

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU090919\
 Data File : VU034429.D
 Acq On : 09 Sep 2019 13:36
 Operator : JC/SP
 Sample : VU0909WBSD01
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2019 4:17:28 PM

Quant Time: Sep 10 06:30:13 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	281304	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	403767	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	400575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	269447	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	209521	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	4.86	113	189414	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	
50) Toluene-d8	7.54	98	720329	51.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.06%	
62) 4-Bromofluorobenzene	10.29	95	263709	48.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	52098	17.708	ug/l	98
3) Chloromethane	1.32	50	61118	19.176	ug/l	99
4) Vinyl Chloride	1.40	62	65081	17.752	ug/l	99
5) Bromomethane	1.62	94	42513	20.323	ug/l	99
6) Chloroethane	1.69	64	43344	19.735	ug/l	98
7) Trichlorofluoromethane	1.88	101	94622	19.249	ug/l	99
8) Diethyl Ether	2.10	74	41490	19.189	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.28	101	61422	18.866	ug/l	97
10) Methyl Iodide	2.40	142	38284	15.710	ug/l	99
11) Tert butyl alcohol	2.81	59	85161	94.709	ug/l	98
12) 1,1-Dichloroethene	2.27	96	58537	19.126	ug/l	99
13) Acrolein	2.19	56	56406	74.635	ug/l	100
14) Allyl chloride	2.58	41	104451m	17.851	ug/l	
15) Acrylonitrile	2.92	53	220474	98.462	ug/l	99
16) Acetone	2.31	43	177147	80.428	ug/l	97
17) Carbon Disulfide	2.47	76	115314	16.764	ug/l	99
18) Methyl Acetate	2.60	43	100391	18.732	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	216696	19.425	ug/l	100
20) Methylene Chloride	2.69	84	76012	20.837	ug/l	96
21) trans-1,2-Dichloroethene	2.97	96	59914	18.576	ug/l	96
22) Diisopropyl ether	3.55	45	224767	19.698	ug/l	92
23) Vinyl Acetate	3.51	43	878870	94.555	ug/l	98
24) 1,1-Dichloroethane	3.43	63	130761	19.189	ug/l	99
25) 2-Butanone	4.24	43	276011	93.877	ug/l	99
26) 2,2-Dichloropropane	4.20	77	98238	17.924	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	77691	19.833	ug/l	96
28) Bromochloromethane	4.53	49	52302	16.687	ug/l	97
29) Tetrahydrofuran	4.62	42	174640	97.614	ug/l	100
30) Chloroform	4.65	83	137739	19.885	ug/l	99
31) Cyclohexane	4.97	56	89805	18.014	ug/l	96
32) 1,1,1-Trichloroethane	4.89	97	109766	19.820	ug/l	99
36) 1,1-Dichloropropene	5.12	75	83211	19.003	ug/l	99
37) Ethyl Acetate	4.36	43	96926	18.721	ug/l	99
38) Carbon Tetrachloride	5.11	117	92182	19.716	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	83464	17.830	ug/l	98
40) Benzene	5.37	78	282999	20.029	ug/l	100
41) Methacrylonitrile	4.52	41	53647	19.453	ug/l	97
42) 1,2-Dichloroethane	5.39	62	97849	19.946	ug/l	99
43) Isopropyl Acetate	5.53	43	152460	18.877	ug/l	99
44) Trichloroethene	6.17	130	76786	19.639	ug/l	96
45) 1,2-Dichloropropane	6.41	63	82490	19.970	ug/l	97
46) Dibromomethane	6.54	93	52953	20.423	ug/l	99
47) Bromodichloromethane	6.74	83	106467	19.948	ug/l	98
48) Methyl methacrylate	6.60	41	70343	18.338	ug/l	99
49) 1,4-Dioxane	6.59	88	34079	406.843	ug/l	96
51) 4-Methyl-2-Pentanone	7.44	43	540521	96.685	ug/l	100
52) Toluene	7.62	92	179869	20.293	ug/l	100
53) t-1,3-Dichloropropene	7.86	75	103607	18.727	ug/l	99
54) cis-1,3-Dichloropropene	7.25	75	116687	19.216	ug/l	99
55) 1,1,2-Trichloroethane	8.04	97	80301	19.952	ug/l	98
56) Ethyl methacrylate	8.00	69	103605	18.978	ug/l	99
57) 1,3-Dichloropropane	8.22	76	127795	19.500	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	166472	91.737	ug/l	100
59) 2-Hexanone	8.34	43	400520	95.900	ug/l	100
60) Dibromochloromethane	8.46	129	87869	20.355	ug/l	100
61) 1,2-Dibromoethane	8.57	107	78931	20.037	ug/l	98
64) Tetrachloroethene	8.21	164	69503	20.000	ug/l	98
65) Chlorobenzene	9.10	112	205342	20.205	ug/l	98
66) 1,1,1,2-Tetrachloroethane	9.19	131	78891	20.341	ug/l	99
67) Ethyl Benzene	9.23	91	324428	19.524	ug/l	100
68) m/p-Xylenes	9.35	106	258133	41.254	ug/l	98
69) o-Xylene	9.76	106	122892	20.083	ug/l	98
70) Styrene	9.77	104	223308	20.814	ug/l	99
71) Bromoform	9.94	173	68161	20.278	ug/l #	99
73) Isopropylbenzene	10.14	105	341943	19.501	ug/l	100
74) N-amyl acetate	9.99	43	130608	18.504	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	139252	19.619	ug/l	99
76) 1,2,3-Trichloropropane	10.47	75	116579m	19.821	ug/l	
77) Bromobenzene	10.43	156	98698	20.130	ug/l	96
78) n-propylbenzene	10.57	91	393230	19.418	ug/l	99
79) 2-Chlorotoluene	10.64	91	243057	19.670	ug/l	98
80) 1,3,5-Trimethylbenzene	10.75	105	299793	20.443	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	36380m	20.801	ug/l	
82) 4-Chlorotoluene	10.75	91	281949	19.828	ug/l	98
83) tert-Butylbenzene	11.08	119	285442	19.456	ug/l	99
84) 1,2,4-Trimethylbenzene	11.13	105	294529	19.952	ug/l	99
85) sec-Butylbenzene	11.30	105	343919	19.857	ug/l	100
86) p-Isopropyltoluene	11.45	119	317486	19.860	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	178212	19.919	ug/l	100
88) 1,4-Dichlorobenzene	11.49	146	182173	19.522	ug/l	99
89) n-Butylbenzene	11.87	91	256427	18.458	ug/l	100
90) Hexachloroethane	12.12	117	48277	18.876	ug/l	99
91) 1,2-Dichlorobenzene	11.85	146	177617	20.200	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	12.64	75	26596	20.392	ug/l	98

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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)
93) 1,2,4-Trichlorobenzene	13.48	180	103472	18.557	ug/l	100
94) Hexachlorobutadiene	13.67	225	56192	18.270	ug/l	99
95) Naphthalene	13.72	128	270388	17.828	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	106096	18.954	ug/l	99

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

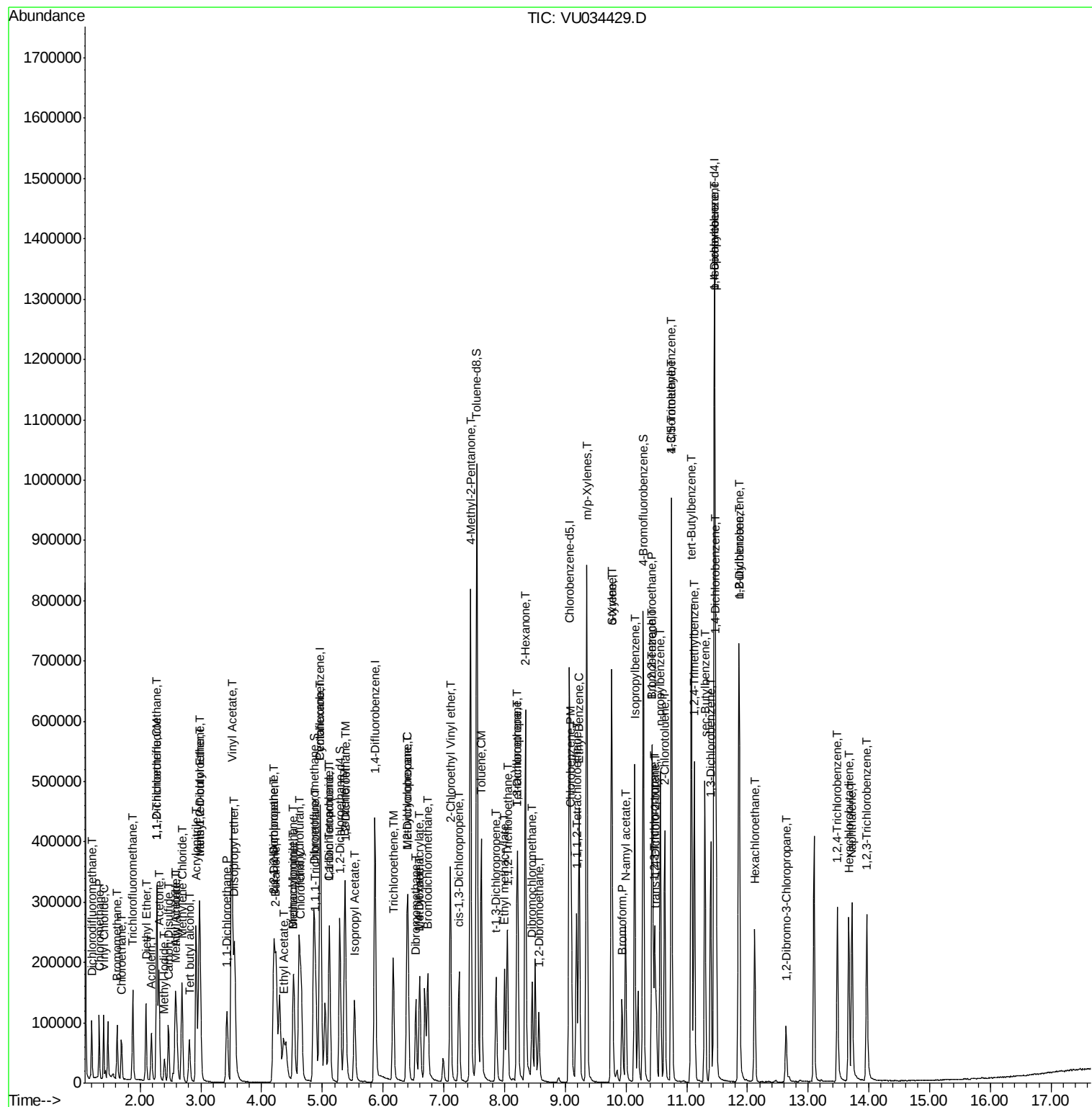
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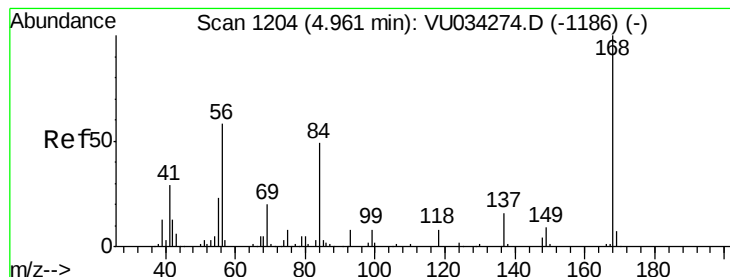
Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1205

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampled :

VU0909WBSD01

Tot Ion:168 Resp: 281304

Ion Ratio Lower Upper

168 100

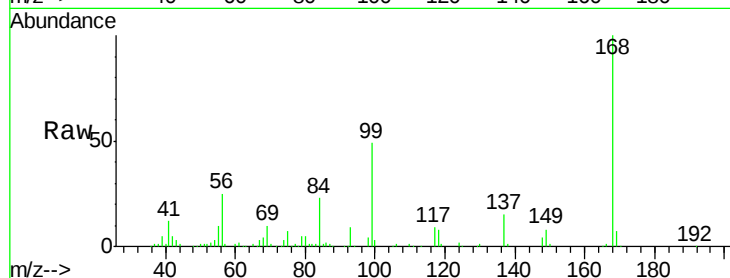
99 48.1 41.6 62.4

Manual Integrations

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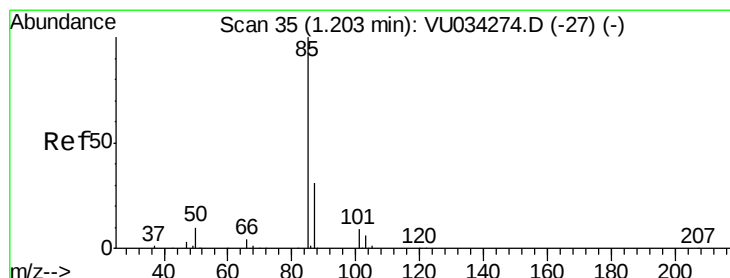
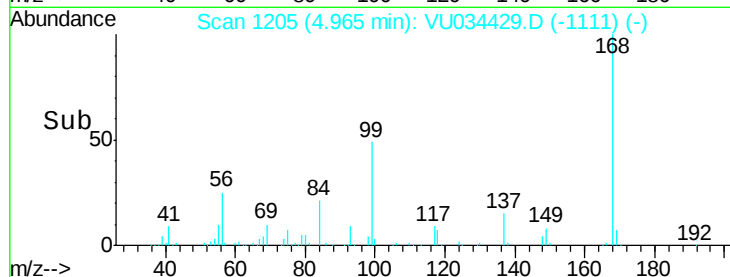
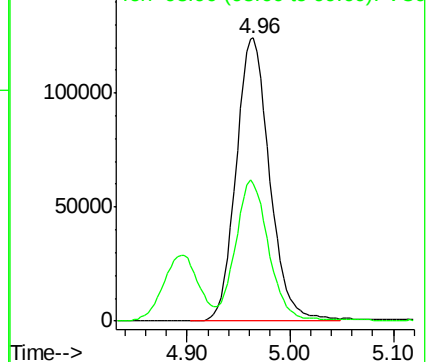
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0



#2

Dichlorodifluoromethane

Concen: 17.708 ug/l

RT: 1.20 min Scan# 35

Delta R.T. 0.00 min

Lab File: VU034429.D

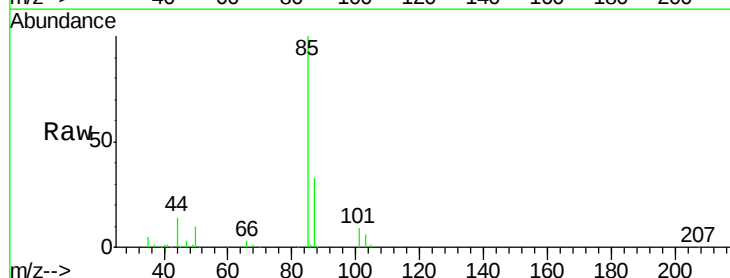
Acq: 09 Sep 2019 13:36

Tgt Ion: 85 Resp: 52098

Ion Ratio Lower Upper

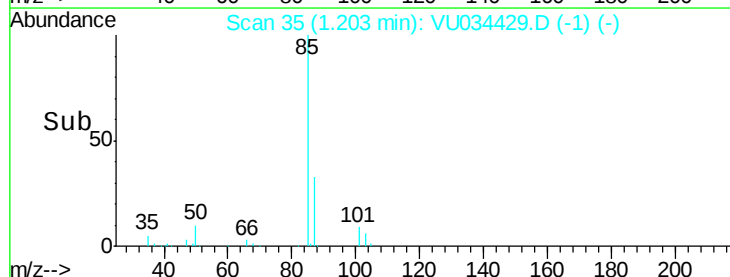
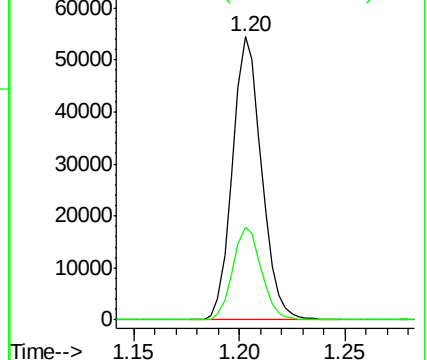
85 100

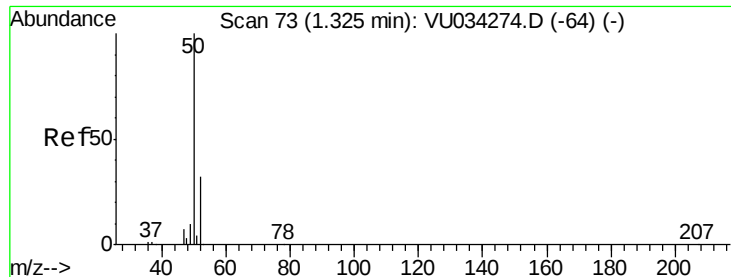
87 32.7 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0





#3

Chloromethane

Concen: 19.176 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 50 Resp: 61118

Ion Ratio Lower Upper

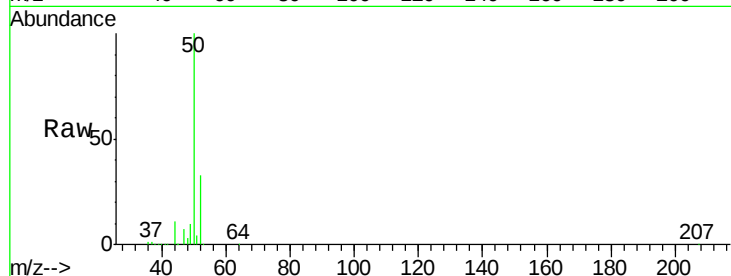
50 100

52 32.7 25.8 38.6

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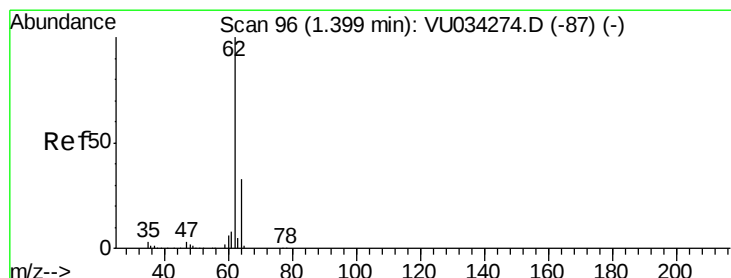
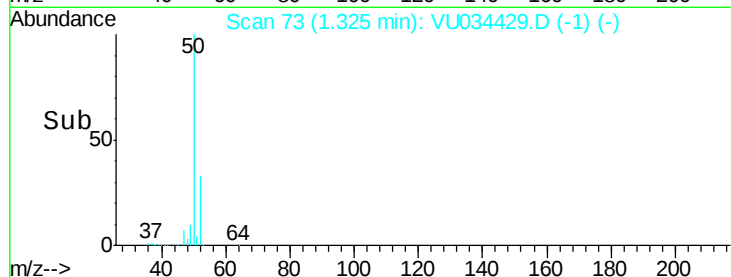
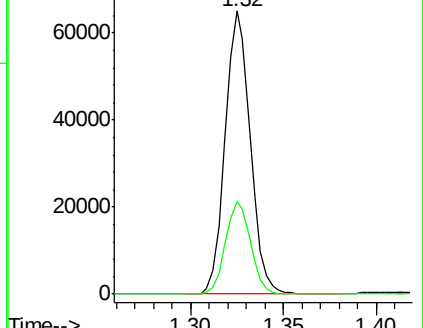
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Abundance Ion 49.90 (49.60 to 50.60): VU034429.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VU034429.D (-1) (-)



#4

Vinyl Chloride

Concen: 17.752 ug/l

RT: 1.40 min Scan# 96

Delta R.T. 0.00 min

Lab File: VU034429.D

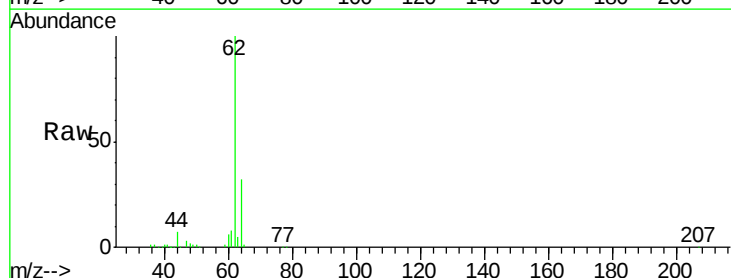
Acq: 09 Sep 2019 13:36

Tgt Ion: 62 Resp: 65081

Ion Ratio Lower Upper

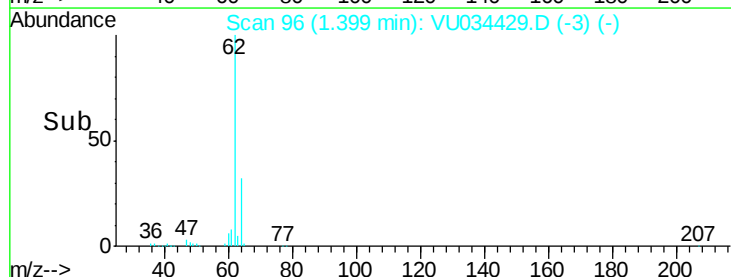
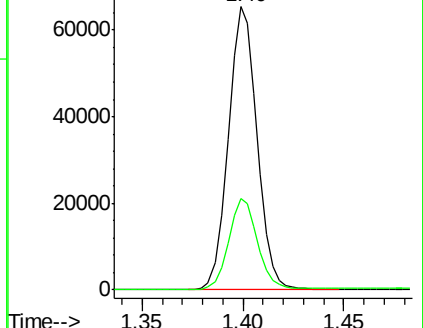
62 100

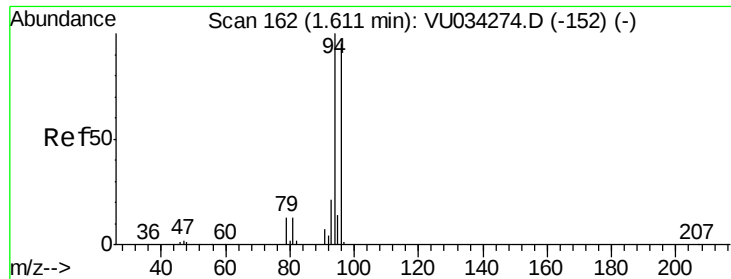
64 32.4 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034429.D (-3) (-)

Ion 63.90 (63.60 to 64.60): VU034429.D (-3) (-)





#5

Bromomethane

Concen: 20.323 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

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VU0909WBSD01

Tot Ion: 94 Resp: 42513

Ion Ratio Lower Upper

94 100

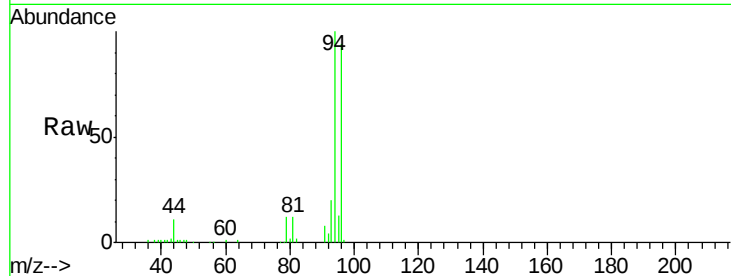
96 93.8 75.7 113.5

Manual Integrations

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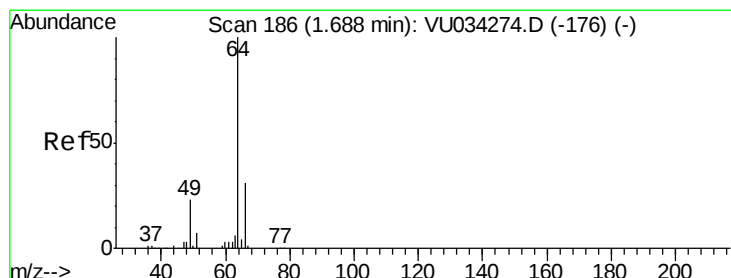
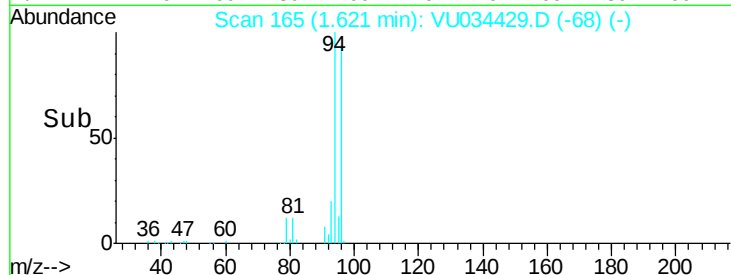
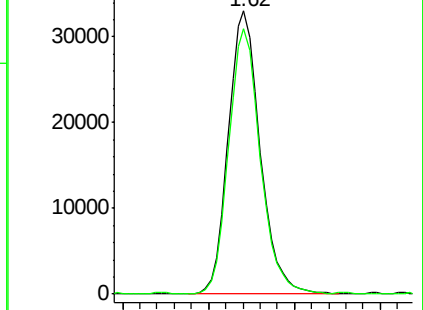
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Abundance Ion 93.90 (93.60 to 94.60): VU034429.D (-162) (-)

Ion 95.90 (95.60 to 96.60): VU034429.D (-162) (-)



#6

Chloroethane

Concen: 19.735 ug/l

RT: 1.69 min Scan# 188

Delta R.T. 0.01 min

Lab File: VU034429.D

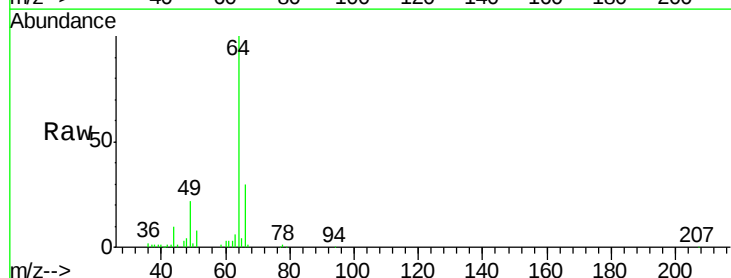
Acq: 09 Sep 2019 13:36

Tgt Ion: 64 Resp: 43344

Ion Ratio Lower Upper

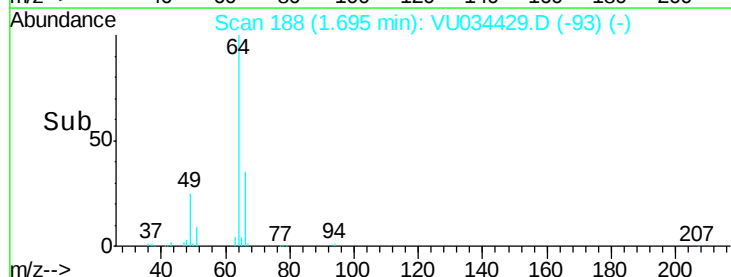
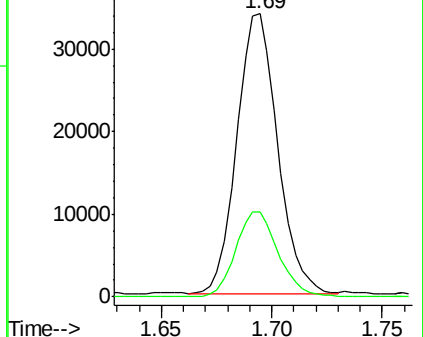
64 100

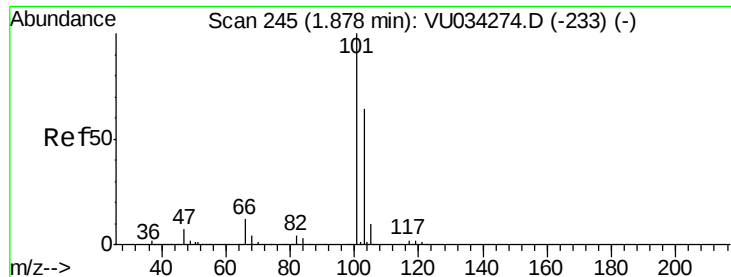
66 30.4 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034429.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VU034429.D (-186) (-)





#7

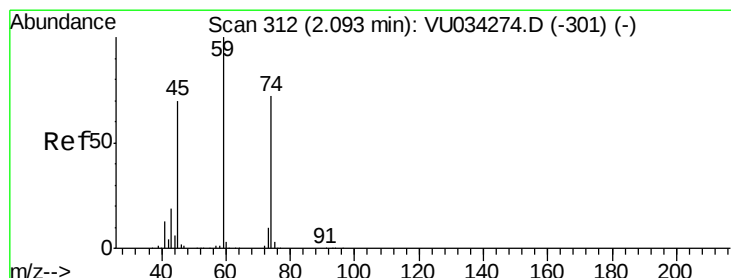
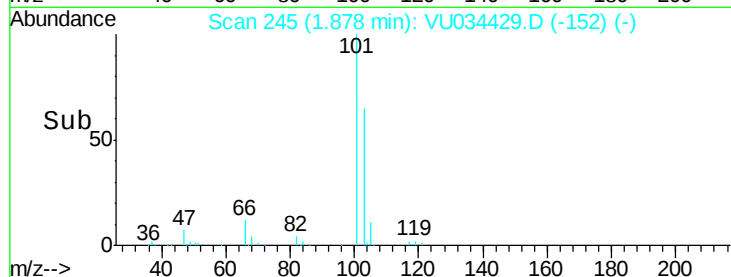
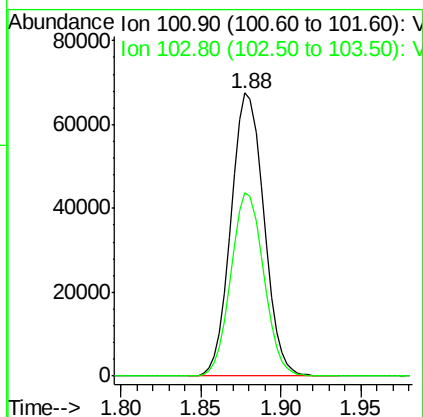
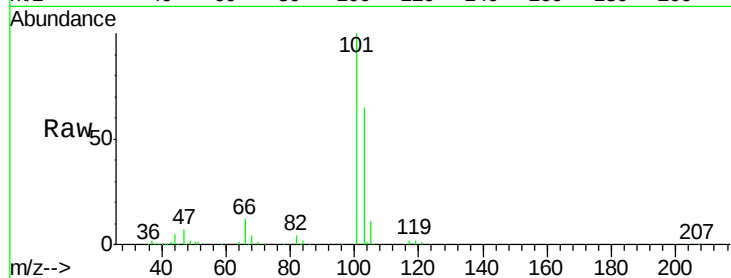
Trichlorofluoromethane
 Concen: 19.249 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. 0.00 min
 Lab File: VU034429.D
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Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.9	51.0	76.6

Manual Integrations
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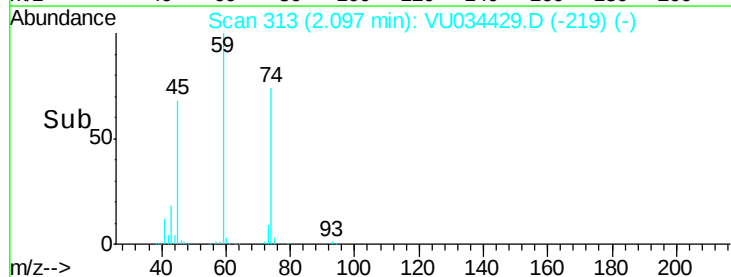
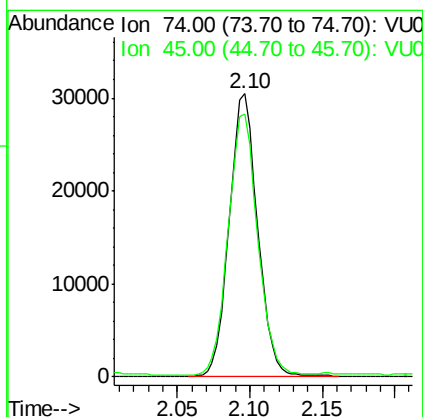
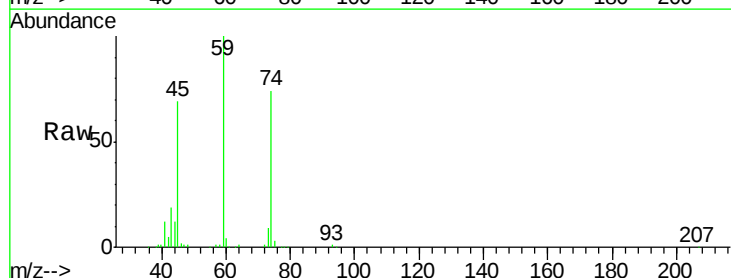
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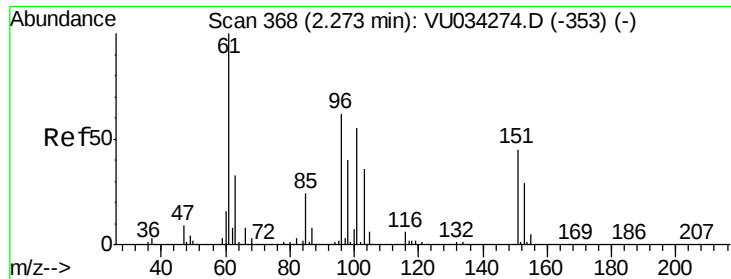


#8

Diethyl Ether
 Concen: 19.189 ug/l
 RT: 2.10 min Scan# 313
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.2	144.6





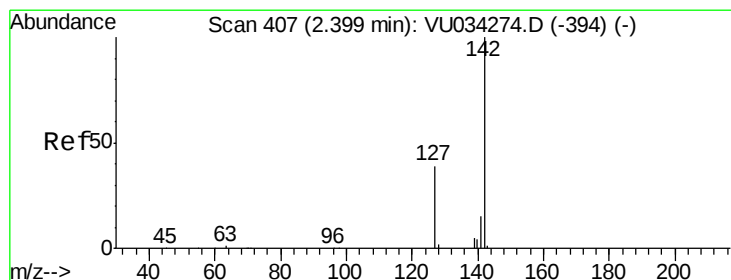
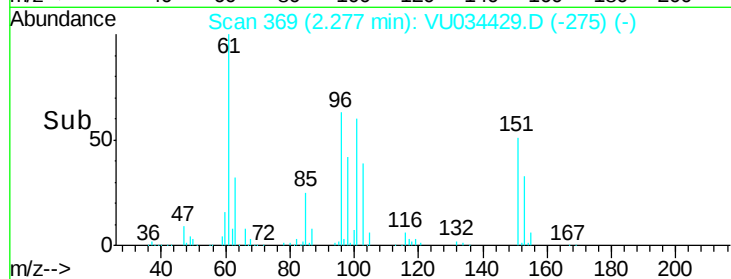
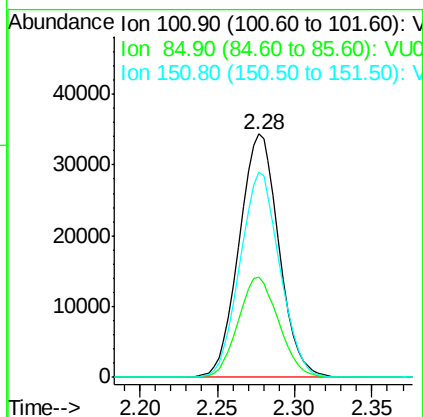
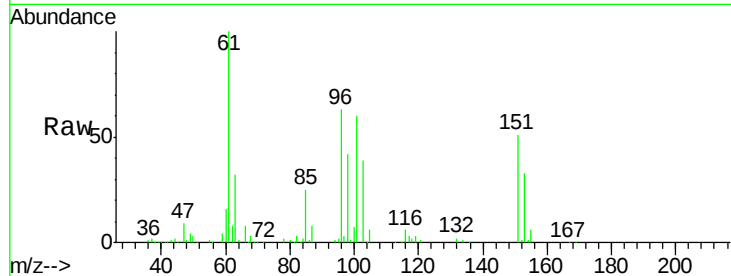
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 18.866 ug/l
 RT: 2.28 min Scan# 369
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
85	42.0	34.4	51.6
151	84.2	64.4	96.6

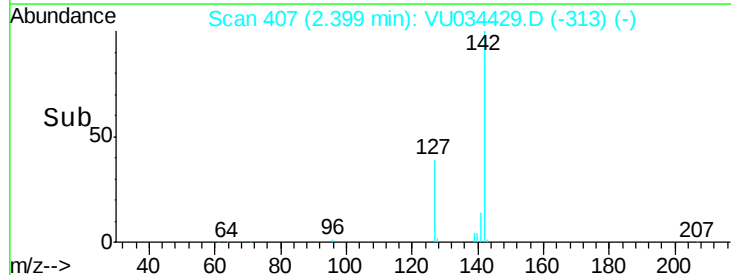
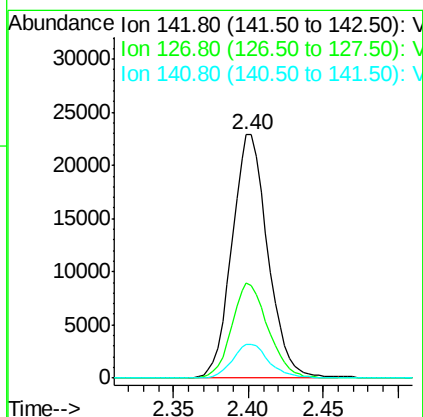
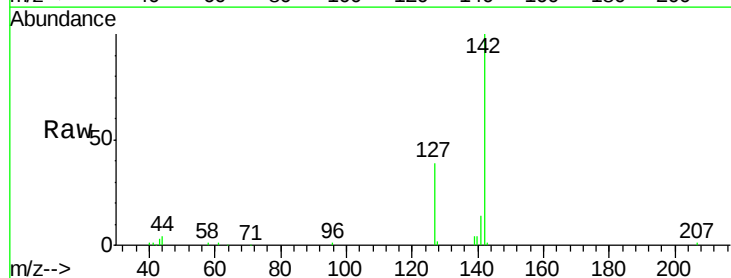
Manual Integrations
 APPROVED

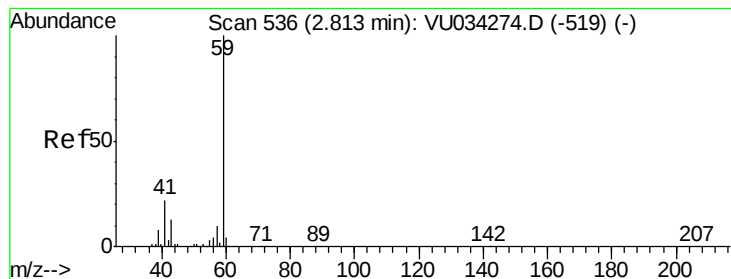
MMDadoda
 9/10/2019 4:17:28 PM



#10
 Methyl Iodide
 Concen: 15.710 ug/l
 RT: 2.40 min Scan# 407
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
142	100		
127	39.2	32.1	48.1
141	14.1	11.5	17.3





#11

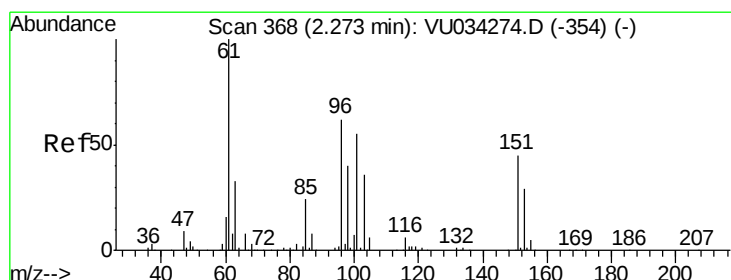
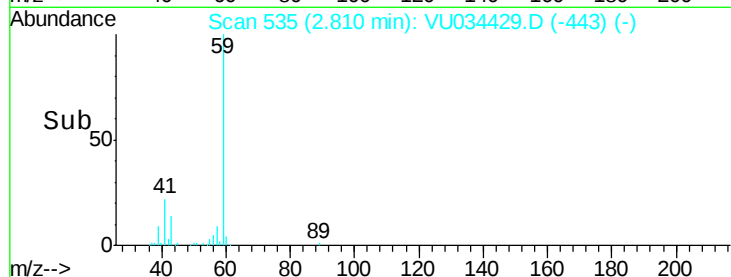
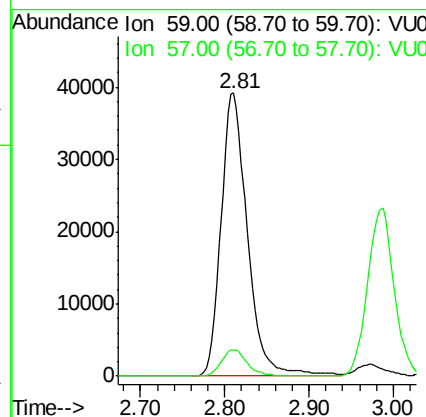
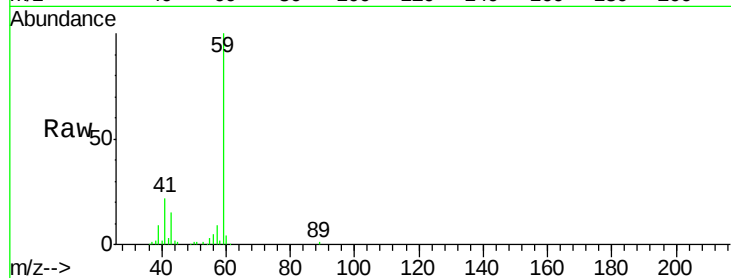
Tert butyl alcohol
 Concen: 94.709 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.9	11.9

Manual Integrations
 APPROVED

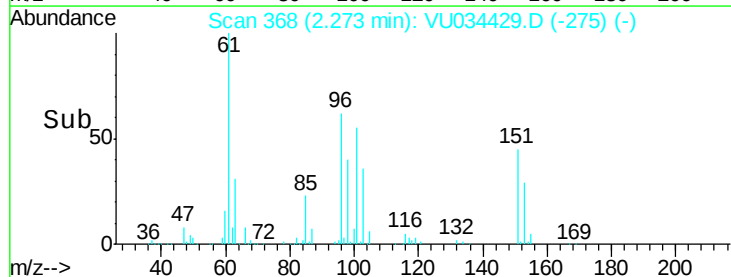
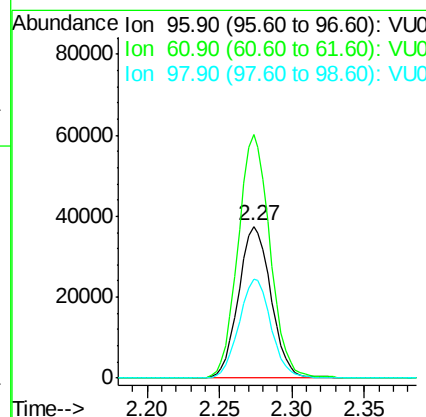
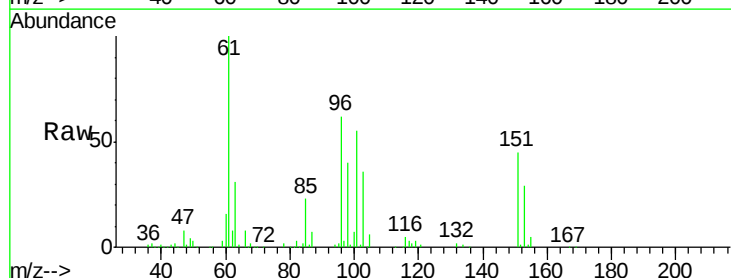
MMDadoda
 9/10/2019 4:17:28 PM

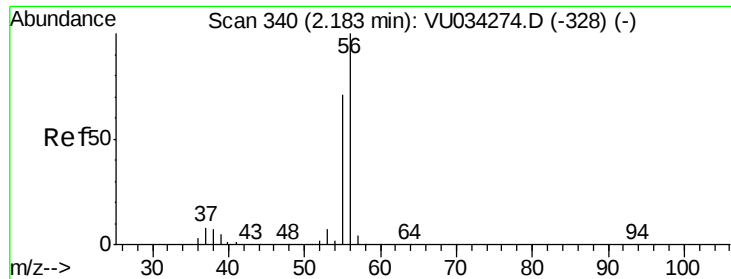


#12

1,1-Dichloroethene
 Concen: 19.126 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.2	130.0	195.0
98	64.8	52.2	78.4





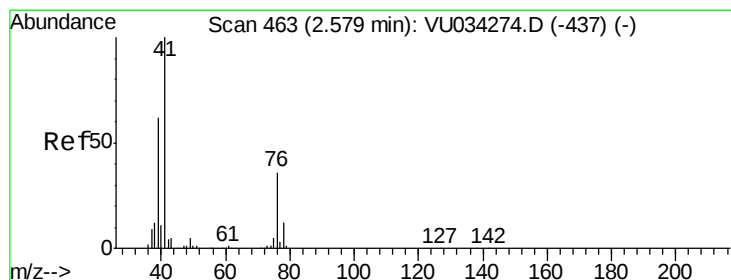
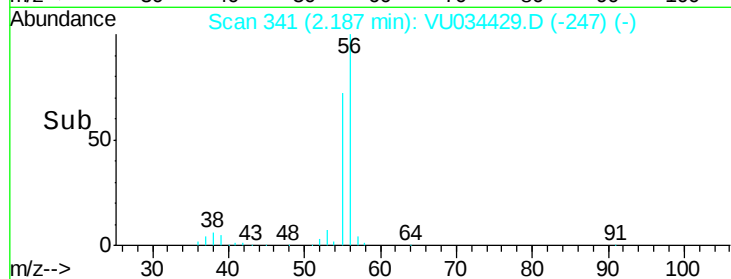
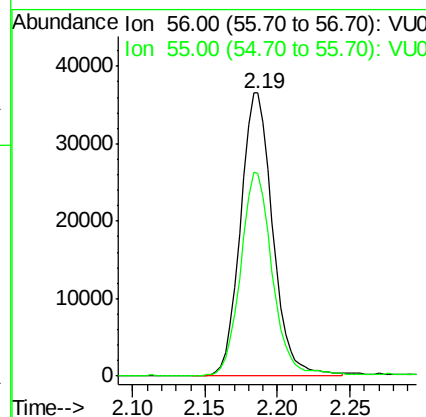
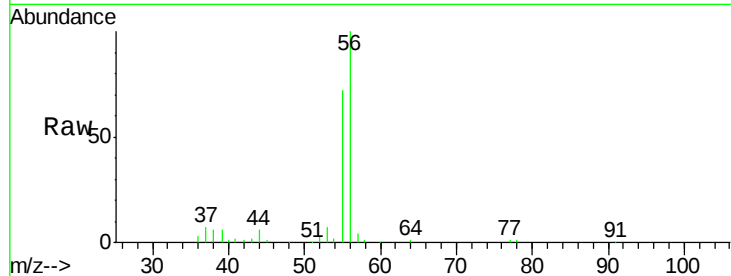
#13
Acrolein
Concen: 74.635 ug/l
RT: 2.19 min Scan# 341
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	56	Resp	56406
Ion Ratio	100	Lower	Upper
55	71.7	57.4	86.2

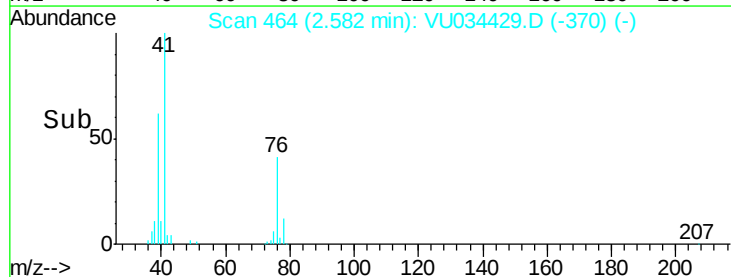
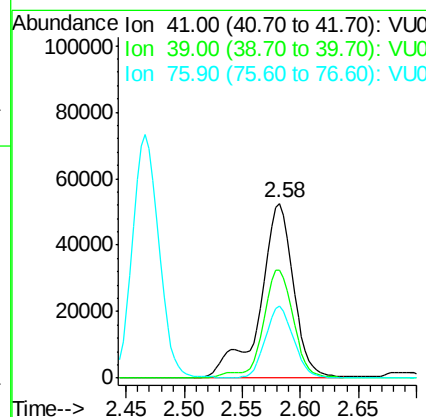
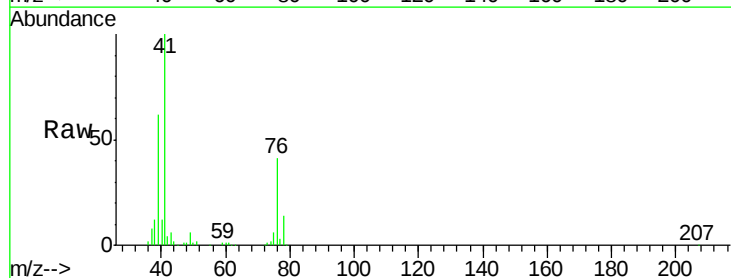
Manual Integrations
APPROVED

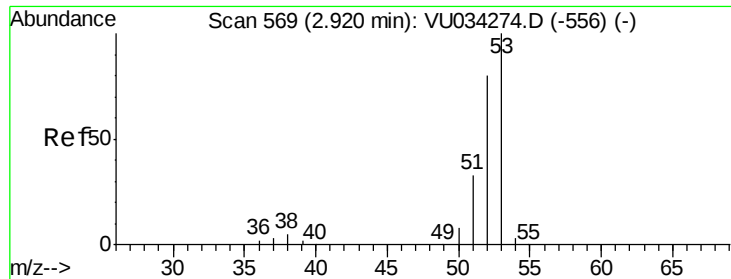
MMDadoda
9/10/2019 4:17:28 PM



#14
Allyl chloride
Concen: 17.851 ug/l m
RT: 2.58 min Scan# 464
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	41	Resp	104451
Ion Ratio	100	Lower	Upper
39	53.9	43.5	65.3
76	34.3	27.0	40.6





#15

Acrylonitrile

Concen: 98.462 ug/l

RT: 2.92 min Scan# 569

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

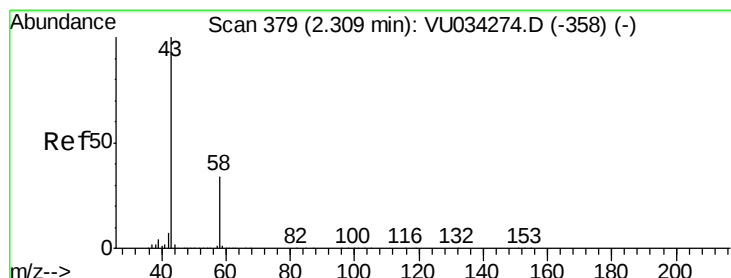
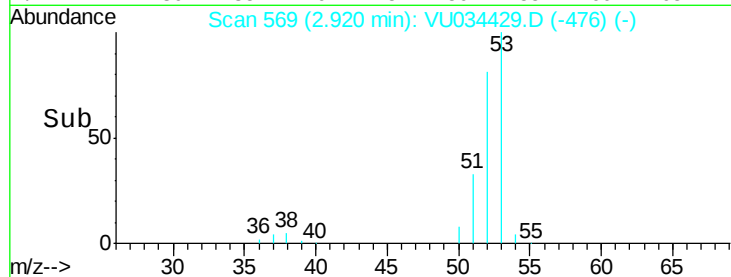
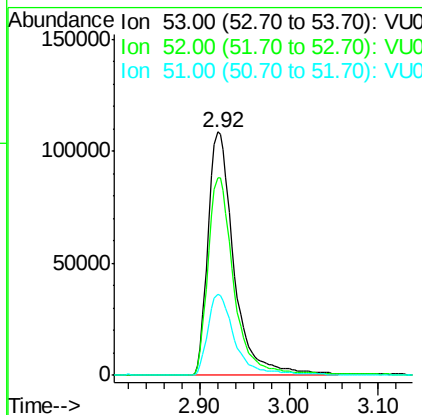
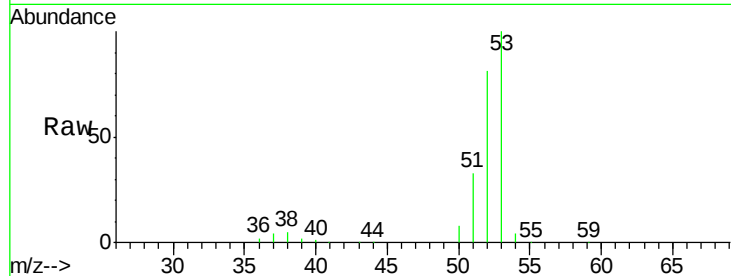
ClientSampled :

VU0909WBSD01

Tot Ion:	53	Resp:	220474
Ion	Ratio	Lower	Upper
53	100		
52	79.4	64.1	96.1
51	32.9	27.4	41.0

Manual Integrations
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9/10/2019 4:17:28 PM



#16

Acetone

Concen: 80.428 ug/l

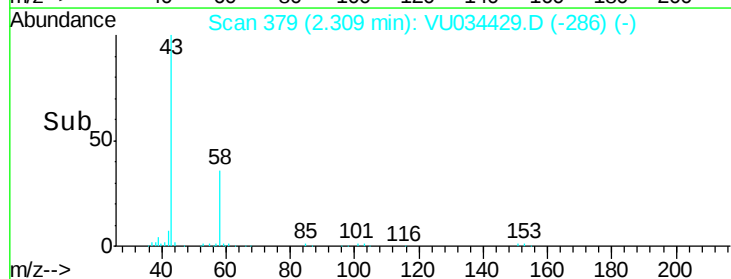
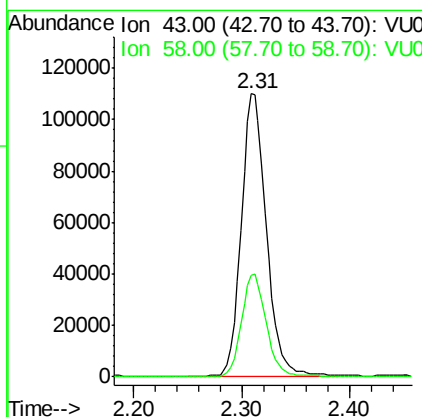
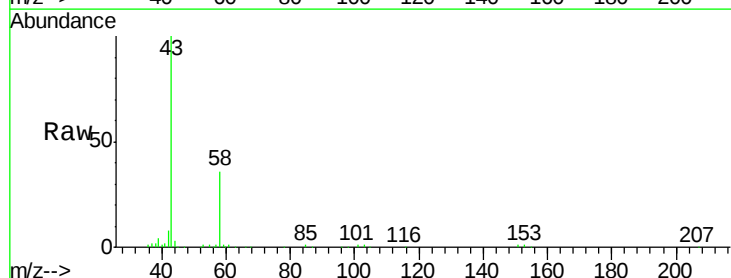
RT: 2.31 min Scan# 379

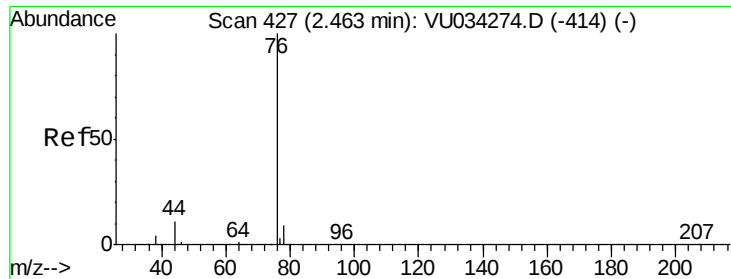
Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Tgt Ion:	43	Resp:	177147
Ion	Ratio	Lower	Upper
43	100		
58	36.2	27.6	41.4





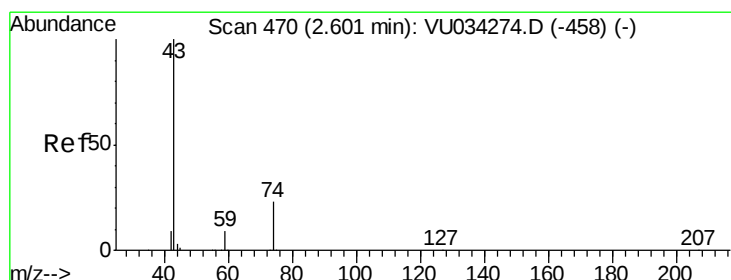
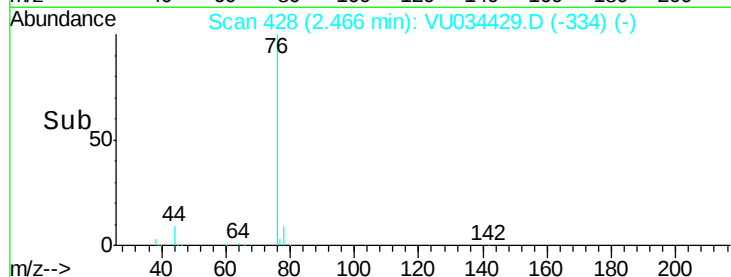
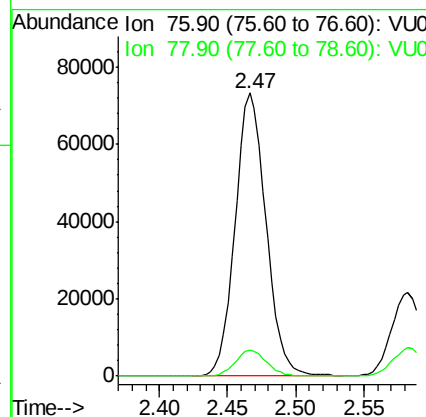
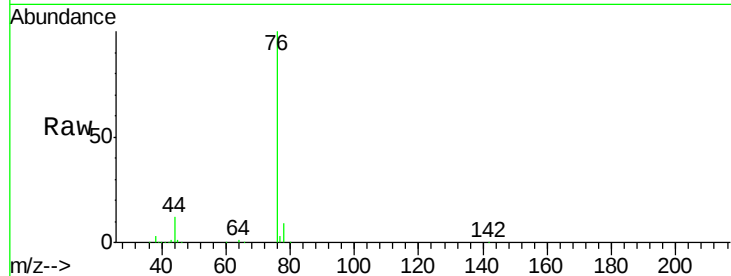
#17
Carbon Disulfide
Concen: 16.764 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

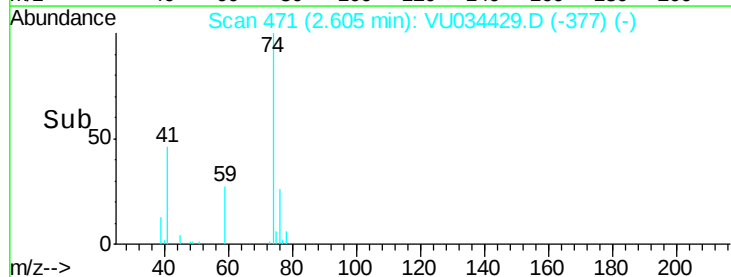
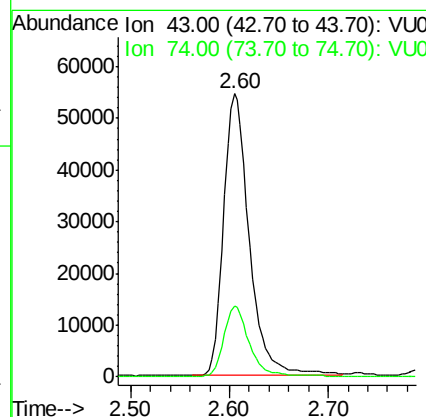
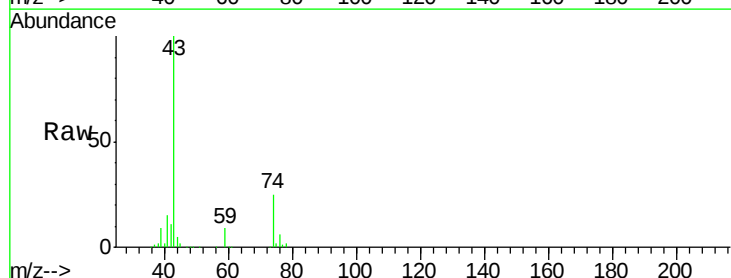
Manual Integrations
APPROVED

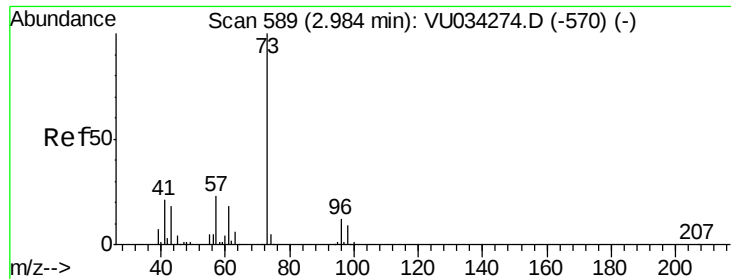
MMDadoda
9/10/2019 4:17:28 PM



#18
Methyl Acetate
Concen: 18.732 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.9	18.9	28.3





#19

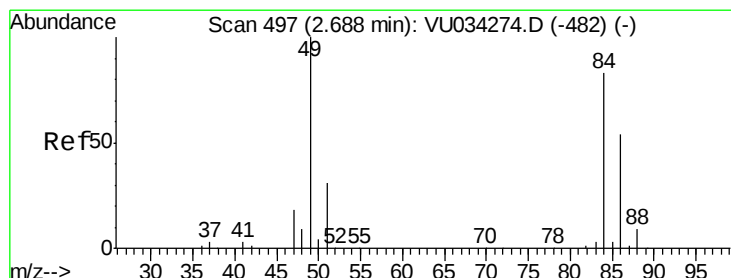
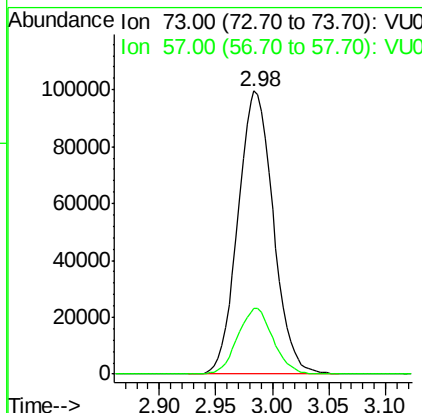
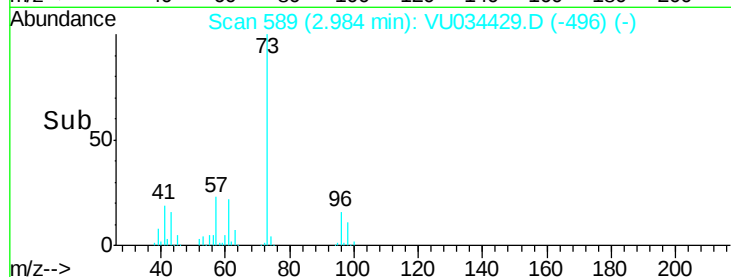
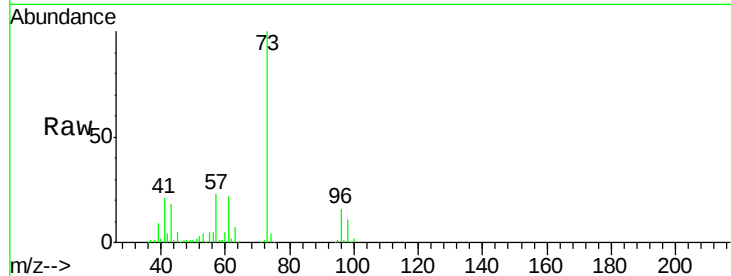
Methvl tert-butvl Ether
 Concen: 19.425 ug/l
 RT: 2.98 min Scan# 589
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.0	18.2	27.4

Manual Integrations
 APPROVED

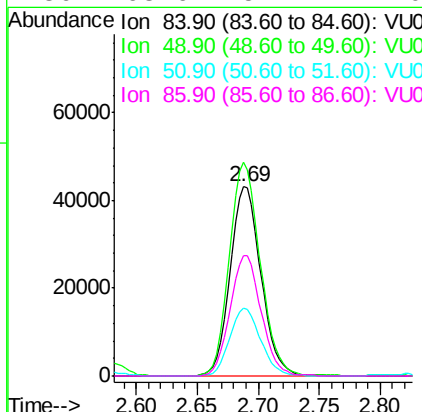
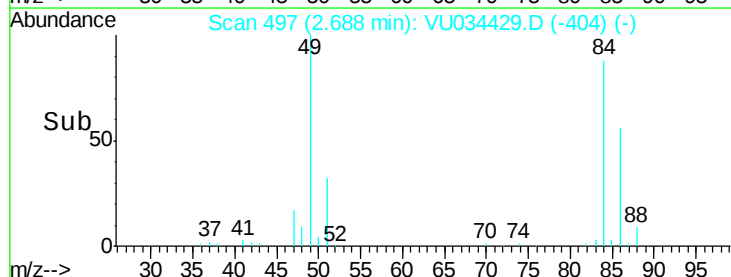
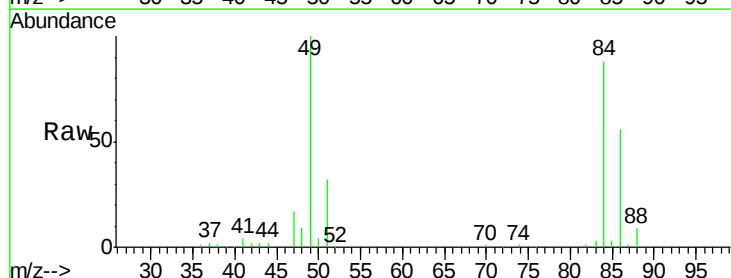
MMDadoda
 9/10/2019 4:17:28 PM

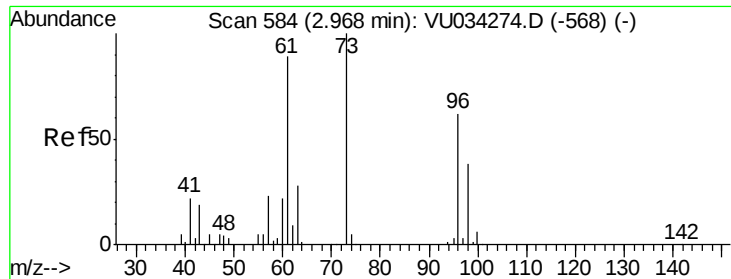


#20

Methylene Chloride
 Concen: 20.837 ug/l
 RT: 2.69 min Scan# 497
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	113.0	96.0	144.0
51	35.7	30.0	45.0
86	63.6	51.4	77.0





#21

trans-1,2-Dichloroethene

Concen: 18.576 ug/l

RT: 2.97 min Scan# 585

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 96 Resp: 59914

Ion Ratio Lower Upper

96 100

61 137.3 114.8 172.2

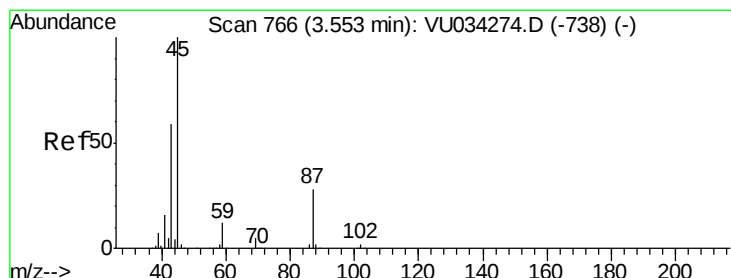
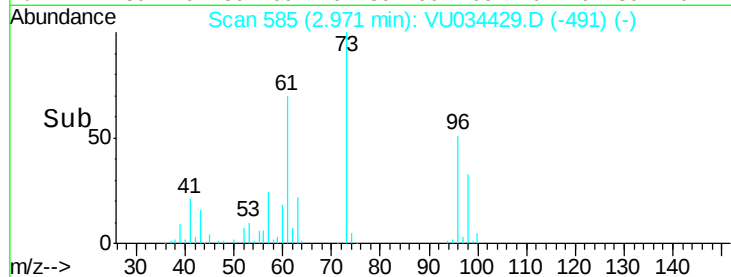
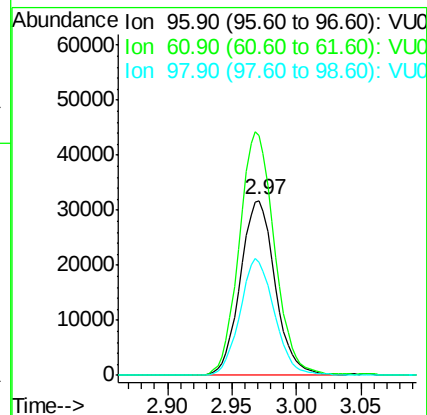
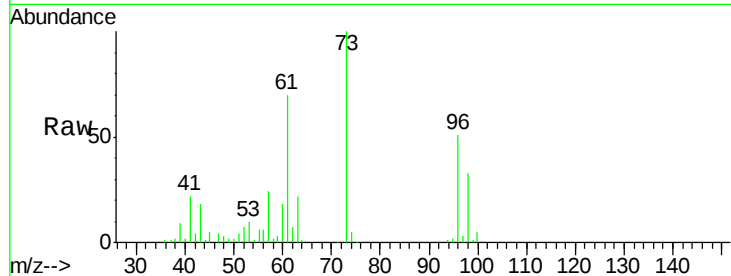
98 64.8 49.8 74.8

Manual Integrations

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#22

Diisopropyl ether

Concen: 19.698 ug/l

RT: 3.55 min Scan# 766

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Tgt Ion: 45 Resp: 224767

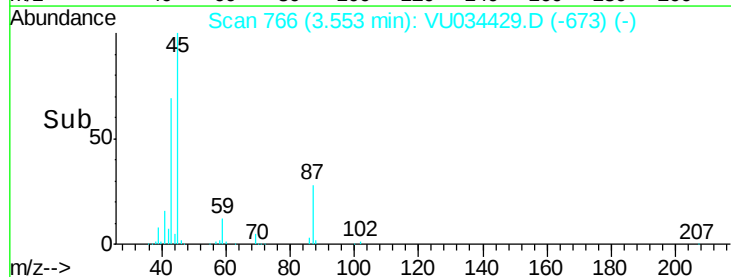
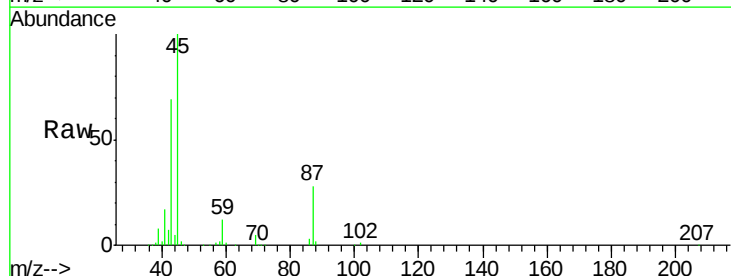
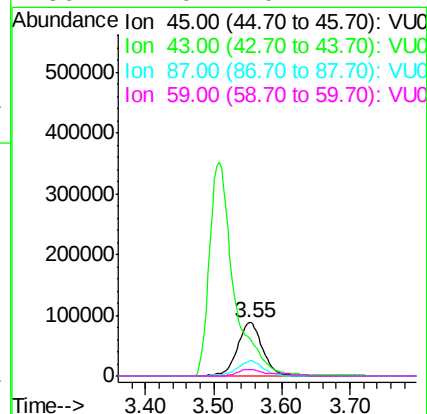
Ion Ratio Lower Upper

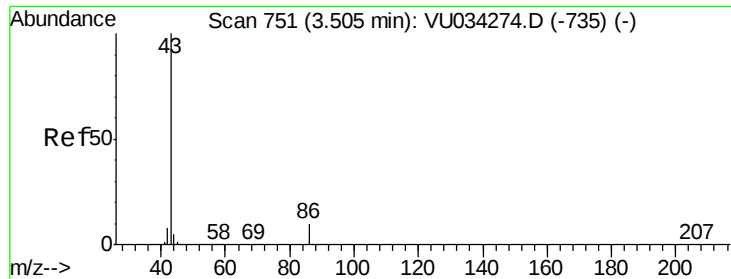
45 100

43 68.7 47.5 71.3

87 28.1 22.2 33.4

59 12.0 9.4 14.2





#23

Vinyl Acetate

Concen: 94.555 ug/l

RT: 3.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 43 Resp: 878870

Ion Ratio Lower Upper

43 100

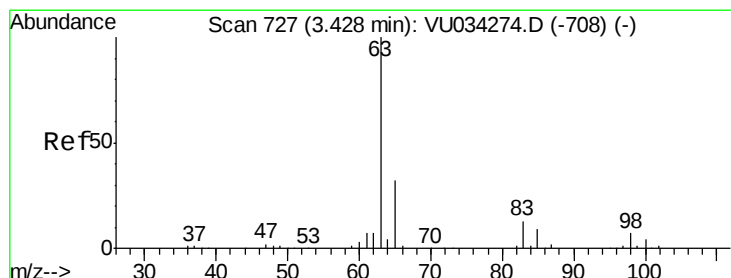
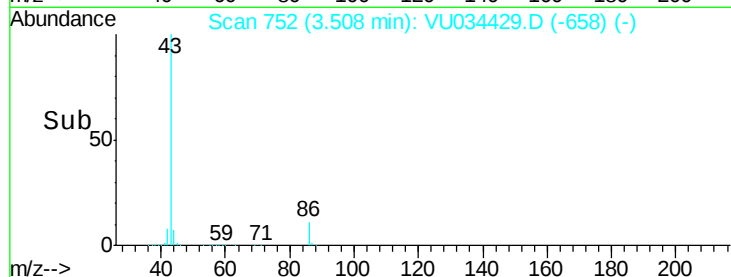
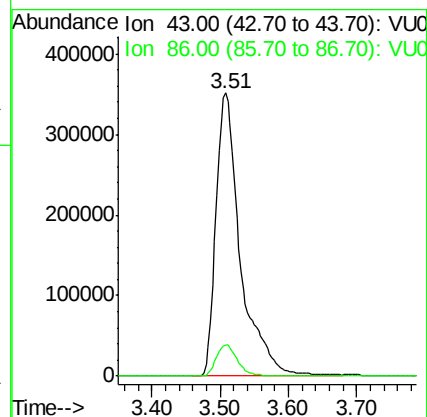
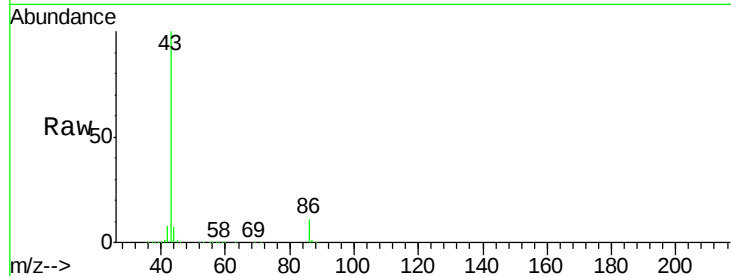
86 11.0 8.3 12.5

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 19.189 ug/l

RT: 3.43 min Scan# 727

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

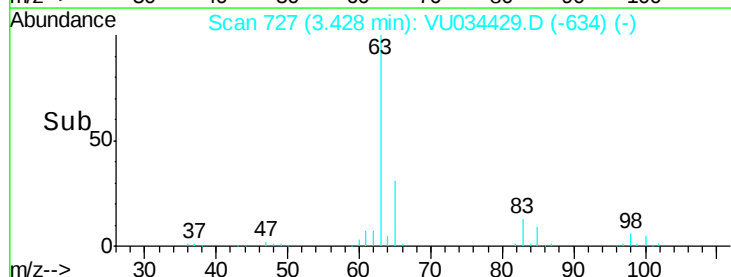
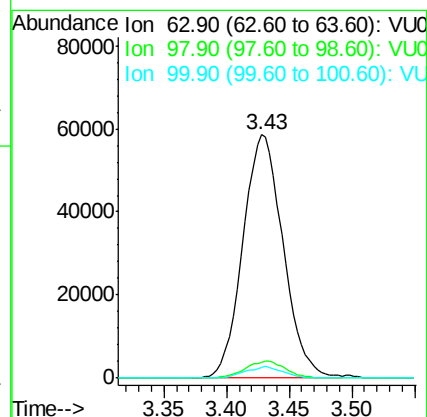
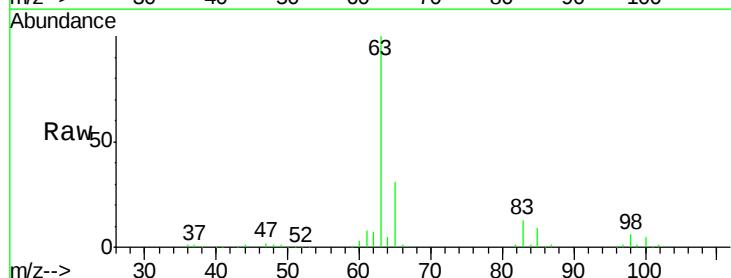
Tgt Ion: 63 Resp: 130761

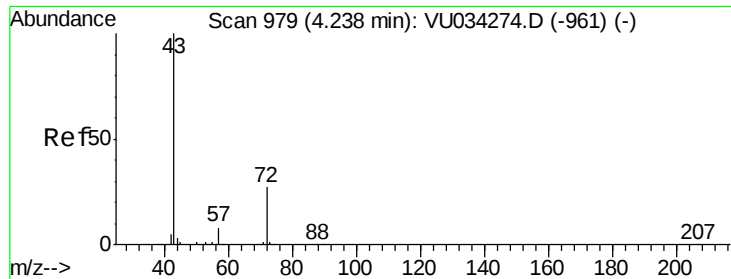
Ion Ratio Lower Upper

63 100

98 6.5 3.5 10.4

100 4.6 2.1 6.5





#25

2-Butanone

Concen: 93.877 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 43 Resp: 276011

Ion Ratio Lower Upper

43 100

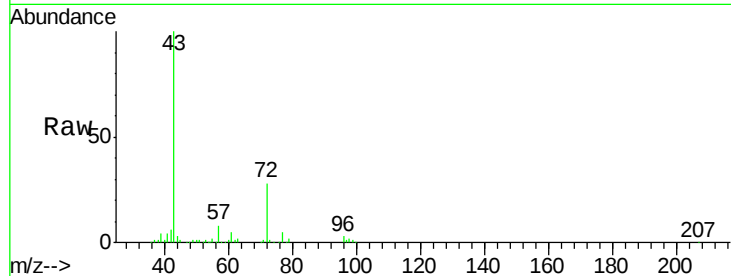
72 27.9 21.8 32.6

Manual Integrations

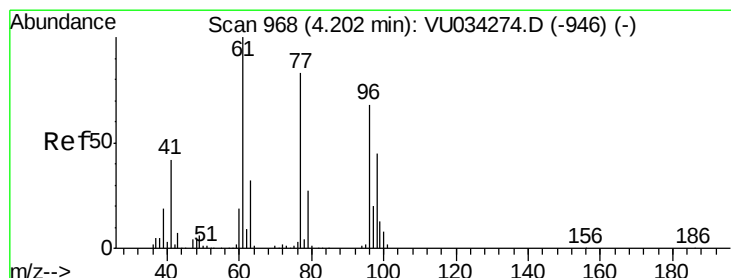
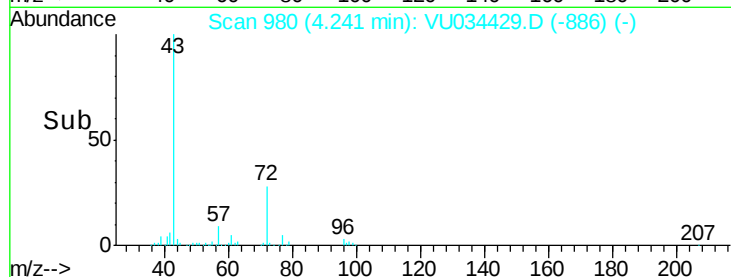
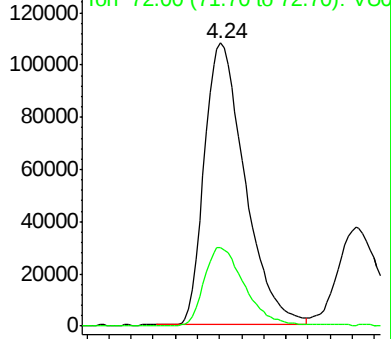
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Abundance Ion 43.00 (42.70 to 43.70): VU034429.D (-961) (-)



#26

2,2-Dichloropropane

Concen: 17.924 ug/l

RT: 4.20 min Scan# 968

Delta R.T. 0.00 min

Lab File: VU034429.D

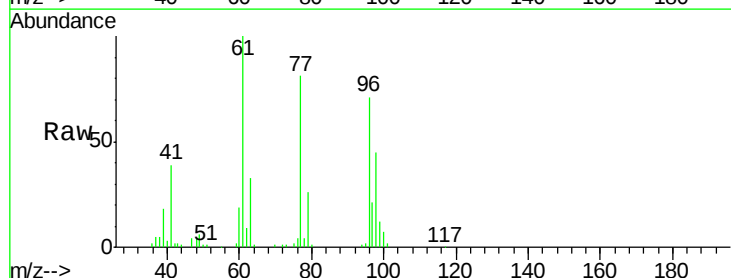
Acq: 09 Sep 2019 13:36

Tgt Ion: 77 Resp: 98238

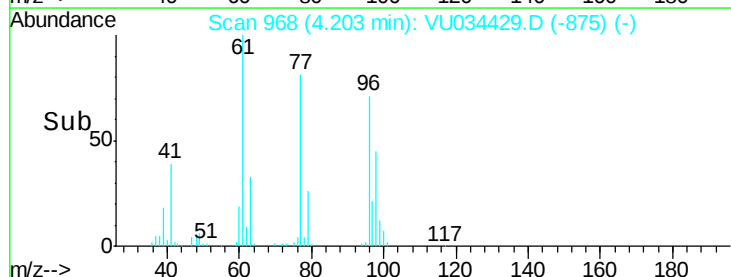
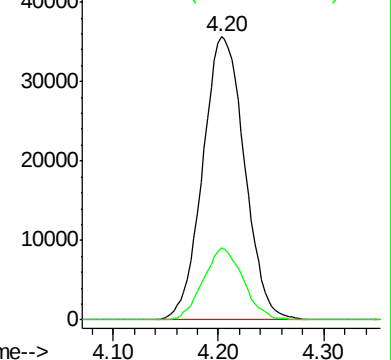
Ion Ratio Lower Upper

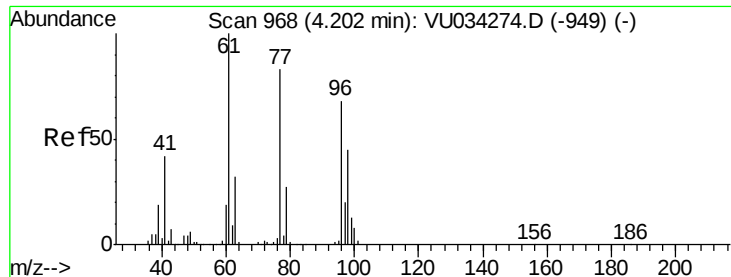
77 100

97 24.2 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU034429.D (-946) (-)





#27

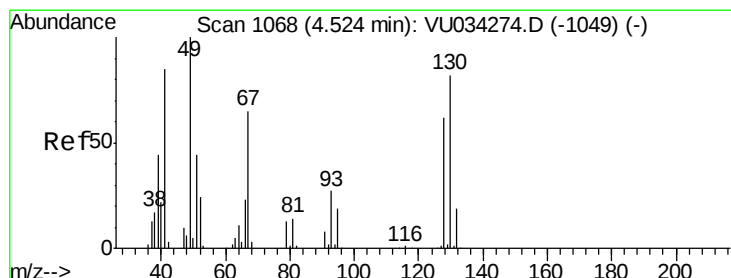
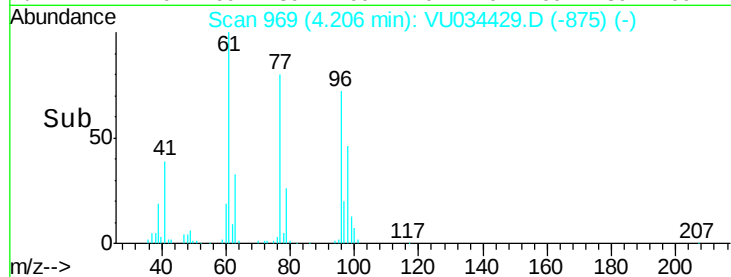
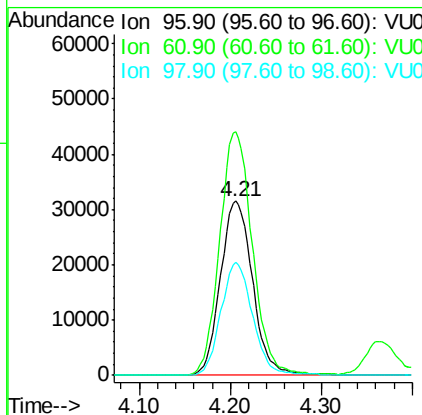
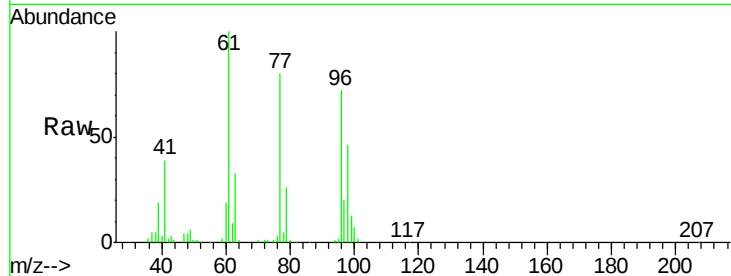
cis-1,2-Dichloroethene
 Concen: 19.833 ug/l
 RT: 4.21 min Scan# 969
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.6	0.0	297.4
98	63.9	0.0	130.0

Manual Integrations
 APPROVED

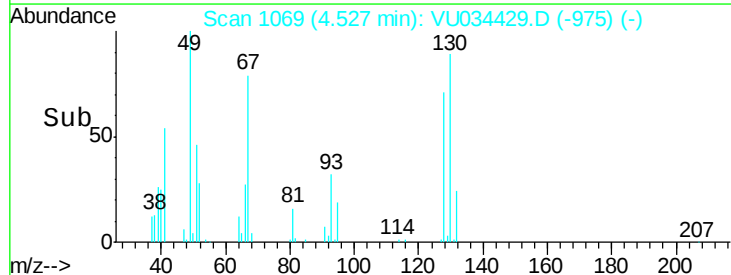
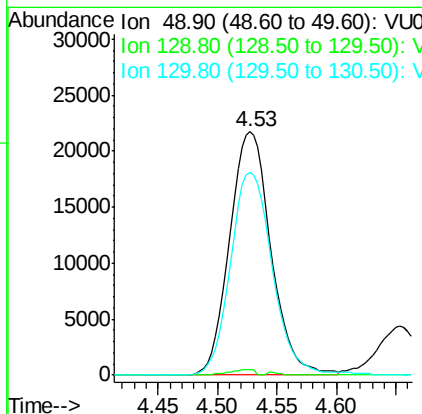
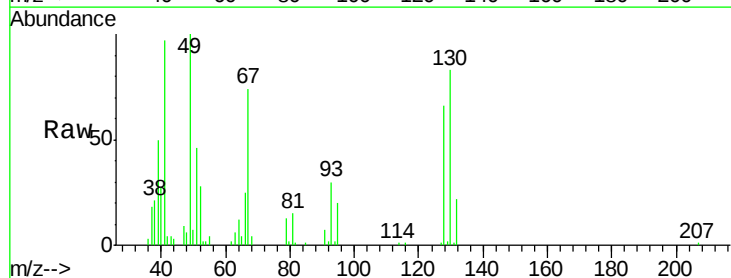
MMDadoda
 9/10/2019 4:17:28 PM

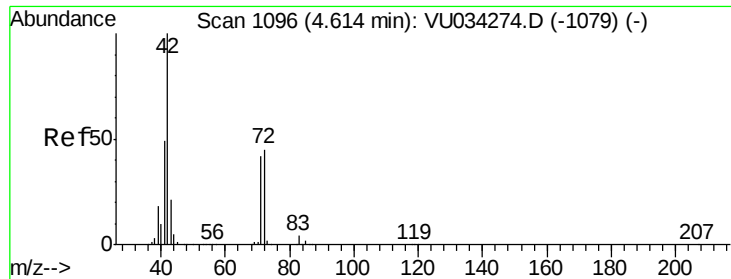


#28

Bromochloromethane
 Concen: 16.687 ug/l
 RT: 4.53 min Scan# 1069
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	3.8
130	84.3	65.2	97.8





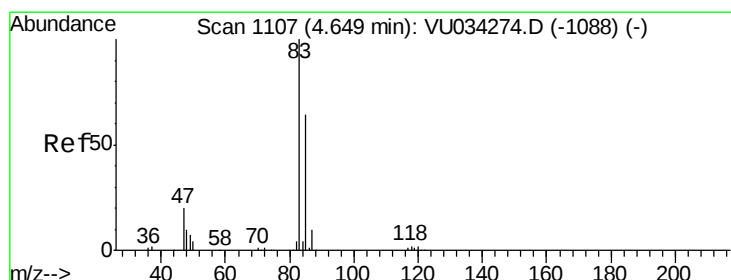
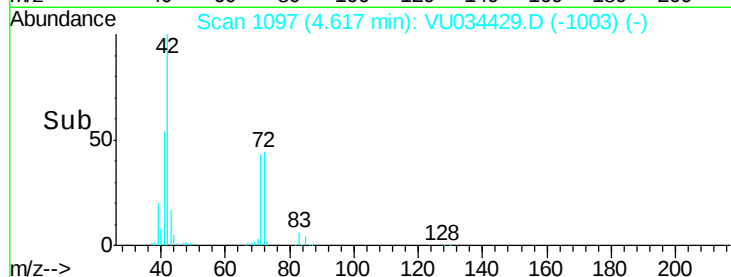
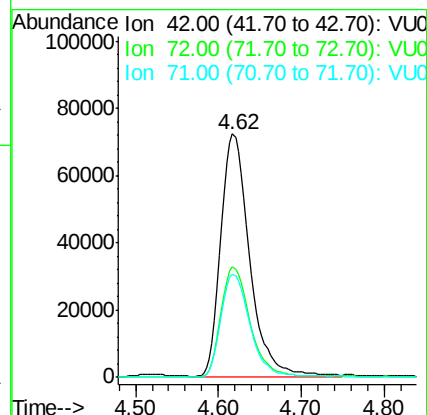
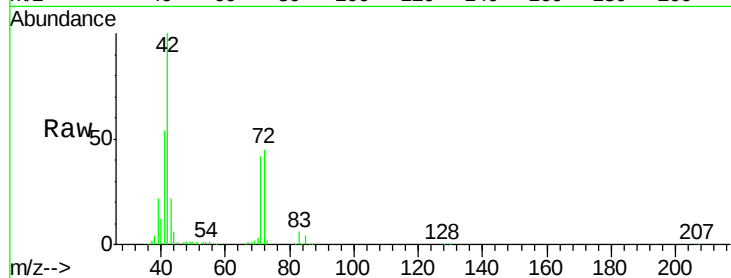
#29
Tetrahydrofuran
Concen: 97.614 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.1	36.6	54.8
71	42.9	34.3	51.5

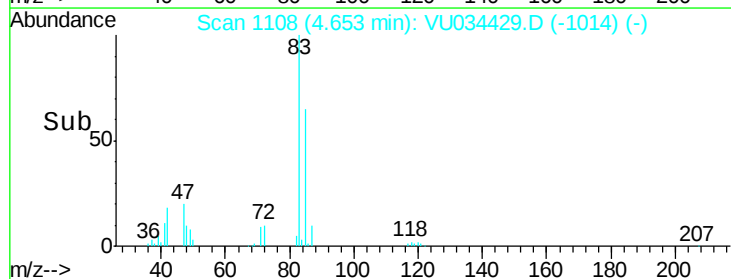
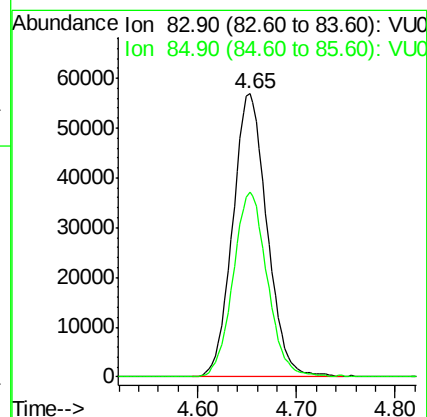
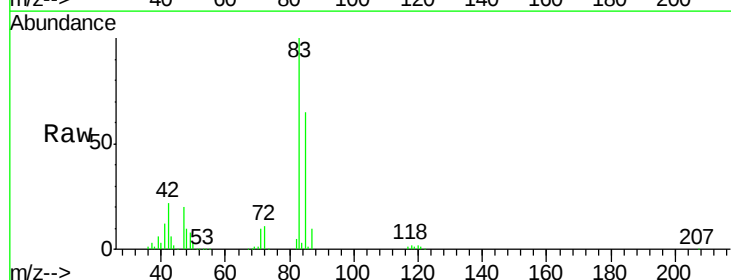
Manual Integrations
APPROVED

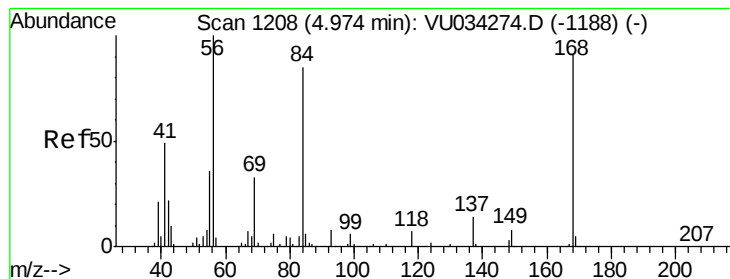
MMDadoda
9/10/2019 4:17:28 PM



#30
Chloroform
Concen: 19.885 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.5	77.3





#31

Cyclohexane

Concen: 18.014 ug/l

RT: 4.97 min Scan# 1208

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

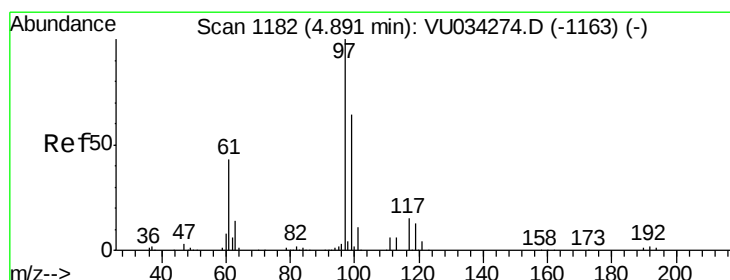
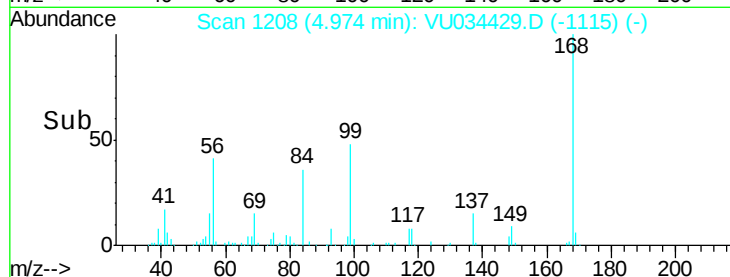
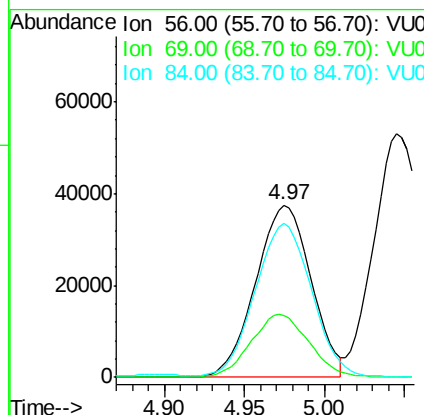
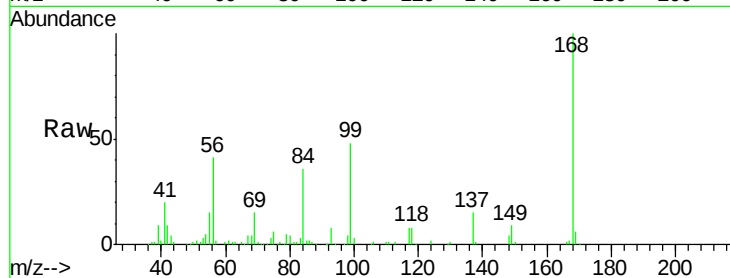
ClientSampleId :

VU0909WBSD01

Tot Ion:	56	Resp:	89805
Ion Ratio	Lower	Upper	
56	100		
69	36.0	26.7	40.1
84	88.2	68.2	102.4

Manual Integrations
APPROVED

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#32

1,1,1-Trichloroethane

Concen: 19.820 ug/l

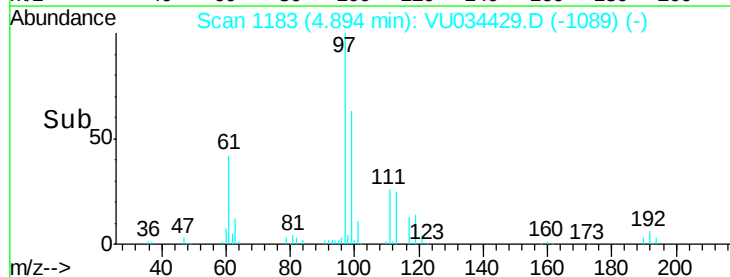
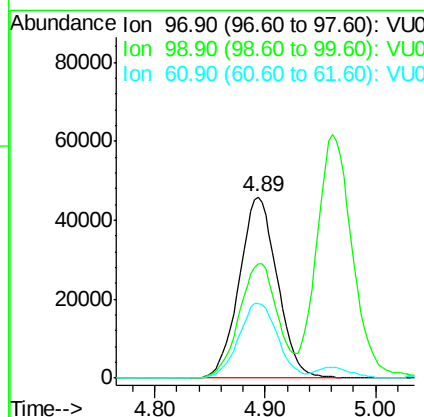
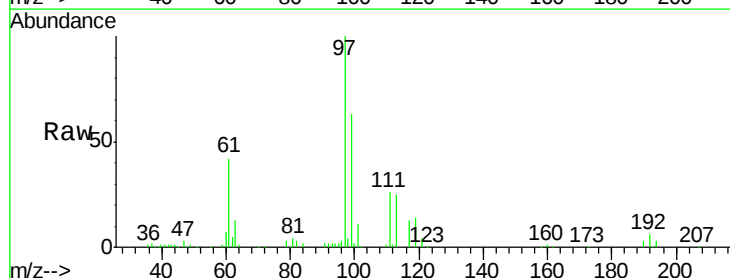
RT: 4.89 min Scan# 1183

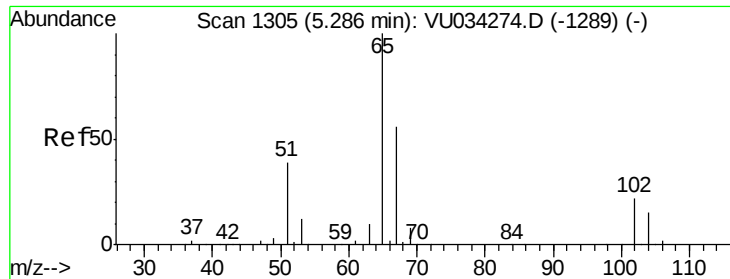
Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Tgt Ion:	97	Resp:	109766
Ion Ratio	Lower	Upper	
97	100		
99	63.4	50.9	76.3
61	42.0	34.7	52.1





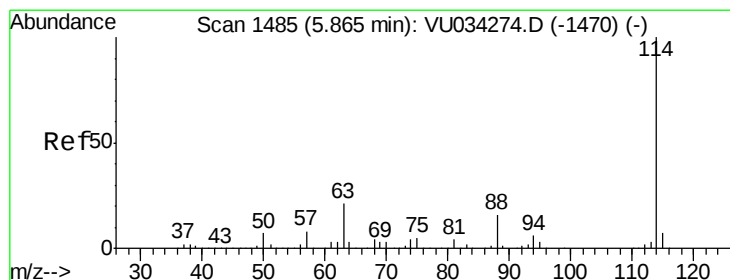
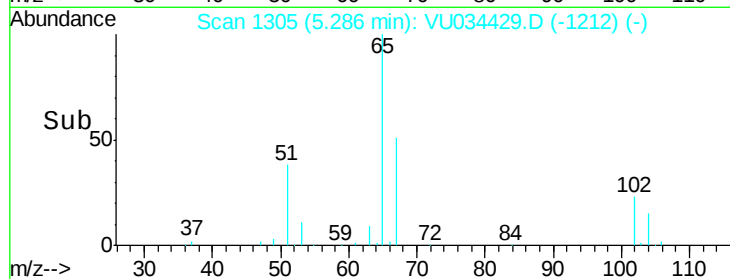
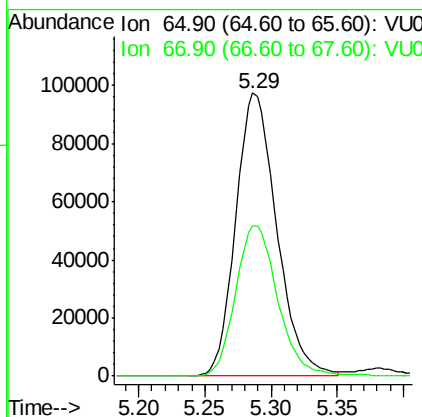
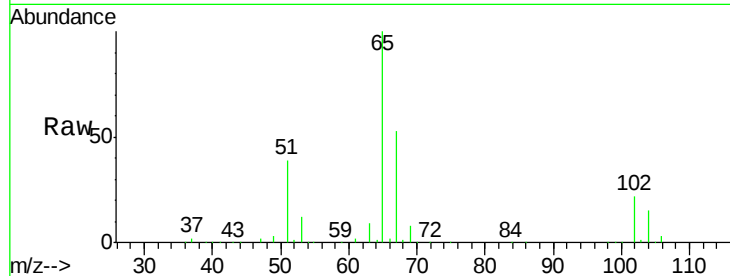
#33
 1,2-Dichloroethane-d4
 Concen: 49.227 ug/l
 RT: 5.29 min Scan# 1305
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209521		
67	54.9	0.0	112.4	

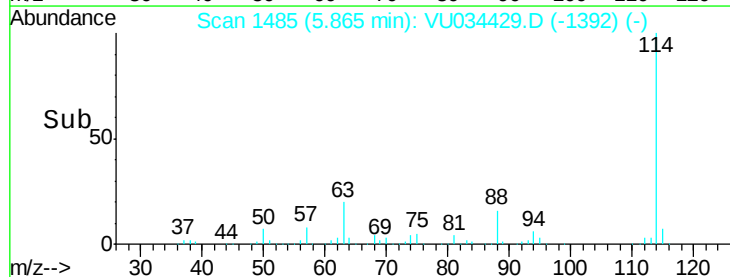
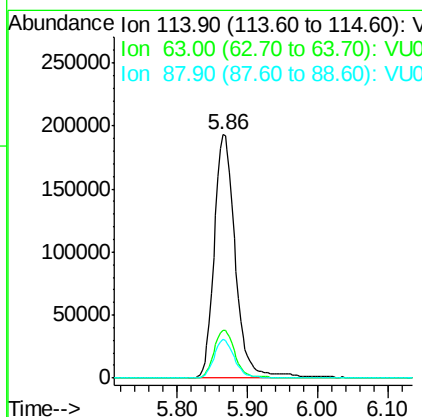
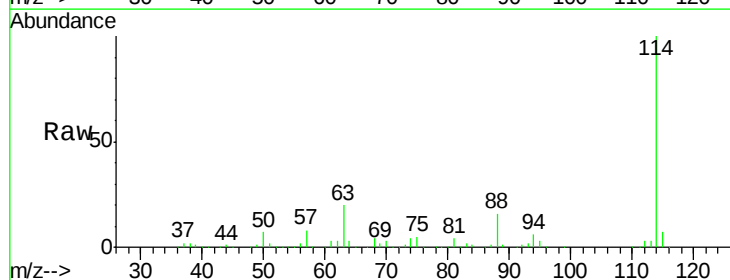
Manual Integrations
 APPROVED

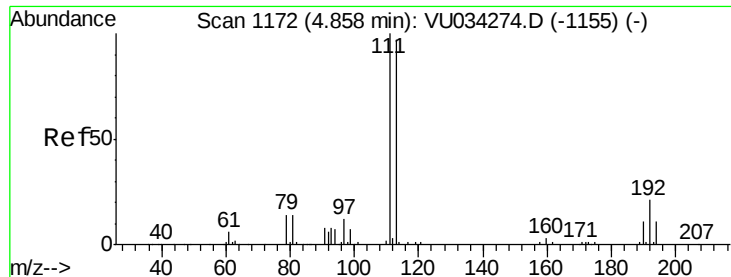
MMDadoda
 9/10/2019 4:17:28 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	403767		
63	19.6	0.0	42.4	
88	15.7	0.0	32.4	





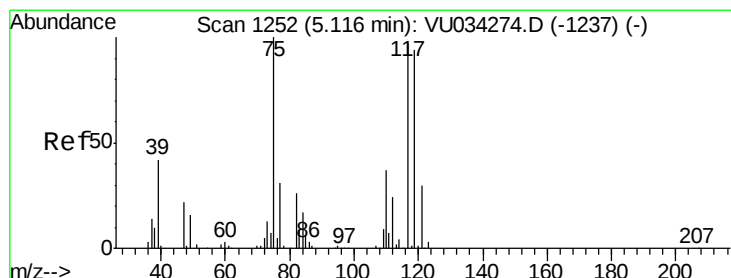
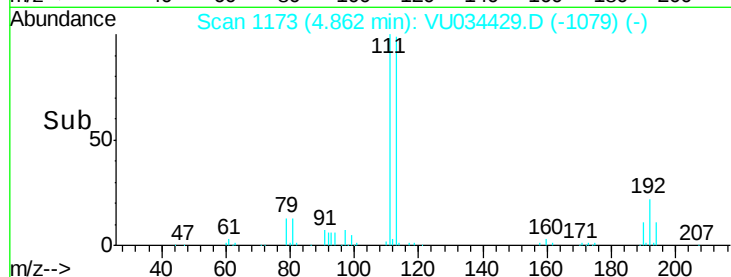
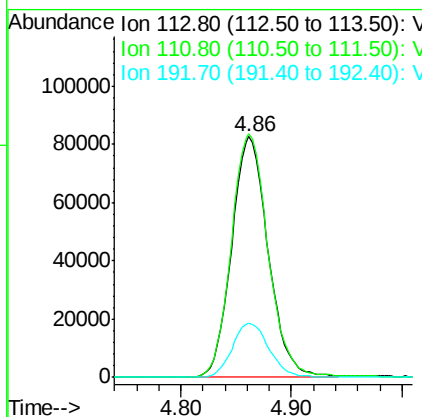
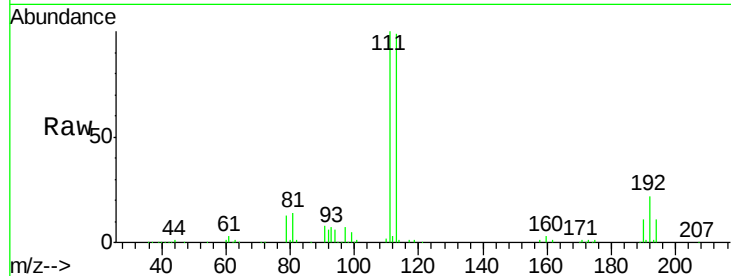
#35
 Dibromofluoromethane
 Concen: 50.415 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189414		
111	102.0	81.5	122.3	
192	22.8	17.8	26.8	

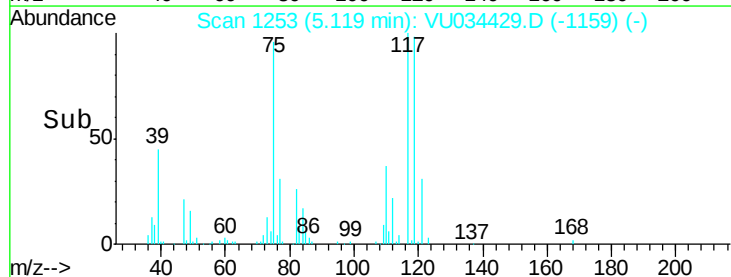
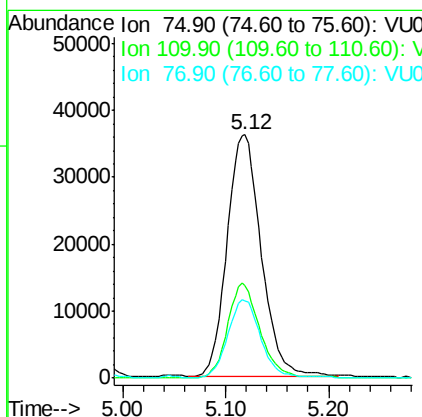
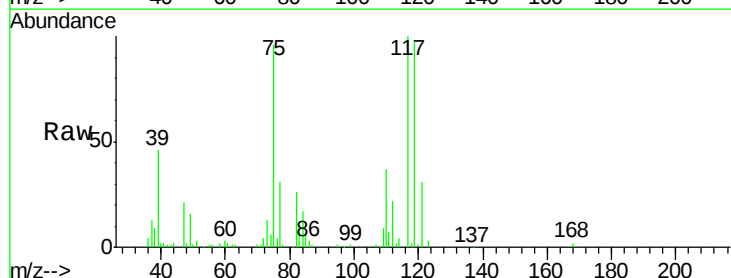
Manual Integrations
 APPROVED

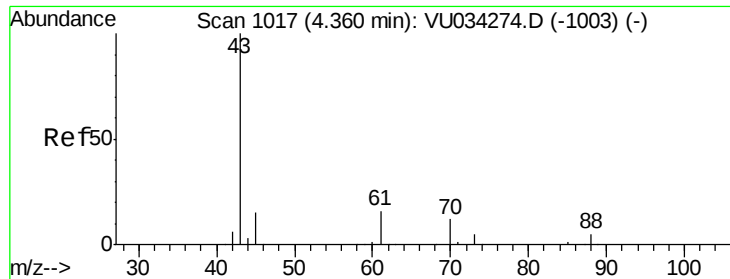
MMDadoda
 9/10/2019 4:17:28 PM



#36
 1,1-Dichloropropene
 Concen: 19.003 ug/l
 RT: 5.12 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	83211		
110	37.1	18.3	54.9	
77	31.3	24.9	37.3	





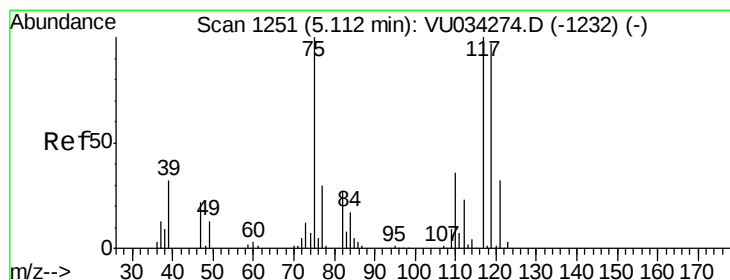
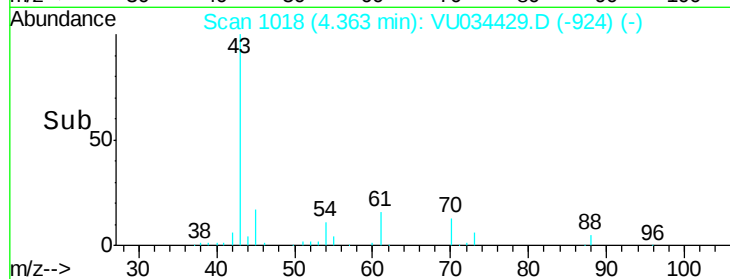
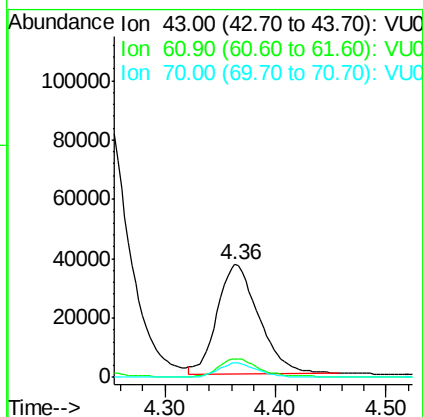
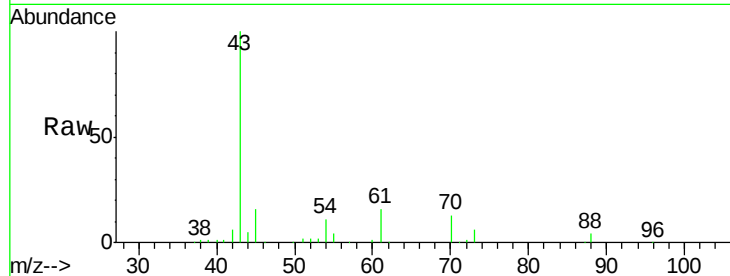
#37
Ethyl Acetate
Concen: 18.721 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampled :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.3	18.5
70	12.0	9.1	13.7

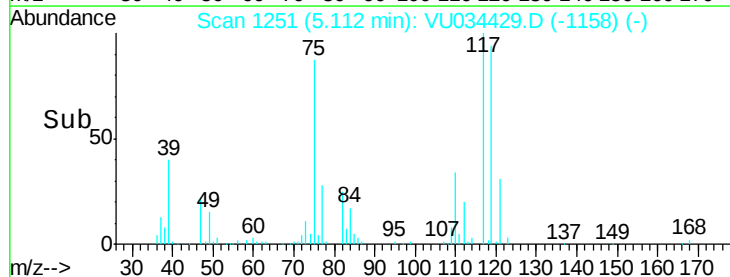
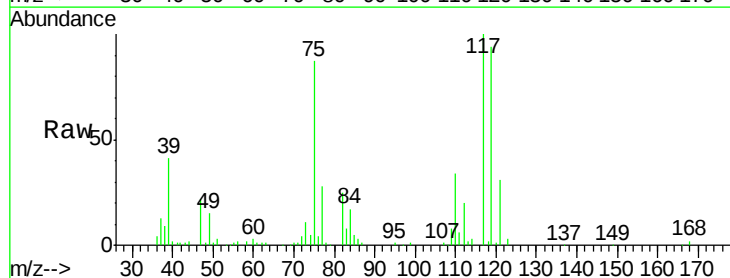
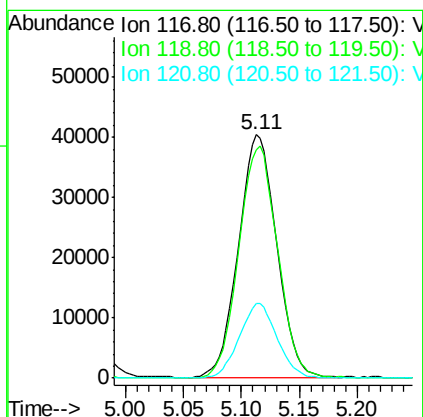
Manual Integrations
APPROVED

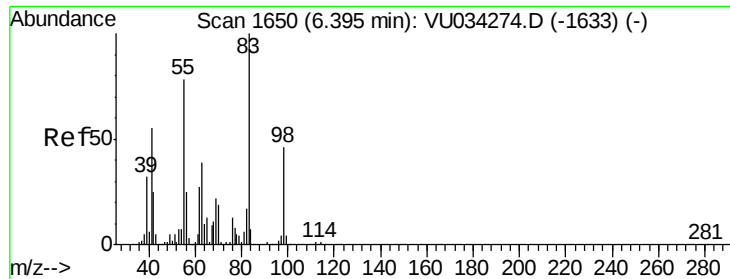
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.716 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.8	116.6
121	30.8	25.2	37.8





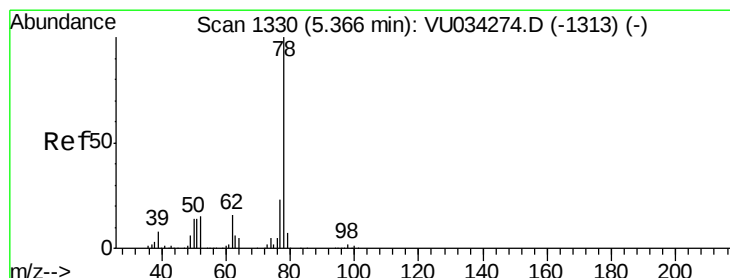
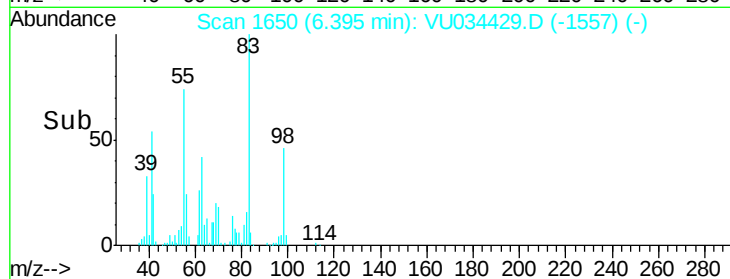
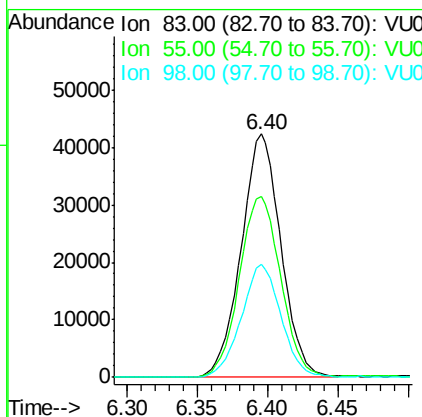
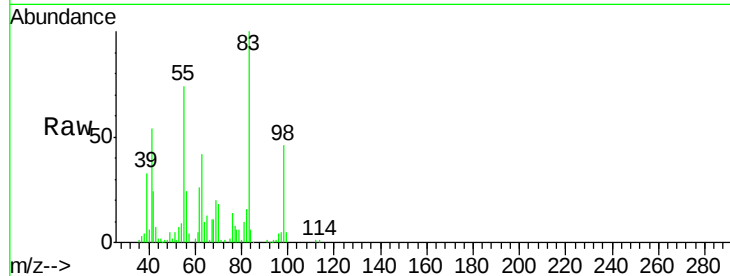
#39
Methvlcvclohexane
Concen: 17.830 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	83	Resp	83464
Ion	Ratio	Lower	Upper
83	100		
55	74.4	62.1	93.1
98	46.2	37.0	55.6

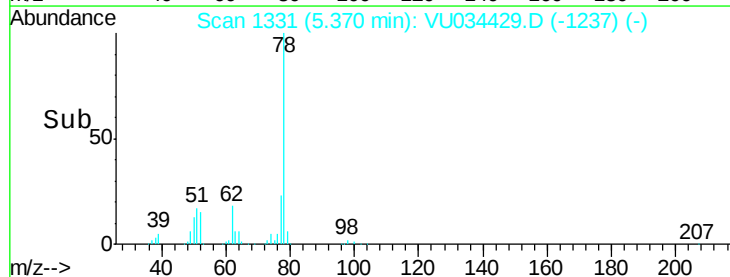
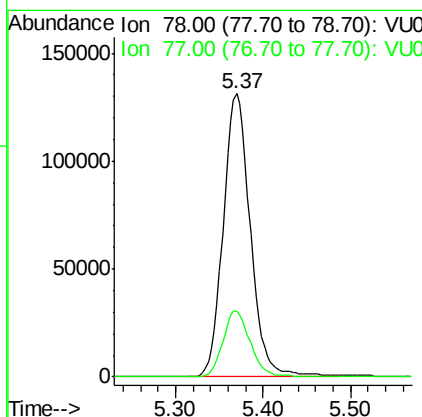
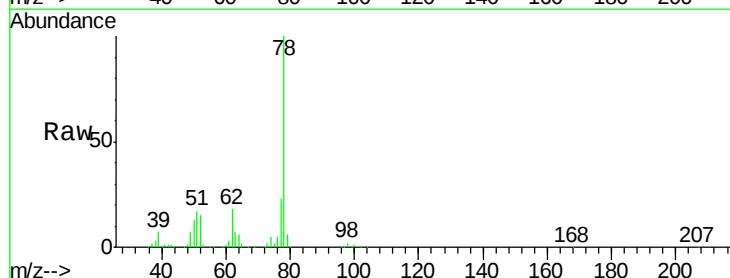
Manual Integrations
APPROVED

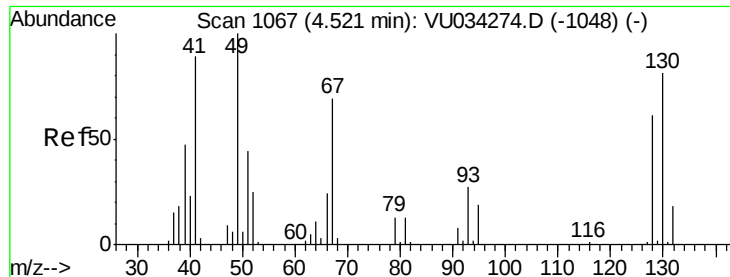
MMDadoda
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#40
Benzene
Concen: 20.029 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	78	Resp	282999
Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.7	28.1





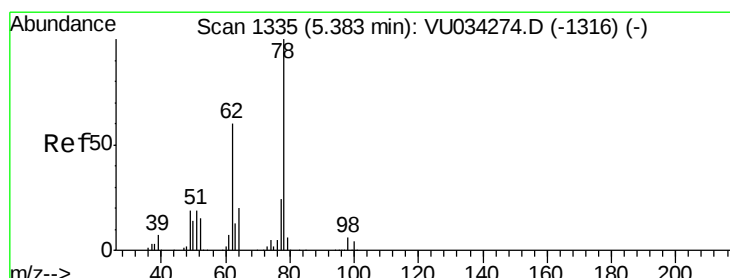
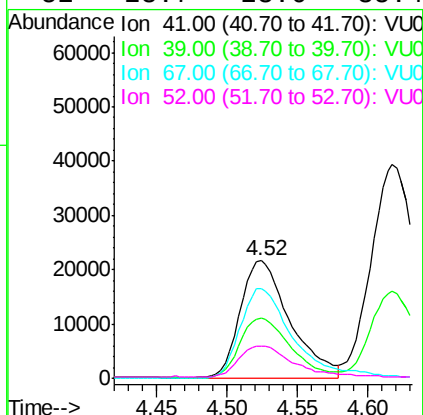
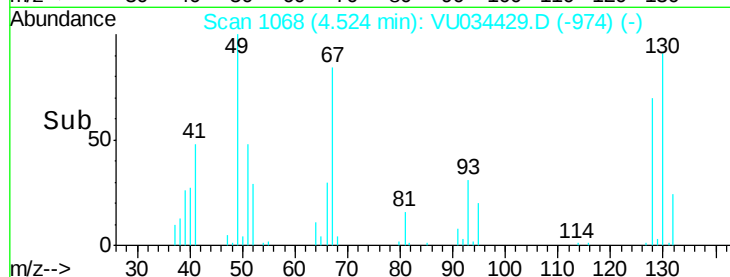
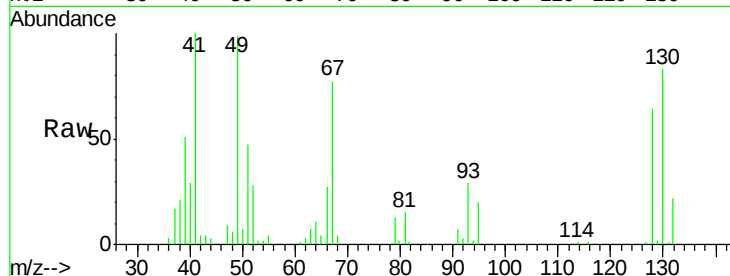
#41
Methacrylonitrile
Concen: 19.453 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.6	41.0	61.4	
67	82.3	62.4	93.6	
52	28.7	23.6	35.4	

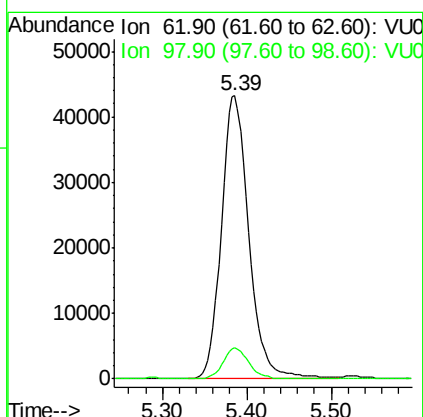
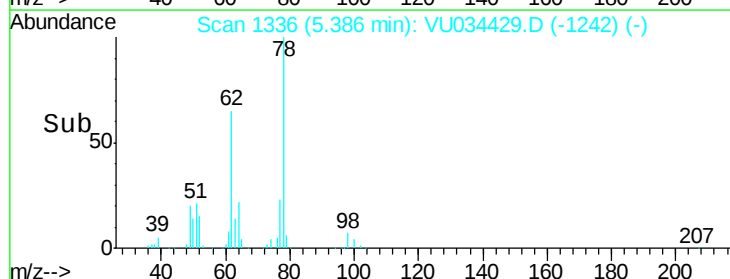
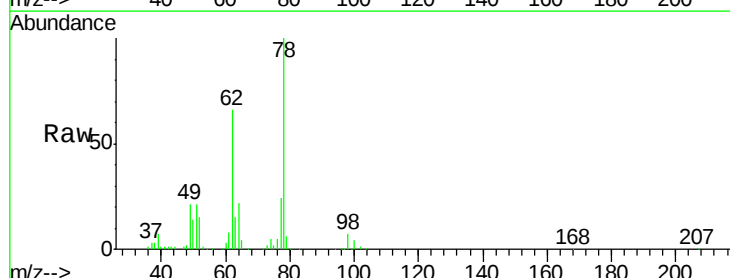
Manual Integrations
APPROVED

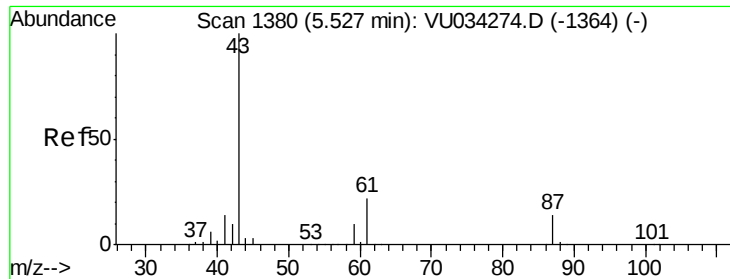
MMDadoda
9/10/2019 4:17:28 PM



#42
1,2-Dichloroethane
Concen: 19.946 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	20.0	





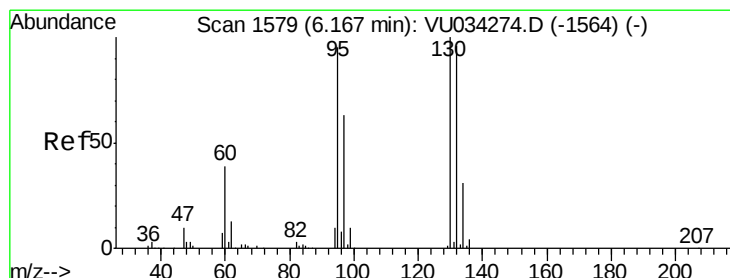
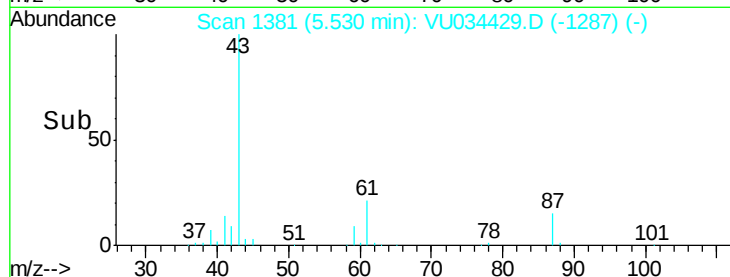
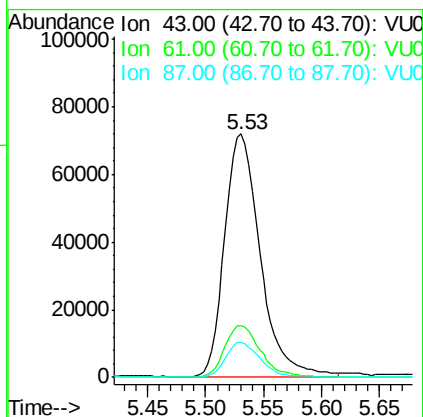
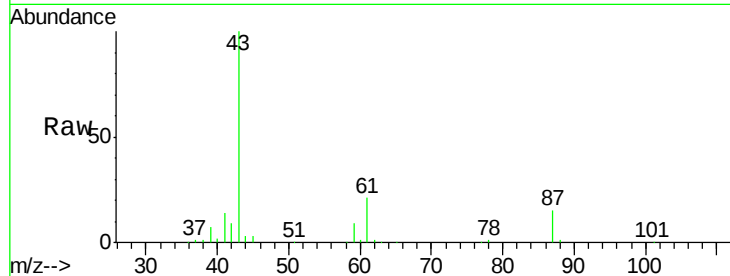
#43
Isopropyl Acetate
Concen: 18.877 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	17.1	25.7
87	14.2	11.1	16.7

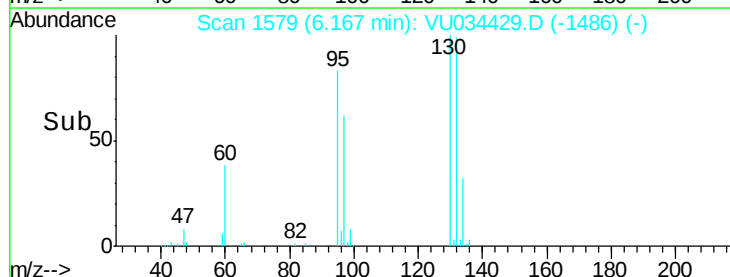
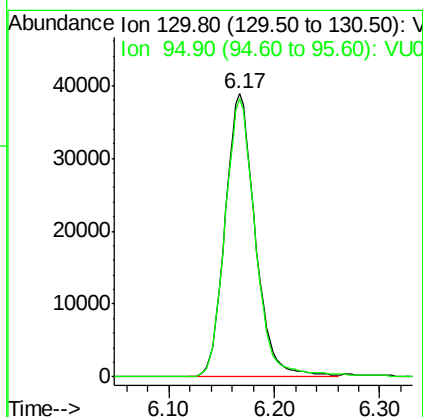
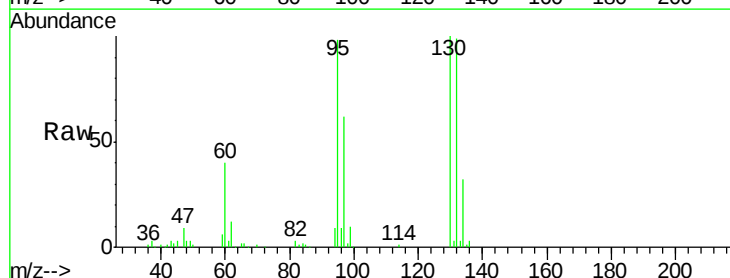
Manual Integrations
APPROVED

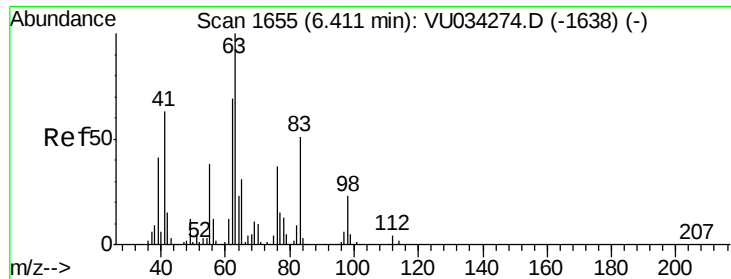
MMDadoda
9/10/2019 4:17:28 PM



#44
Trichloroethene
Concen: 19.639 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.1	0.0	189.2





#45

1,2-Dichloropropane

Concen: 19.970 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 63 Resp: 82490

Ion Ratio Lower Upper

63 100

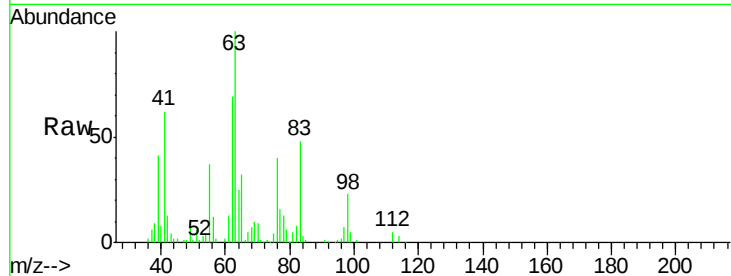
65 32.3 24.6 37.0

Manual Integrations

APPROVED

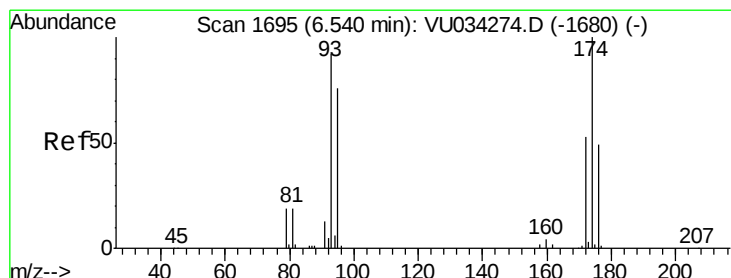
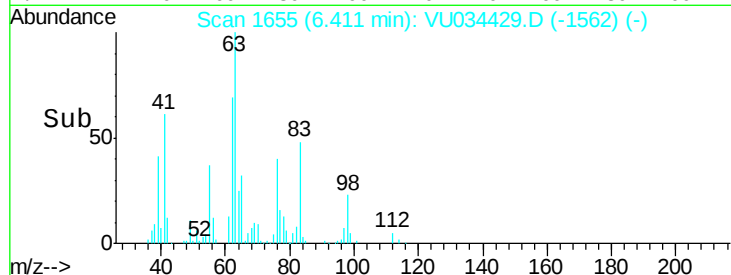
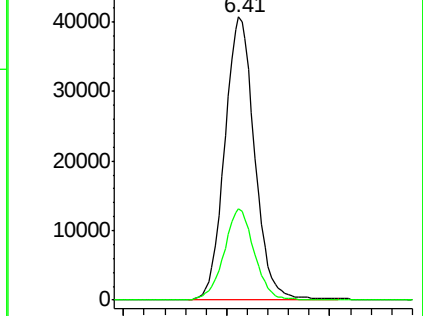
MMDadoda

9/10/2019 4:17:28 PM



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 64.90 (64.60 to 65.60): VU0



#46

Dibromomethane

Concen: 20.423 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

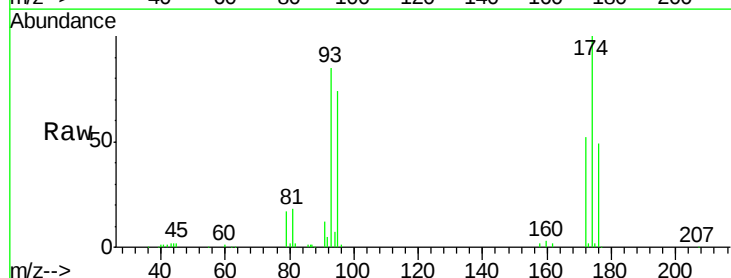
Tgt Ion: 93 Resp: 52953

Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

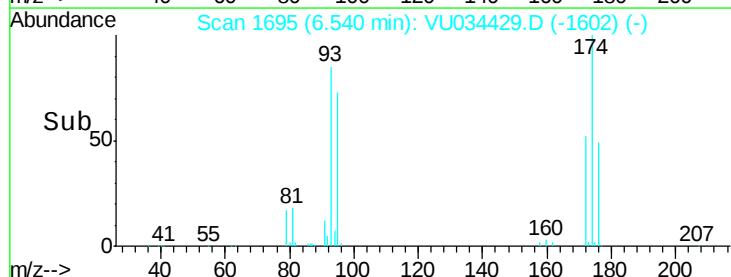
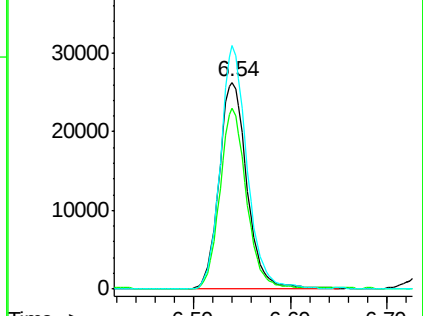
174 112.0 87.8 131.6

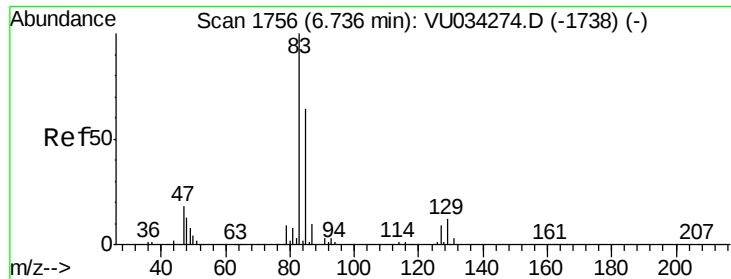


Abundance Ion 92.80 (92.50 to 93.50): VU0

Ion 94.80 (94.50 to 95.50): VU0

Ion 173.70 (173.40 to 174.40): V





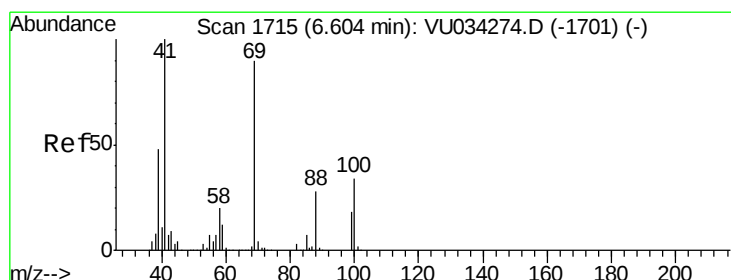
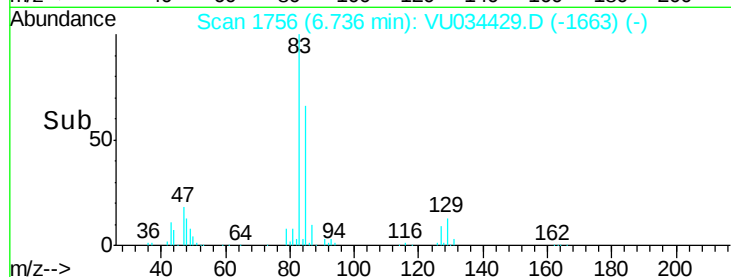
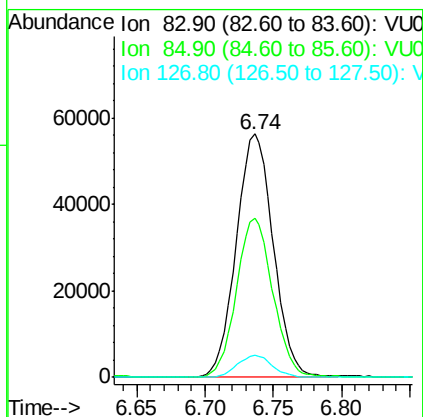
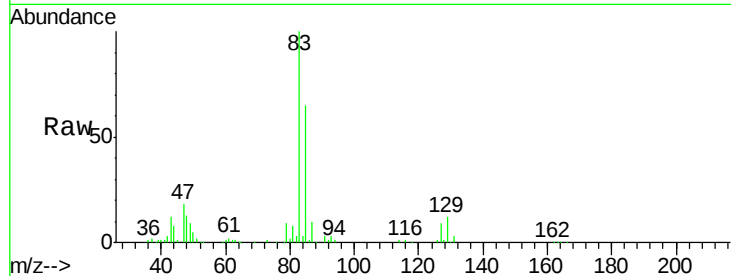
#47
Bromodichloromethane
Concen: 19.948 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.1	76.7
127	8.9	7.2	10.8

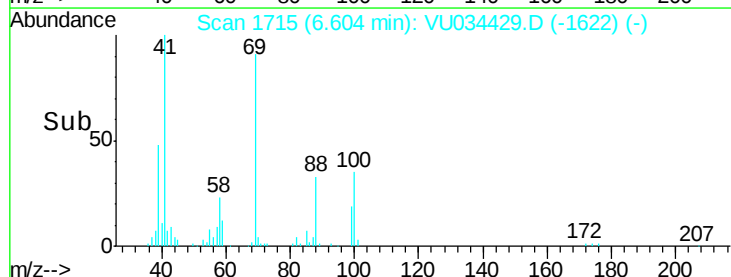
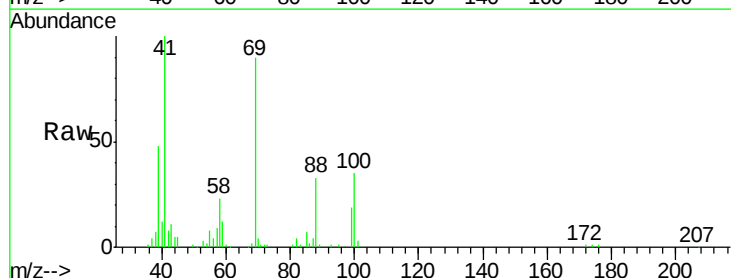
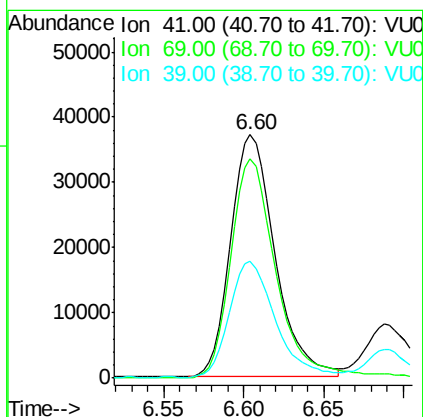
Manual Integrations
APPROVED

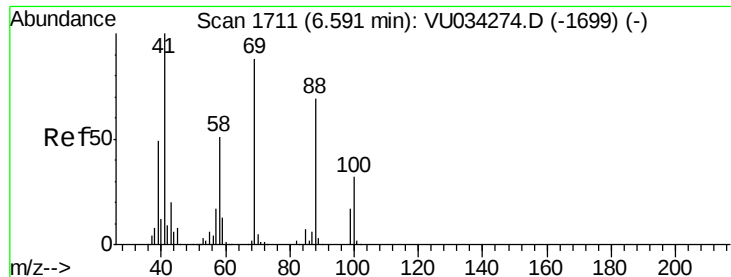
MMDadoda
9/10/2019 4:17:28 PM



#48
Methyl methacrylate
Concen: 18.338 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.7	72.8	109.2
39	49.6	38.6	58.0





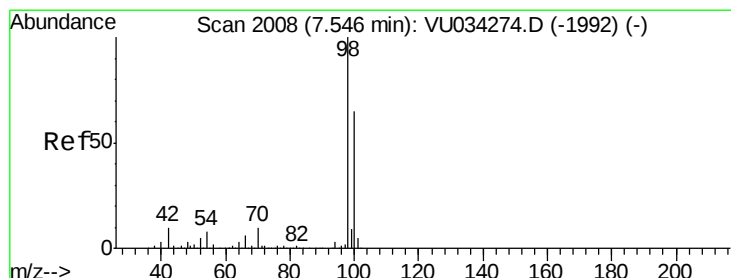
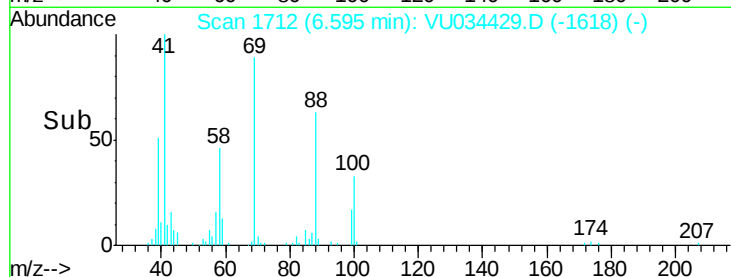
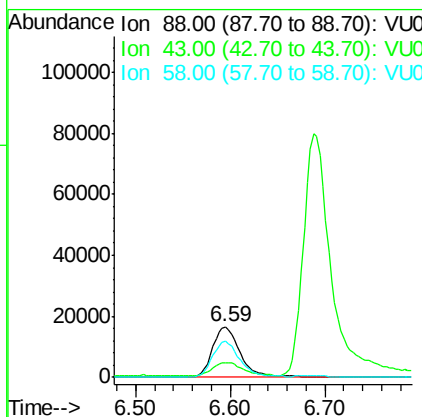
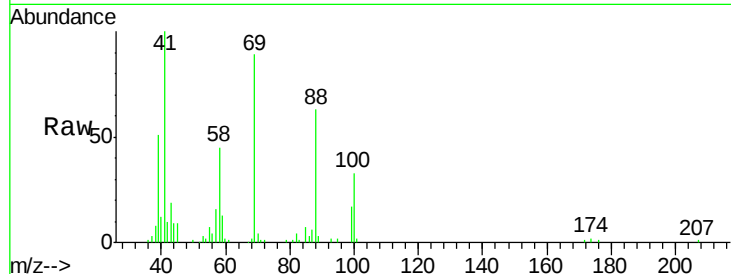
#49
1,4-Dioxane
Concen: 406.843 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	88	Resp	34079
Ion	Ratio	Lower	Upper
88	100		
43	28.4	23.8	35.6
58	69.1	58.4	87.6

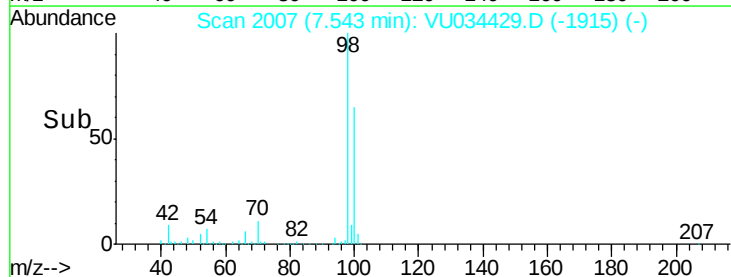
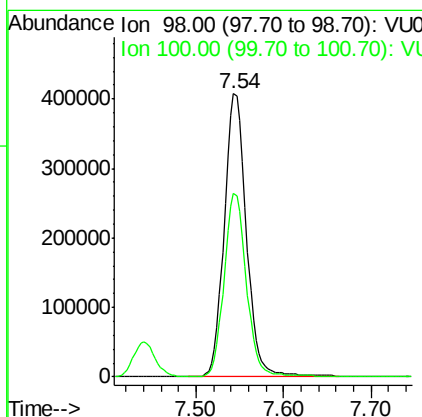
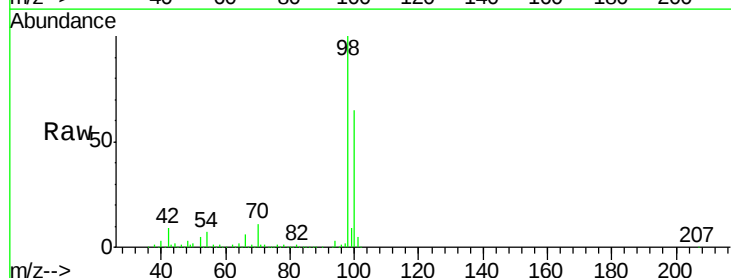
Manual Integrations
APPROVED

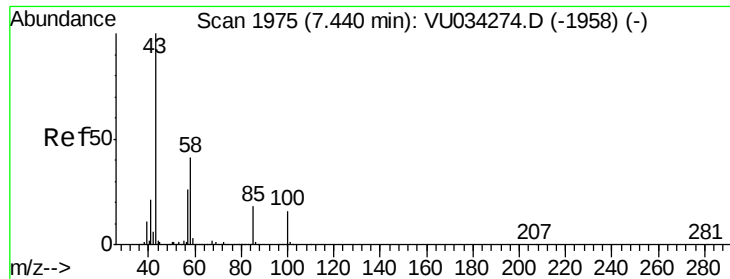
MMDadoda
9/10/2019 4:17:28 PM



#50
Toluene-d8
Concen: 51.032 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	98	Resp	720329
Ion	Ratio	Lower	Upper
98	100		
100	65.3	51.7	77.5





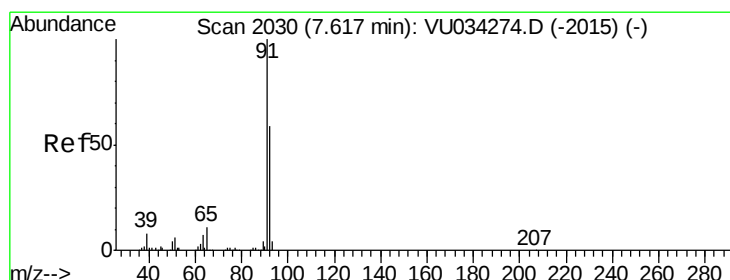
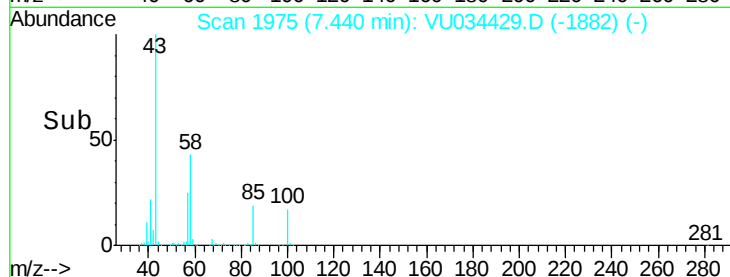
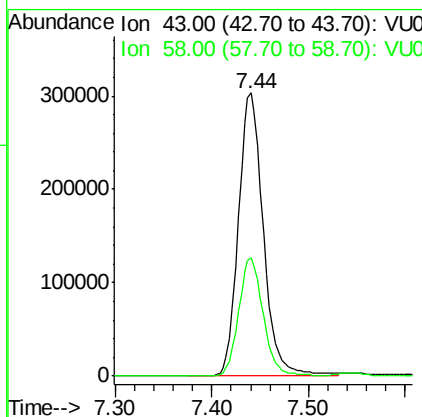
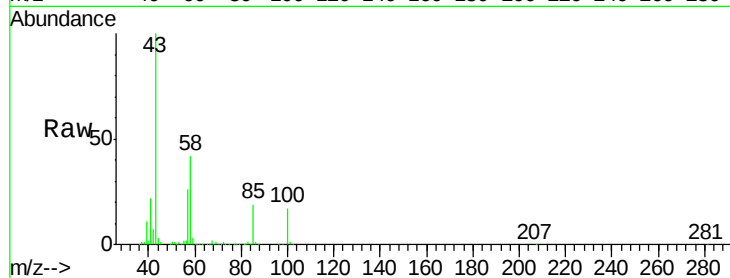
#51
 4-Methyl-2-Pentanone
 Concen: 96.685 ug/l
 RT: 7.44 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.2	33.0	49.4

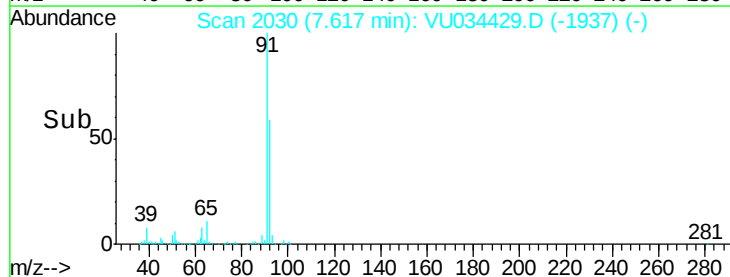
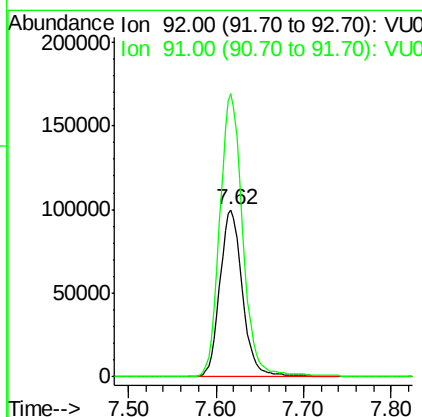
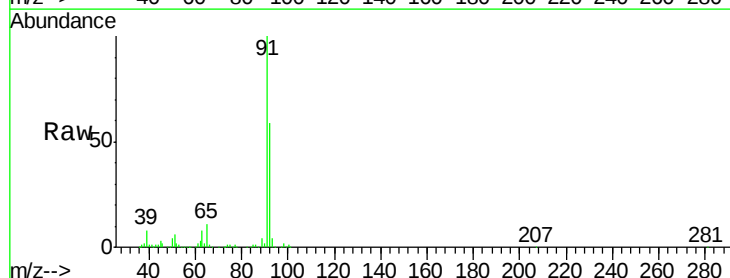
Manual Integrations
 APPROVED

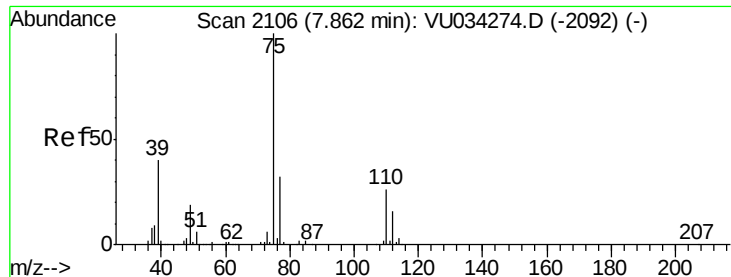
MMDadoda
 9/10/2019 4:17:28 PM



#52
 Toluene
 Concen: 20.293 ug/l
 RT: 7.62 min Scan# 2030
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	171.0	136.6	205.0





#53

t-1,3-Dichloropropene

Concen: 18.727 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Tot Ion: 75 Resp: 103607

Ion Ratio Lower Upper

75 100

77 31.7 25.7 38.5

Instrument :

MSVOA_U

ClientSampleId :

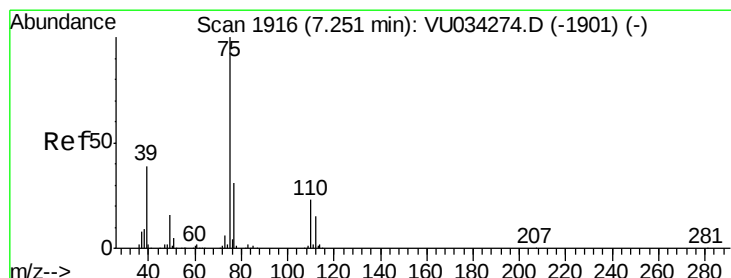
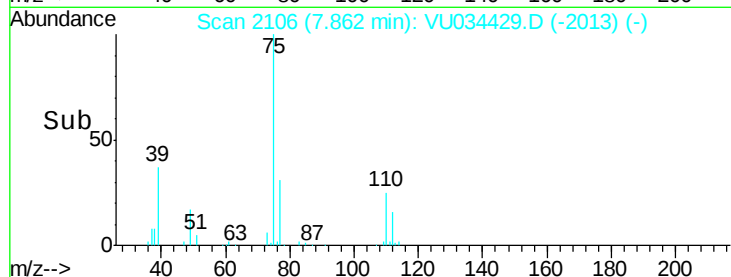
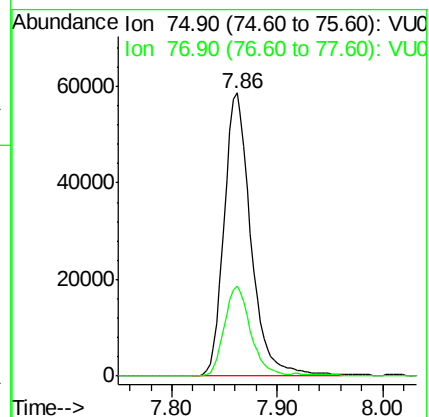
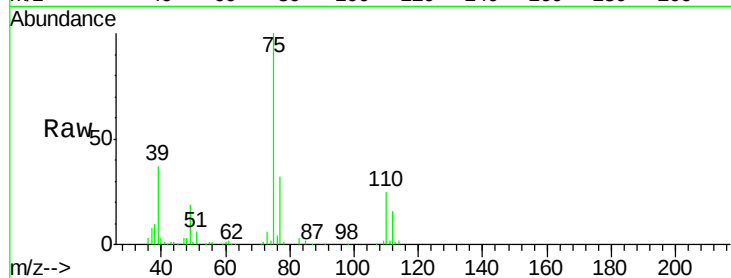
VU0909WBSD01

Manual Integrations

APPROVED

MMDadoda

9/10/2019 4:17:28 PM



#54

cis-1,3-Dichloropropene

Concen: 19.216 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

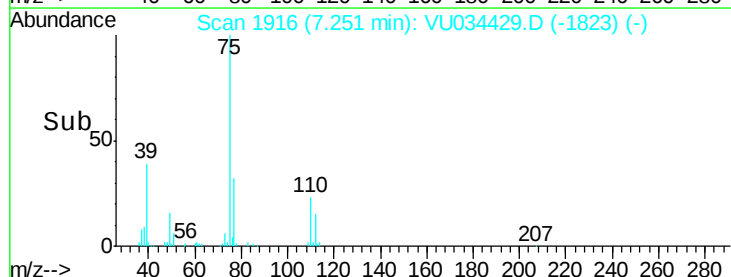
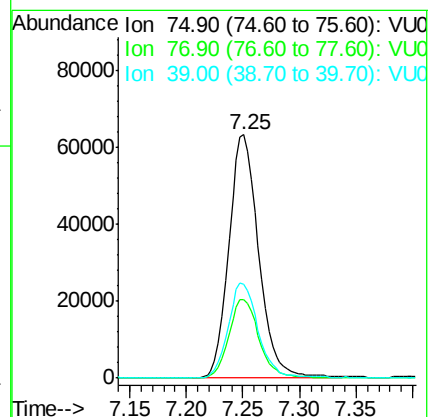
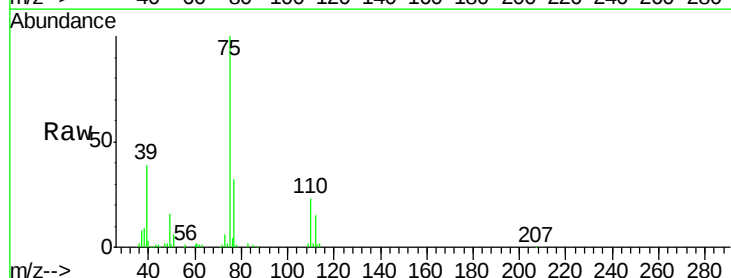
Tgt Ion: 75 Resp: 116687

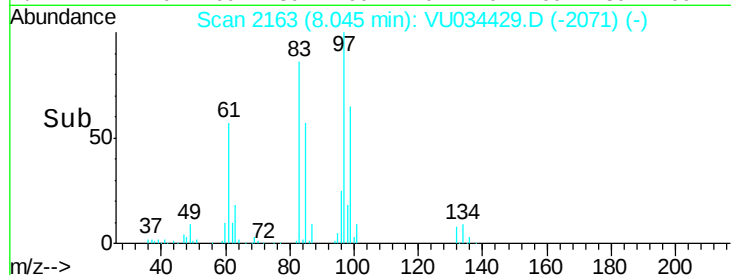
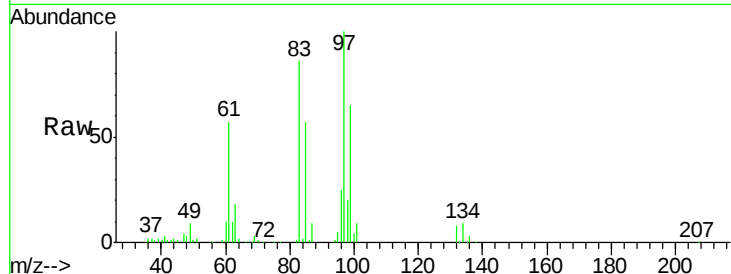
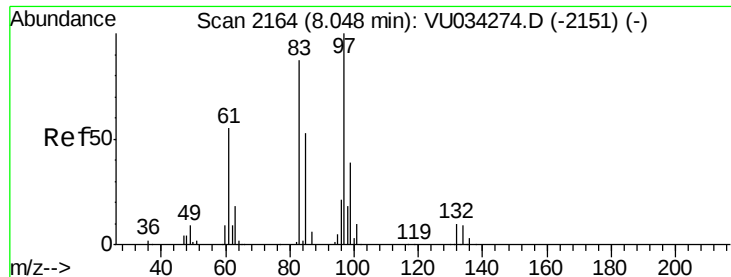
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 38.8 31.2 46.8





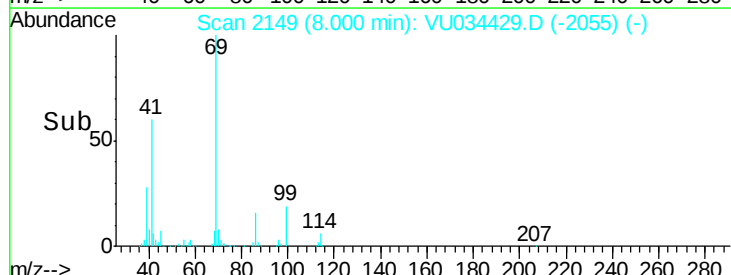
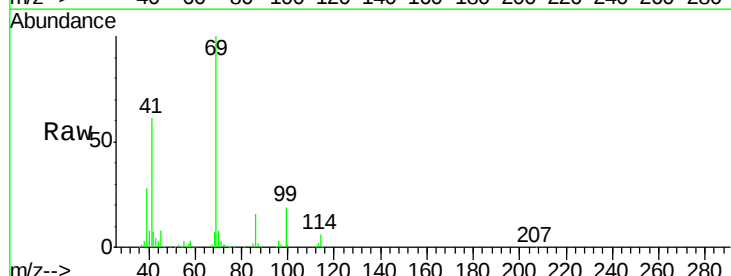
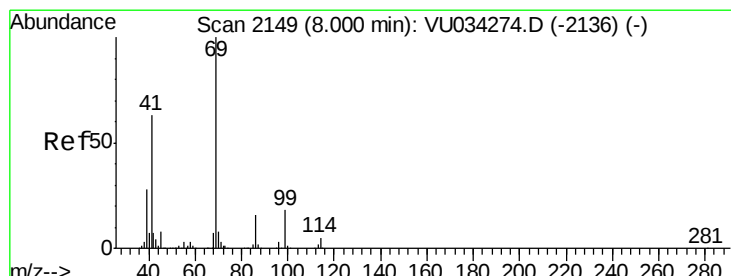
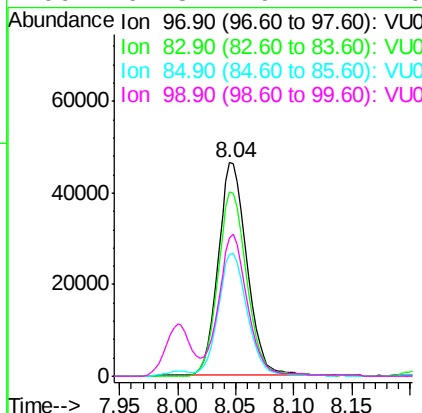
#55
1,1,2-Trichloroethane
Concen: 19.952 ug/l
RT: 8.04 min Scan# 2163
Delta R.T. -0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tot Ion	97	Resp	80301
Ion Ratio	Lower	Upper	
97	100		
83	86.2	69.0	103.6
85	57.1	44.2	66.2
99	64.8	49.4	74.0

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

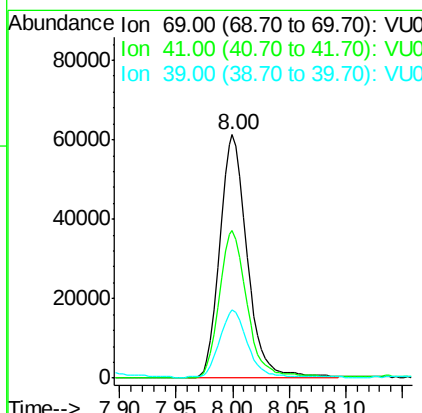
Manual Integrations
APPROVED

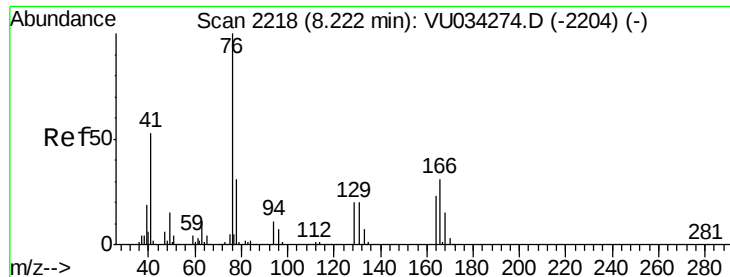
MMDadoda
9/10/2019 4:17:28 PM



#56
Ethyl methacrylate
Concen: 18.978 ug/l
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	69	Resp	103605
Ion Ratio	Lower	Upper	
69	100		
41	61.2	49.5	74.3
39	28.1	22.5	33.7





#57

1,3-Dichloropropane

Concen: 19.500 ug/l

RT: 8.22 min Scan# 2218

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 76 Resp: 127795

Ion Ratio Lower Upper

76 100

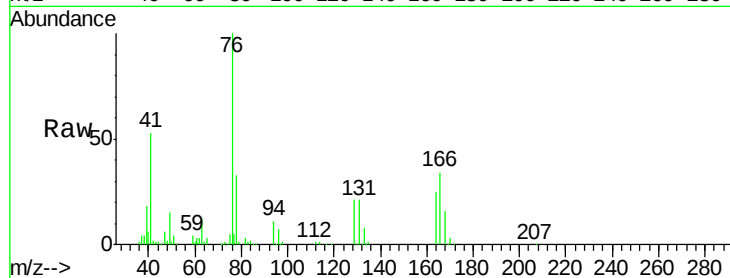
78 32.3 25.4 38.2

Manual Integrations

APPROVED

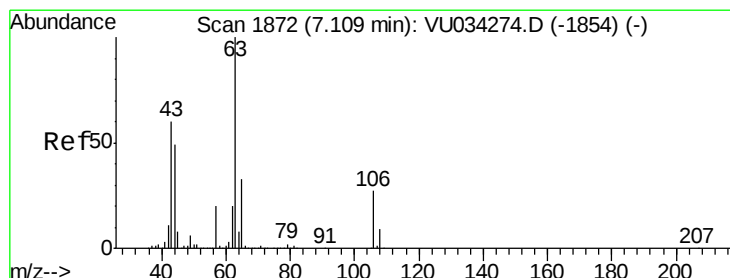
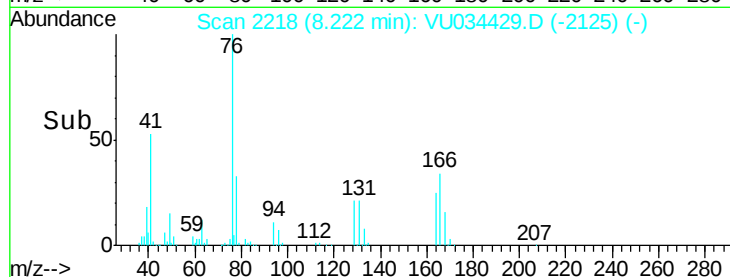
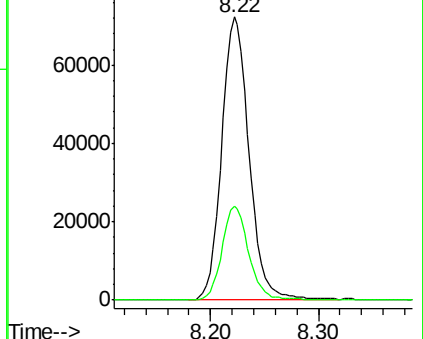
MMDadoda

9/10/2019 4:17:28 PM



Abundance Ion 75.90 (75.60 to 76.60): VU0

Ion 77.90 (77.60 to 78.60): VU0



#58

2-Chloroethyl Vinyl ether

Concen: 91.737 ug/l

RT: 7.11 min Scan# 1872

Delta R.T. 0.00 min

Lab File: VU034429.D

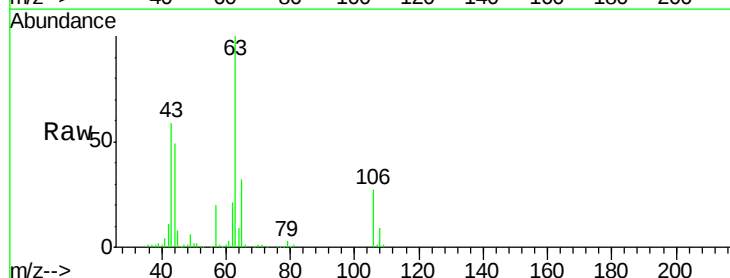
Acq: 09 Sep 2019 13:36

Tgt Ion: 63 Resp: 166472

Ion Ratio Lower Upper

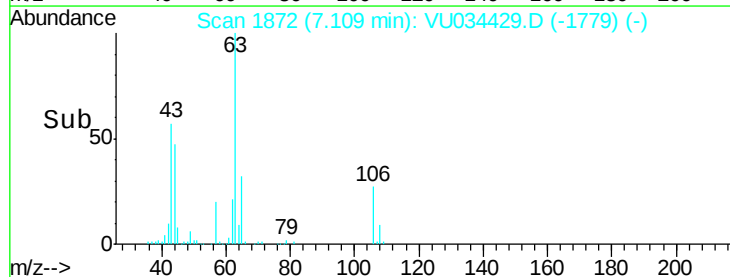
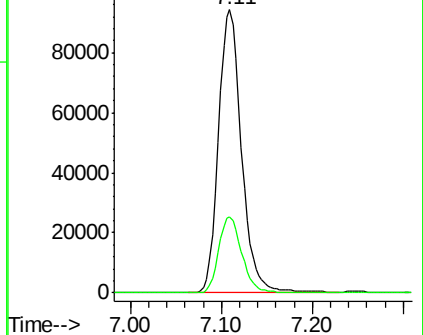
63 100

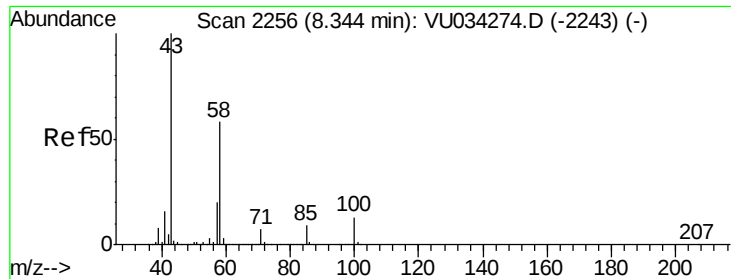
106 26.8 21.6 32.4



Abundance Ion 62.90 (62.60 to 63.60): VU0

Ion 105.90 (105.60 to 106.60): V





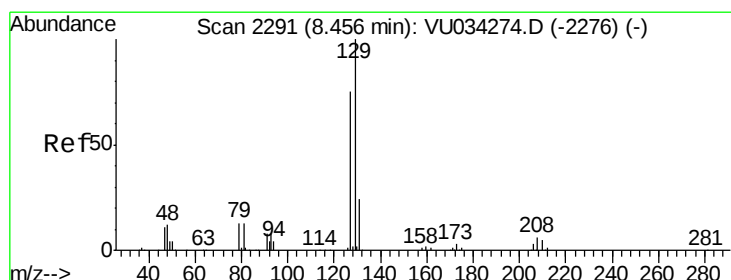
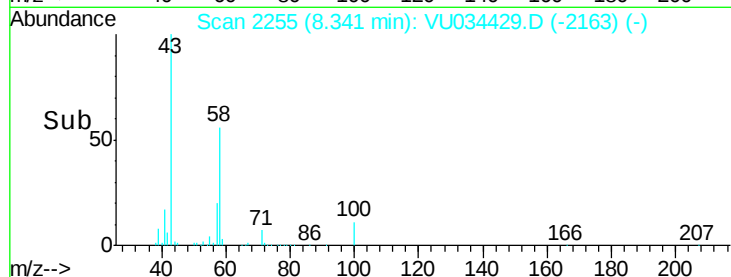
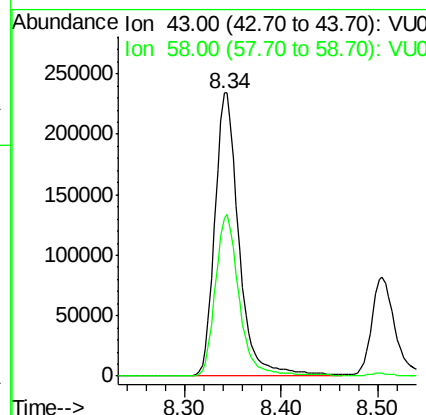
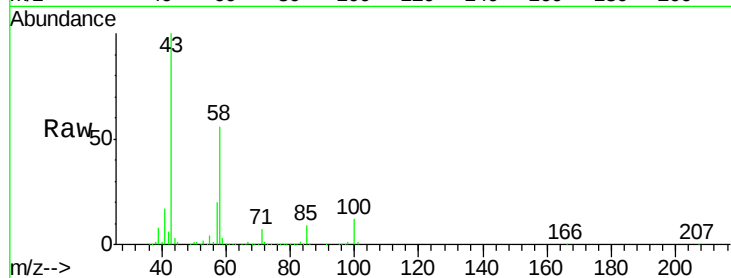
#59
2-Hexanone
Concen: 95.900 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion: 43 Resp: 400520
Ion Ratio Lower Upper
43 100
58 57.3 28.8 86.5

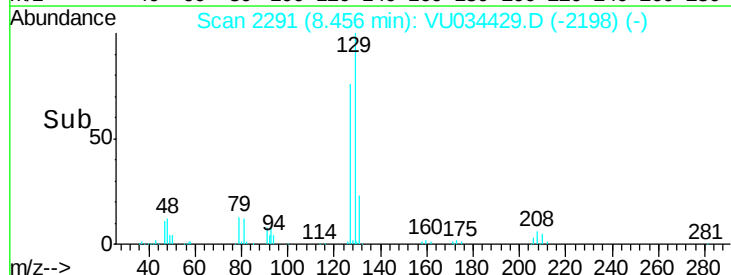
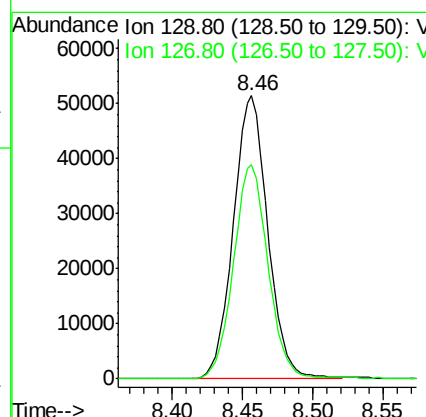
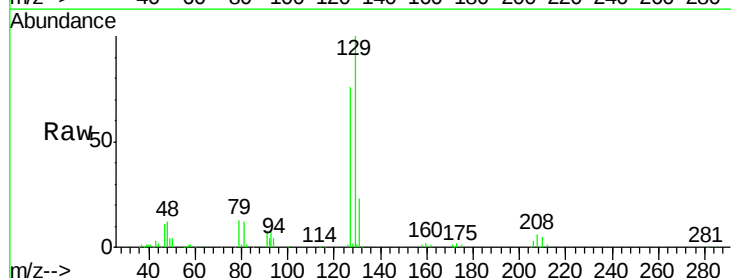
Manual Integrations
APPROVED

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9/10/2019 4:17:28 PM



#60
Dibromochloromethane
Concen: 20.355 ug/l
RT: 8.46 min Scan# 2291
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion: 129 Resp: 87869
Ion Ratio Lower Upper
129 100
127 76.2 37.9 113.7





#61

1,2-Dibromoethane

Concen: 20.037 ug/l

RT: 8.57 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion:107 Resp: 78931

Ion Ratio Lower Upper

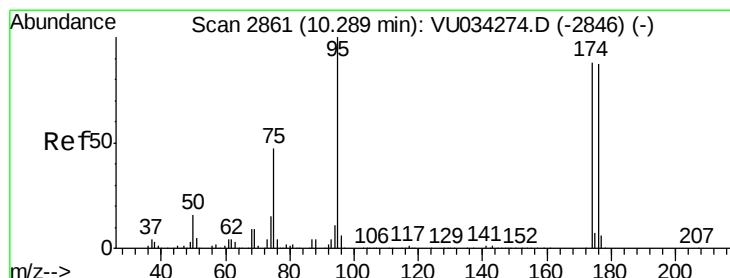
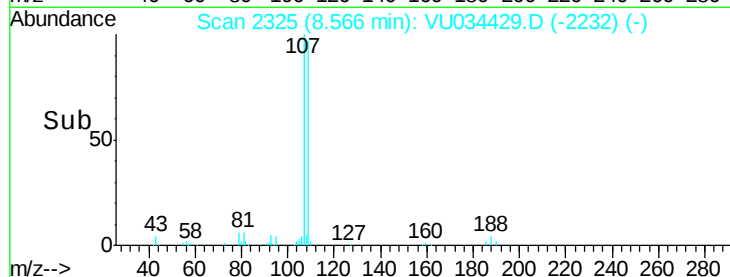
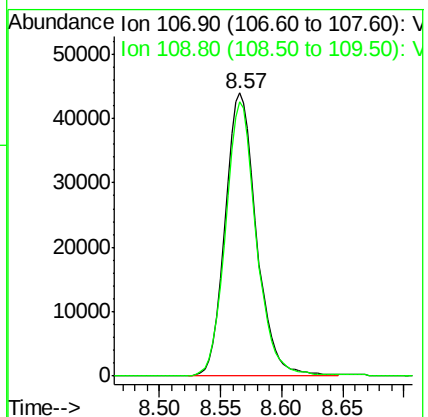
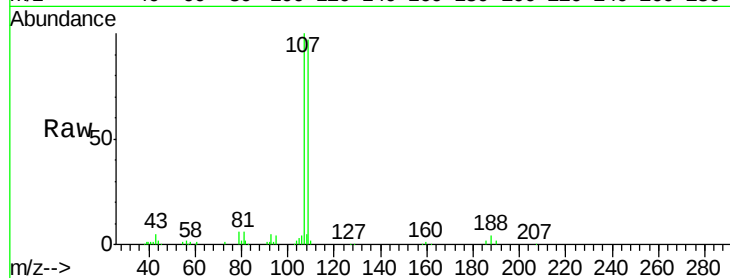
107 100

109 95.3 75.0 112.6

Manual Integrations
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MMDadoda

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#62

4-Bromofluorobenzene

Concen: 48.388 ug/l

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

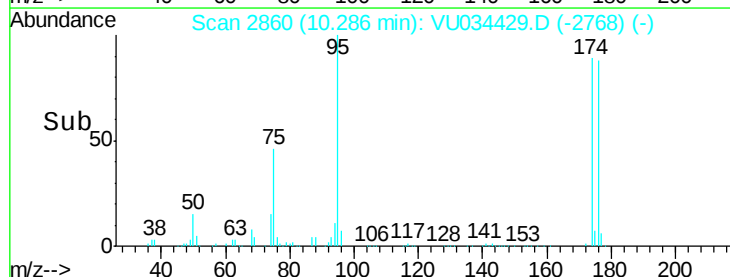
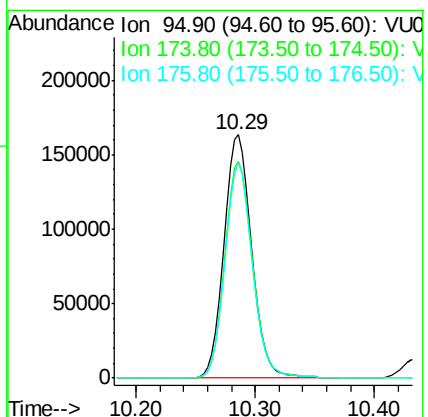
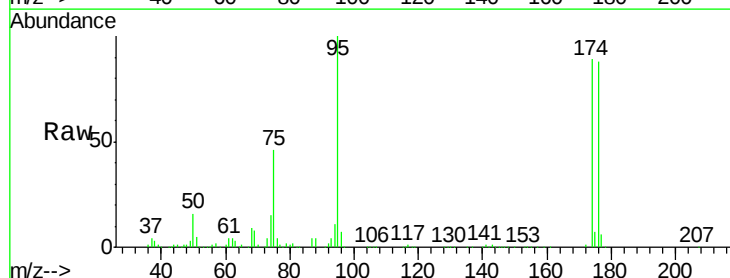
Tgt Ion: 95 Resp: 263709

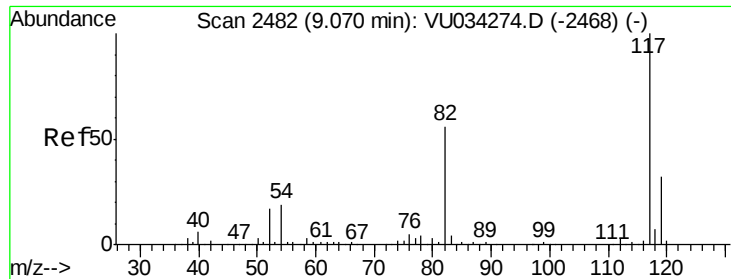
Ion Ratio Lower Upper

95 100

174 90.1 0.0 175.2

176 87.4 0.0 168.0





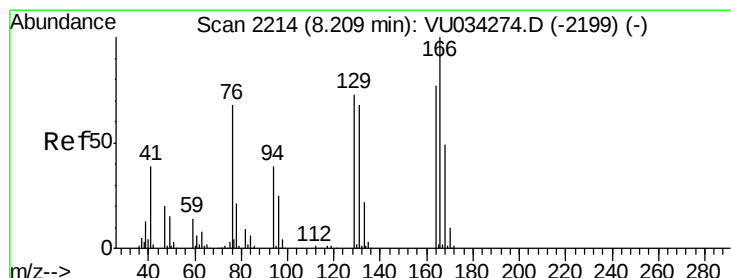
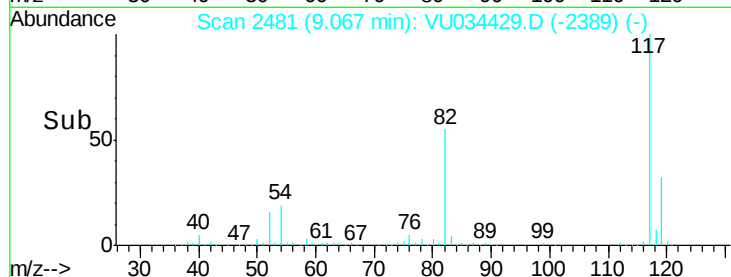
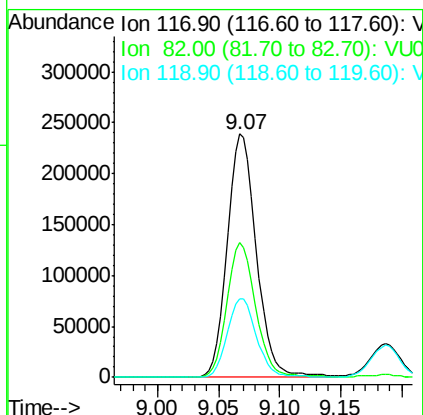
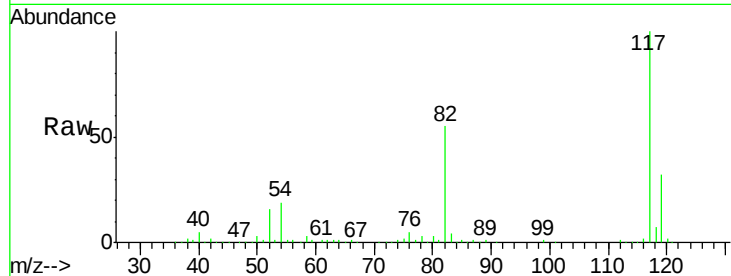
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.6	67.0
119	32.3	25.9	38.9

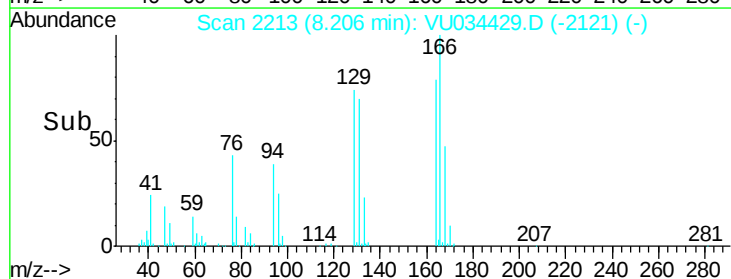
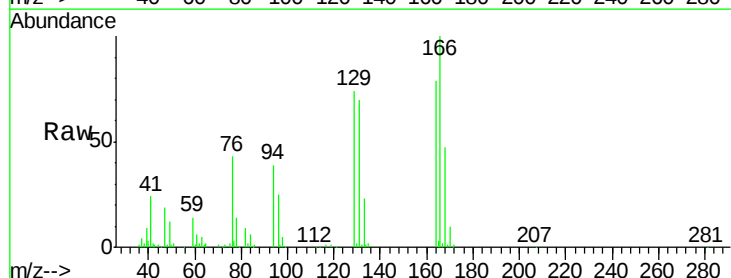
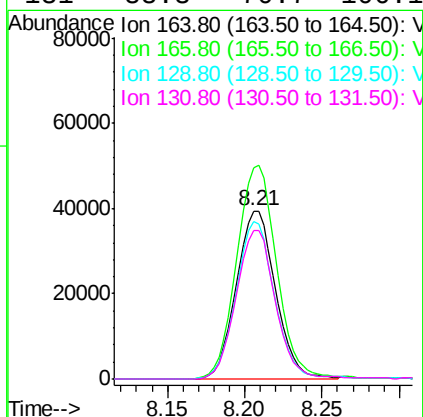
Manual Integrations
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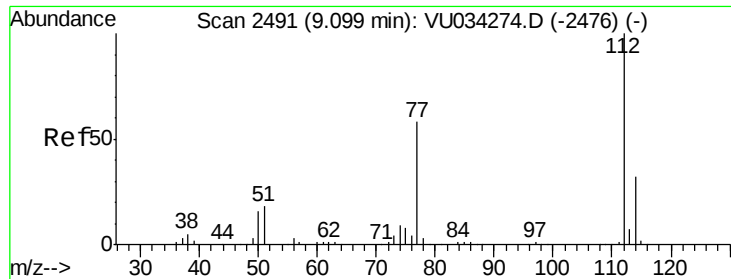
MMDadoda
9/10/2019 4:17:28 PM



#64
Tetrachloroethene
Concen: 20.000 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.3	103.7	155.5
129	93.8	75.8	113.8
131	88.3	70.7	106.1





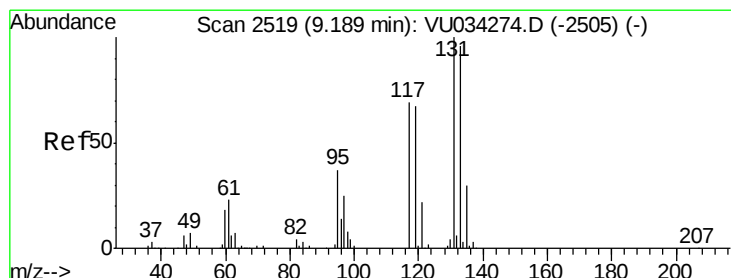
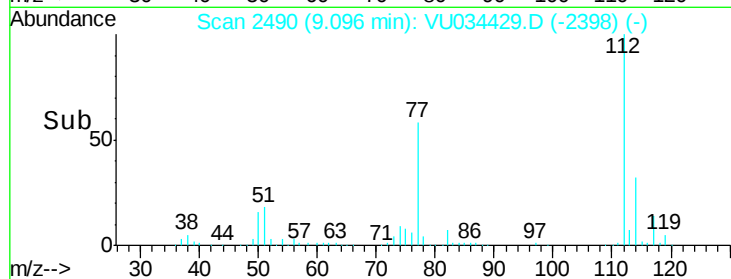
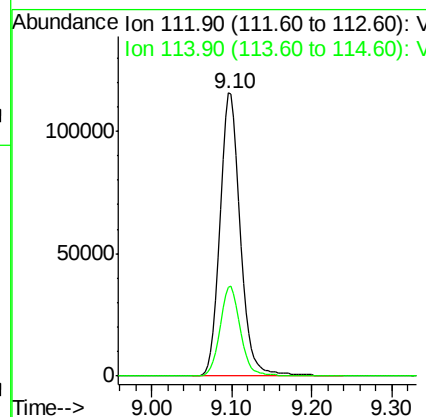
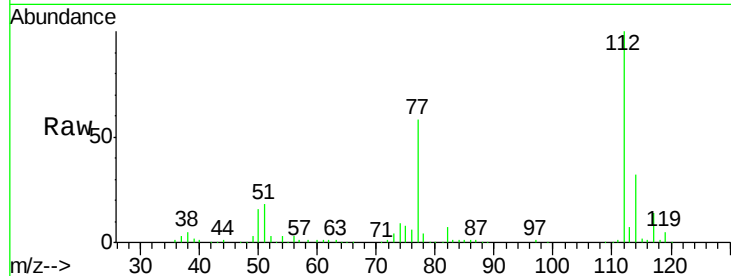
#65
Chlorobenzene
Concen: 20.205 ug/l
RT: 9.10 min Scan# 2490
Delta R.T. -0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.9	38.9

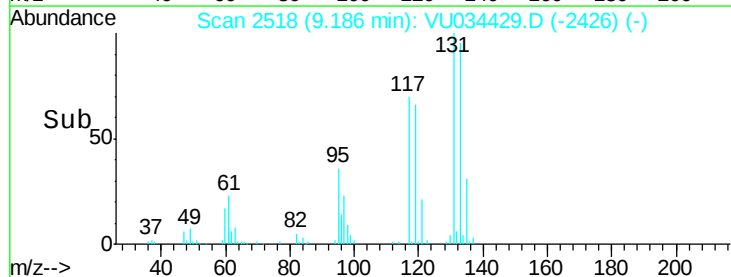
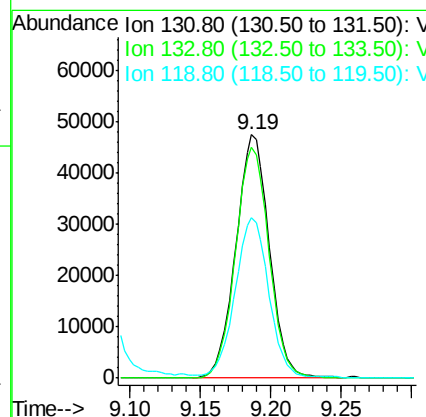
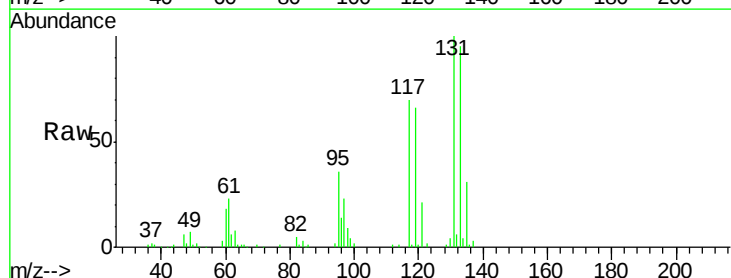
Manual Integrations
APPROVED

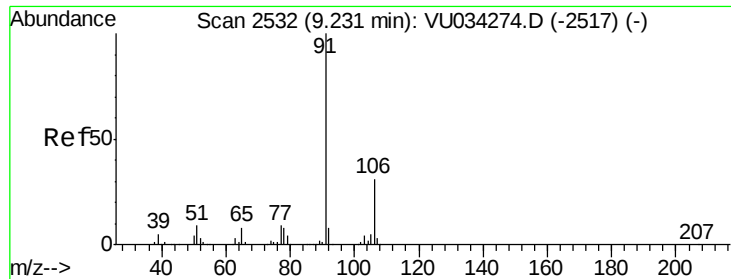
MMDadoda
9/10/2019 4:17:28 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.341 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.8	47.9	143.7
119	67.0	33.1	99.5





#67

Ethyl Benzene

Concen: 19.524 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 91 Resp: 324428

Ion Ratio Lower Upper

91 100

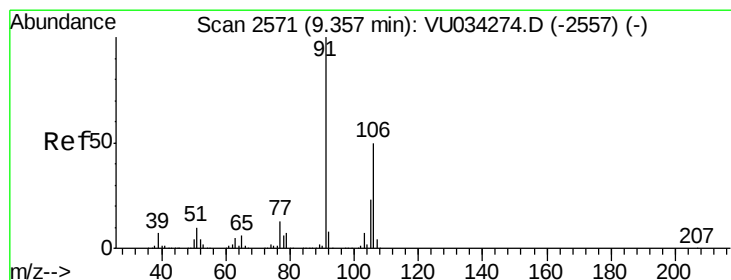
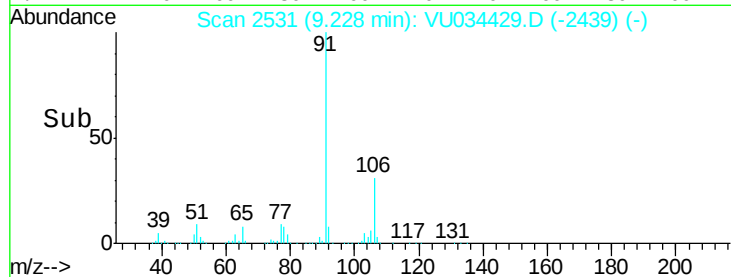
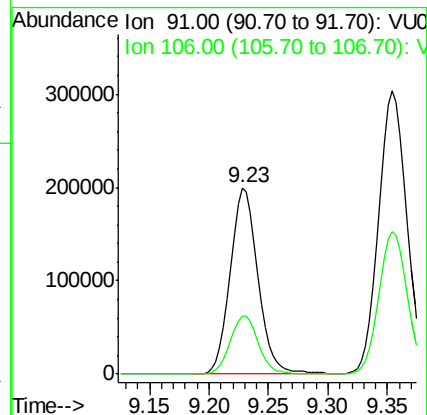
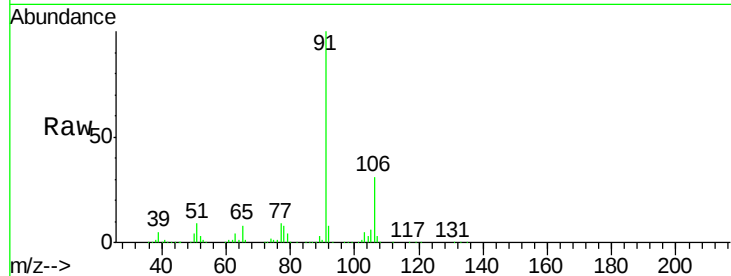
106 31.2 24.8 37.2

Manual Integrations

APPROVED

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9/10/2019 4:17:28 PM



#68

m/p-Xylenes

Concen: 41.254 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034429.D

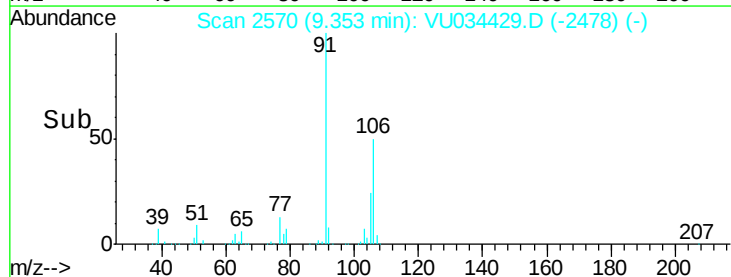
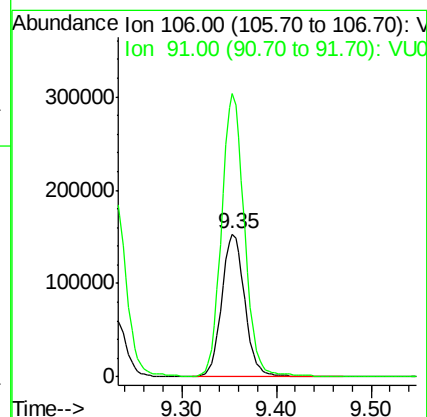
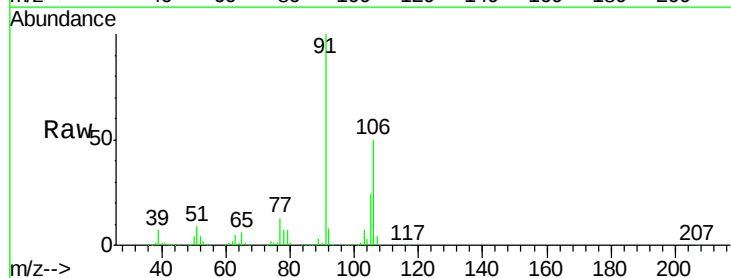
Acq: 09 Sep 2019 13:36

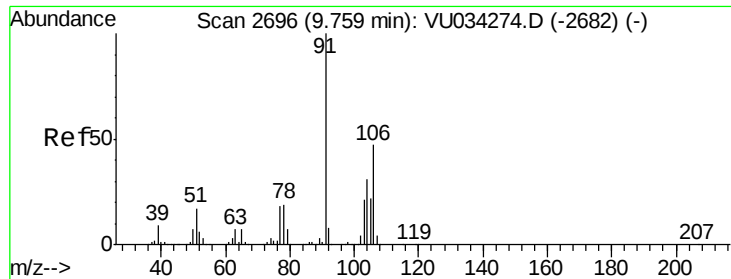
Tgt Ion: 106 Resp: 258133

Ion Ratio Lower Upper

106 100

91 197.3 160.1 240.1





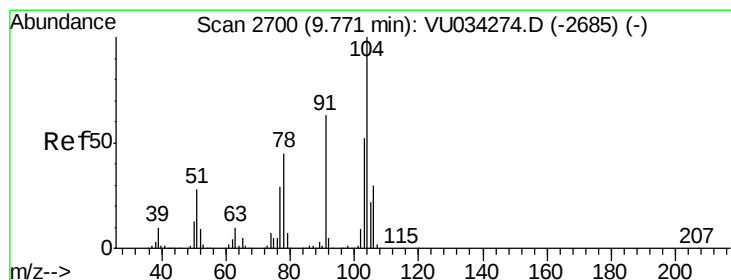
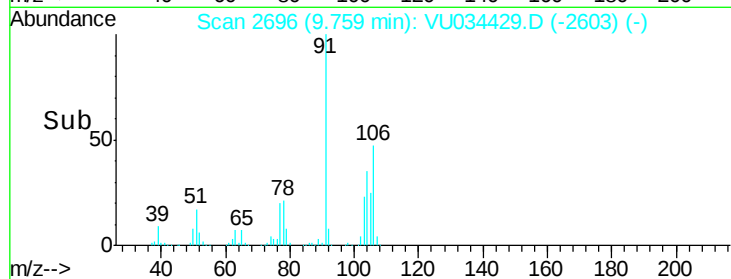
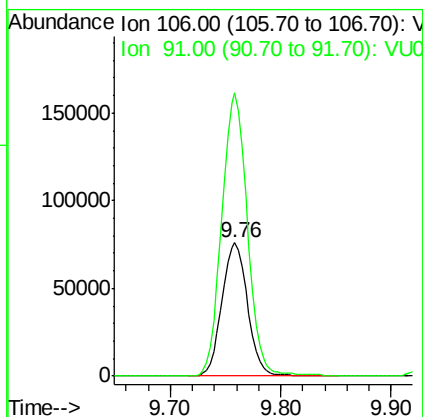
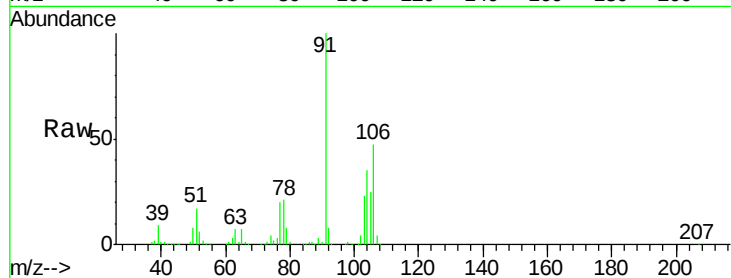
#69
o-Xylene
Concen: 20.083 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.7	105.1	315.3

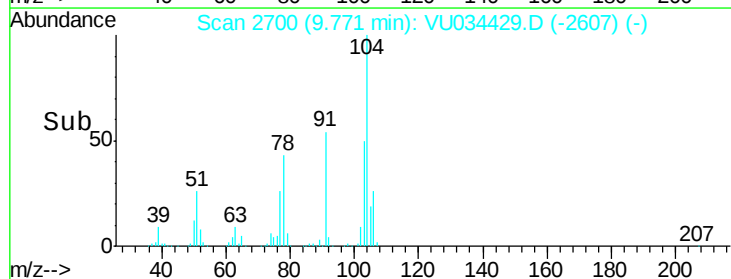
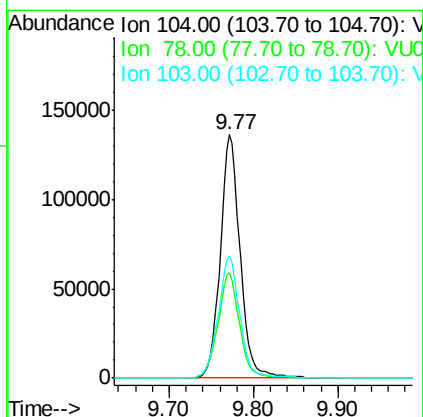
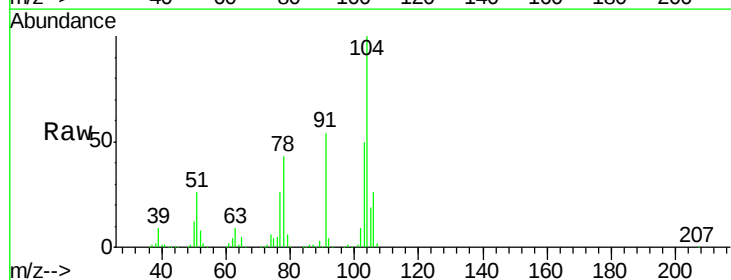
Manual Integrations
APPROVED

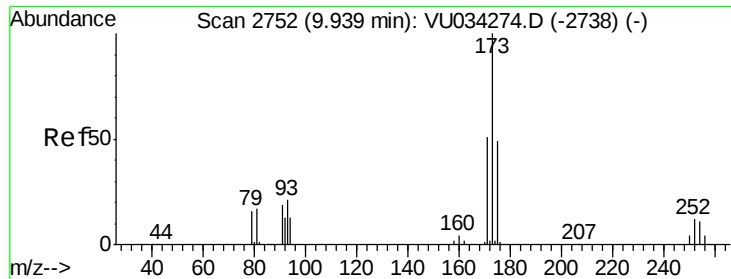
MMDadoda
9/10/2019 4:17:28 PM



#70
Styrene
Concen: 20.814 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	38.6	57.8
103	54.5	44.2	66.4





#71

Bromoform

Concen: 20.278 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

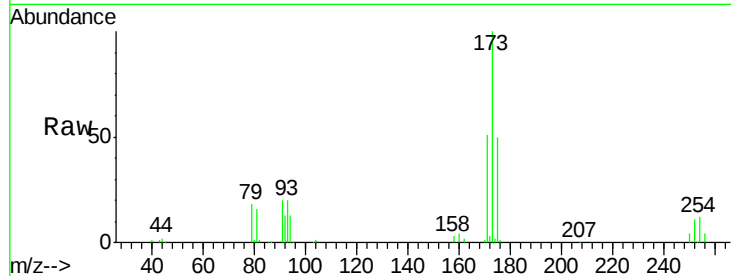
ClientSampleId :

VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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9/10/2019 4:17:28 PM

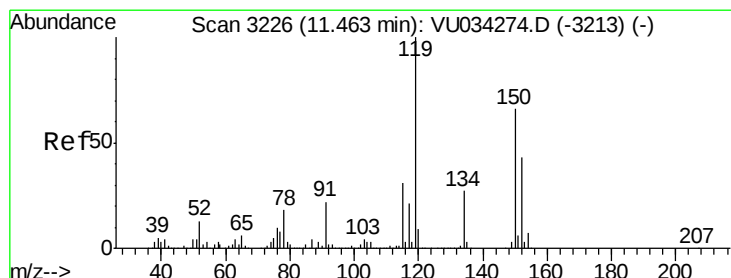
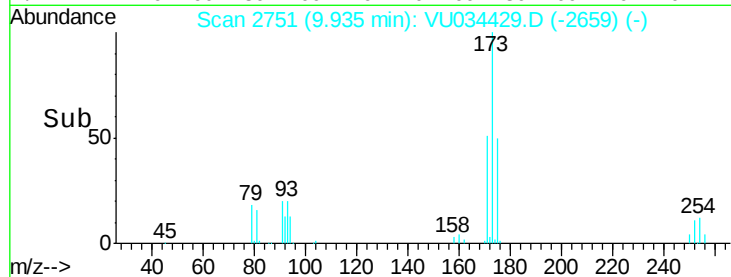
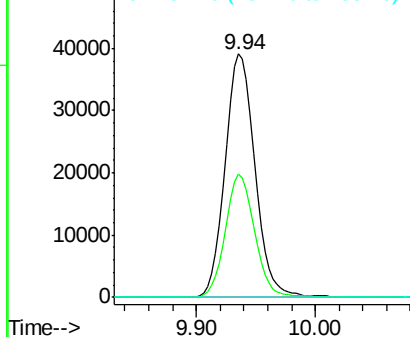


Abundance

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

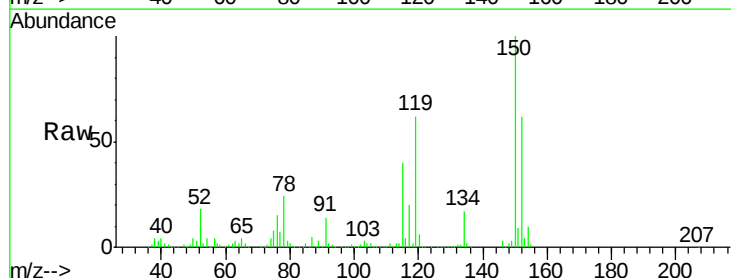
RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.1	39.1	117.3
150	163.8	0.0	345.4

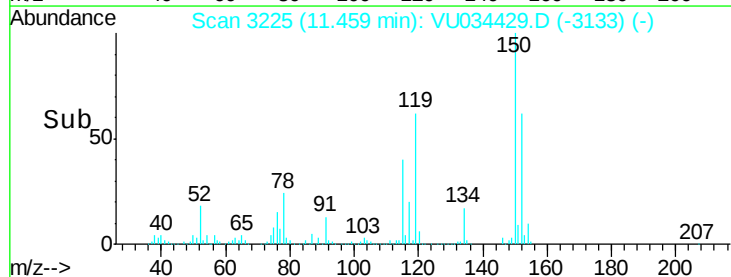
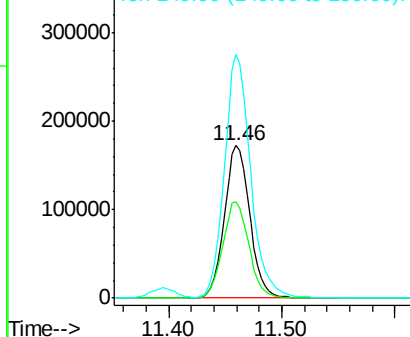


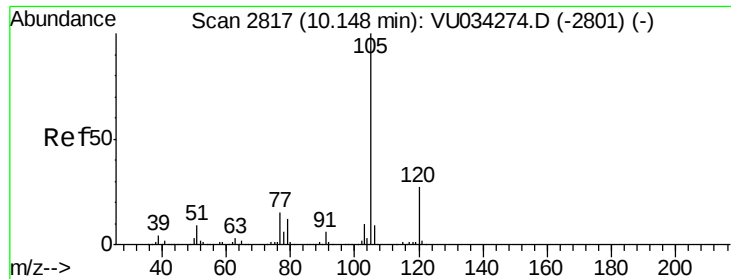
Abundance

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: 19.501 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion:105 Resp: 341943

Ion Ratio Lower Upper

105 100

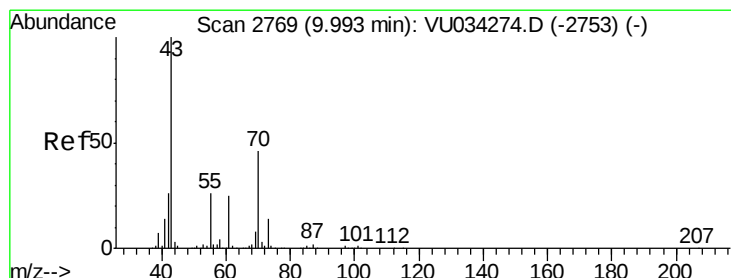
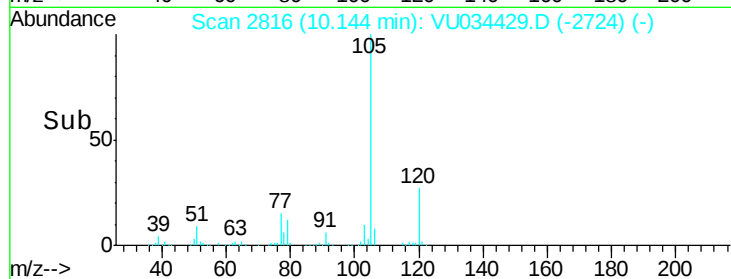
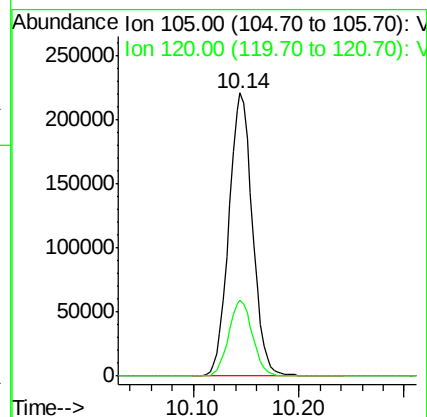
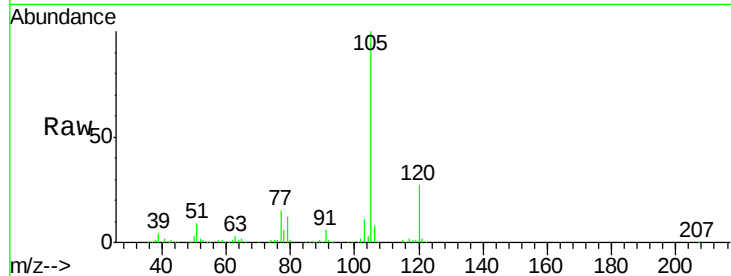
120 27.0 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.504 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Tgt Ion: 43 Resp: 130608

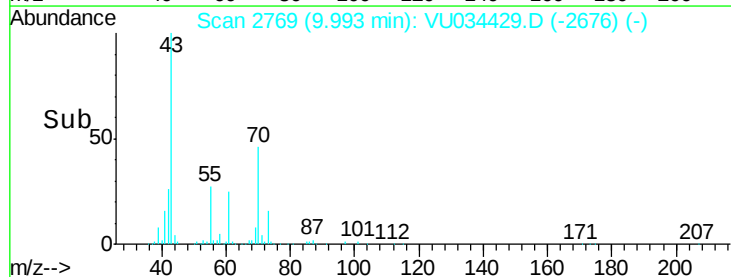
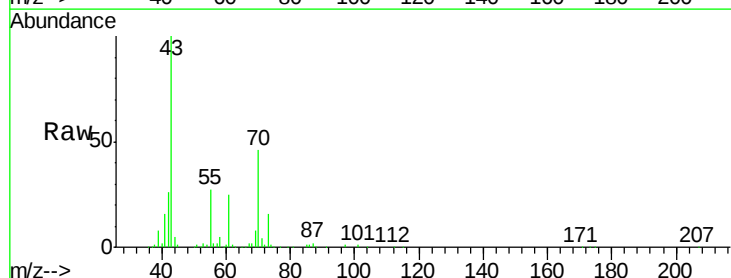
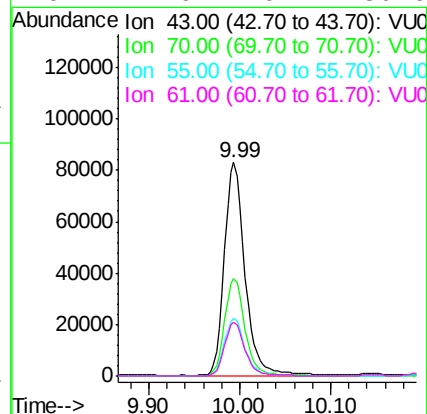
Ion Ratio Lower Upper

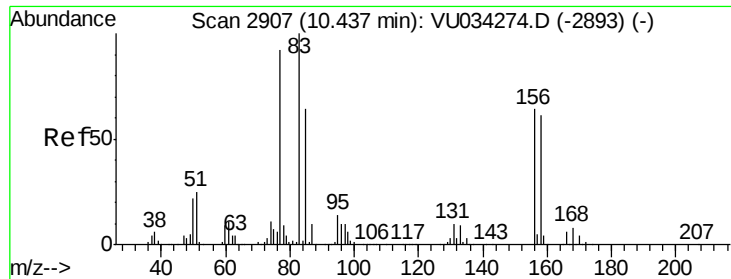
43 100

70 45.7 36.4 54.6

55 27.7 21.2 31.8

61 24.9 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.619 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion: 83 Resp: 139252
Ion Ratio Lower Upper

83 100

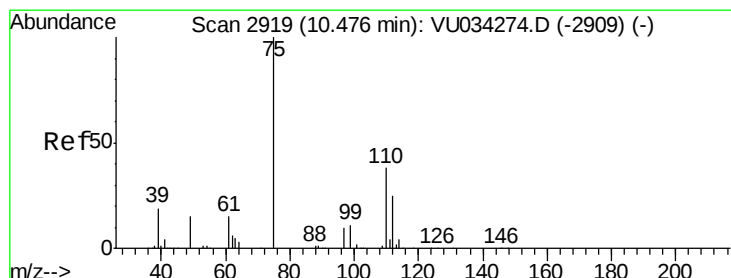
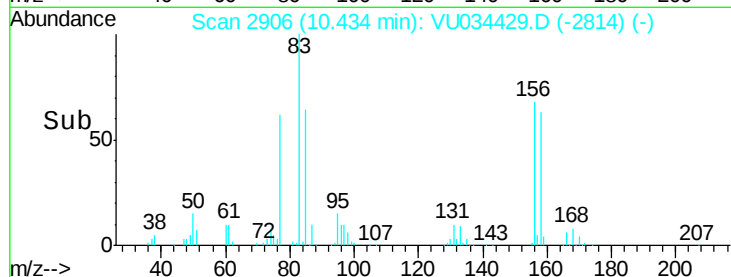
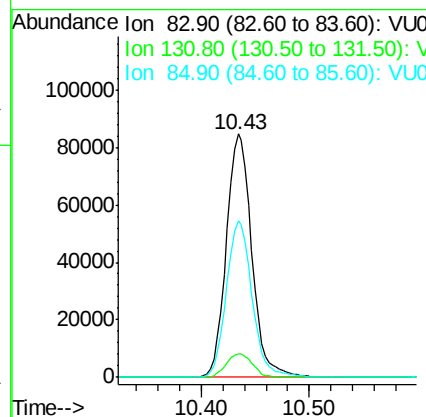
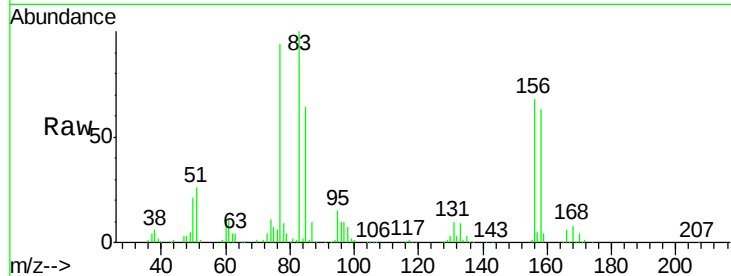
131 10.0 5.1 15.2

85 65.1 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 19.821 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

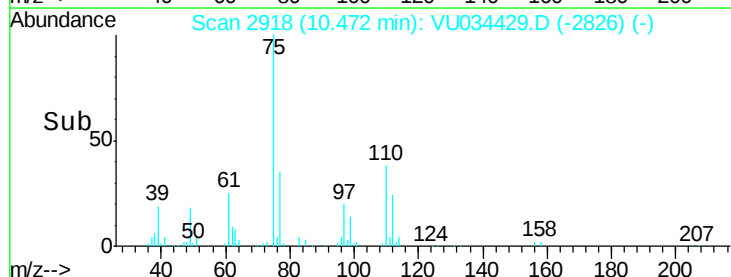
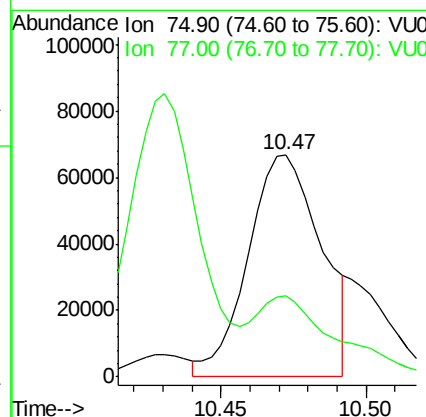
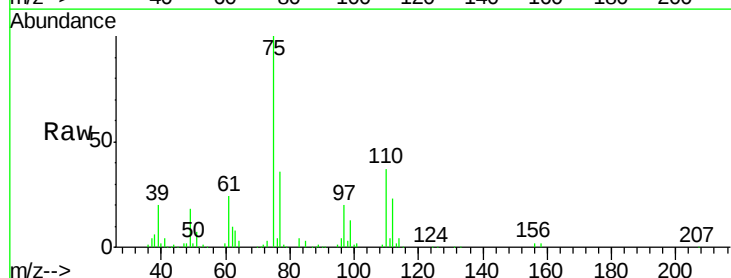
Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Tgt Ion: 75 Resp: 116579
Ion Ratio Lower Upper

75 100

77 41.6 20.8 62.2





#77

Bromobenzene

Concen: 20.130 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleId :

VU0909WBSD01

Tot Ion:156 Resp: 98698

Ion Ratio Lower Upper

156 100

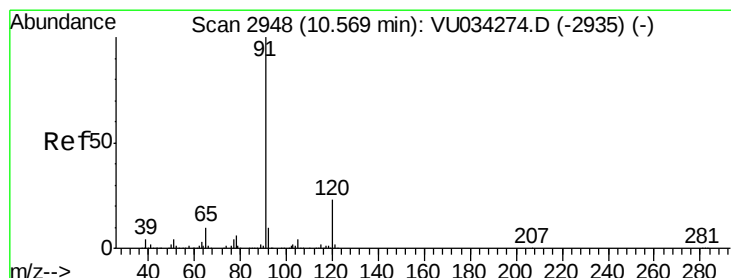
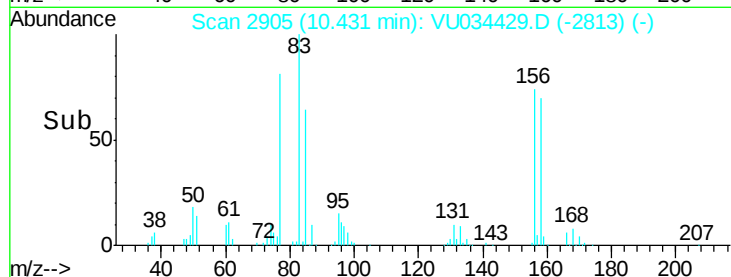
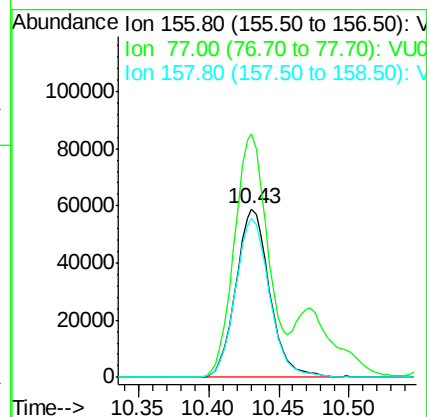
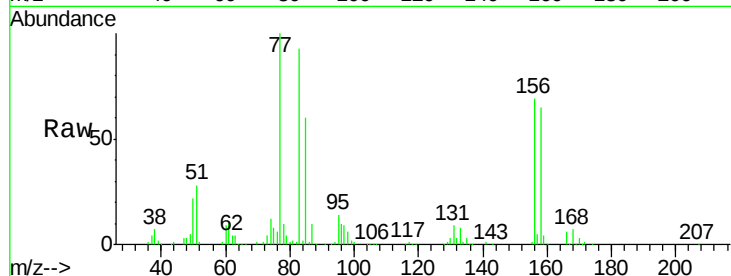
77 144.2 75.6 226.9

158 95.9 48.2 144.6

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#78

n-propylbenzene

Concen: 19.418 ug/l

RT: 10.57 min Scan# 2947

Delta R.T. -0.00 min

Lab File: VU034429.D

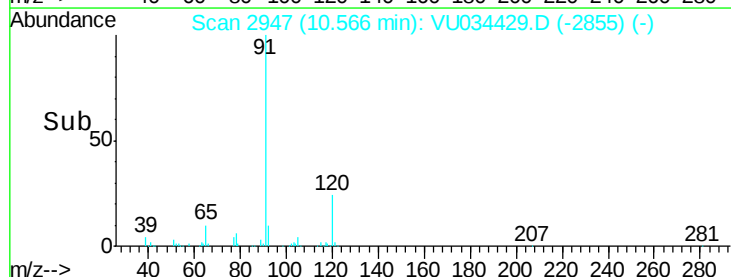
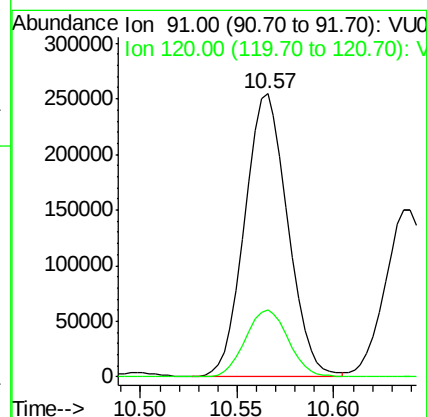
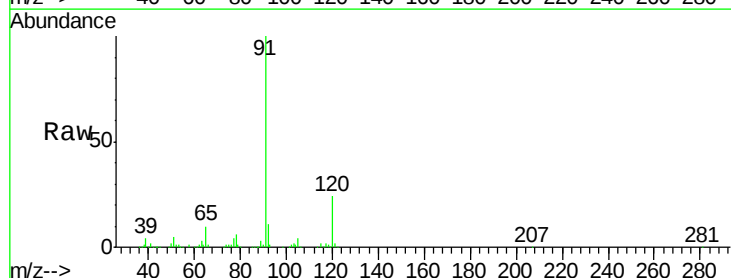
Acq: 09 Sep 2019 13:36

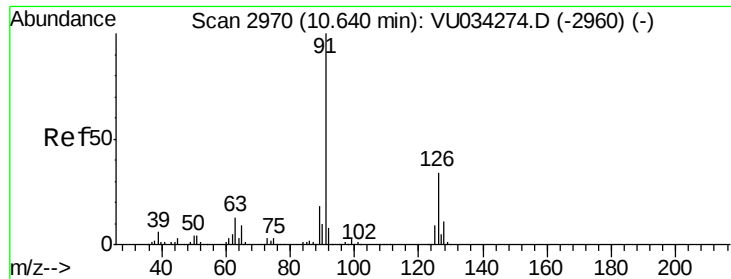
Tgt Ion: 91 Resp: 393230

Ion Ratio Lower Upper

91 100

120 24.0 11.7 35.0





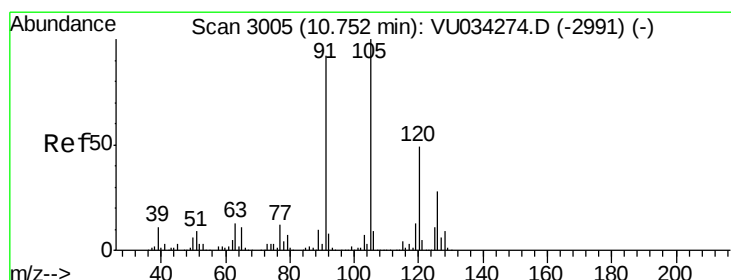
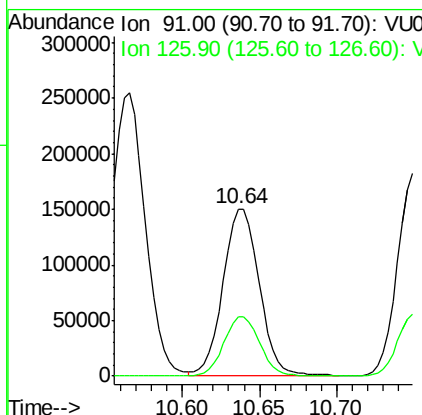
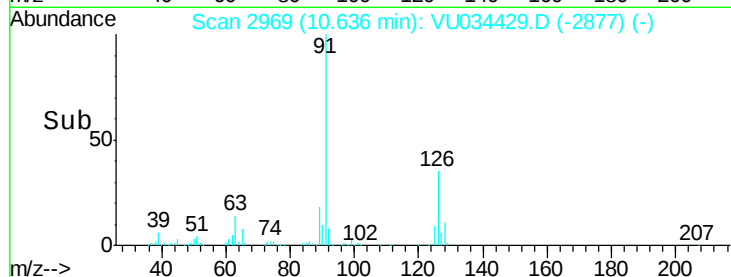
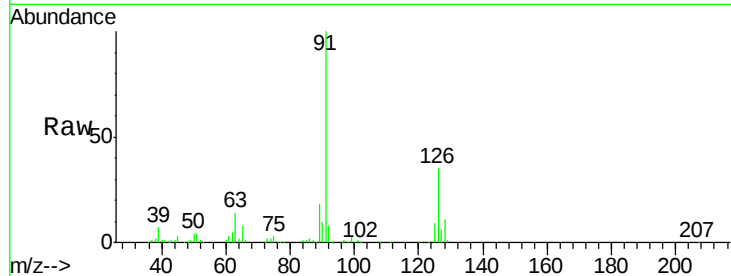
#79
 2-Chlorotoluene
 Concen: 19.670 ug/l
 RT: 10.64 min Scan# 2969
 Delta R.T. -0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion: 91 Resp: 243057
 Ion Ratio Lower Upper
 91 100
 126 35.5 17.3 51.9

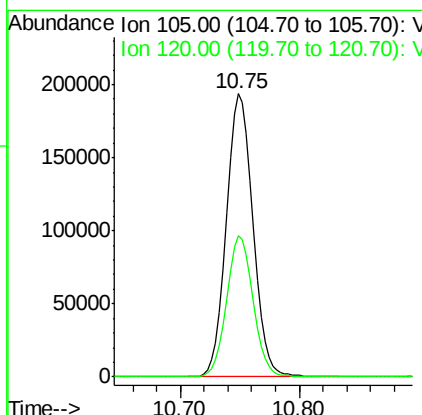
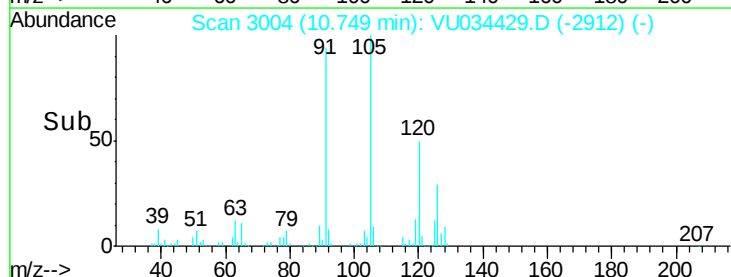
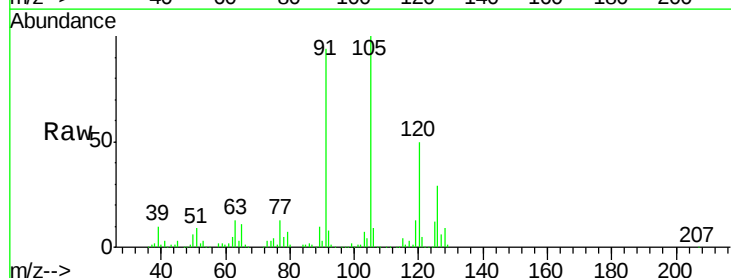
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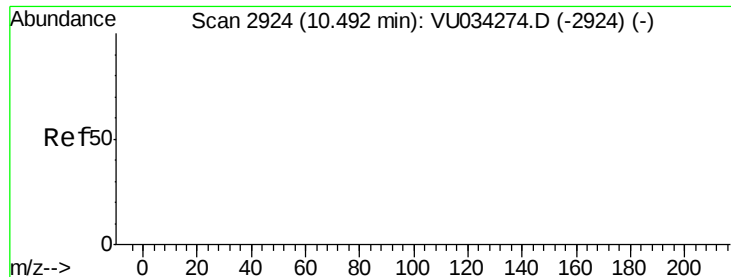
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.443 ug/l
 RT: 10.75 min Scan# 3004
 Delta R.T. -0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion: 105 Resp: 299793
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 20.801 ug/l m

RT: 10.49 min Scan# 2923

Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

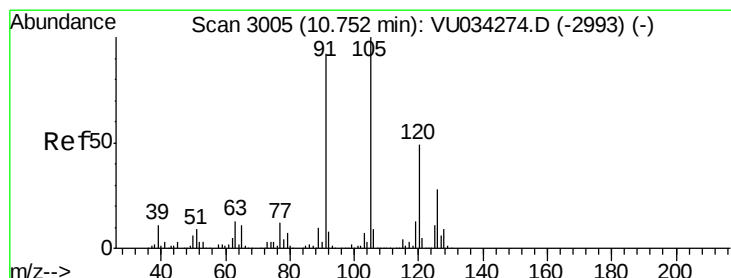
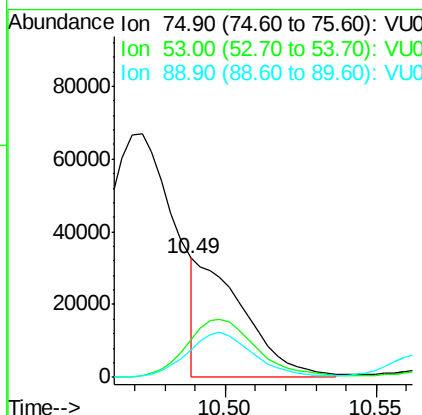
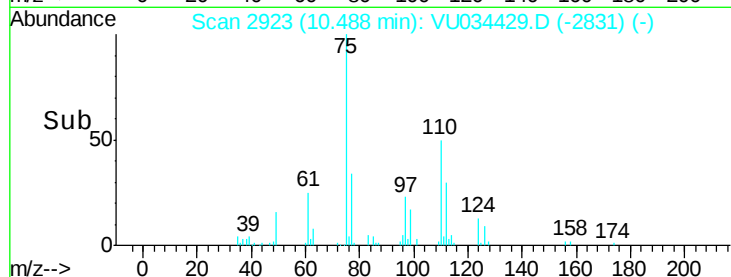
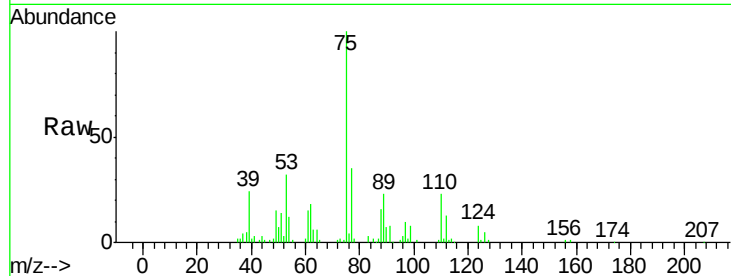
Instrument :
MSVOA_U

ClientSampleId :
VU0909WBSD01

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

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#82

4-Chlorotoluene

Concen: 19.828 ug/l

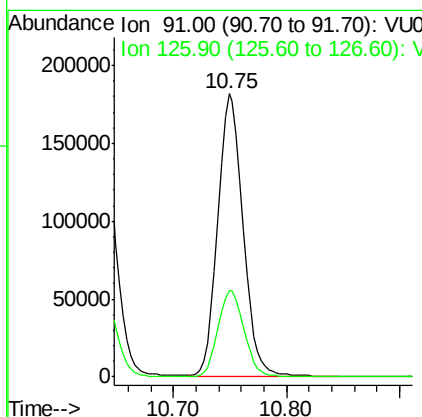
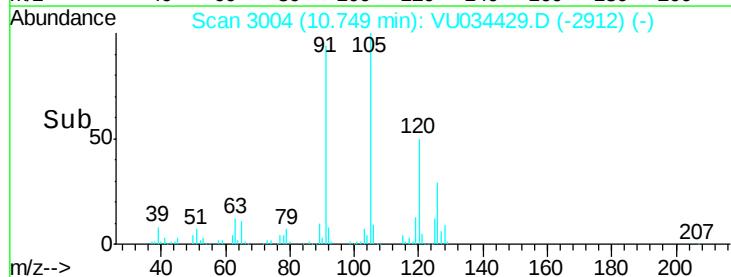
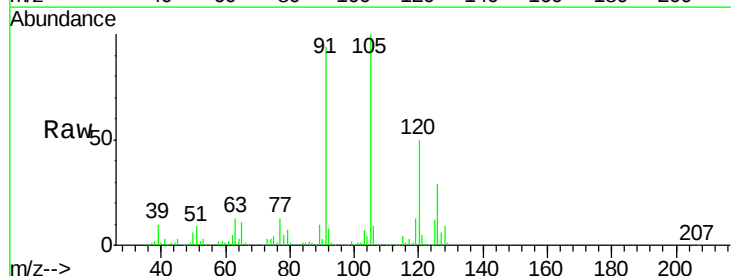
RT: 10.75 min Scan# 3004

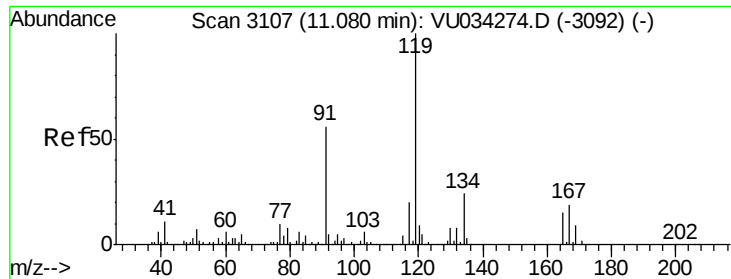
Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.4	15.3	45.8





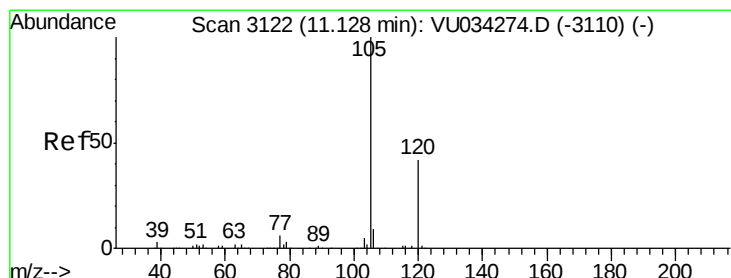
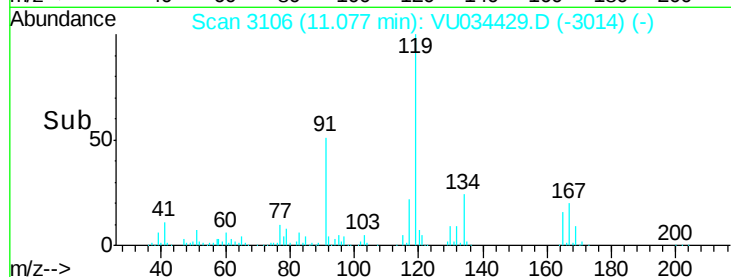
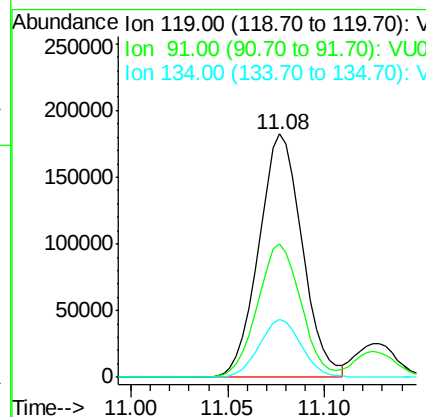
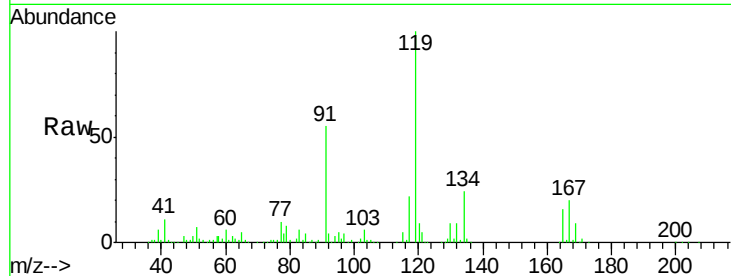
#83
tert-Butylbenzene
Concen: 19.456 ug/l
RT: 11.08 min Scan# 3106
Delta R.T. -0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	285442		
91	54.6		27.8	83.4
134	23.3		11.7	35.0

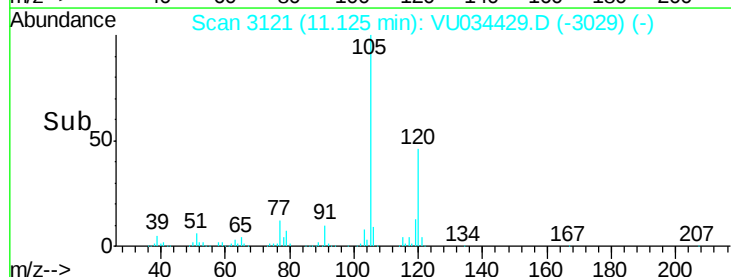
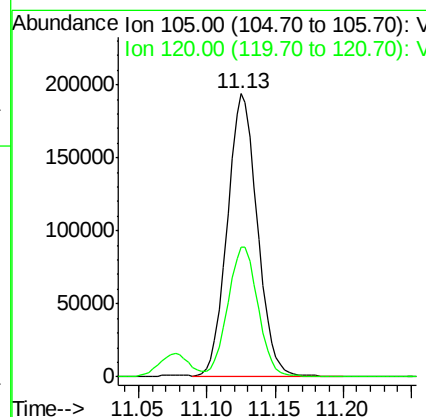
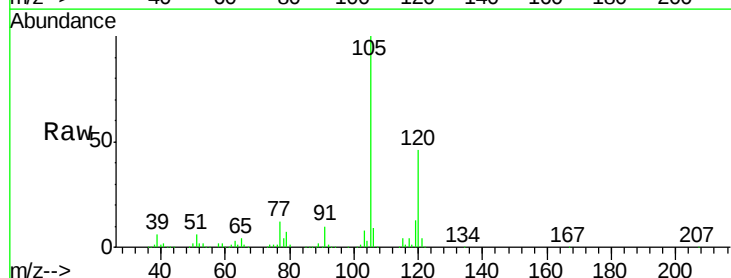
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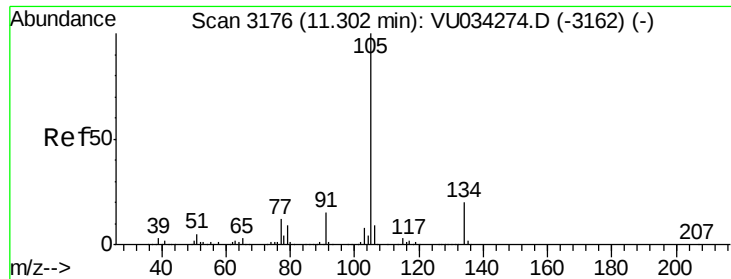
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#84
1,2,4-Trimethylbenzene
Concen: 19.952 ug/l
RT: 11.13 min Scan# 3121
Delta R.T. -0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294529		
120	46.5		22.9	68.8





#85

sec-Butylbenzene

Concen: 19.857 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

ClientSampleID :

VU0909WBSD01

Tot Ion:105 Resp: 343919

Ion Ratio Lower Upper

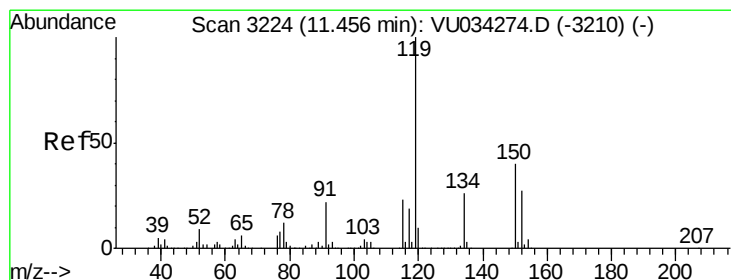
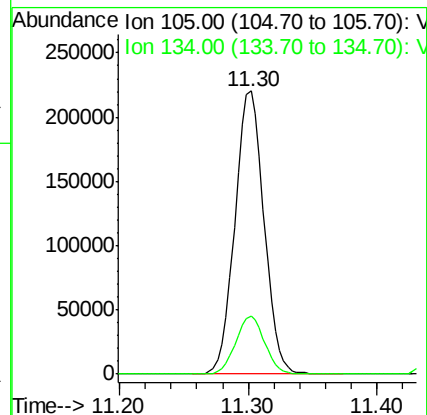
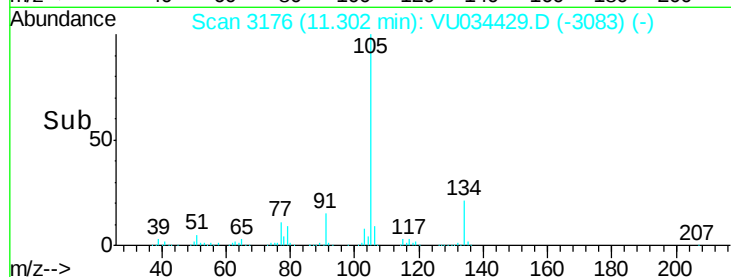
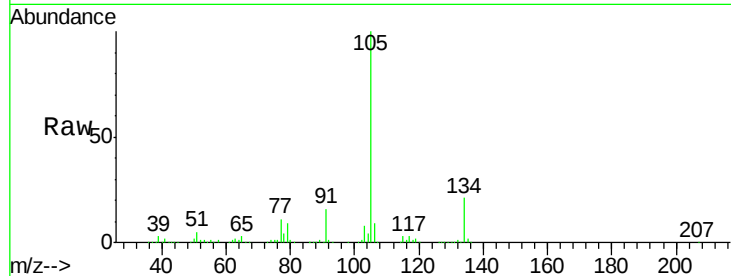
105 100

134 20.3 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 19.860 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

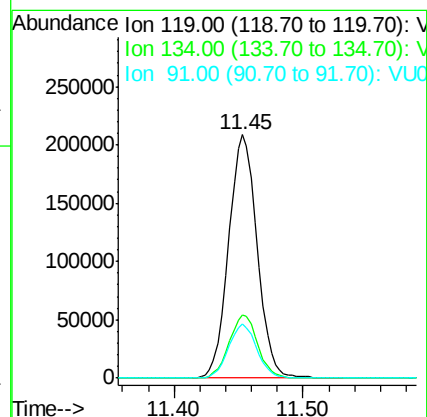
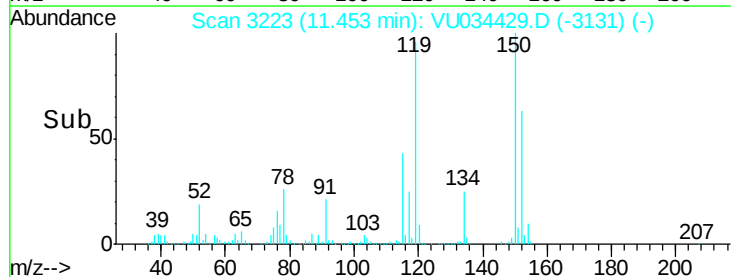
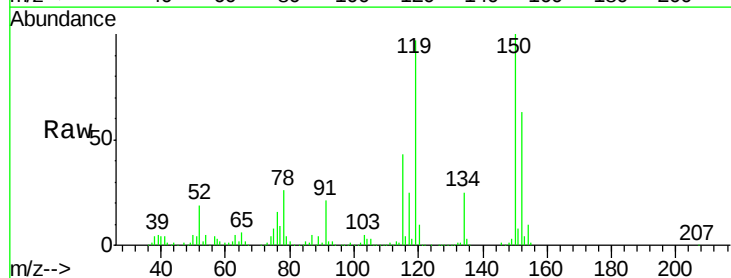
Tgt Ion:119 Resp: 317486

Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.1 11.2 33.6





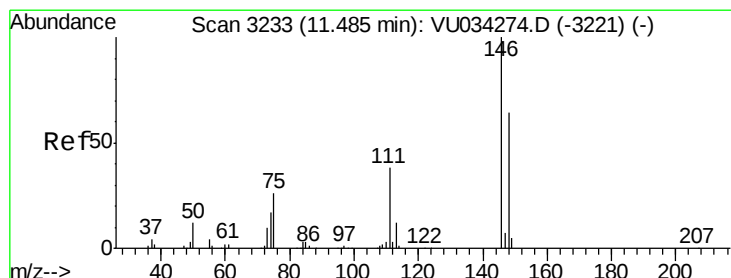
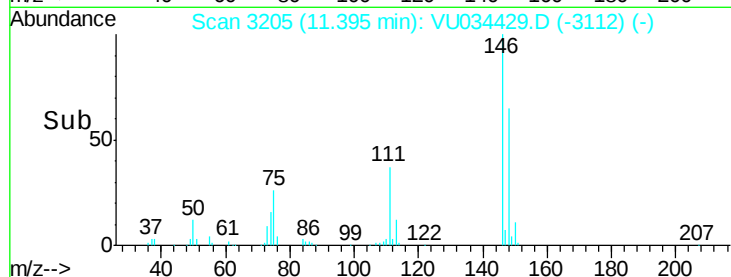
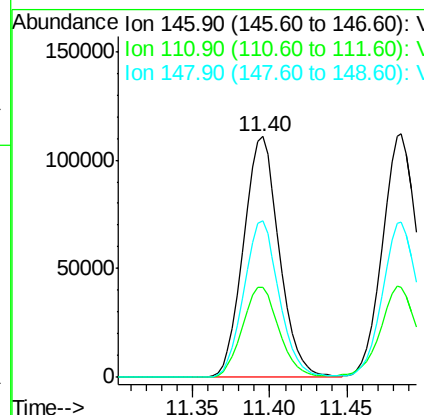
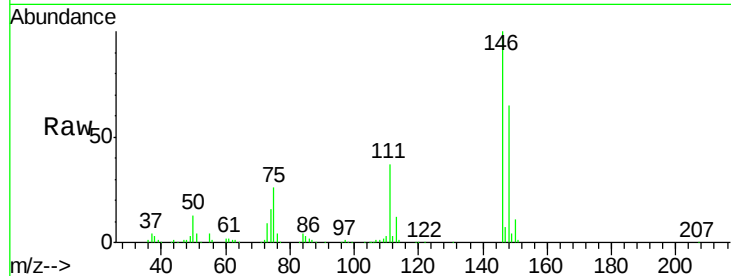
#87
 1,3-Dichlorobenzene
 Concen: 19.919 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampled :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.5	58.5
148	64.1	32.1	96.3

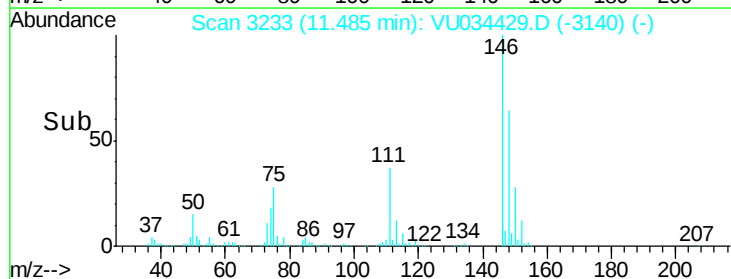
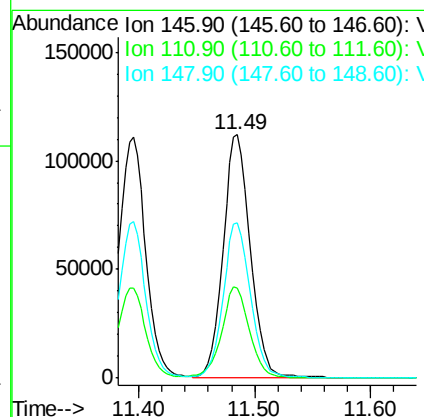
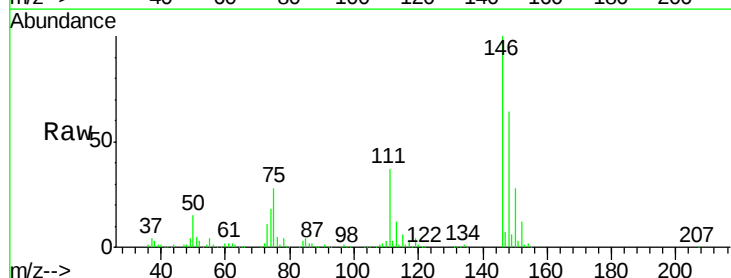
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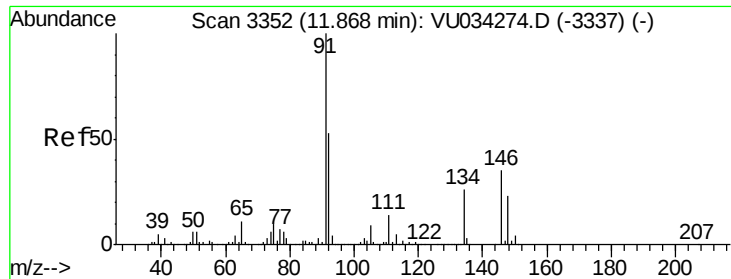
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#88
 1,4-Dichlorobenzene
 Concen: 19.522 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.1	57.3
148	64.6	32.0	96.0





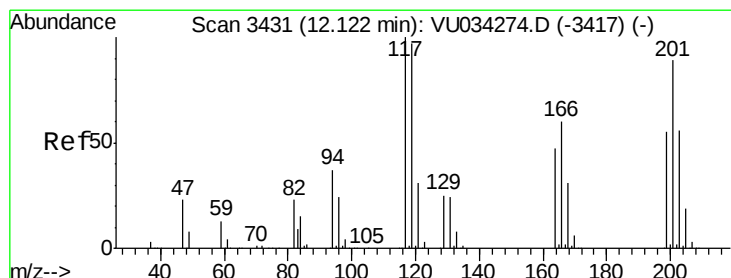
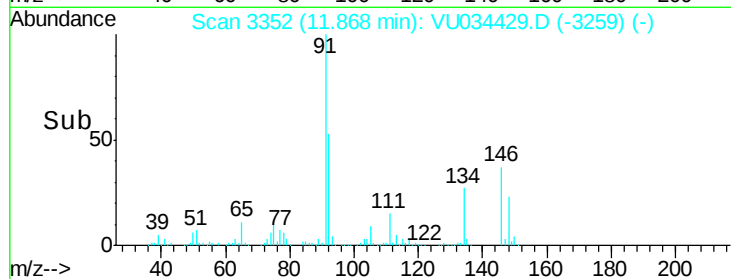
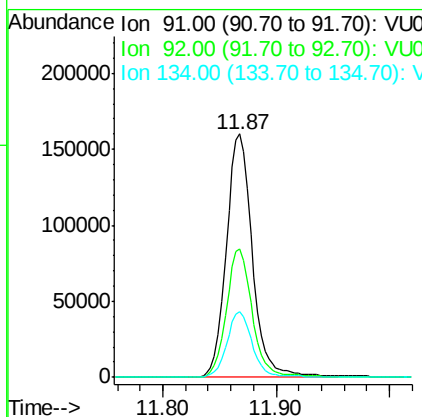
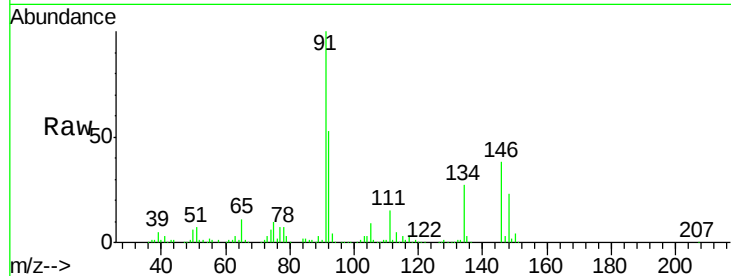
#89
n-Butylbenzene
Concen: 18.458 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Instrument :
MSVOA_U
ClientSampleId :
VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.5	79.4
134	26.6	13.2	39.6

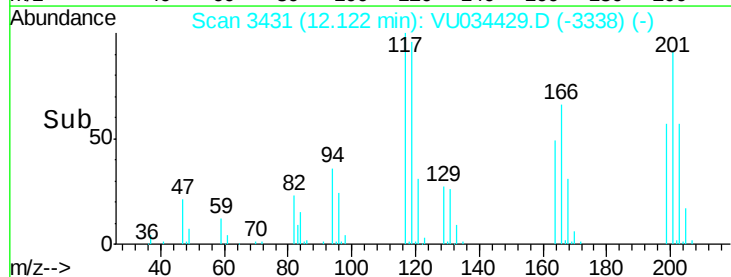
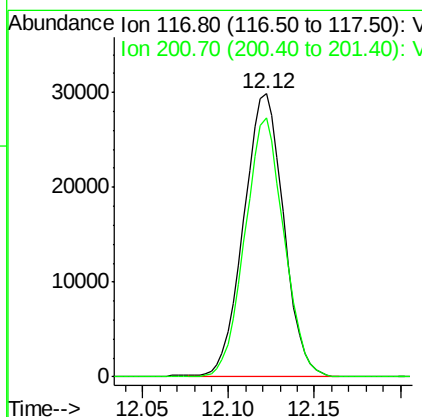
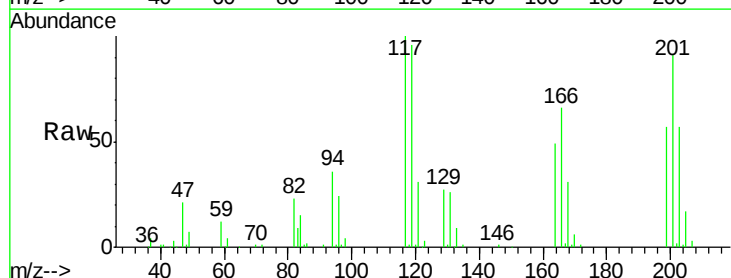
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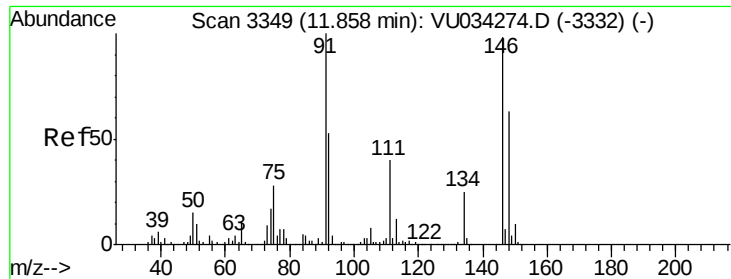
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#90
Hexachloroethane
Concen: 18.876 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. 0.00 min
Lab File: VU034429.D
Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.3	44.1	132.4





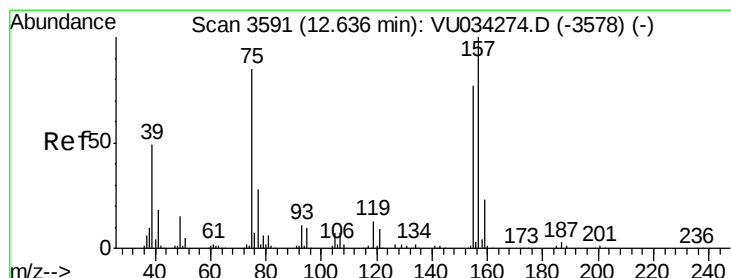
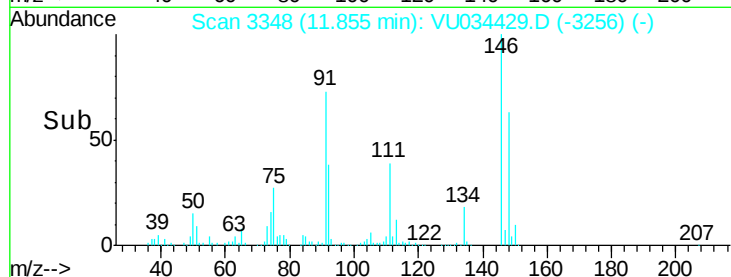
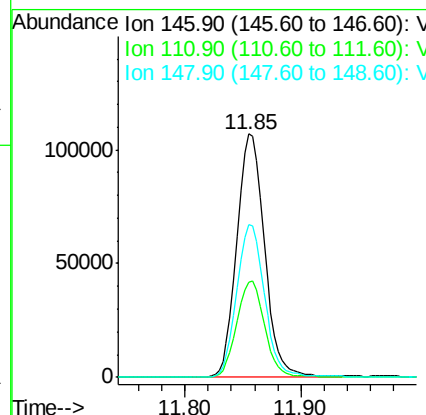
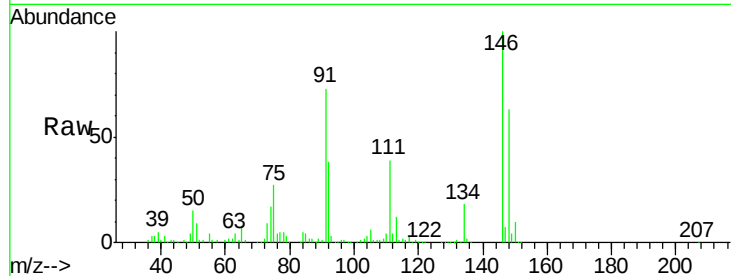
#91
 1,2-Dichlorobenzene
 Concen: 20.200 ug/l
 RT: 11.85 min Scan# 3348
 Delta R.T. -0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	60.0
148	62.9	31.6	94.8

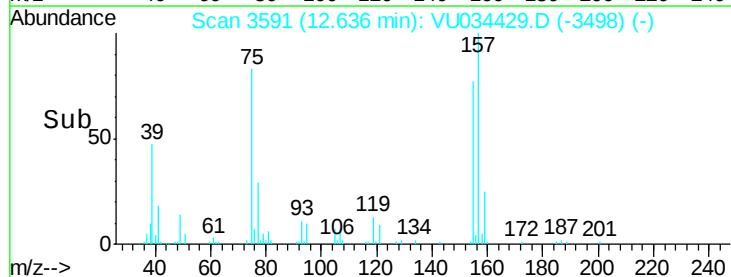
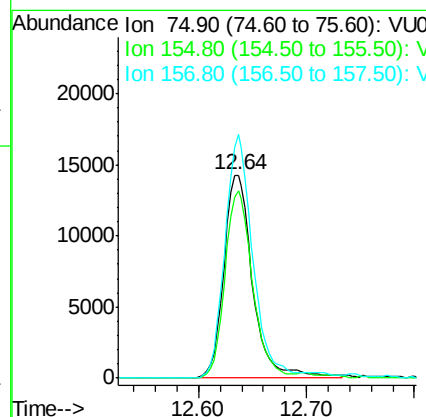
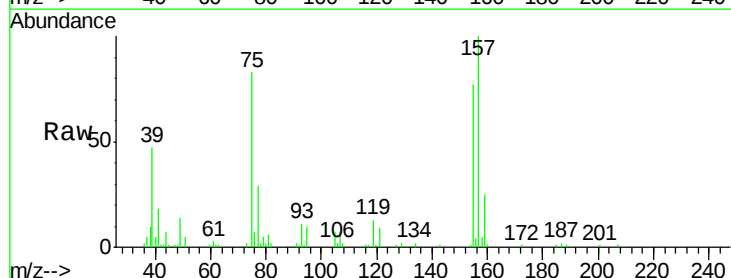
Manual Integrations
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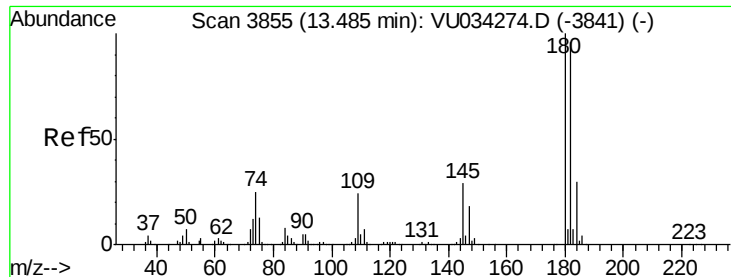
MMDadoda
 9/10/2019 4:17:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.392 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. 0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.8	44.6	134.0
157	114.3	58.2	174.6





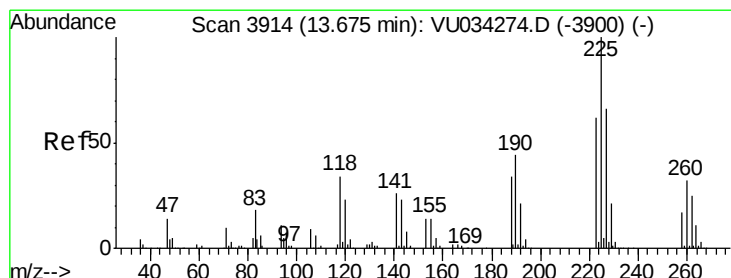
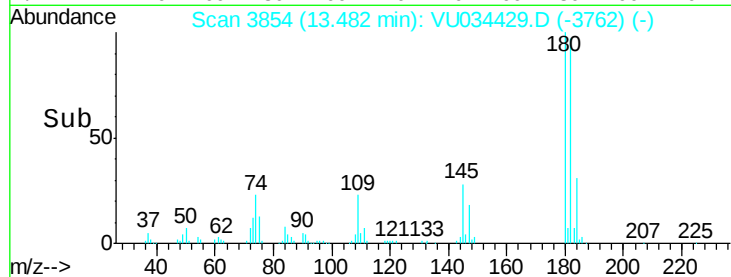
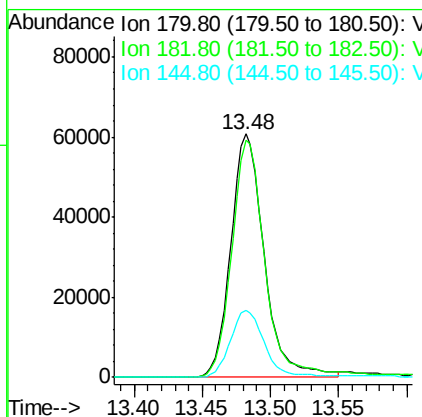
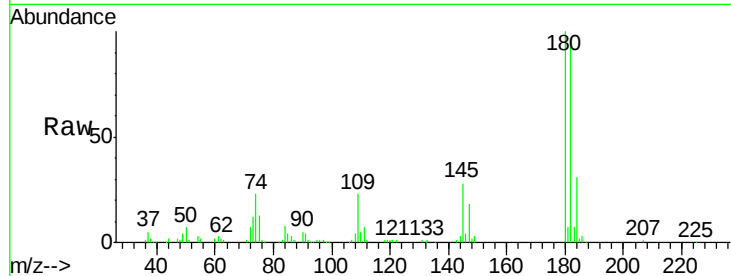
#93
 1,2,4-Trichlorobenzene
 Concen: 18.557 ug/l
 RT: 13.48 min Scan# 3854
 Delta R.T. -0.00 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0909WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.4	47.9	143.8	
145	28.6	14.4	43.0	

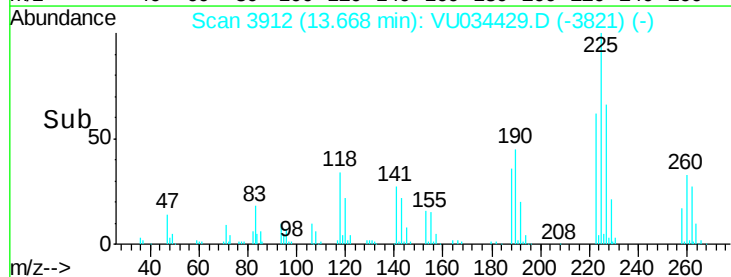
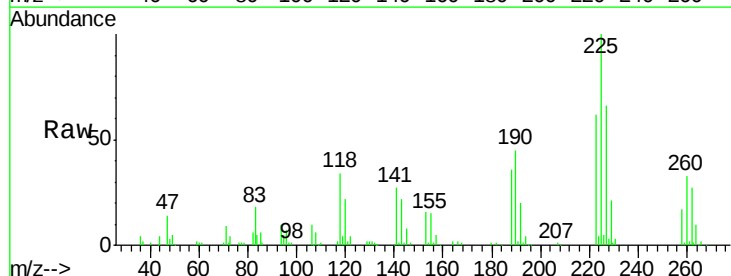
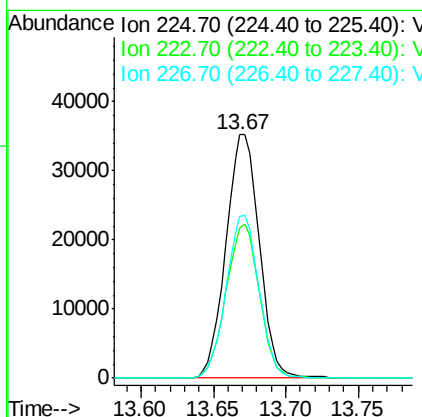
Manual Integrations
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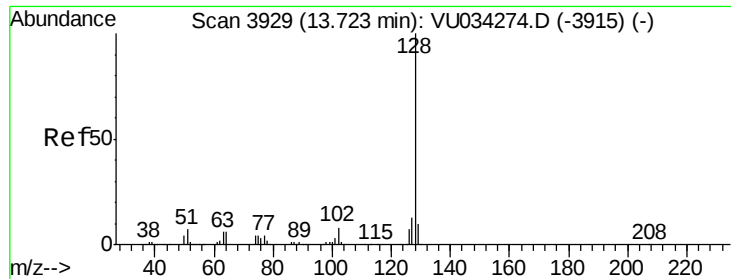
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 9/10/2019 4:17:28 PM



#94
 Hexachlorobutadiene
 Concen: 18.270 ug/l
 RT: 13.67 min Scan# 3912
 Delta R.T. -0.01 min
 Lab File: VU034429.D
 Acq: 09 Sep 2019 13:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.6	94.7	
227	65.5	32.3	96.8	





#95

Naphthalene

Concen: 17.828 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Instrument :

MSVOA_U

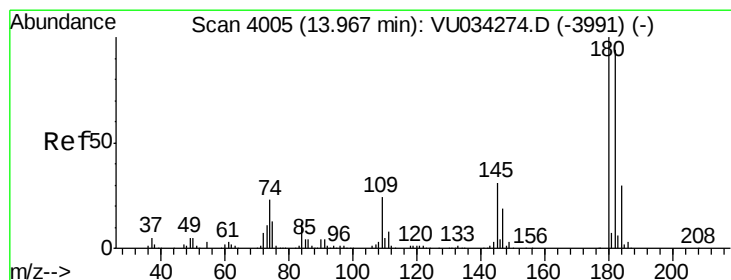
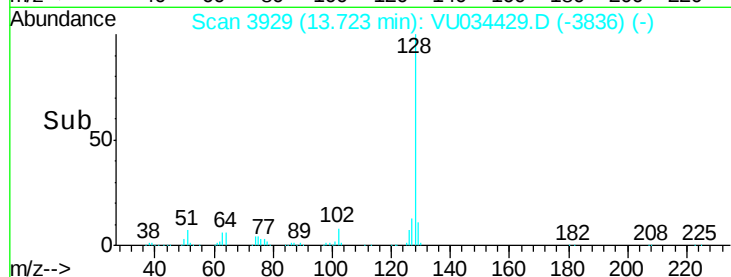
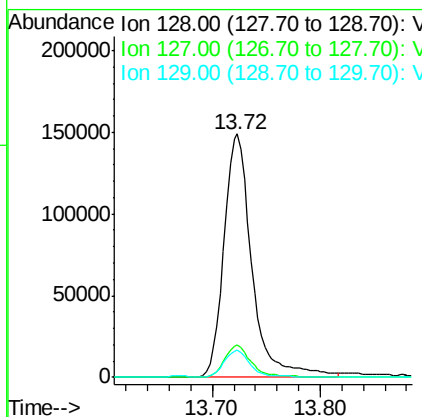
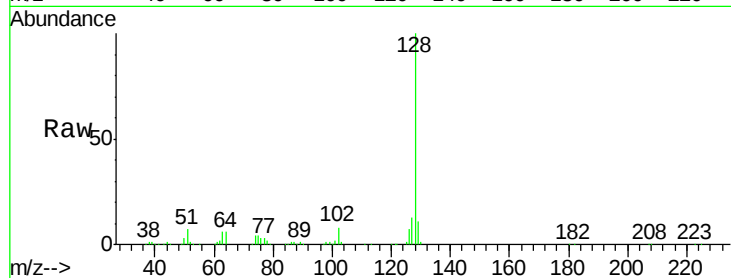
ClientSampleId :

VU0909WBSD01

Tot Ion:	128	Resp:	270388
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.6	15.8
129	10.3	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 18.954 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034429.D

Acq: 09 Sep 2019 13:36

Tgt Ion:	180	Resp:	106096
Ion Ratio	Lower	Upper	
180	100		
182	97.6	48.4	145.0
145	31.2	15.4	46.4

