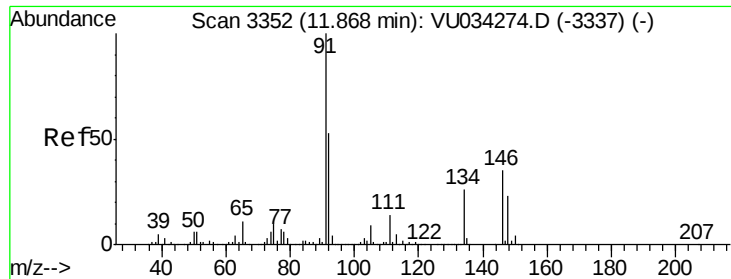
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#88
 1,4-Dichlorobenzene
 Concen: 19.810 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.1	57.3
148	63.6	32.0	96.0





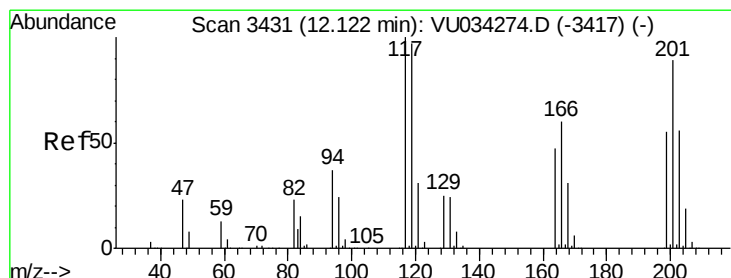
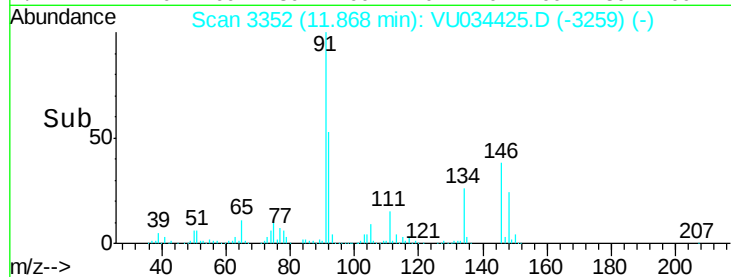
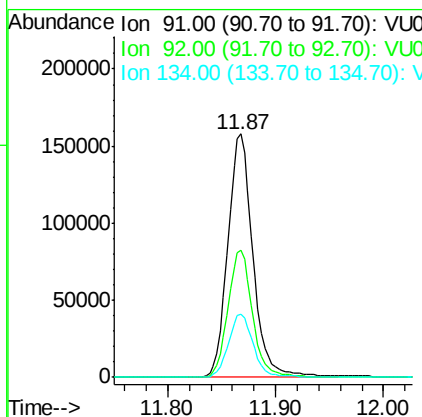
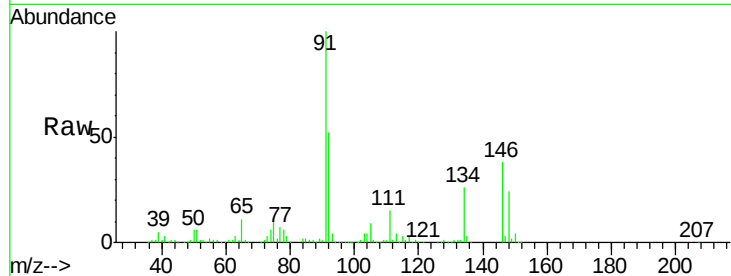
#89
n-Butylbenzene
Concen: 18.881 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.5	79.4
134	25.8	13.2	39.6

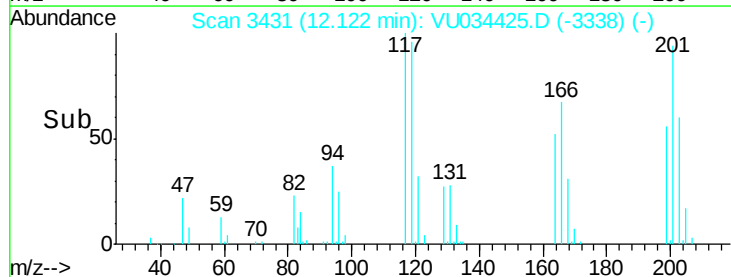
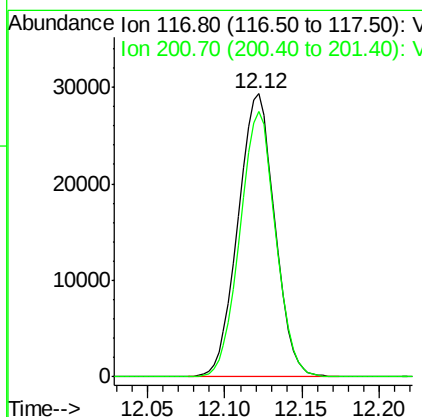
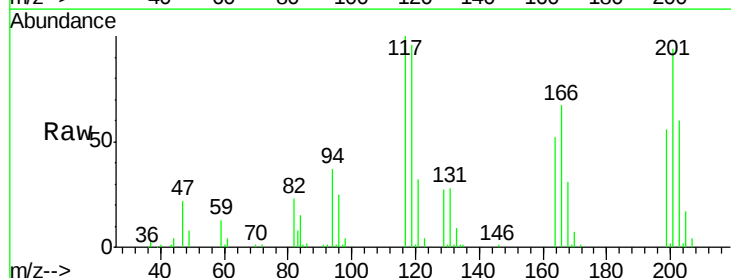
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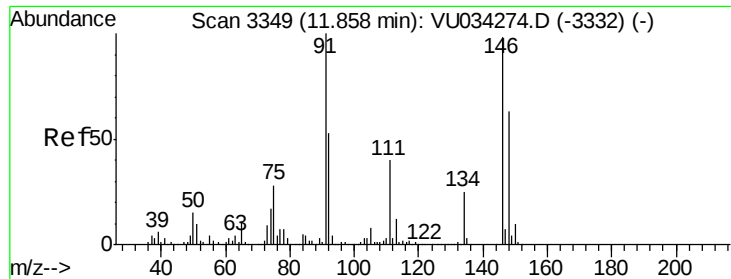
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#90
Hexachloroethane
Concen: 19.359 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.9	44.1	132.4





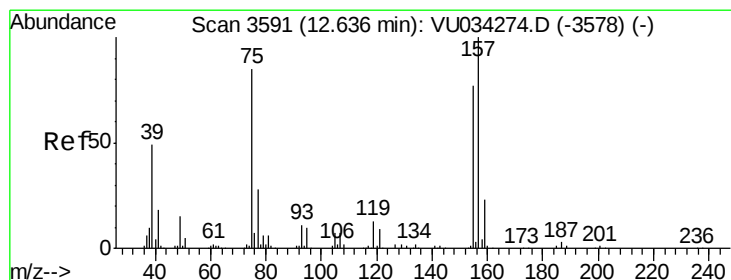
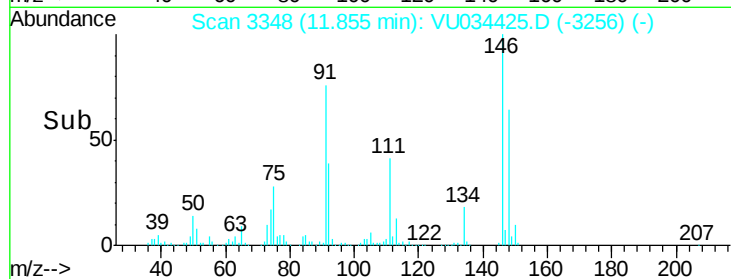
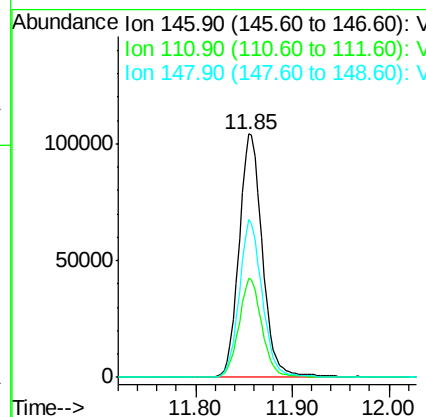
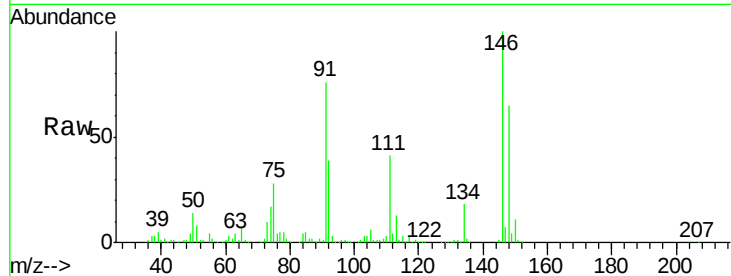
#91
 1,2-Dichlorobenzene
 Concen: 20.294 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	20.0	60.0
148	63.5	31.6	94.8

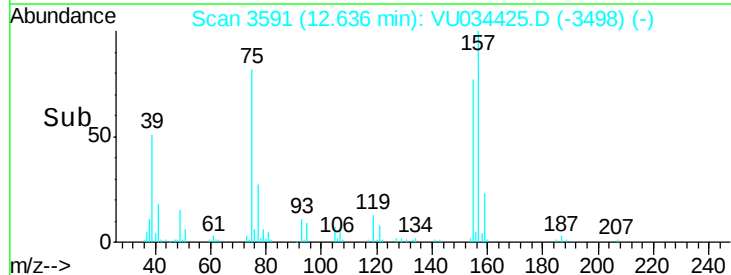
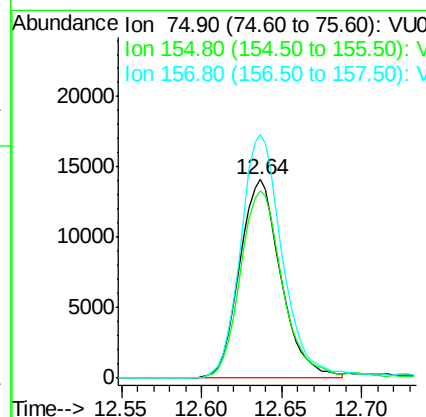
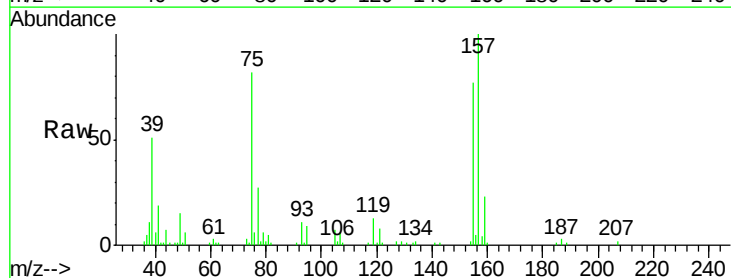
Manual Integrations
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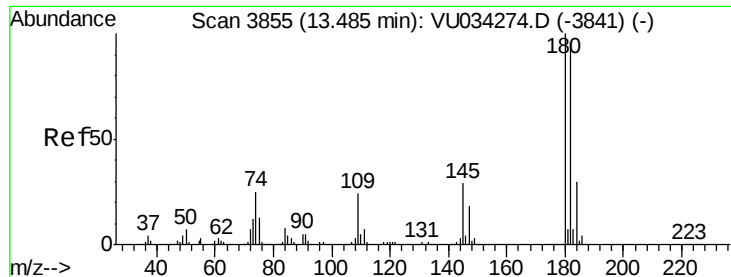
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.476 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	44.6	134.0
157	123.9	58.2	174.6





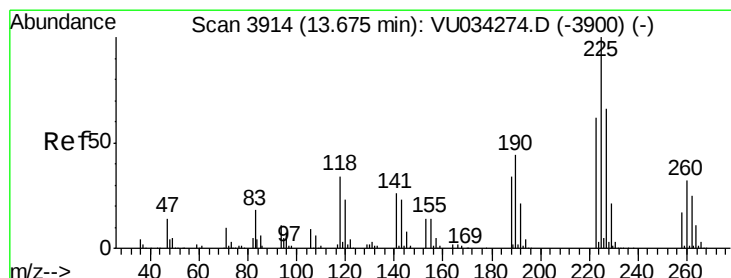
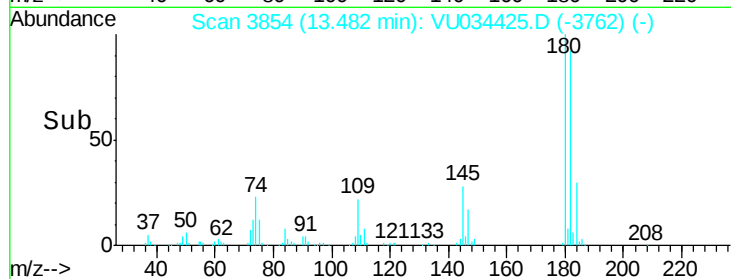
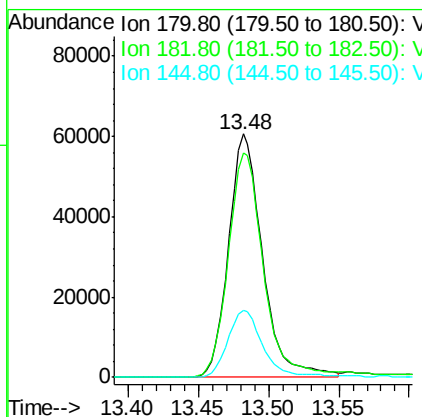
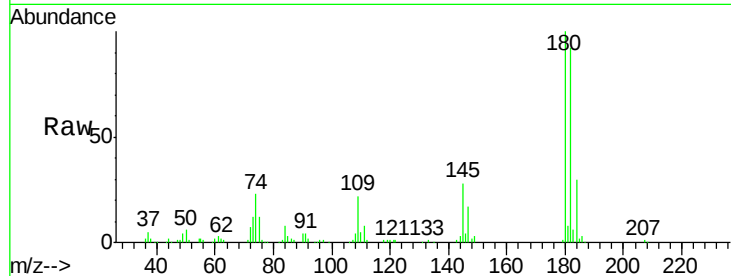
#93
 1,2,4-Trichlorobenzene
 Concen: 18.687 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBS01

Tot Ion:	180	Resp:	102264
Ion Ratio	Lower	Upper	
180	100		
182	97.1	47.9	143.8
145	28.4	14.4	43.0

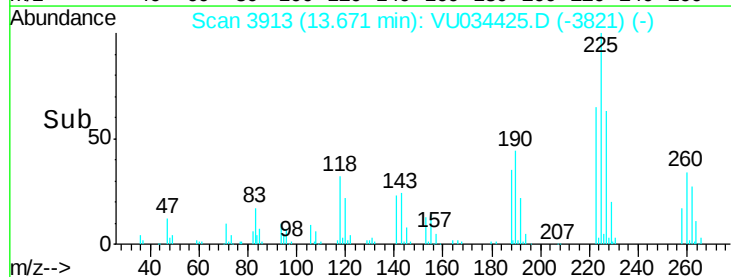
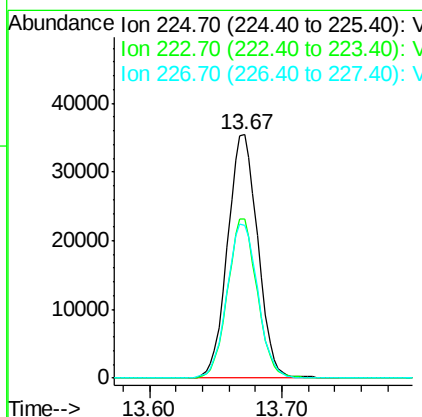
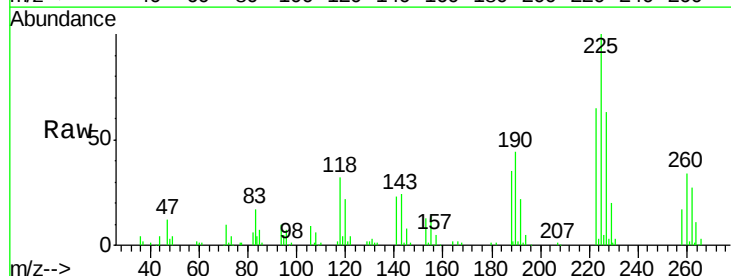
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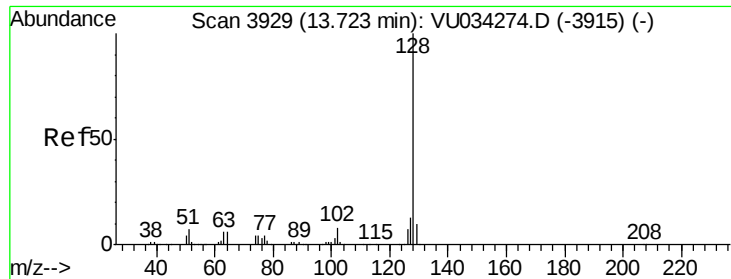
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#94
 Hexachlorobutadiene
 Concen: 18.647 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034425.D
 Acq: 09 Sep 2019 12:03

Tgt Ion:	225	Resp:	56199
Ion Ratio	Lower	Upper	
225	100		
223	63.9	31.6	94.7
227	64.3	32.3	96.8





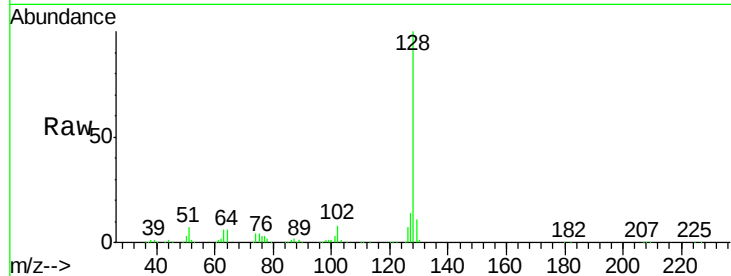
#95
Naphthalene
Concen: 18.108 ug/l
RT: 13.72 min Scan# 3929
Delta R.T. -0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBS01

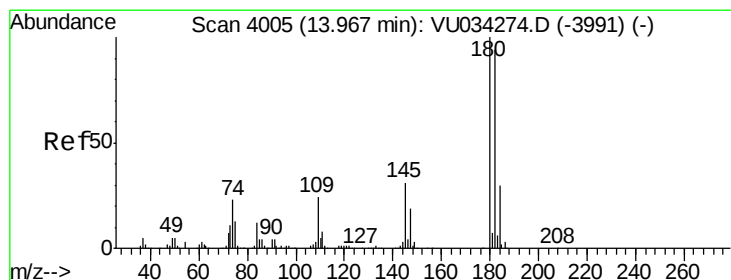
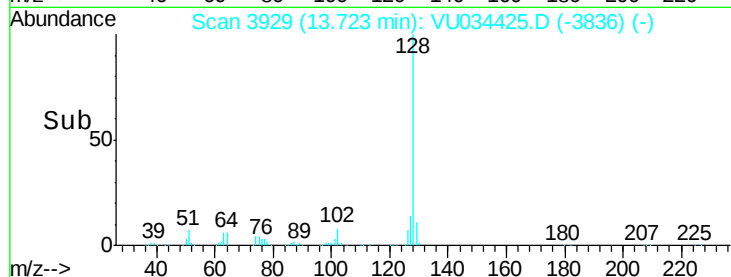
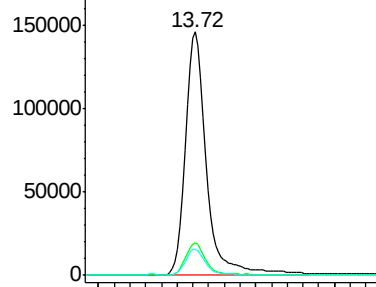
Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.6	15.8
129	10.5	8.4	12.6

Manual Integrations
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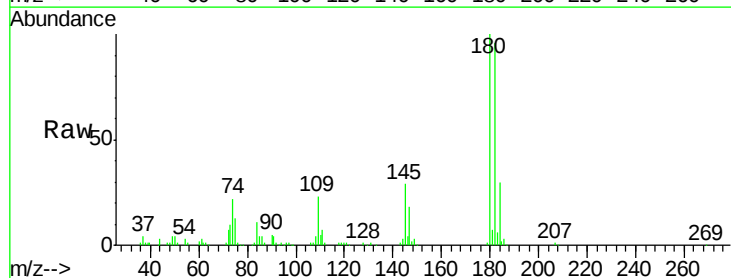


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.324 ug/l
RT: 13.97 min Scan# 4005
Delta R.T. 0.00 min
Lab File: VU034425.D
Acq: 09 Sep 2019 12:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.4	145.0
145	29.5	15.4	46.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

