

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU091219\
 Data File : VU034513.D
 Acq On : 12 Sep 2019 12:19
 Operator : JC/SP
 Sample : VU0912WBS02
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/16/2019 11:16:31 AM

Quant Time: Sep 13 07:36:05 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	245156	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.86	114	349208	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.07	117	347896	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.46	152	233816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.29	65	196244	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
35) Dibromofluoromethane	4.86	113	174567	53.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.44%	
50) Toluene-d8	7.54	98	651818	53.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.78%	
62) 4-Bromofluorobenzene	10.29	95	240902	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	50075	19.530	ug/l	99
3) Chloromethane	1.32	50	59623	21.475	ug/l	99
4) Vinyl Chloride	1.40	62	61837	19.354	ug/l	99
5) Bromomethane	1.62	94	38838	21.528	ug/l	97
6) Chloroethane	1.69	64	41056	21.538	ug/l	94
7) Trichlorofluoromethane	1.88	101	90254	21.068	ug/l	100
8) Diethyl Ether	2.09	74	40045	21.251	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.28	101	59823	21.084	ug/l	98
10) Methyl Iodide	2.40	142	39589	17.924	ug/l	98
11) Tert butyl alcohol	2.81	59	91454	116.705	ug/l	97
12) 1,1-Dichloroethene	2.27	96	56314	21.113	ug/l	97
13) Acrolein	2.18	56	37276	56.596	ug/l	100
14) Allyl chloride	2.58	41	102477m	20.096	ug/l	
15) Acrylonitrile	2.92	53	218072	111.749	ug/l	99
16) Acetone	2.31	43	190566	99.277	ug/l	97
17) Carbon Disulfide	2.47	76	107004	17.849	ug/l	100
18) Methyl Acetate	2.60	43	99365	21.274	ug/l	97
19) Methyl tert-butyl Ether	2.98	73	216045	22.222	ug/l	99
20) Methylene Chloride	2.69	84	72260	22.765	ug/l	99
21) trans-1,2-Dichloroethene	2.97	96	57590	20.489	ug/l	98
22) Diisopropyl ether	3.55	45	224655	22.591	ug/l	95
23) Vinyl Acetate	3.51	43	876680	108.226	ug/l	99
24) 1,1-Dichloroethane	3.43	63	127885	21.534	ug/l	100
25) 2-Butanone	4.24	43	278526	108.700	ug/l	99
26) 2,2-Dichloropropane	4.20	77	103621	21.694	ug/l	99
27) cis-1,2-Dichloroethene	4.21	96	74680	21.876	ug/l	97
28) Bromochloromethane	4.52	49	64381	23.569	ug/l	98
29) Tetrahydrofuran	4.62	42	170557	109.388	ug/l	99
30) Chloroform	4.65	83	132199	21.900	ug/l	100
31) Cyclohexane	4.97	56	85234	19.618	ug/l	98
32) 1,1,1-Trichloroethane	4.89	97	106594	22.086	ug/l	99
36) 1,1-Dichloropropene	5.12	75	78915	20.837	ug/l	99
37) Ethyl Acetate	4.36	43	96664	21.588	ug/l	99
38) Carbon Tetrachloride	5.11	117	90844	22.466	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	6.40	83	79015	19.517	ug/l	97
40) Benzene	5.37	78	270614	22.144	ug/l	99
41) Methacrylonitrile	4.52	41	54321	22.775	ug/l	99
42) 1,2-Dichloroethane	5.39	62	95215	22.441	ug/l	100
43) Isopropyl Acetate	5.53	43	152482	21.829	ug/l	99
44) Trichloroethene	6.17	130	73494	21.733	ug/l	97
45) 1,2-Dichloropropane	6.41	63	79001	22.114	ug/l	98
46) Dibromomethane	6.54	93	50938	22.715	ug/l	100
47) Bromodichloromethane	6.74	83	105309	22.814	ug/l	99
48) Methyl methacrylate	6.60	41	70386	21.216	ug/l	98
49) 1,4-Dioxane	6.59	88	30842	425.725	ug/l	99
51) 4-Methyl-2-Pentanone	7.44	43	543581	112.424	ug/l	100
52) Toluene	7.62	92	170380	22.226	ug/l	98
53) t-1,3-Dichloropropene	7.86	75	106403	22.237	ug/l	100
54) cis-1,3-Dichloropropene	7.25	75	116558	22.194	ug/l	98
55) 1,1,2-Trichloroethane	8.04	97	81000	23.270	ug/l	99
56) Ethyl methacrylate	8.00	69	102325	21.235	ug/l	100
57) 1,3-Dichloropropane	8.22	76	126295	22.282	ug/l	99
58) 2-Chloroethyl Vinyl ether	7.11	63	164382	102.384	ug/l	100
59) 2-Hexanone	8.34	43	403081	111.592	ug/l	97
60) Dibromochloromethane	8.45	129	86335	23.124	ug/l	99
61) 1,2-Dibromoethane	8.57	107	77505	22.749	ug/l	98
64) Tetrachloroethene	8.21	164	66279	21.960	ug/l	96
65) Chlorobenzene	9.10	112	194250	22.008	ug/l	99
66) 1,1,1,2-Tetrachloroethane	9.19	131	76614	22.745	ug/l	100
67) Ethyl Benzene	9.23	91	312879	21.680	ug/l	98
68) m/p-Xylenes	9.35	106	246155	45.296	ug/l	99
69) o-Xylene	9.76	106	117482	22.106	ug/l	99
70) Styrene	9.77	104	214597	23.031	ug/l	99
71) Bromoform	9.94	173	67033	22.962	ug/l #	99
73) Isopropylbenzene	10.14	105	329006	21.622	ug/l	99
74) N-amyl acetate	9.99	43	126615	20.672	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.43	83	135771	22.044	ug/l	100
76) 1,2,3-Trichloropropane	10.47	75	113649m	22.268	ug/l	
77) Bromobenzene	10.43	156	91389	21.480	ug/l	99
78) n-propylbenzene	10.57	91	380639	21.660	ug/l	100
79) 2-Chlorotoluene	10.64	91	235743	21.986	ug/l	99
80) 1,3,5-Trimethylbenzene	10.75	105	286810	22.538	ug/l	100
81) trans-1,4-Dichloro-2-buten	10.49	75	30235m	19.922	ug/l	
82) 4-Chlorotoluene	10.75	91	273566	22.170	ug/l	100
83) tert-Butylbenzene	11.08	119	276639	21.730	ug/l	99
84) 1,2,4-Trimethylbenzene	11.12	105	284234	22.188	ug/l	100
85) sec-Butylbenzene	11.30	105	328733	21.872	ug/l	100
86) p-Isopropyltoluene	11.45	119	301916	21.764	ug/l	99
87) 1,3-Dichlorobenzene	11.40	146	168269	21.674	ug/l	99
88) 1,4-Dichlorobenzene	11.49	146	174320	21.527	ug/l	99
89) n-Butylbenzene	11.87	91	253703	21.045	ug/l	100
90) Hexachloroethane	12.12	117	46325	20.873	ug/l	98
91) 1,2-Dichlorobenzene	11.86	146	169690	22.239	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	12.64	75	24796	21.909	ug/l	97

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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	98289	19.987	ug/l	100
94) Hexachlorobutadiene	13.67	225	53900	20.195	ug/l	96
95) Naphthalene	13.72	128	249671	18.717	ug/l	99
96) 1,2,3-Trichlorobenzene	13.97	180	100777	20.498	ug/l	99

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

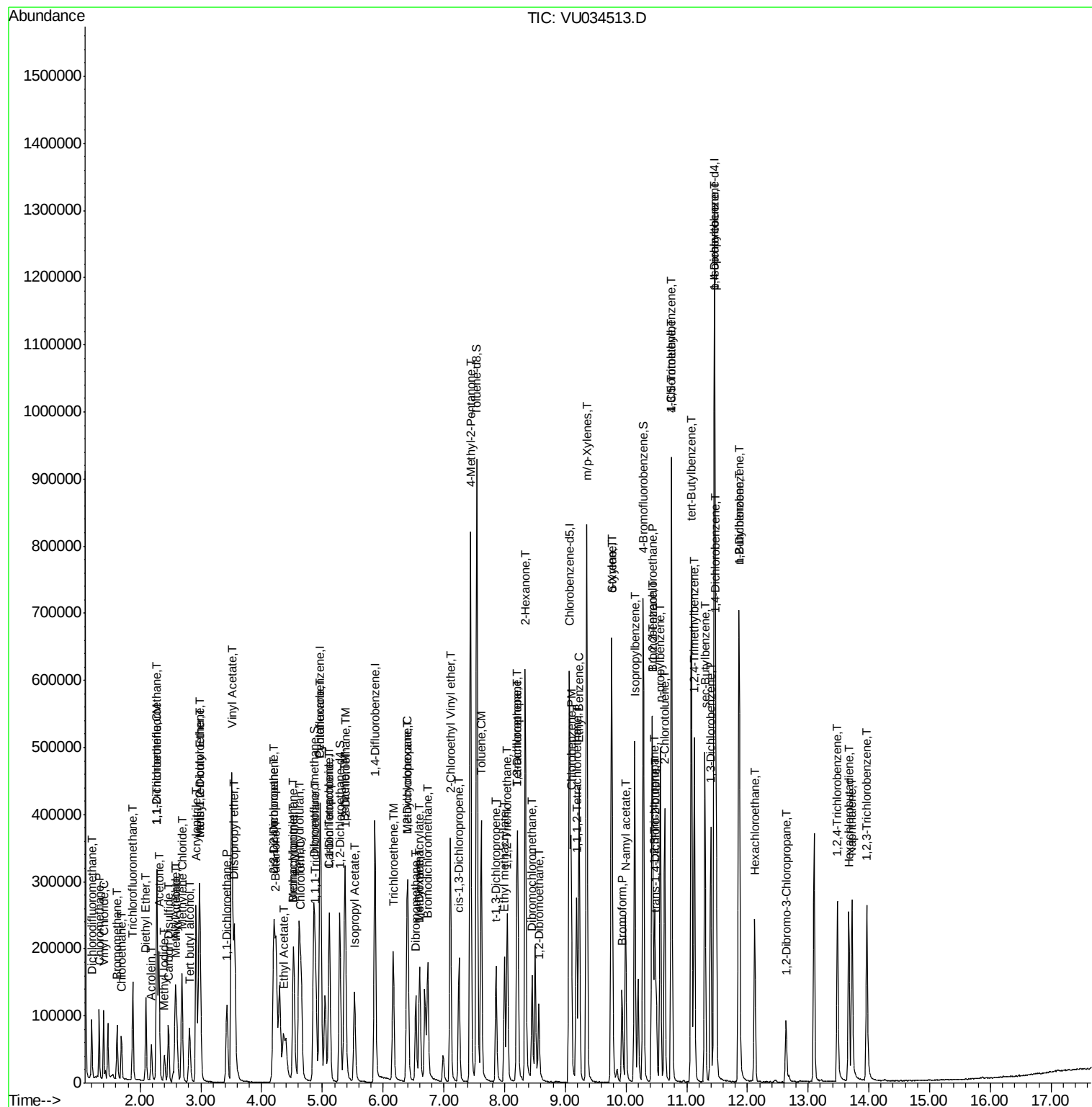
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA U\DATA\VU091219\
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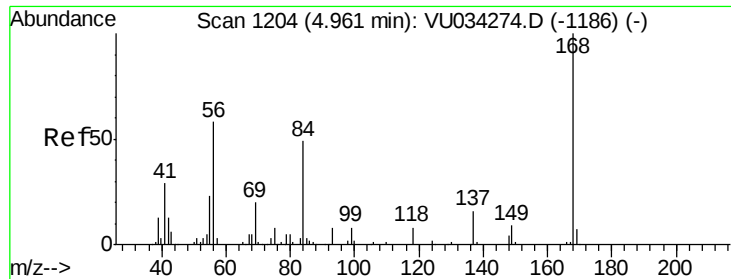
Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.96 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion:168 Resp: 245156

Ion Ratio Lower Upper

168 100

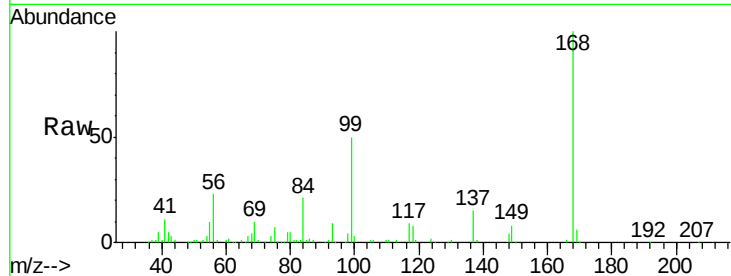
99 49.9 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VU0

120000

100000

80000

60000

40000

20000

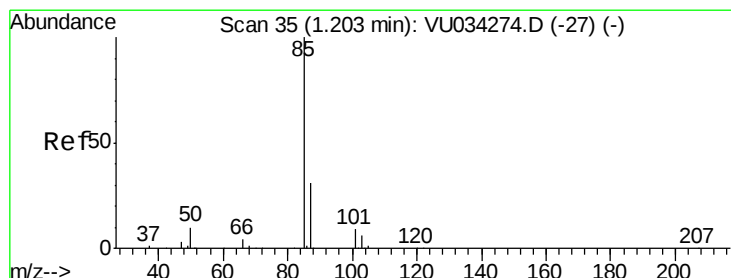
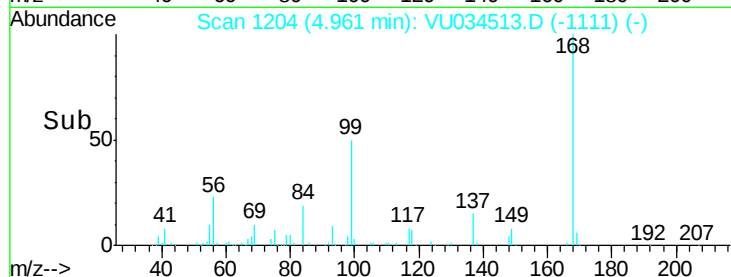
0

4.90

5.00

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.530 ug/l

RT: 1.20 min Scan# 35

Delta R.T. -0.00 min

Lab File: VU034513.D

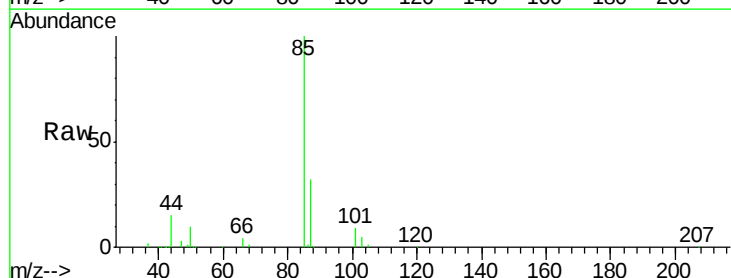
Acq: 12 Sep 2019 12:19

Tgt Ion: 85 Resp: 50075

Ion Ratio Lower Upper

85 100

87 31.9 15.7 47.0



Abundance Ion 84.90 (84.60 to 85.60): VU0

Ion 86.90 (86.60 to 87.60): VU0

60000

50000

40000

30000

20000

10000

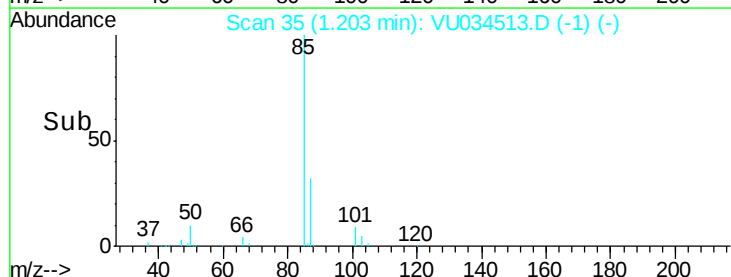
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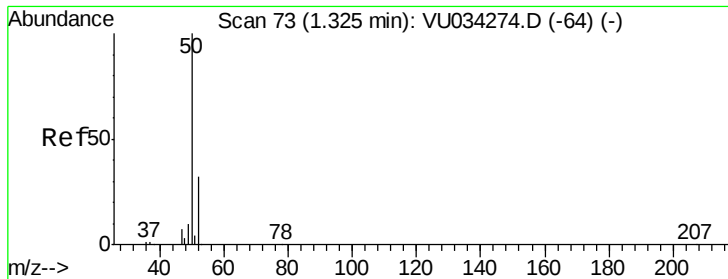
1.15

1.20

1.25

Time-->





#3

Chloromethane

Concen: 21.475 ug/l

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 50 Resp: 59623

Ion Ratio Lower Upper

50 100

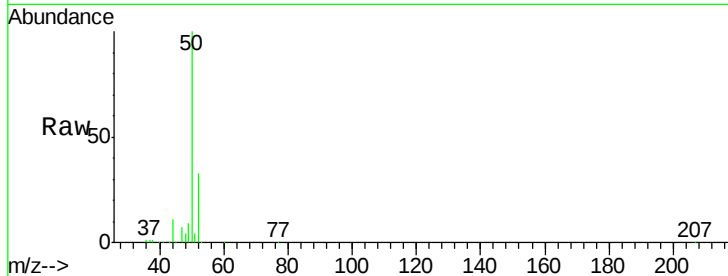
52 32.7 25.8 38.6

Manual Integrations

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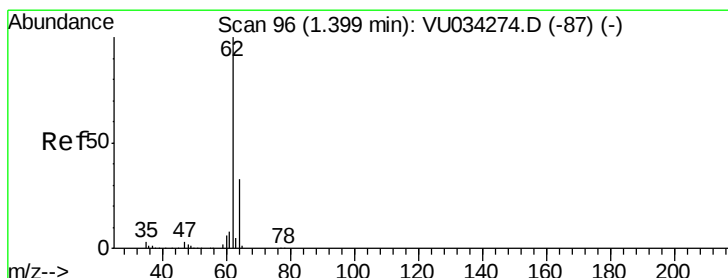
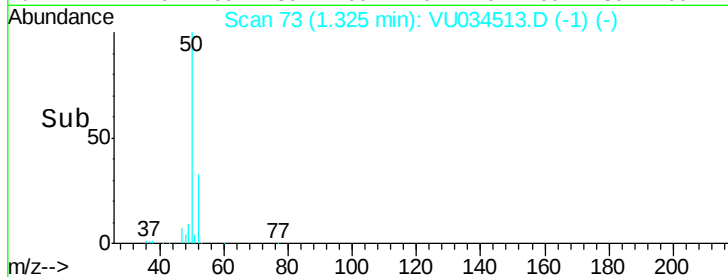
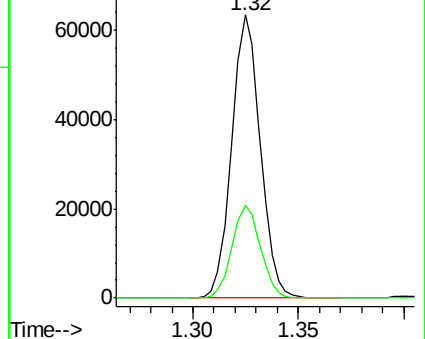
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Abundance Ion 49.90 (49.60 to 50.60): VU034274.D (-64) (-)

Ion 51.90 (51.60 to 52.60): VU034274.D (-64) (-)



#4

Vinyl Chloride

Concen: 19.354 ug/l

RT: 1.40 min Scan# 96

Delta R.T. -0.00 min

Lab File: VU034513.D

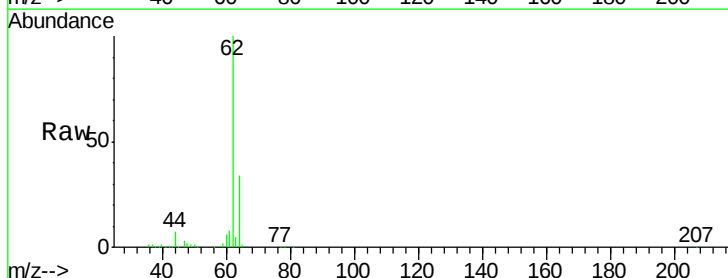
Acq: 12 Sep 2019 12:19

Tgt Ion: 62 Resp: 61837

Ion Ratio Lower Upper

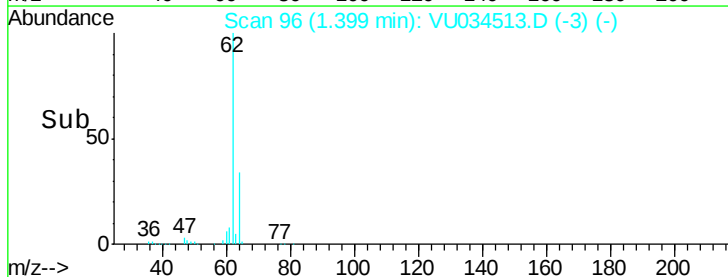
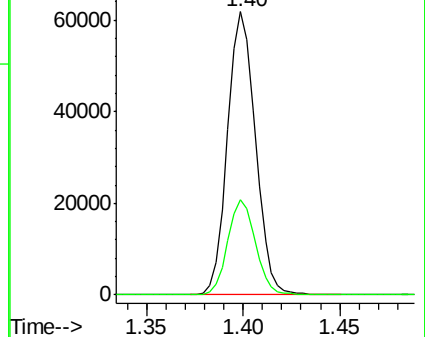
62 100

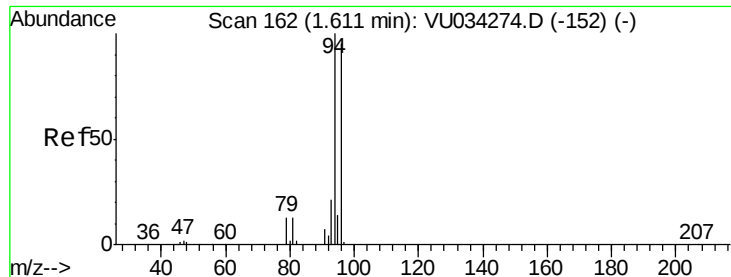
64 33.5 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VU034274.D (-87) (-)

Ion 63.90 (63.60 to 64.60): VU034274.D (-87) (-)





#5

Bromomethane

Concen: 21.528 ug/l

RT: 1.62 min Scan# 165

Delta R.T. 0.01 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

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ClientSampleId :

VU0912WBS02

Tot Ion: 94 Resp: 38838

Ion Ratio Lower Upper

94 100

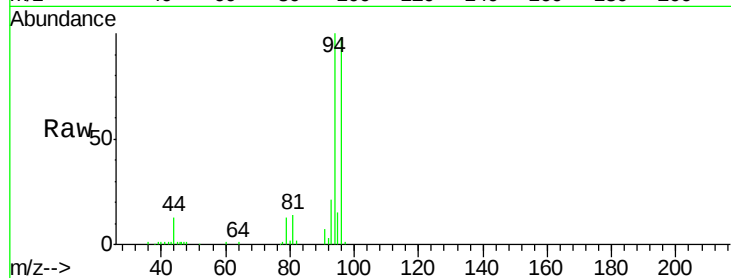
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Manual Integrations

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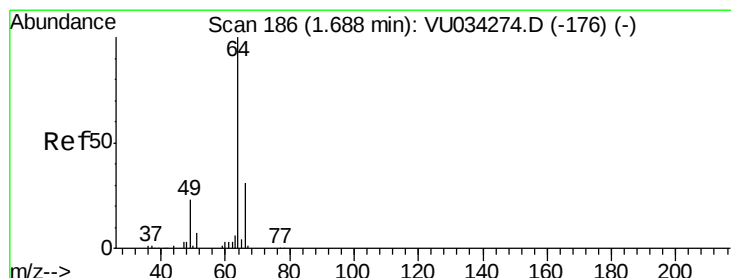
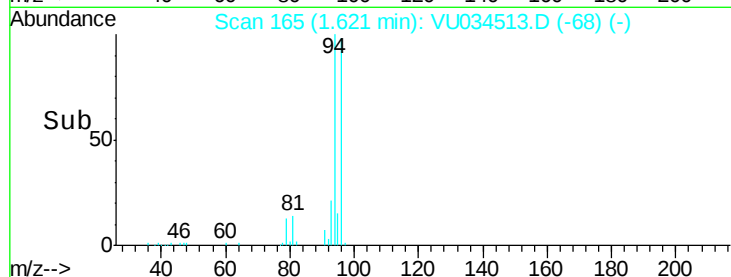
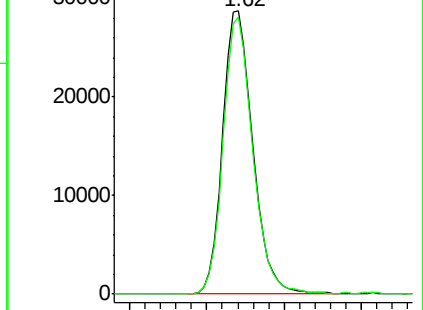
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Abundance Ion 93.90 (93.60 to 94.60): VU034513.D (-162) (-)

Ion 95.90 (95.60 to 96.60): VU034513.D (-162) (-)



#6

Chloroethane

Concen: 21.538 ug/l

RT: 1.69 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU034513.D

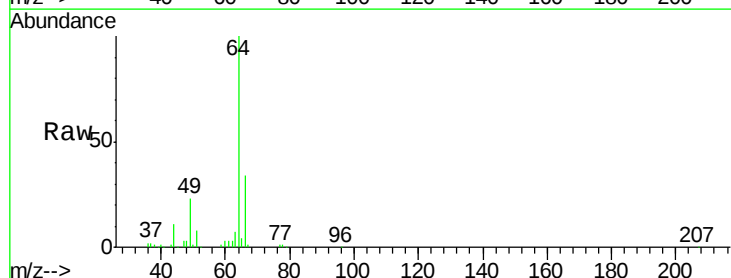
Acq: 12 Sep 2019 12:19

Tgt Ion: 64 Resp: 41056

Ion Ratio Lower Upper

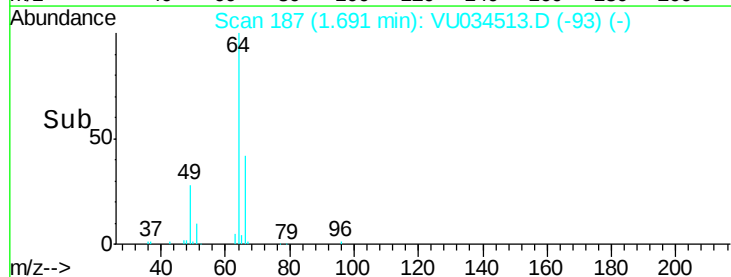
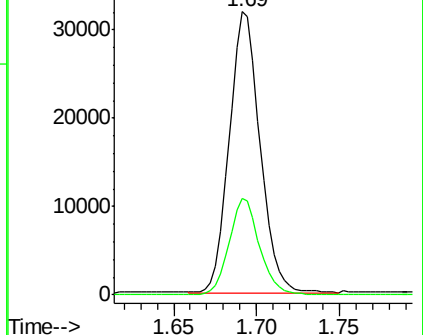
64 100

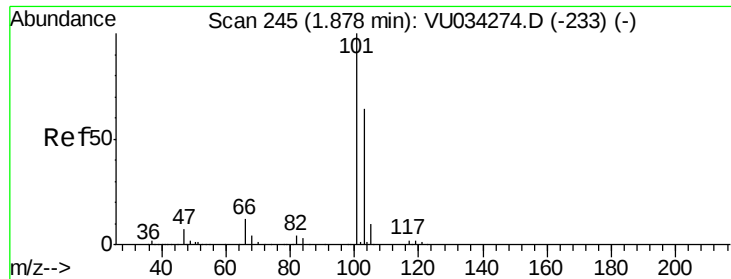
66 34.5 25.0 37.6



Abundance Ion 63.90 (63.60 to 64.60): VU034513.D (-186) (-)

Ion 65.90 (65.60 to 66.60): VU034513.D (-186) (-)





#7

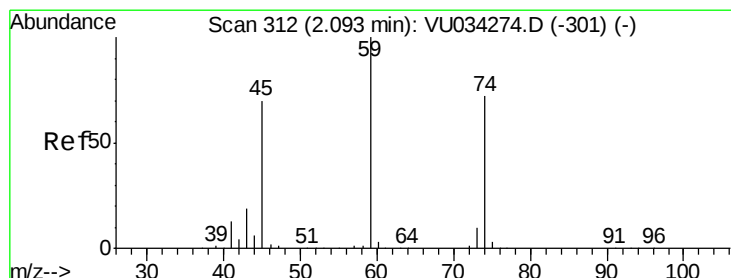
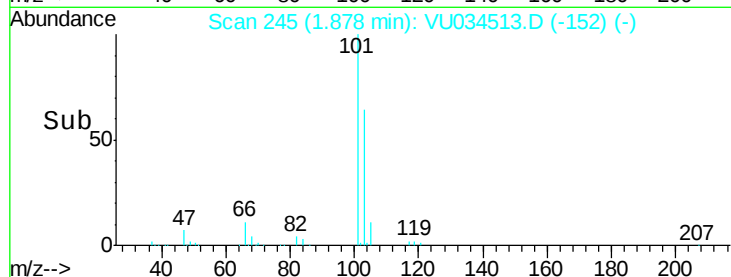
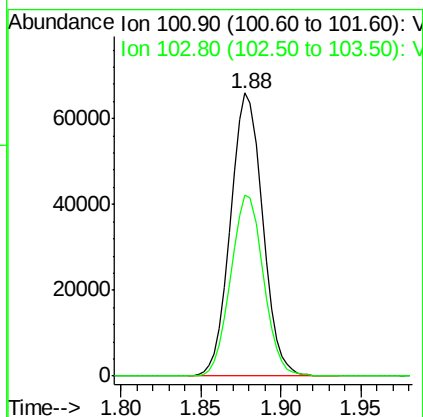
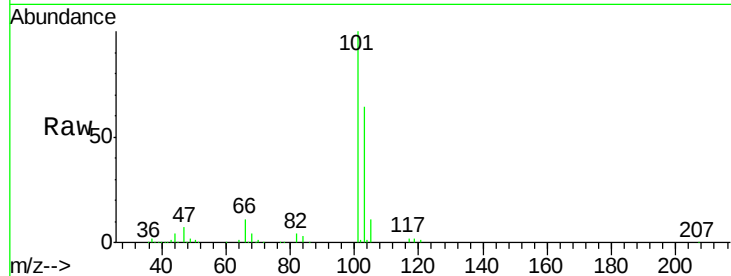
Trichlorofluoromethane
 Concen: 21.068 ug/l
 RT: 1.88 min Scan# 245
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
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 VU0912WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	51.0	76.6

Manual Integrations
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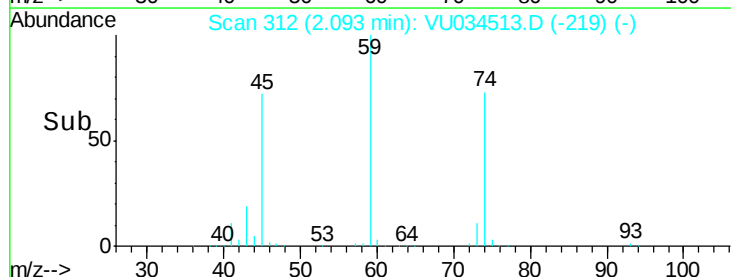
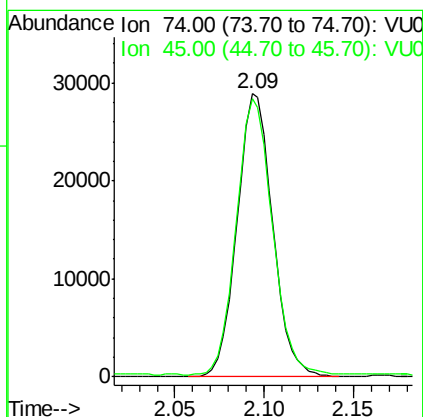
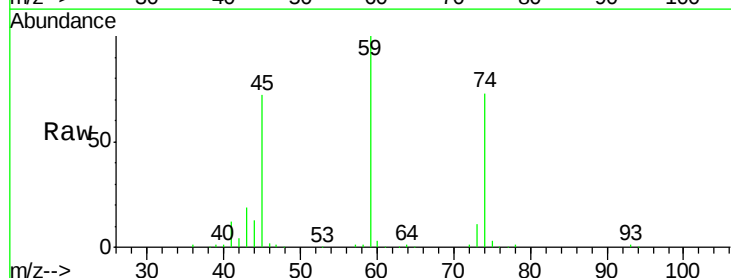
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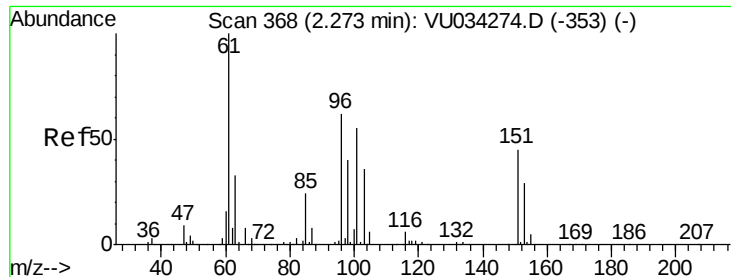


#8

Diethyl Ether
 Concen: 21.251 ug/l
 RT: 2.09 min Scan# 312
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.7	48.2	144.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.084 ug/l

RT: 2.28 min Scan# 369

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

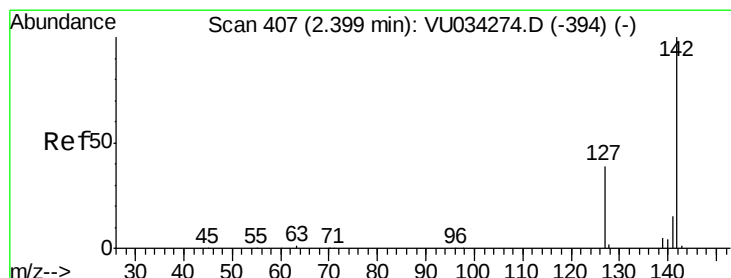
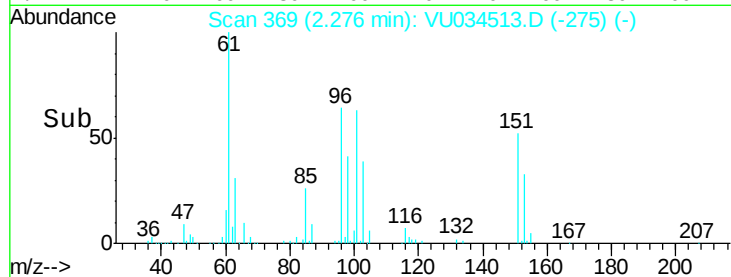
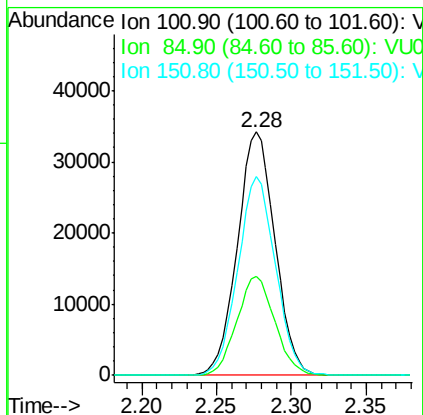
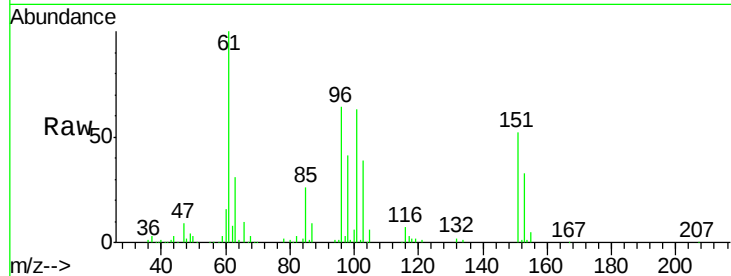
ClientSampleId :

VU0912WBS02

Tot Ion:	101	Resp:	59823
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.4	51.6
151	81.8	64.4	96.6

Manual Integrations
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#10

Methyl Iodide

Concen: 17.924 ug/l

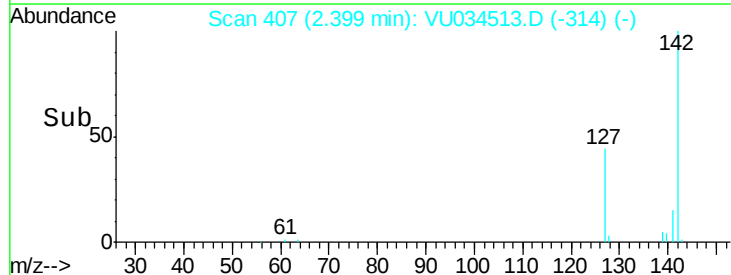
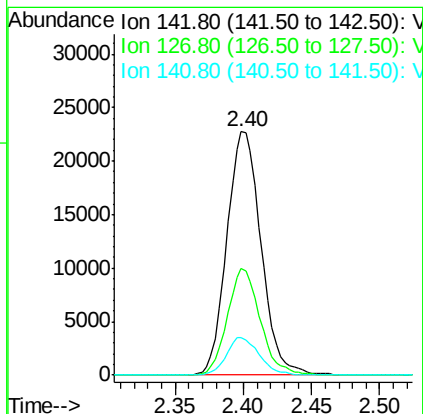
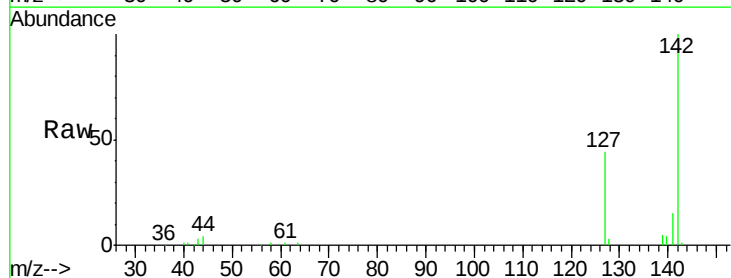
RT: 2.40 min Scan# 407

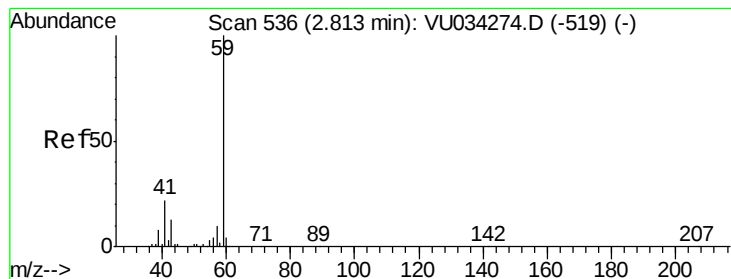
Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion:	142	Resp:	39589
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.1	48.1
141	14.8	11.5	17.3





#11

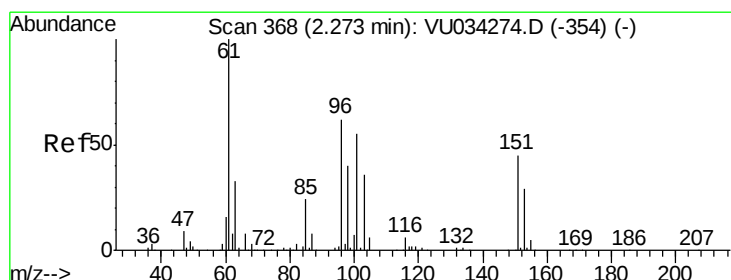
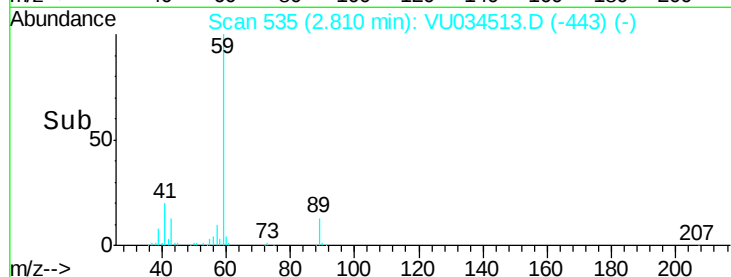
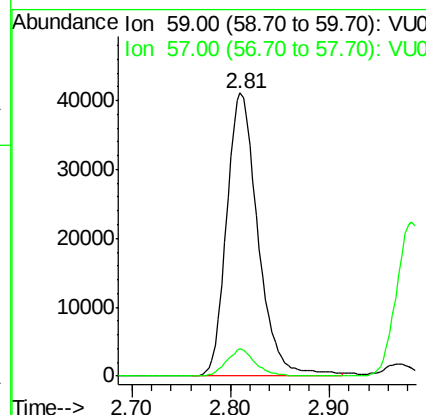
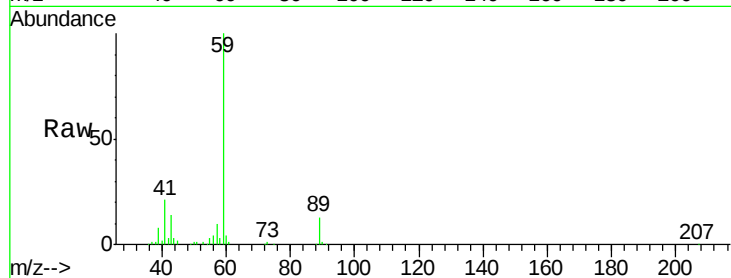
Tert butyl alcohol
 Concen: 116.705 ug/l
 RT: 2.81 min Scan# 535
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tot Ion	59	Resp	91454
Ion Ratio	100	Lower	Upper
59	100		
57	8.9	7.9	11.9

Manual Integrations
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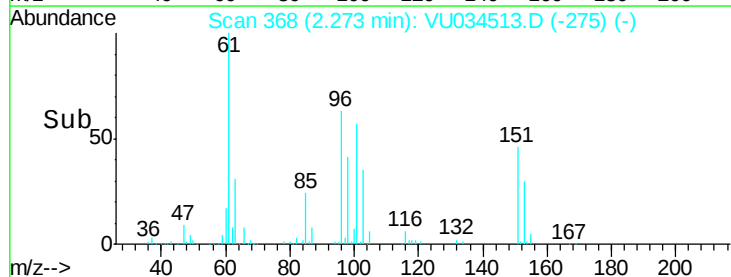
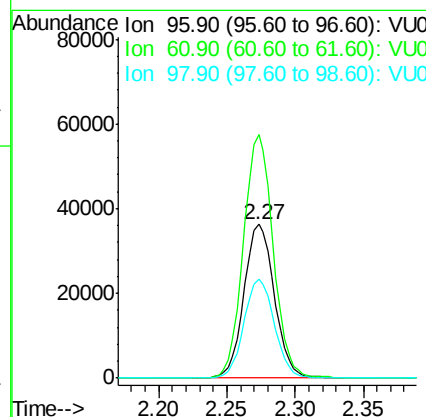
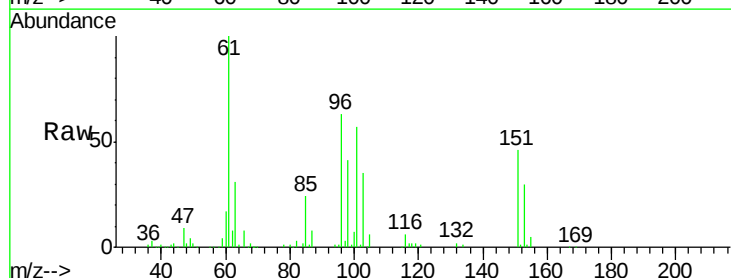
MMDadoda
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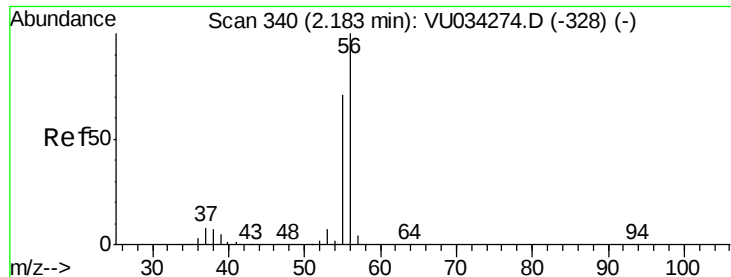


#12

1,1-Dichloroethene
 Concen: 21.113 ug/l
 RT: 2.27 min Scan# 368
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	96	Resp	56314
Ion Ratio	100	Lower	Upper
96	100		
61	158.3	130.0	195.0
98	64.2	52.2	78.4





#13

Acrolein

Concen: 56.596 ug/l

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 56 Resp: 37276

Ion Ratio Lower Upper

56 100

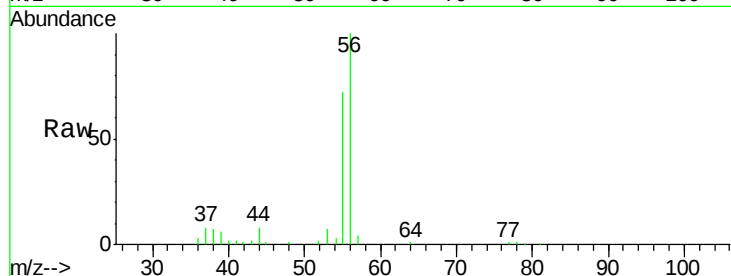
55 72.1 57.4 86.2

Manual Integrations

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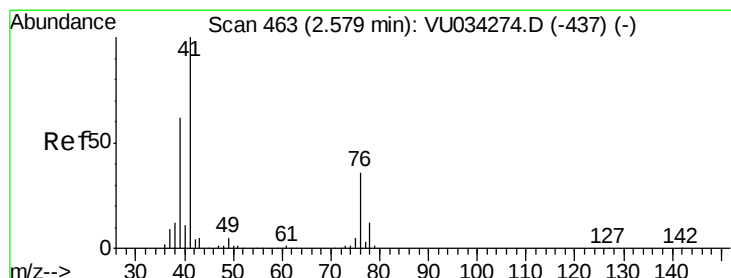
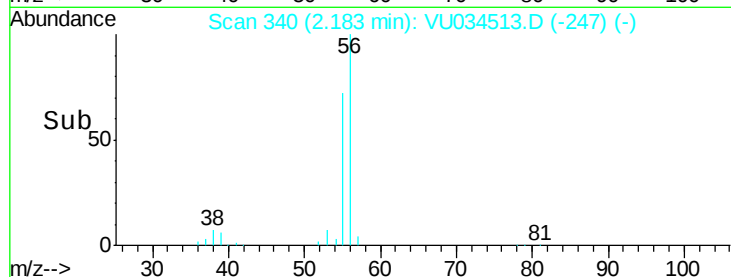
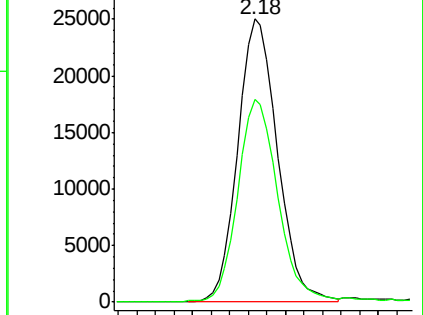
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Abundance Ion 56.00 (55.70 to 56.70): VU034274.D (-328) (-)

Ion 55.00 (54.70 to 55.70): VU034274.D (-328) (-)



#14

Allyl chloride

Concen: 20.096 ug/l m

RT: 2.58 min Scan# 464

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

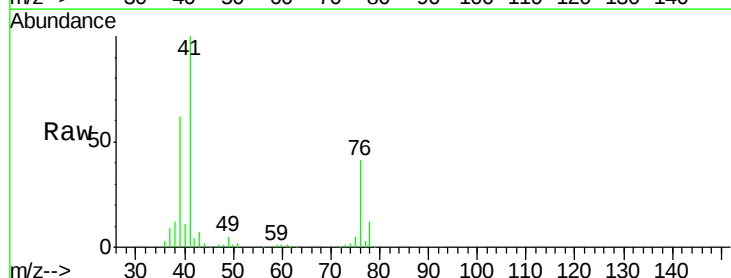
Tgt Ion: 41 Resp: 102477

Ion Ratio Lower Upper

41 100

39 55.2 43.5 65.3

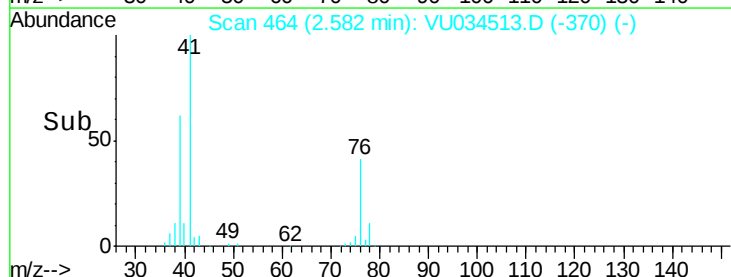
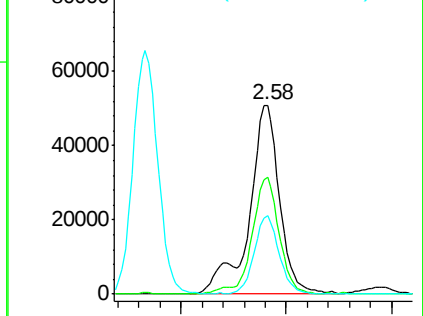
76 34.1 27.0 40.6

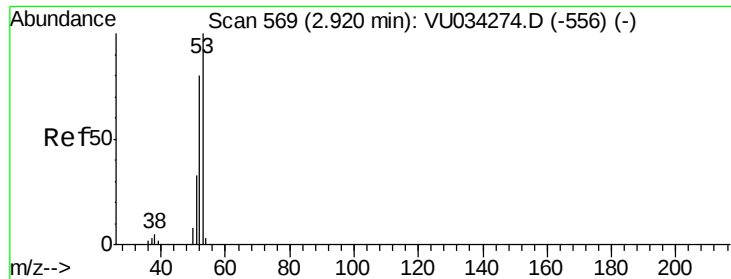


Abundance Ion 41.00 (40.70 to 41.70): VU034274.D (-437) (-)

Ion 39.00 (38.70 to 39.70): VU034274.D (-437) (-)

Ion 75.90 (75.60 to 76.60): VU034274.D (-437) (-)





#15

Acrylonitrile

Concen: 111.749 ug/l

RT: 2.92 min Scan# 569

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

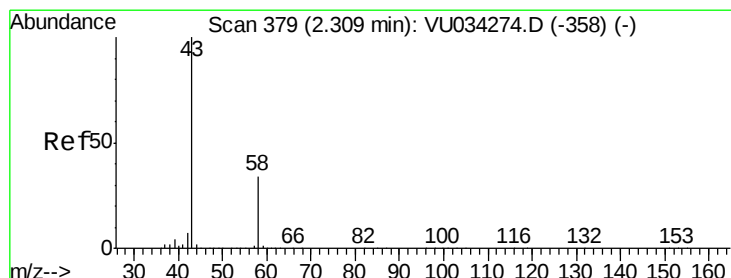
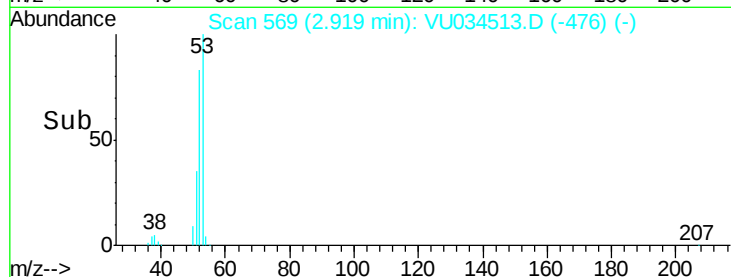
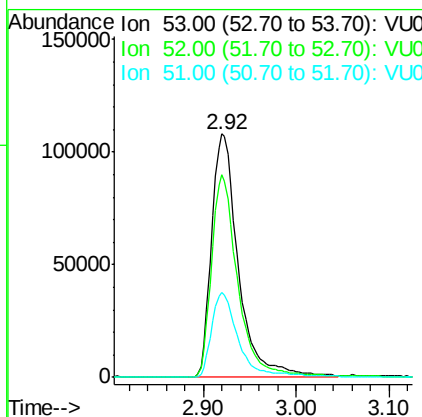
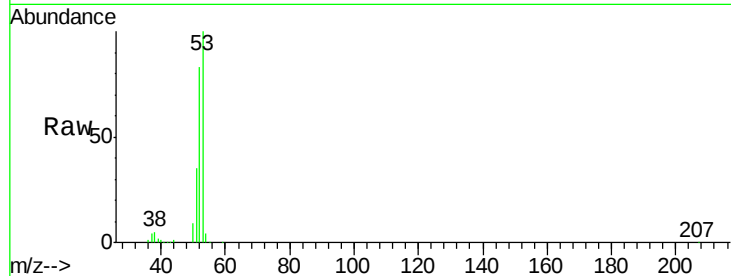
ClientSampleId :

VU0912WBS02

Tot Ion:	53	Resp:	218072
Ion	Ratio	Lower	Upper
53	100		
52	80.6	64.1	96.1
51	35.0	27.4	41.0

Manual Integrations
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#16

Acetone

Concen: 99.277 ug/l

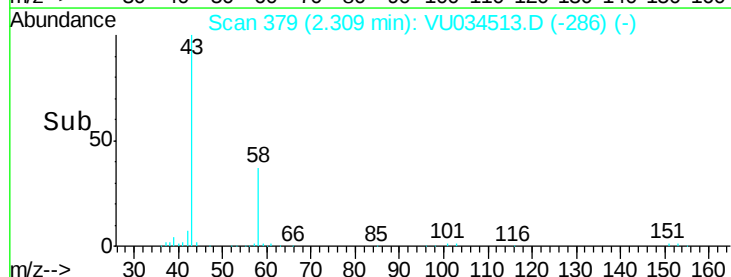
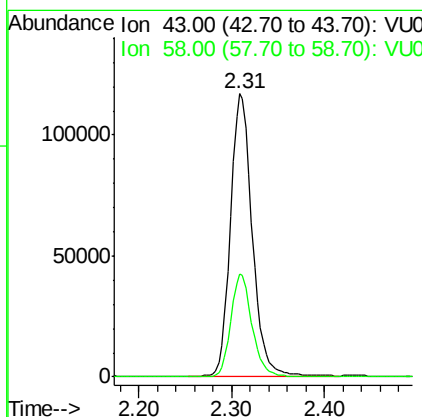
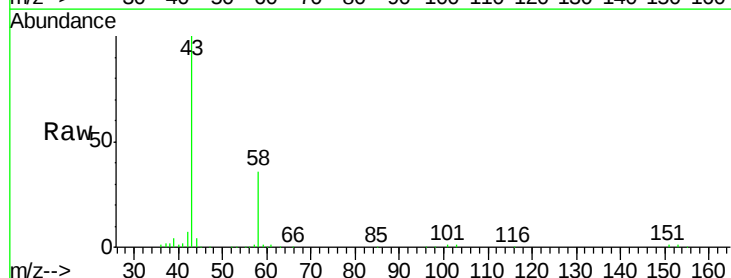
RT: 2.31 min Scan# 379

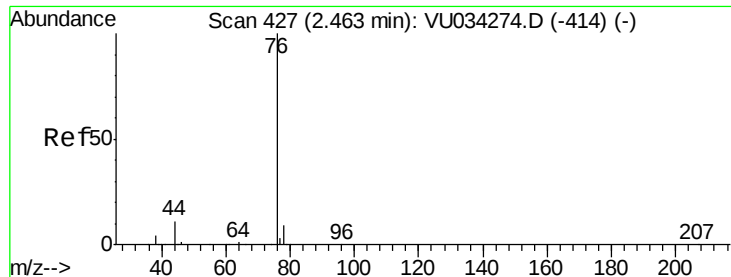
Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion:	43	Resp:	190566
Ion	Ratio	Lower	Upper
43	100		
58	36.5	27.6	41.4





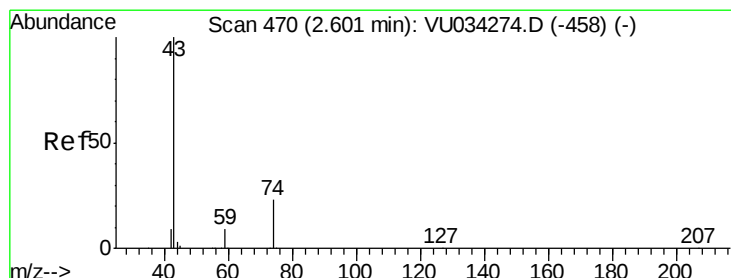
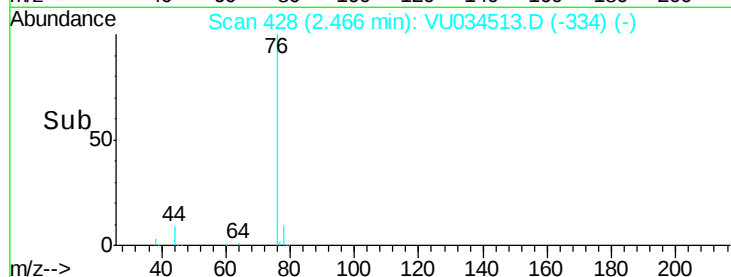
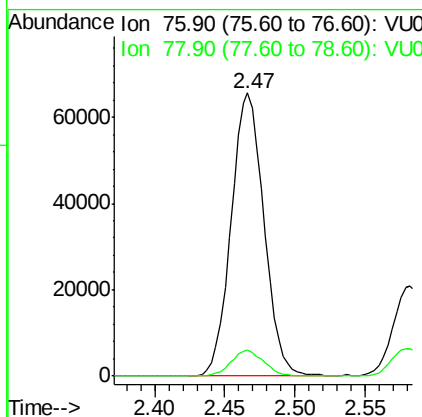
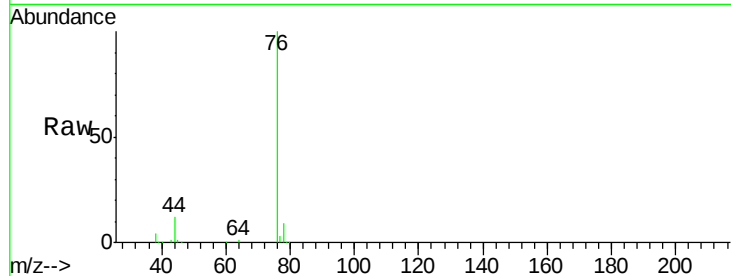
#17
Carbon Disulfide
Concen: 17.849 ug/l
RT: 2.47 min Scan# 428
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

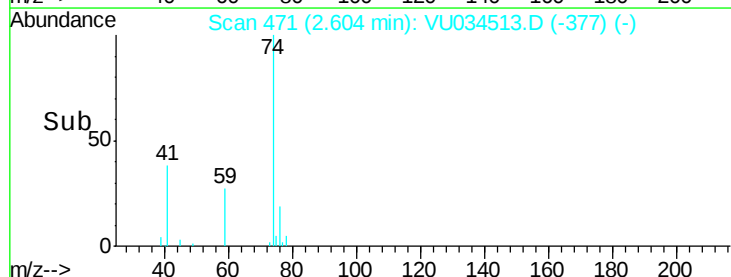
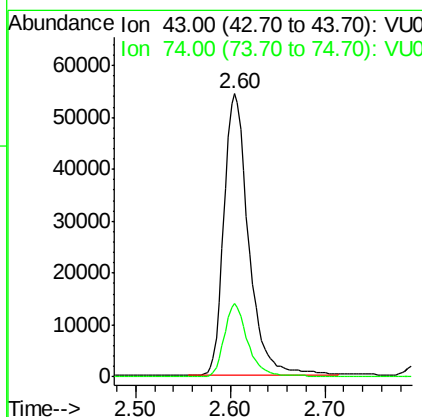
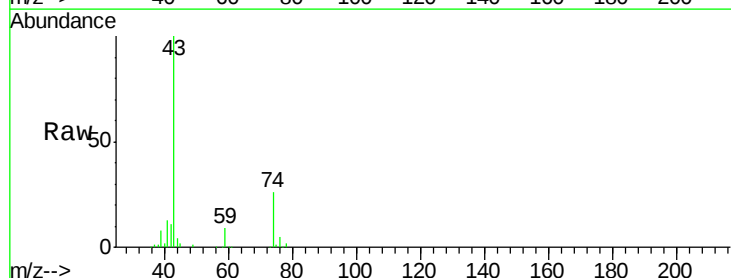
Manual Integrations
APPROVED

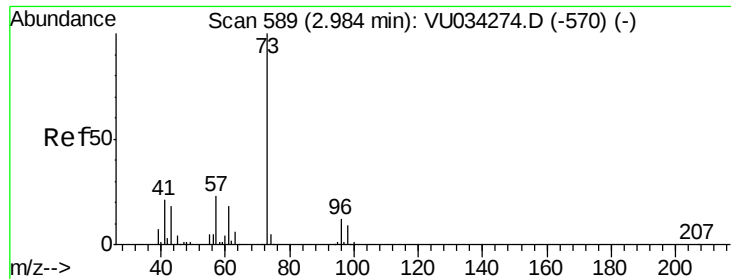
MMDadoda
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#18
Methyl Acetate
Concen: 21.274 ug/l
RT: 2.60 min Scan# 471
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.0	18.9	28.3





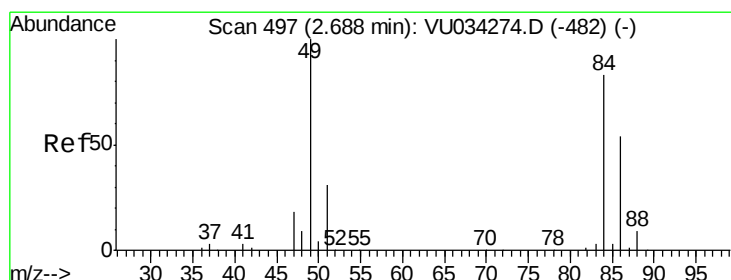
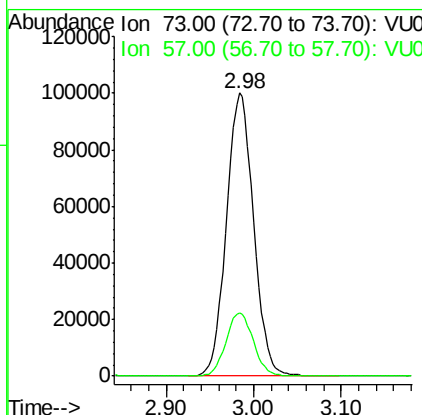
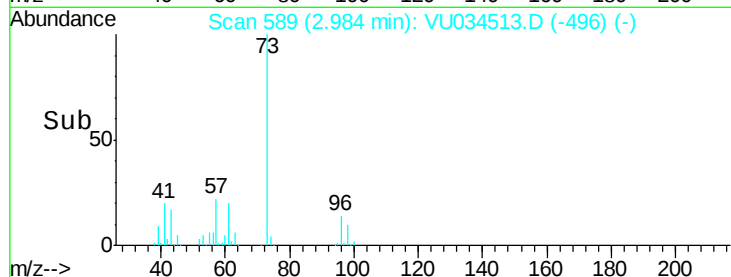
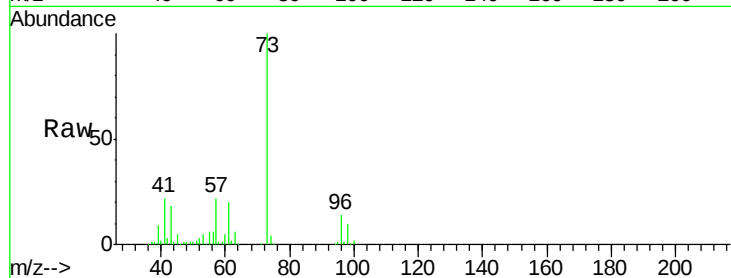
#19
Methvl tert-butvl Ether
Concen: 22.222 ug/l
RT: 2.98 min Scan# 589
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion: 73 Resp: 216045
Ion Ratio Lower Upper
73 100
57 22.3 18.2 27.4

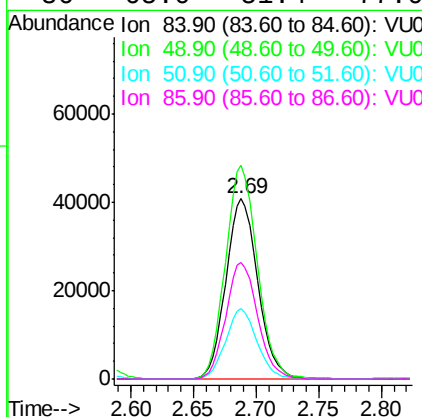
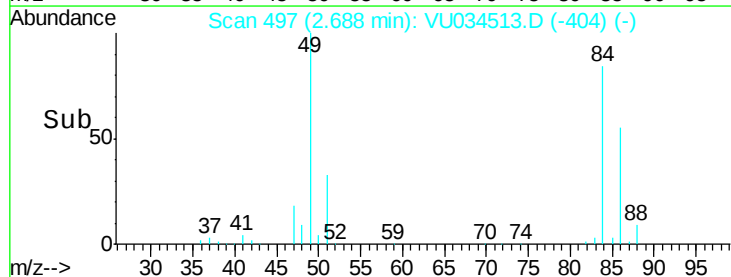
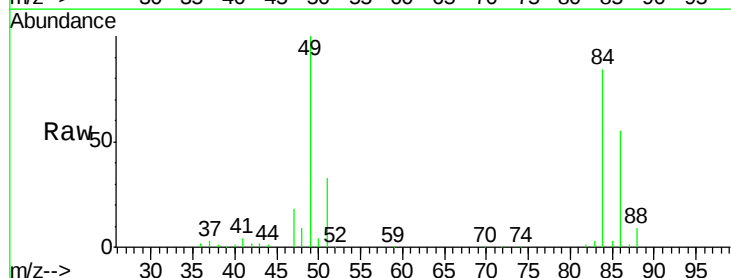
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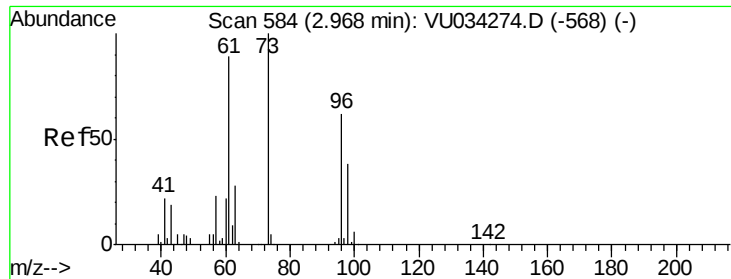
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#20
Methylene Chloride
Concen: 22.765 ug/l
RT: 2.69 min Scan# 497
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion: 84 Resp: 72260
Ion Ratio Lower Upper
84 100
49 118.7 96.0 144.0
51 39.1 30.0 45.0
86 65.0 51.4 77.0





#21

trans-1,2-Dichloroethene

Concen: 20.489 ug/l

RT: 2.97 min Scan# 584

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

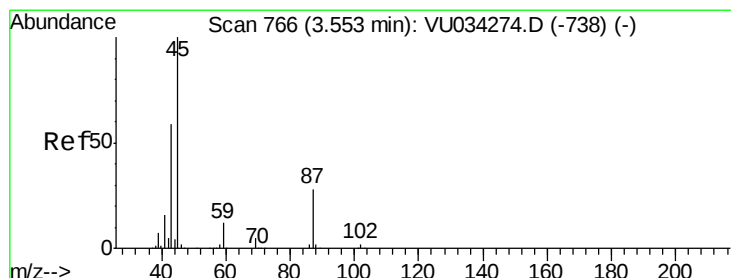
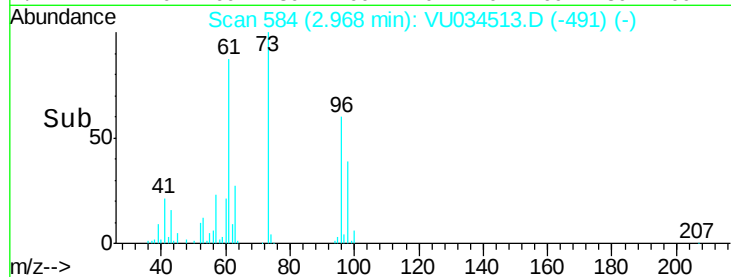
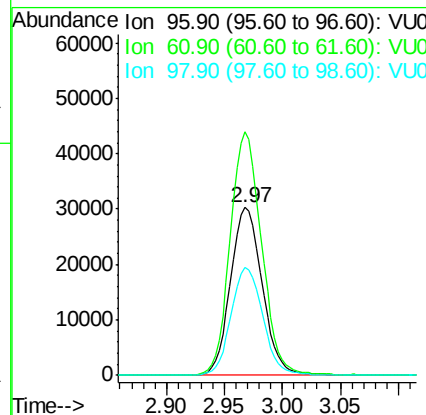
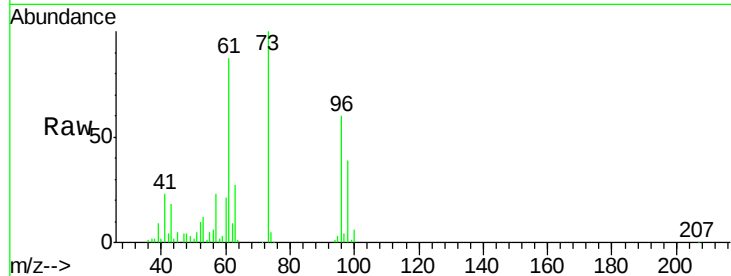
ClientSampleId :

VU0912WBS02

Tot Ion:	96	Resp:	57590
Ion	Ratio	Lower	Upper
96	100		
61	144.9	114.8	172.2
98	64.1	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.591 ug/l

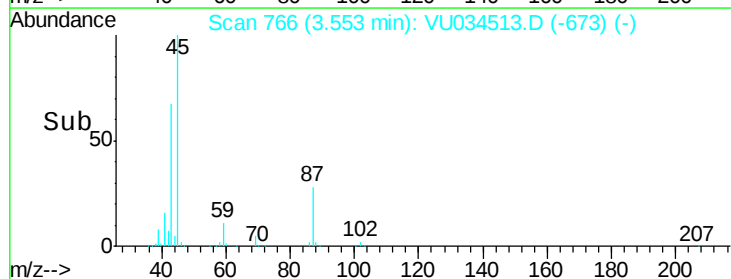
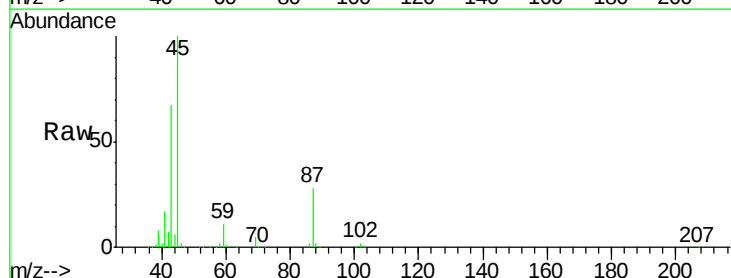
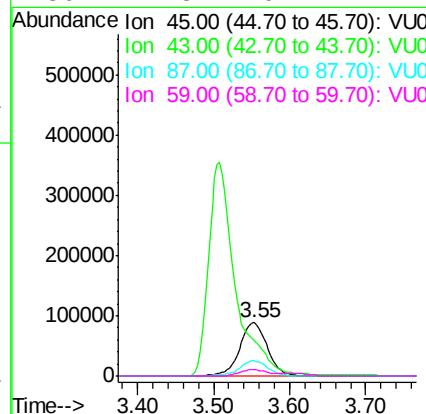
RT: 3.55 min Scan# 766

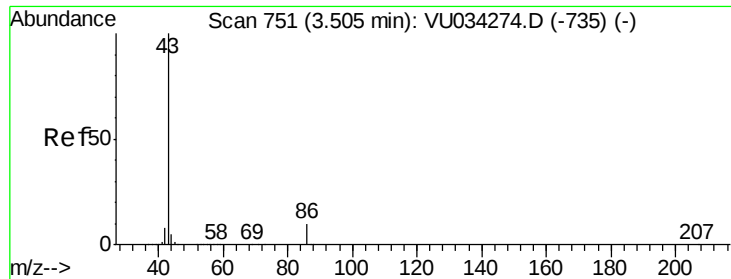
Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion:	45	Resp:	224655
Ion	Ratio	Lower	Upper
45	100		
43	65.3	47.5	71.3
87	28.4	22.2	33.4
59	11.3	9.4	14.2





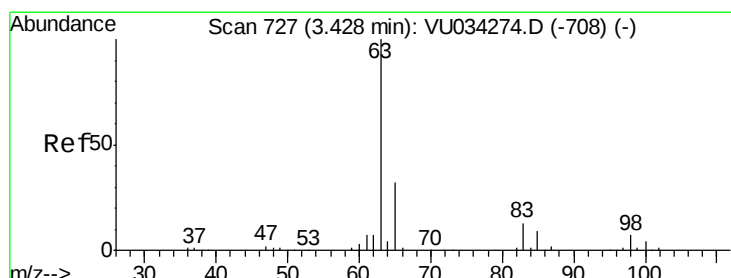
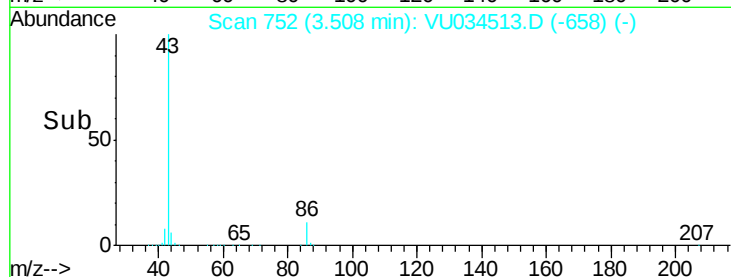
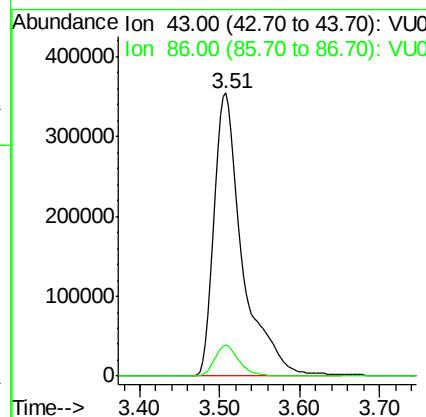
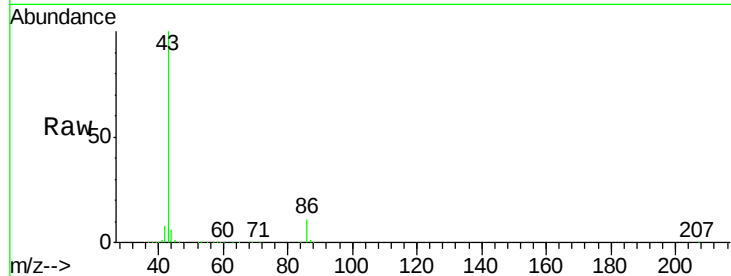
#23
 Vinyl Acetate
 Concen: 108.226 ug/l
 RT: 3.51 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.9	8.3	12.5

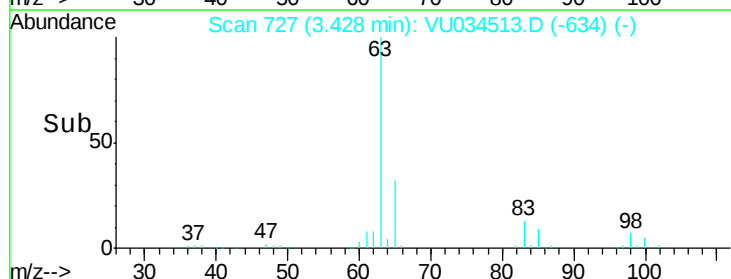
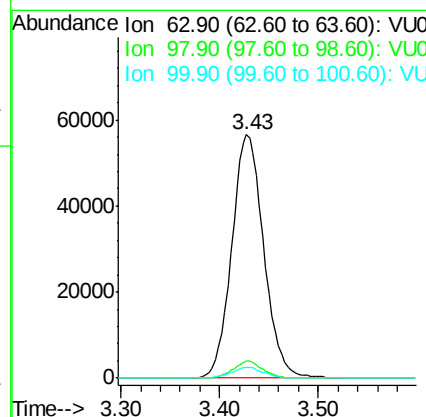
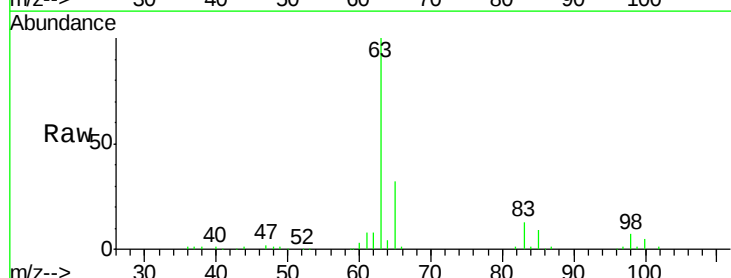
Manual Integrations
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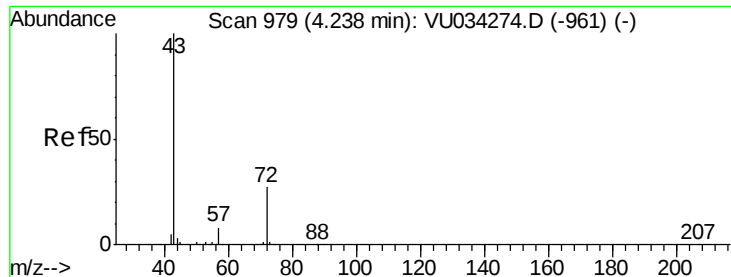
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 21.534 ug/l
 RT: 3.43 min Scan# 727
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.5	10.4
100	4.5	2.1	6.5





#25

2-Butanone

Concen: 108.700 ug/l

RT: 4.24 min Scan# 980

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 43 Resp: 278526

Ion Ratio Lower Upper

43 100

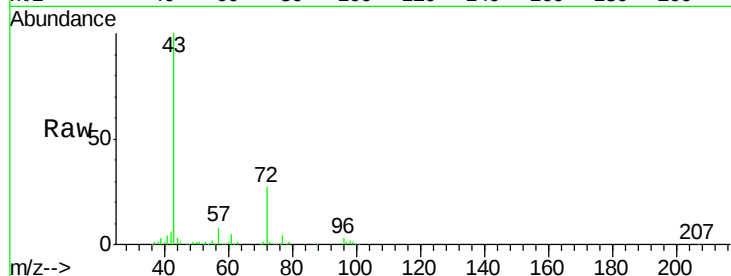
72 26.6 21.8 32.6

Manual Integrations

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9/16/2019 11:16:31 AM



Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 72.00 (71.70 to 72.70): VU0

120000

100000

80000

60000

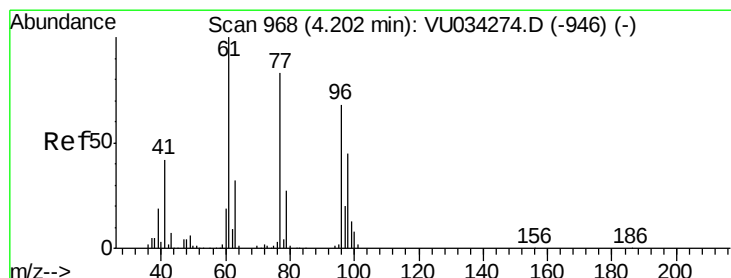
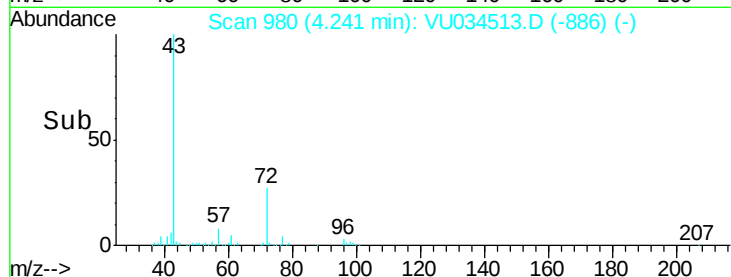
40000

20000

0

4.15 4.20 4.25 4.30 4.35

Time-->



#26

2,2-Dichloropropane

Concen: 21.694 ug/l

RT: 4.20 min Scan# 968

Delta R.T. -0.00 min

Lab File: VU034513.D

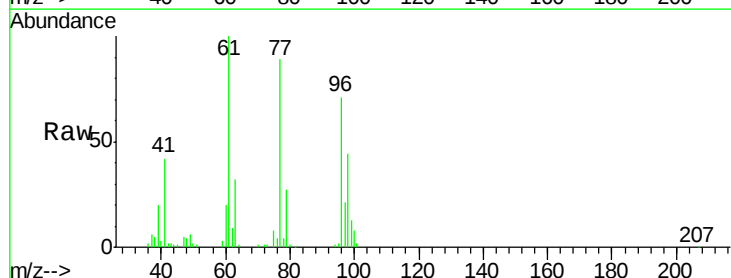
Acq: 12 Sep 2019 12:19

Tgt Ion: 77 Resp: 103621

Ion Ratio Lower Upper

77 100

97 23.0 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VU0

Ion 96.90 (96.60 to 97.60): VU0

40000

30000

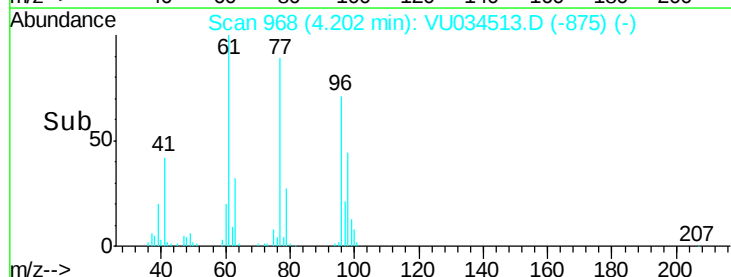
20000

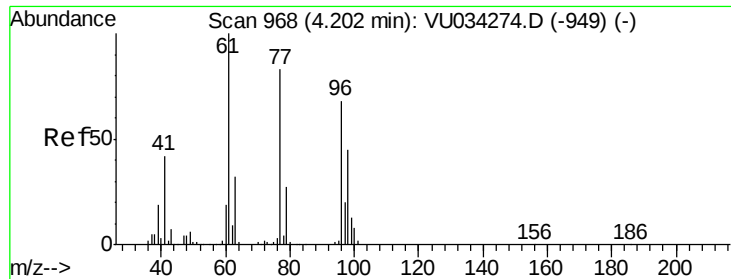
10000

0

4.10 4.20 4.30

Time-->





#27

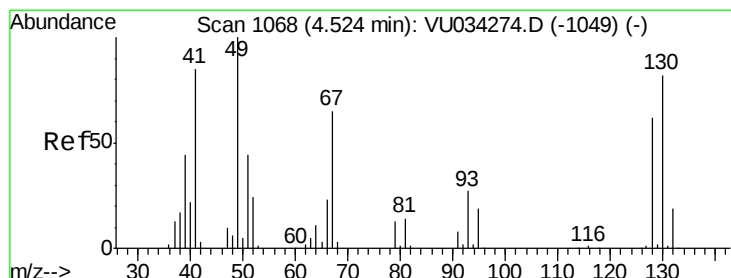
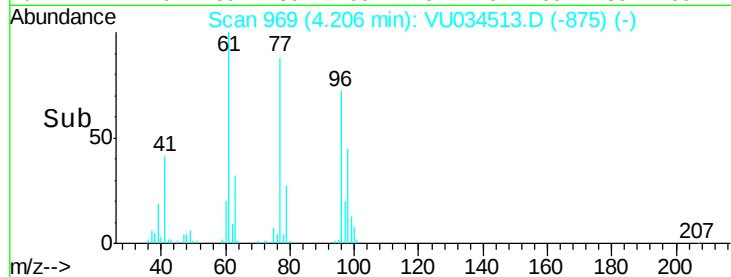
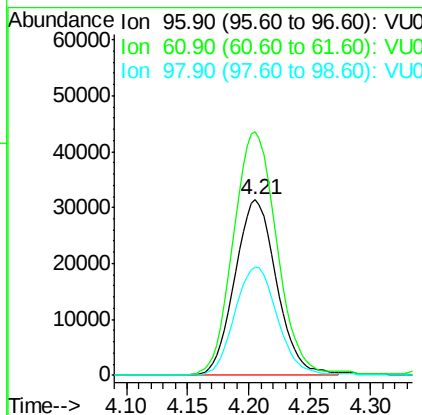
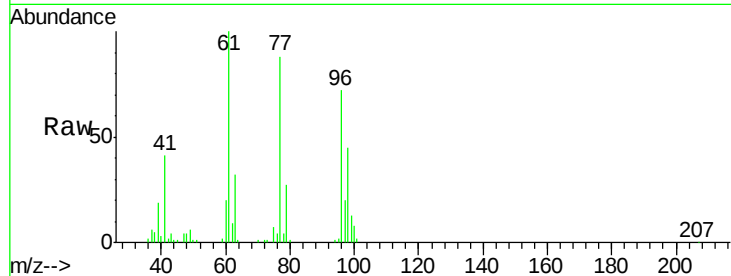
cis-1,2-Dichloroethene
Concen: 21.876 ug/l
RT: 4.21 min Scan# 969
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	143.8	0.0	297.4	
98	63.3	0.0	130.0	

Manual Integrations
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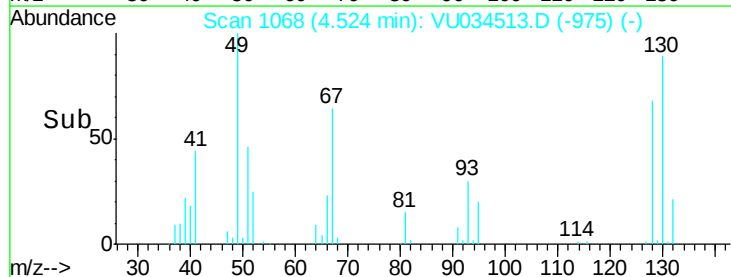
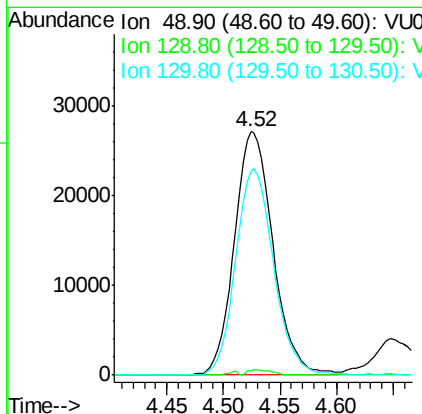
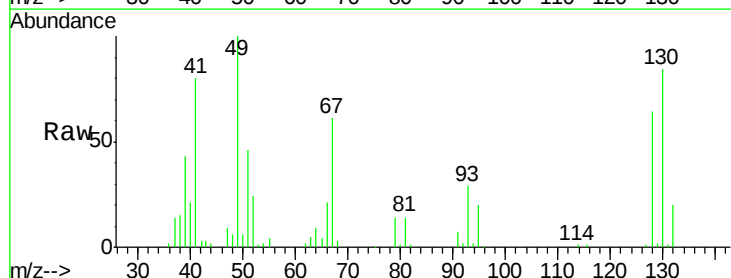
MMDadoda
9/16/2019 11:16:31 AM

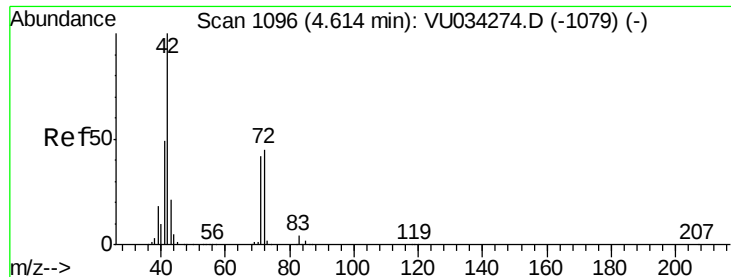


#28

Bromochloromethane
Concen: 23.569 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	3.8	
130	83.5	65.2	97.8	





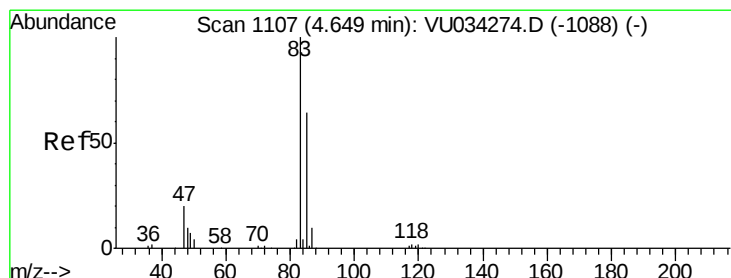
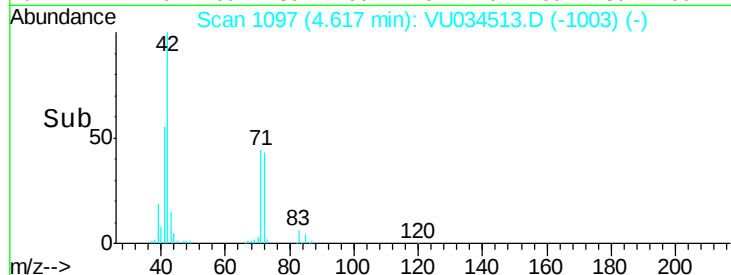
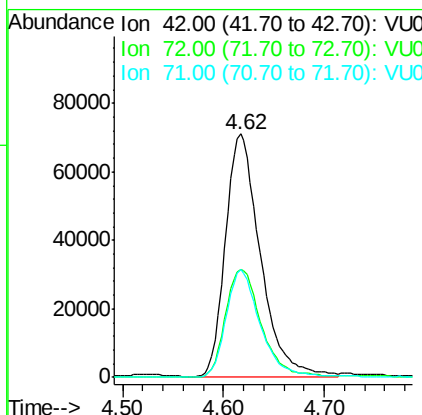
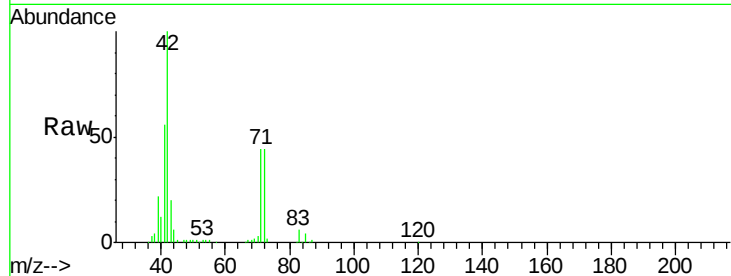
#29
Tetrahydrofuran
Concen: 109.388 ug/l
RT: 4.62 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Resp	Lower	Upper
42	100	170557		
72	45.5		36.6	54.8
71	43.8		34.3	51.5

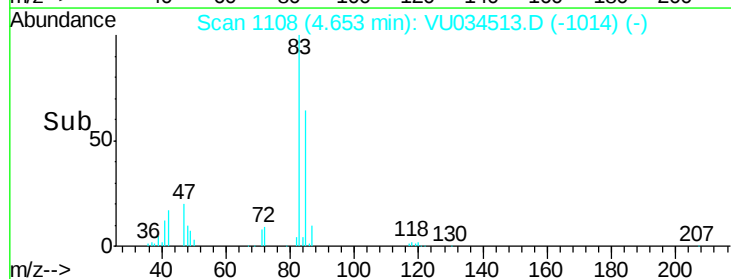
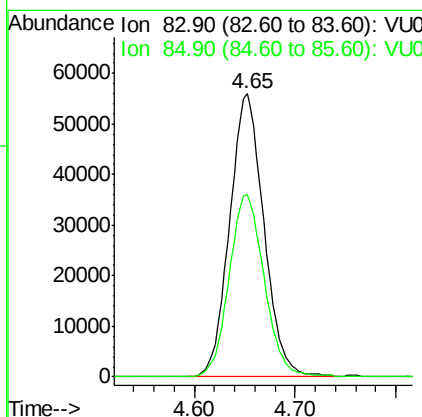
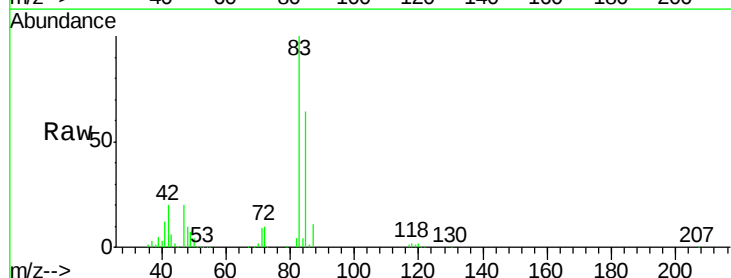
Manual Integrations
APPROVED

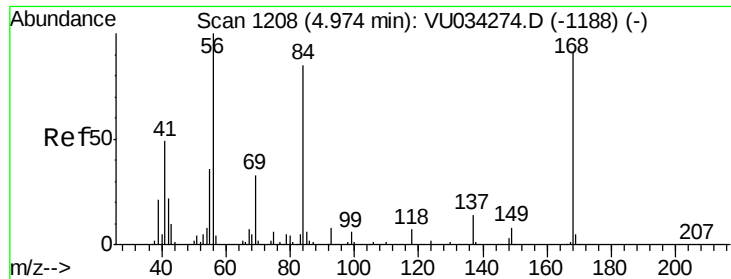
MMDadoda
9/16/2019 11:16:31 AM



#30
Chloroform
Concen: 21.900 ug/l
RT: 4.65 min Scan# 1108
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	132199		
85	64.2		51.5	77.3





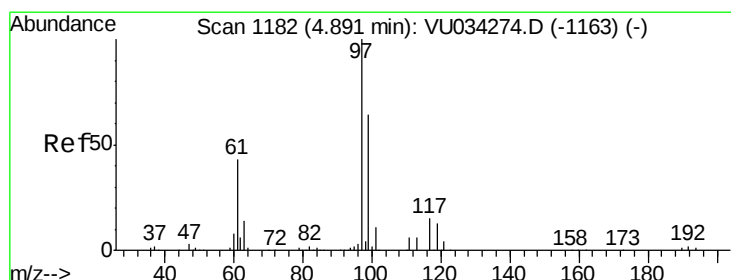
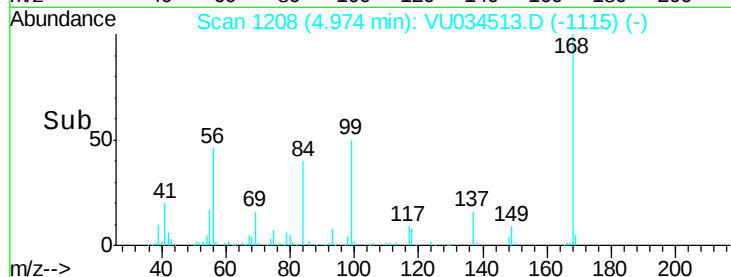
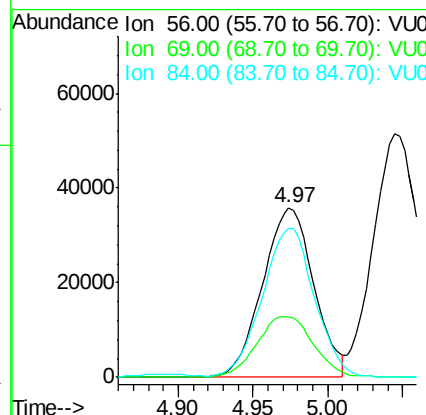
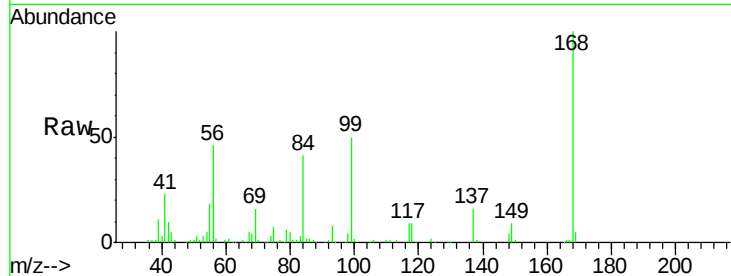
#31
Cyclohexane
Concen: 19.618 ug/l
RT: 4.97 min Scan# 1208
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.6	26.7	40.1
84	86.6	68.2	102.4

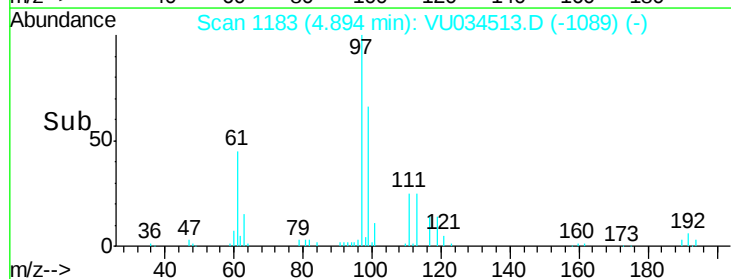
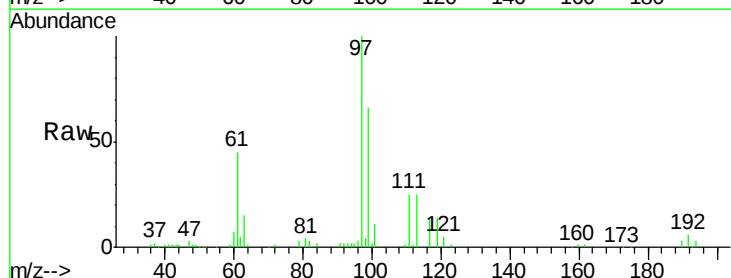
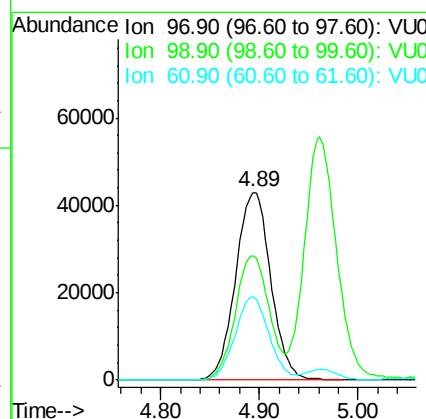
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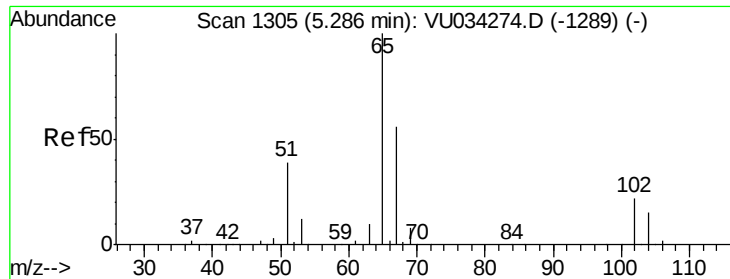
MMDadoda
9/16/2019 11:16:31 AM



#32
1,1,1-Trichloroethane
Concen: 22.086 ug/l
RT: 4.89 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.9	76.3
61	43.2	34.7	52.1





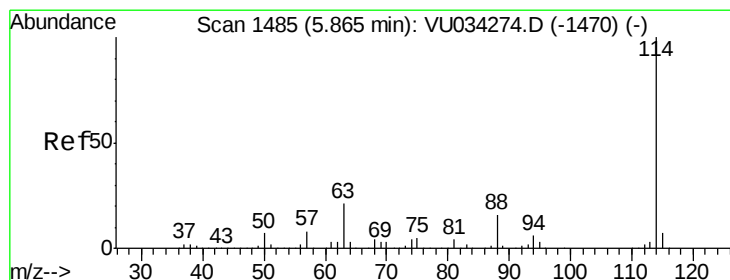
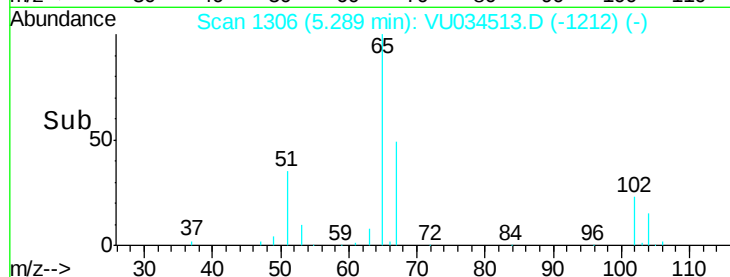
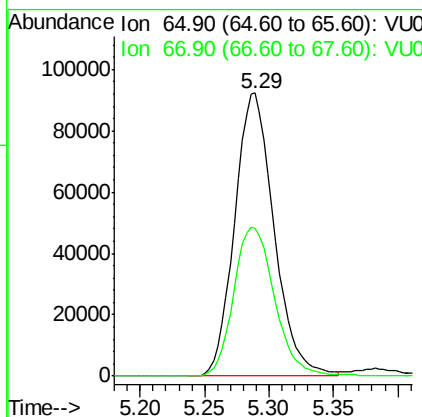
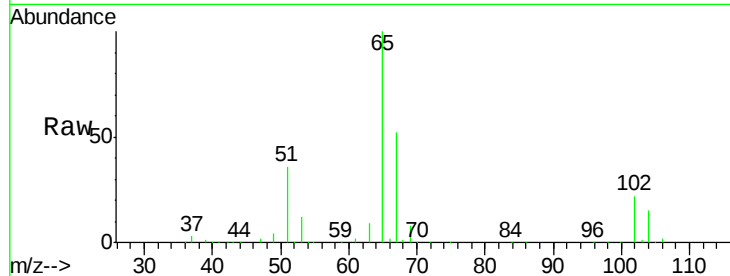
#33
 1,2-Dichloroethane-d4
 Concen: 52.906 ug/l
 RT: 5.29 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleID :
 VU0912WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196244		
67	54.7	0.0	112.4	

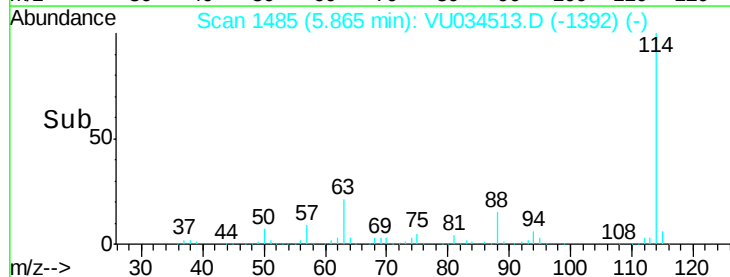
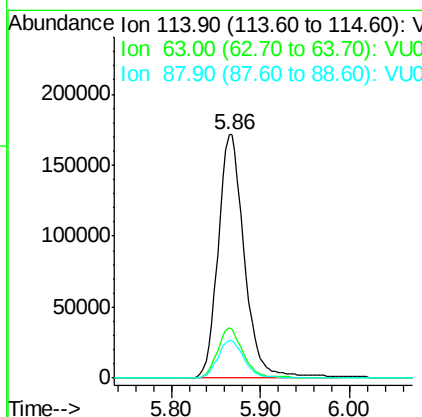
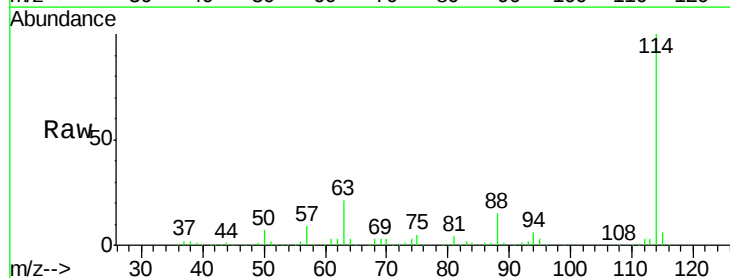
Manual Integrations
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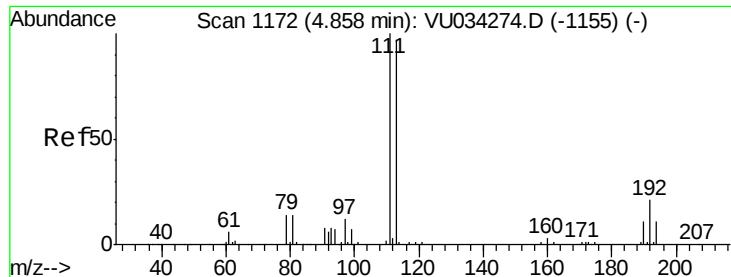
MMDadoda
 9/16/2019 11:16:31 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.86 min Scan# 1485
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	349208		
63	20.6	0.0	42.4	
88	15.3	0.0	32.4	





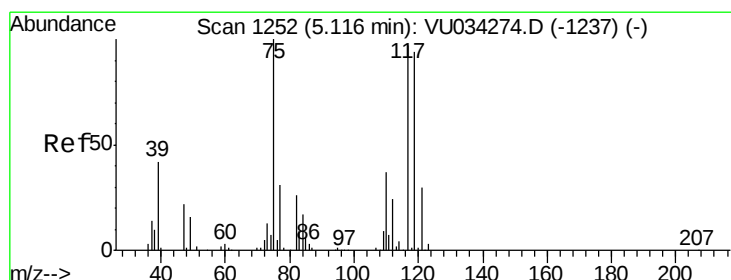
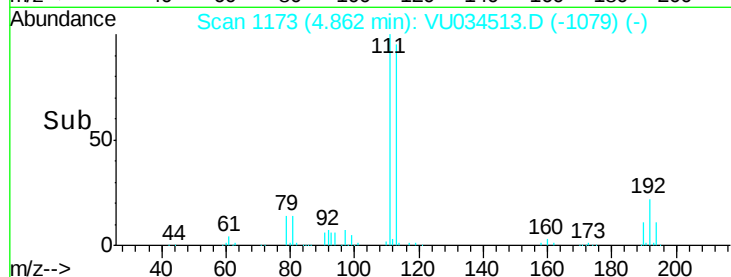
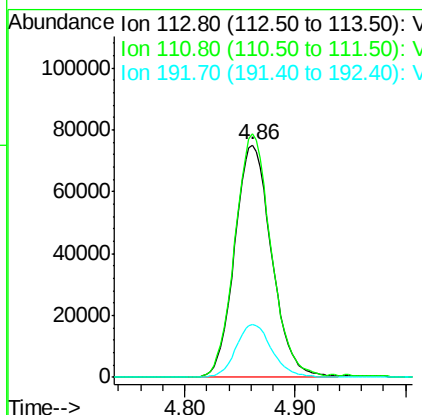
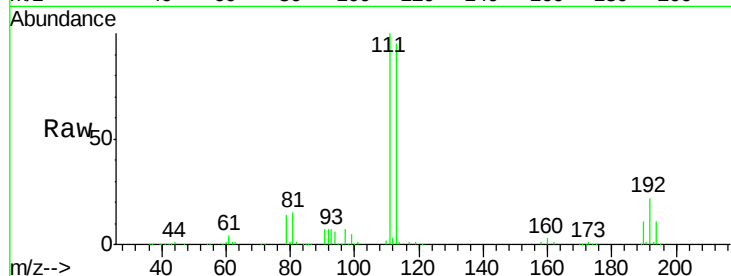
#35
 Dibromofluoromethane
 Concen: 53.723 ug/l
 RT: 4.86 min Scan# 1173
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	174567		
111	102.8	81.5	122.3	
192	22.1	17.8	26.8	

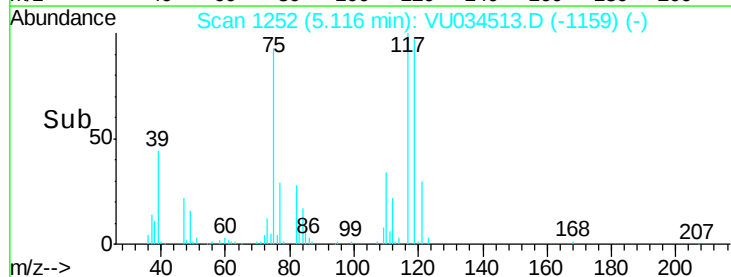
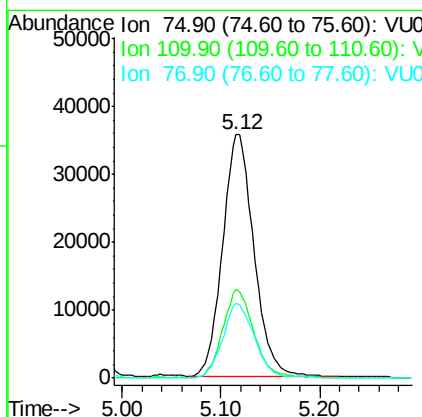
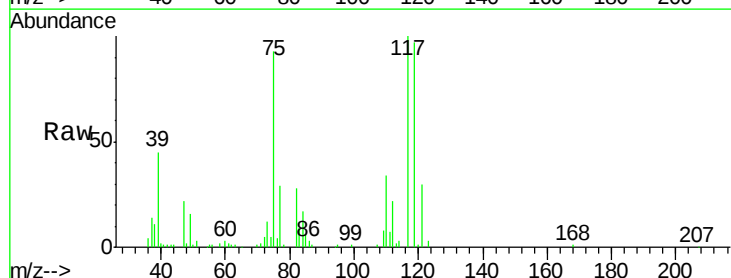
Manual Integrations
 APPROVED

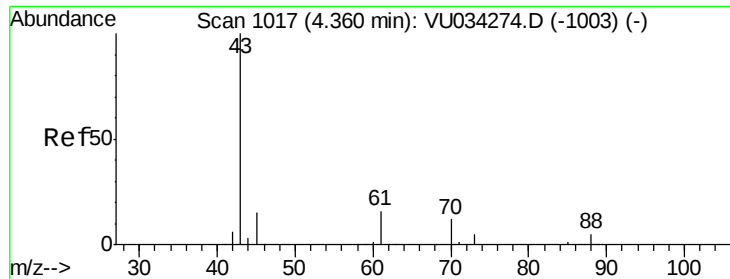
MMDadoda
 9/16/2019 11:16:31 AM



#36
 1,1-Dichloropropene
 Concen: 20.837 ug/l
 RT: 5.12 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78915		
110	36.5	18.3	54.9	
77	31.7	24.9	37.3	





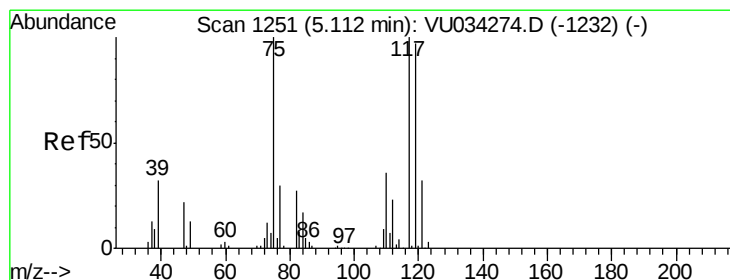
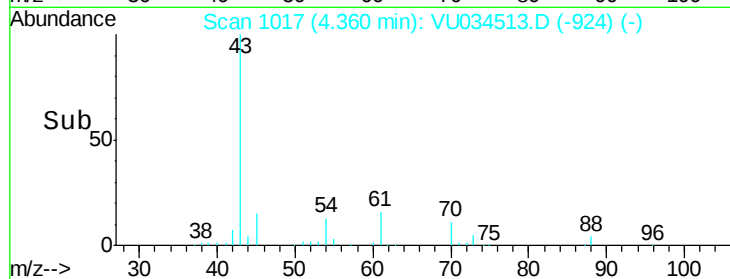
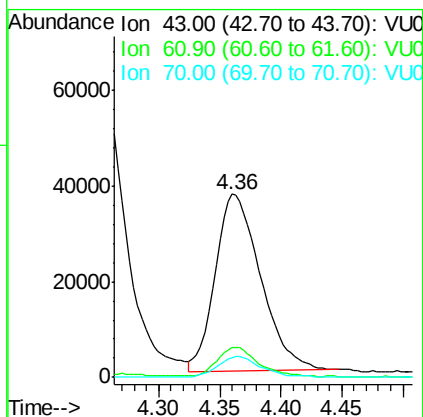
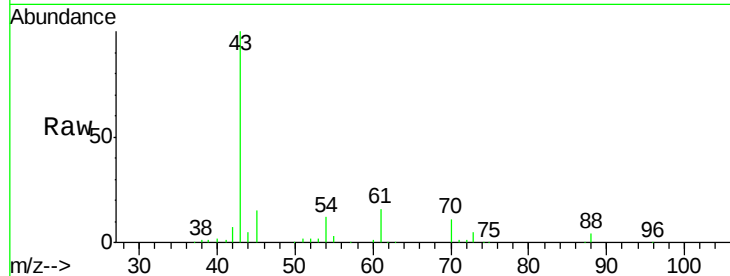
#37
Ethyl Acetate
Concen: 21.588 ug/l
RT: 4.36 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.3	18.5
70	11.4	9.1	13.7

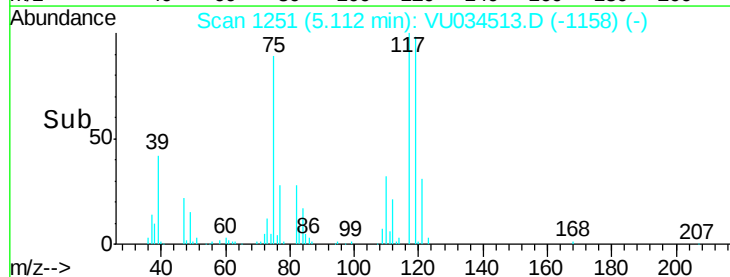
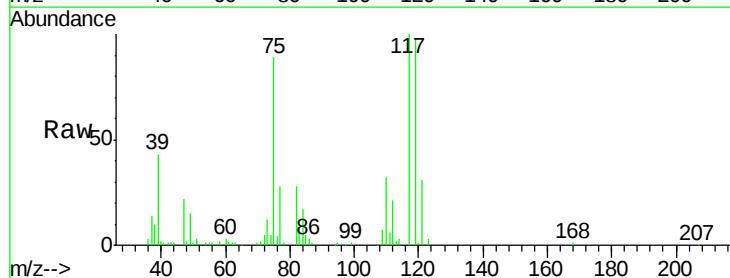
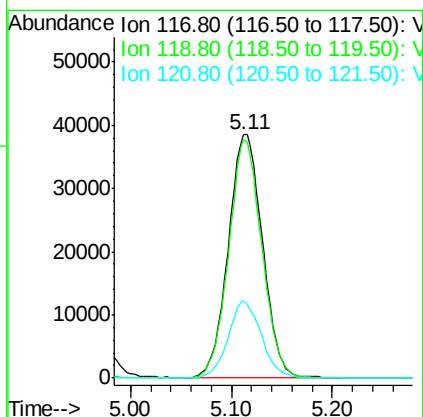
Manual Integrations
APPROVED

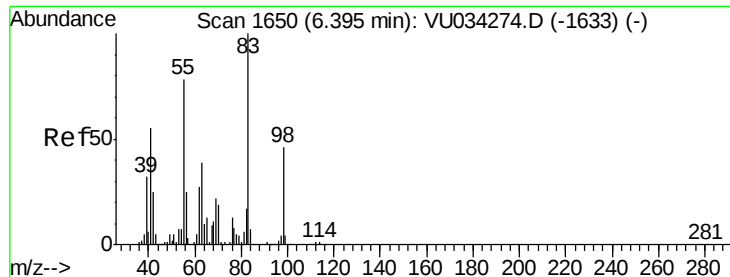
MMDadoda
9/16/2019 11:16:31 AM



#38
Carbon Tetrachloride
Concen: 22.466 ug/l
RT: 5.11 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	77.8	116.6
121	31.5	25.2	37.8





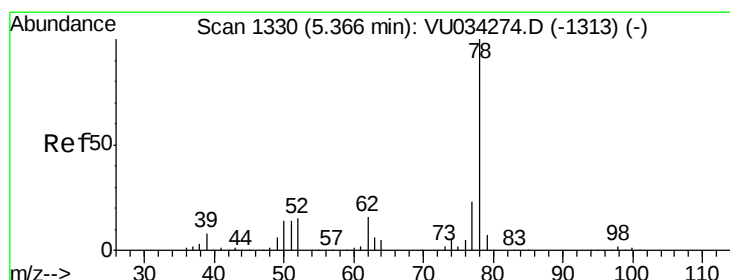
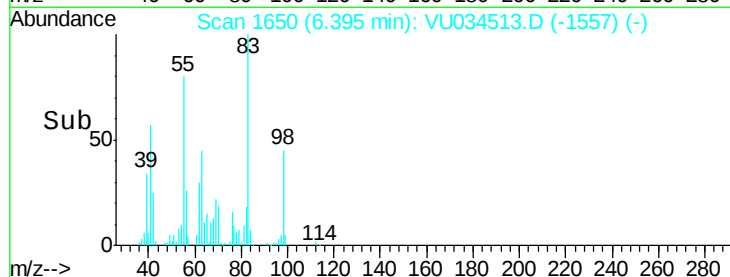
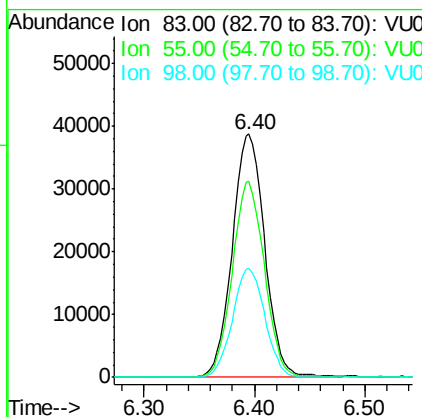
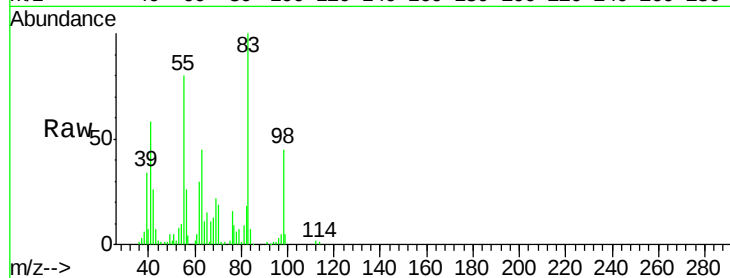
#39
Methylvlcvclohexane
Concen: 19.517 ug/l
RT: 6.40 min Scan# 1650
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.5	62.1	93.1
98	44.8	37.0	55.6

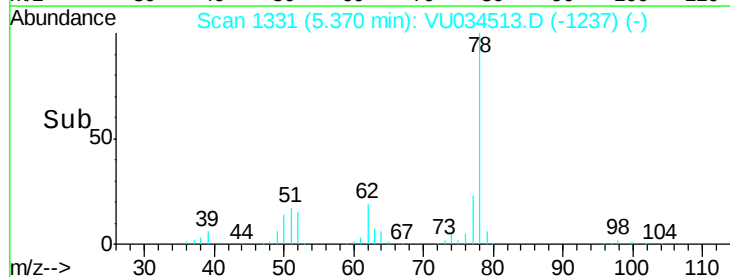
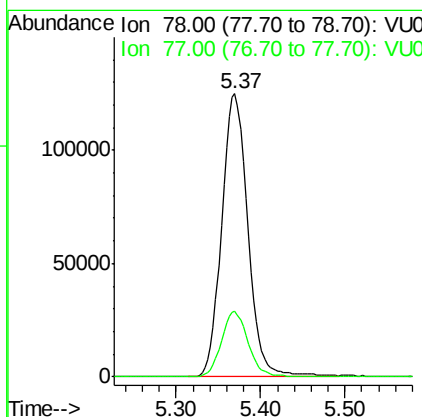
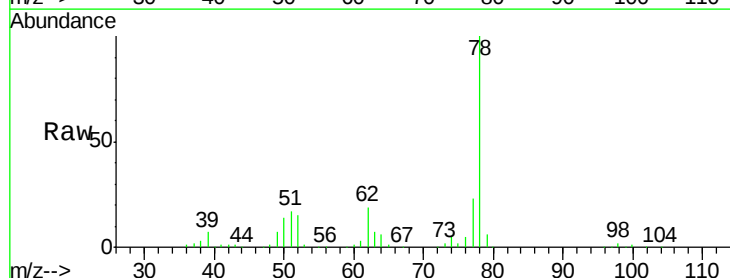
Manual Integrations
APPROVED

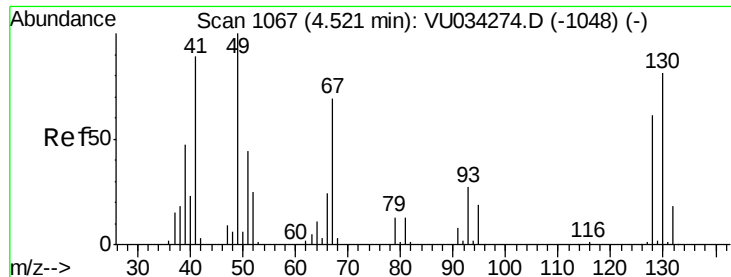
MMDadoda
9/16/2019 11:16:31 AM



#40
Benzene
Concen: 22.144 ug/l
RT: 5.37 min Scan# 1331
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	18.7	28.1





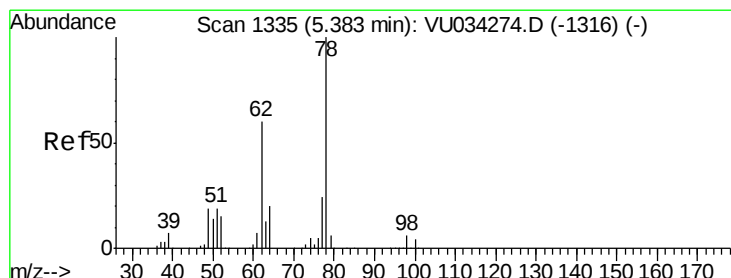
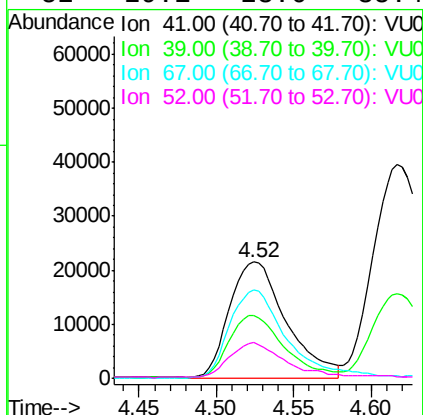
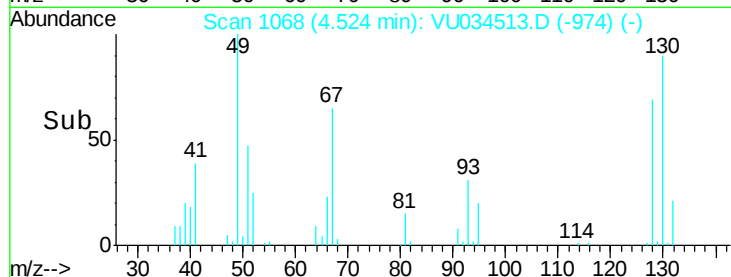
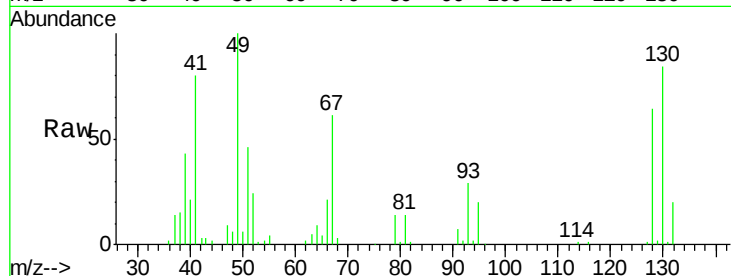
#41
Methacrylonitrile
Concen: 22.775 ug/l
RT: 4.52 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	51.8	41.0	61.4	
67	78.3	62.4	93.6	
52	29.1	23.6	35.4	

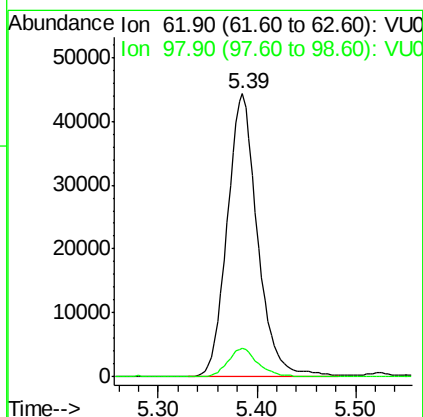
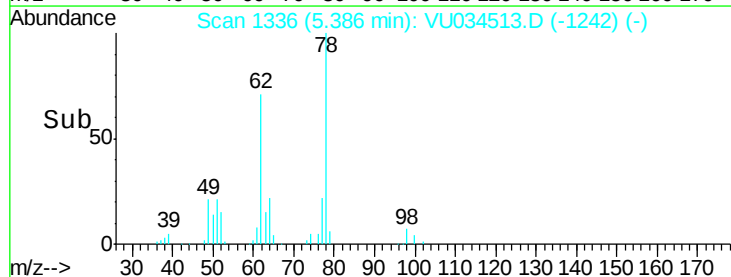
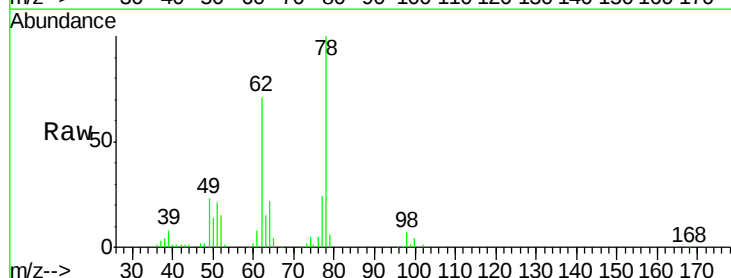
Manual Integrations
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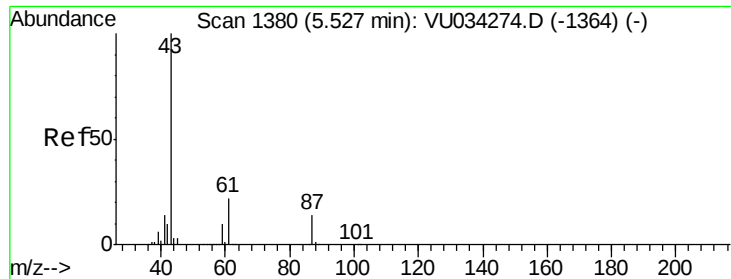
MMDadoda
9/16/2019 11:16:31 AM



#42
1,2-Dichloroethane
Concen: 22.441 ug/l
RT: 5.39 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	20.0	





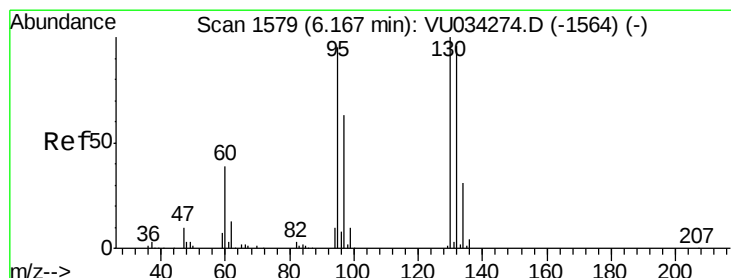
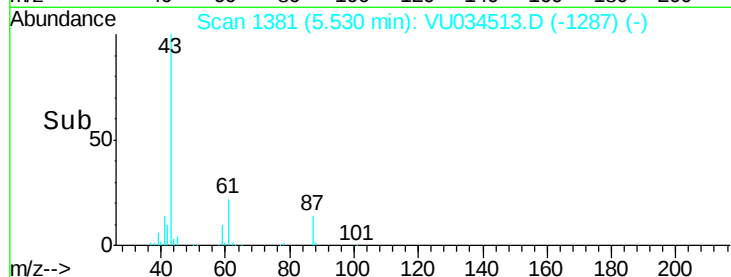
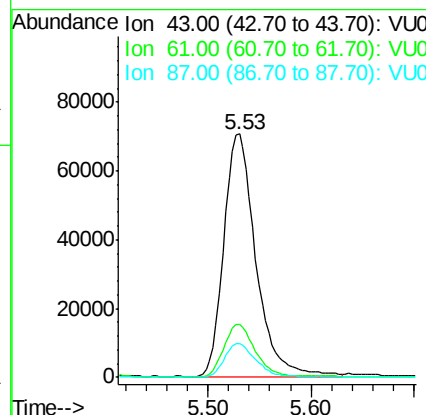
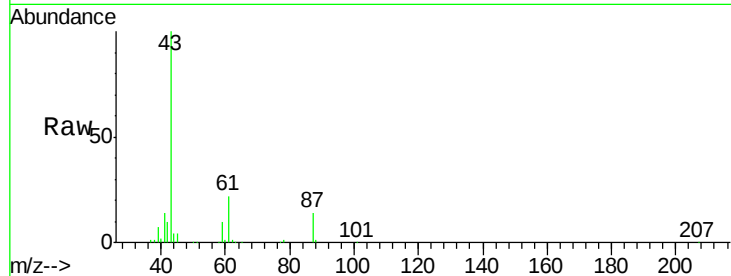
#43
Isopropyl Acetate
Concen: 21.829 ug/l
RT: 5.53 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	22.3	17.1	25.7
87	13.7	11.1	16.7

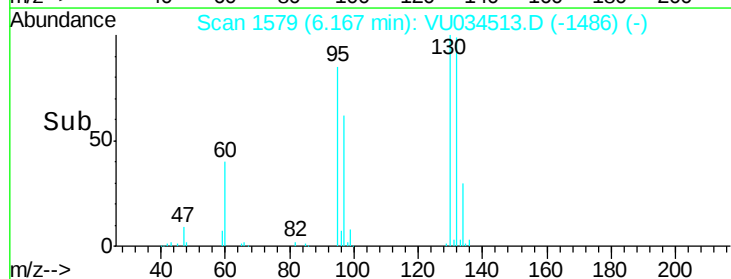
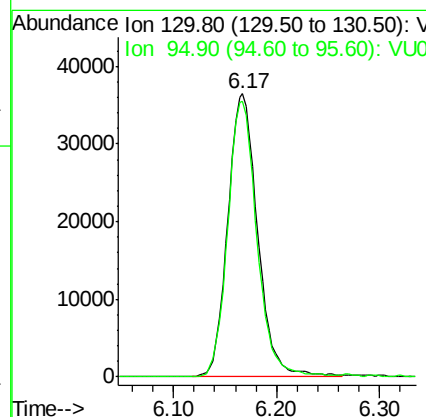
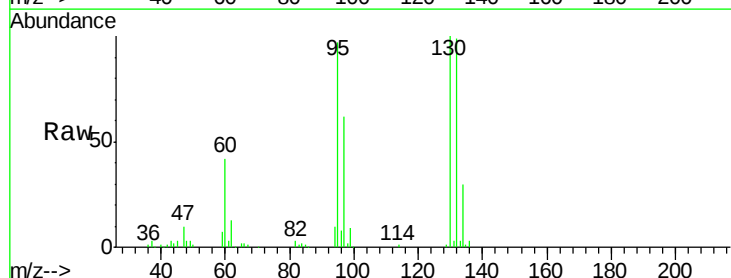
Manual Integrations
APPROVED

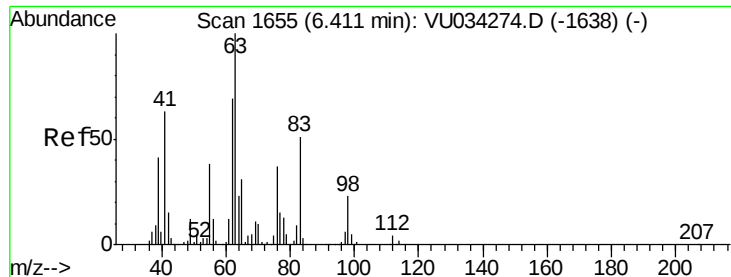
MMDadoda
9/16/2019 11:16:31 AM



#44
Trichloroethene
Concen: 21.733 ug/l
RT: 6.17 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.4	0.0	189.2





#45

1,2-Dichloropropane

Concen: 22.114 ug/l

RT: 6.41 min Scan# 1655

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 63 Resp: 79001

Ion Ratio Lower Upper

63 100

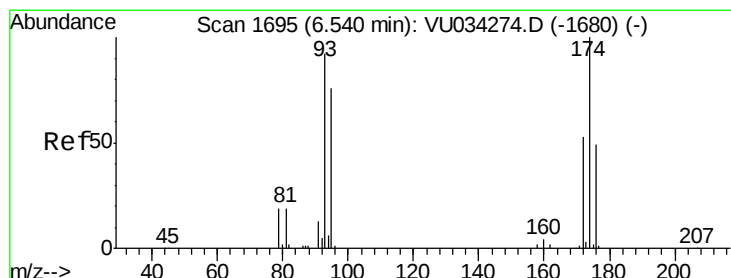
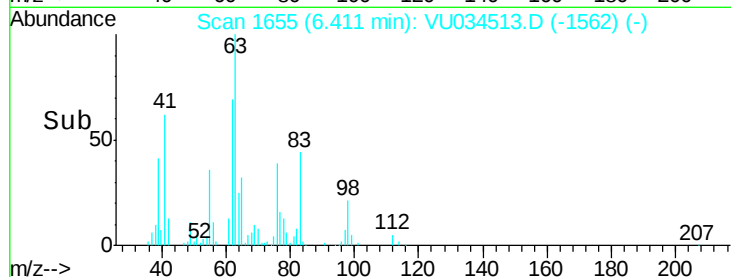
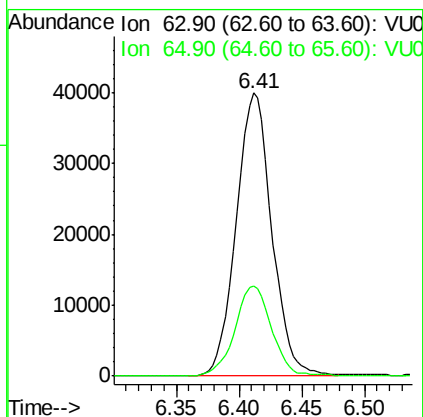
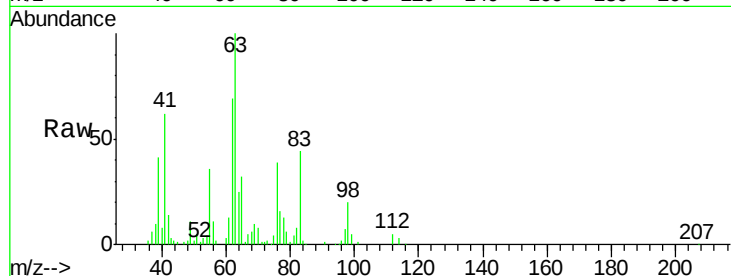
65 32.0 24.6 37.0

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#46

Dibromomethane

Concen: 22.715 ug/l

RT: 6.54 min Scan# 1695

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

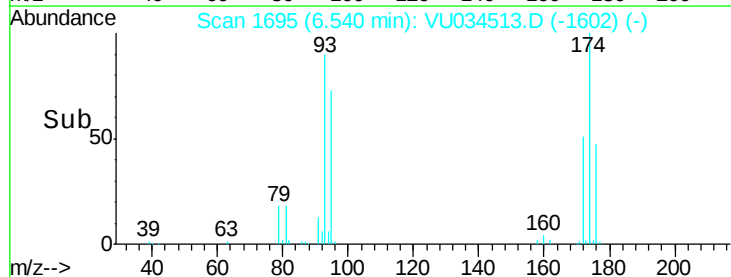
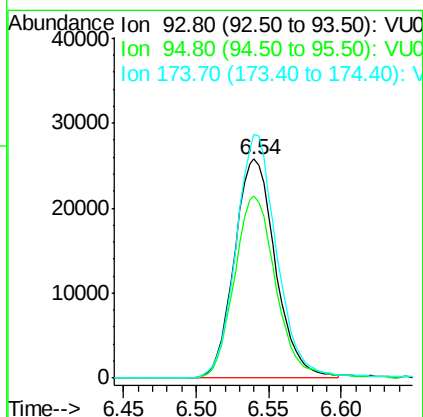
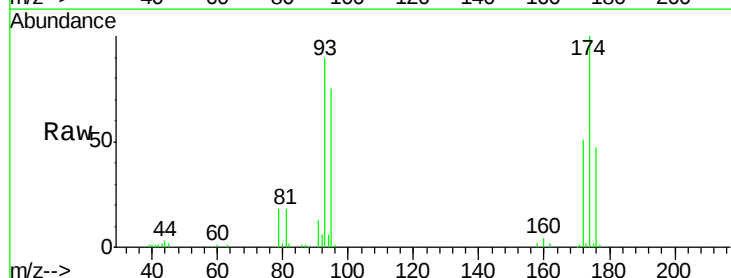
Tgt Ion: 93 Resp: 50938

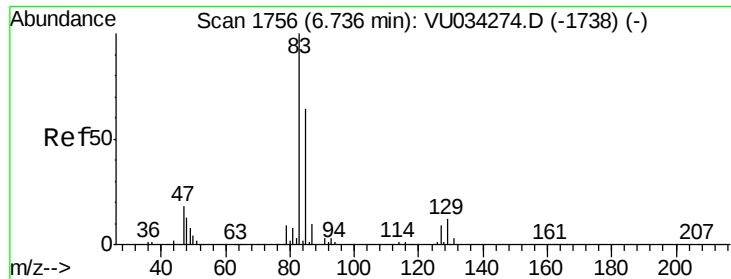
Ion Ratio Lower Upper

93 100

95 83.8 66.5 99.7

174 109.7 87.8 131.6





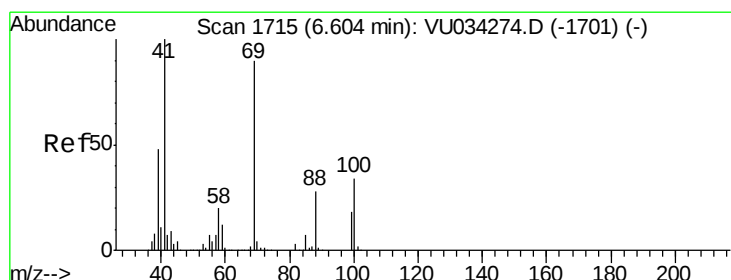
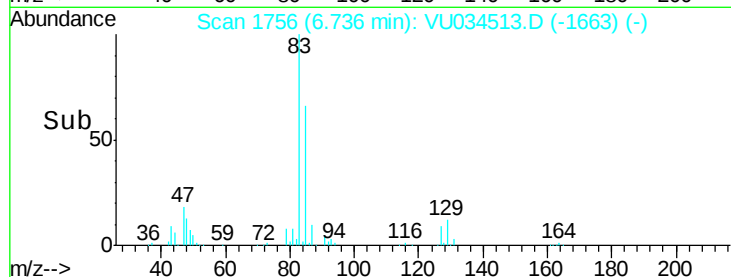
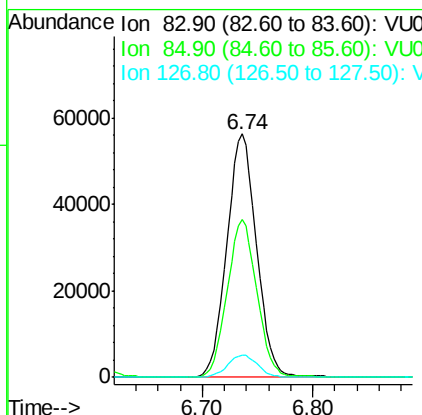
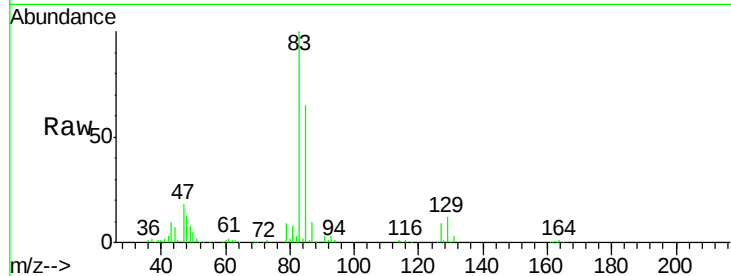
#47
Bromodichloromethane
Concen: 22.814 ug/l
RT: 6.74 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	105309		
85	64.8		51.1	76.7
127	9.2		7.2	10.8

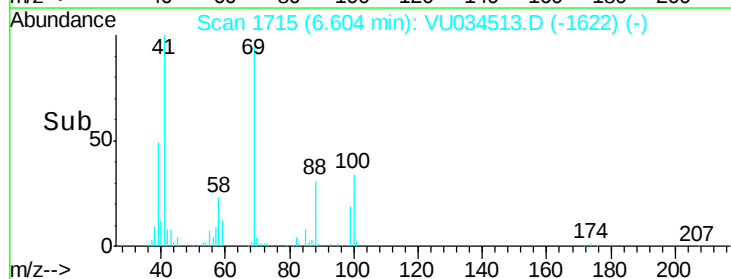
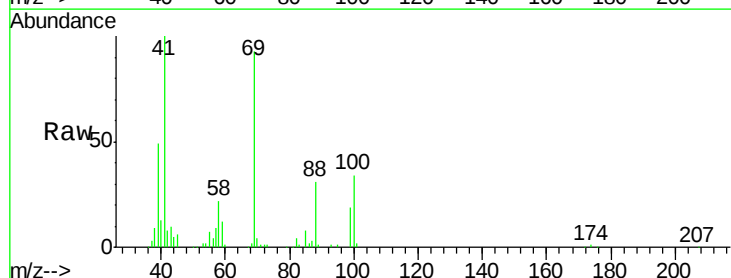
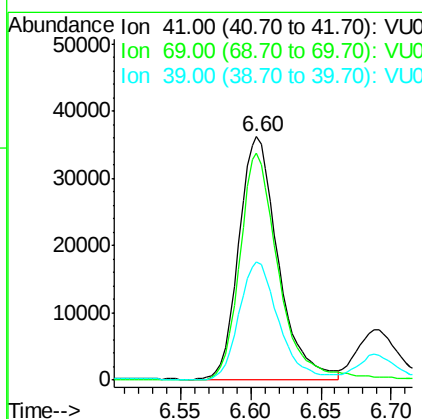
Manual Integrations
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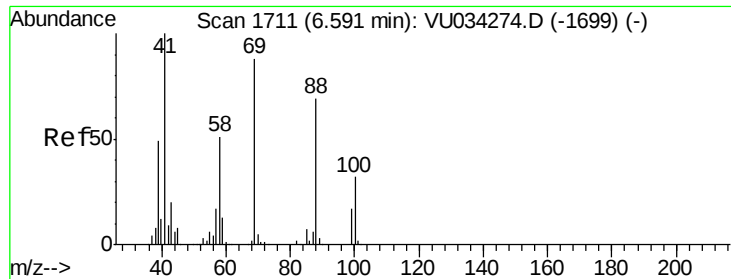
MMDadoda
9/16/2019 11:16:31 AM



#48
Methyl methacrylate
Concen: 21.216 ug/l
RT: 6.60 min Scan# 1715
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	70386		
69	92.9		72.8	109.2
39	48.8		38.6	58.0





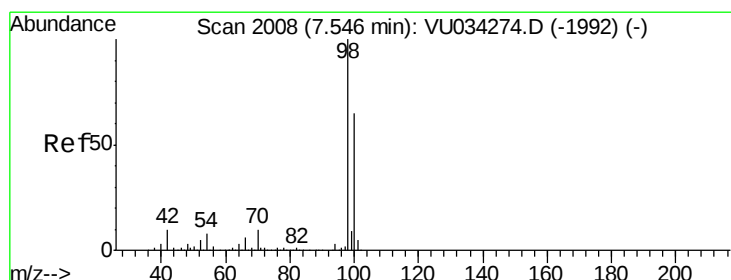
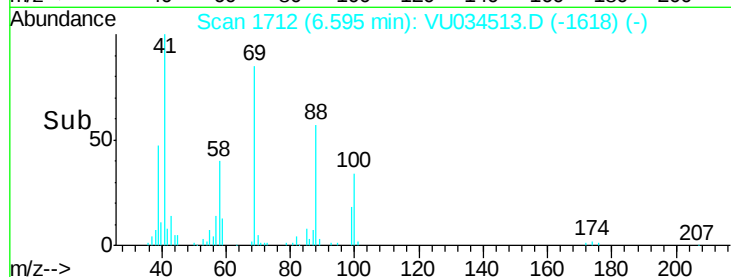
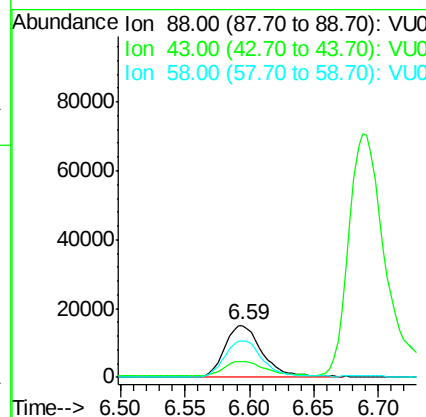
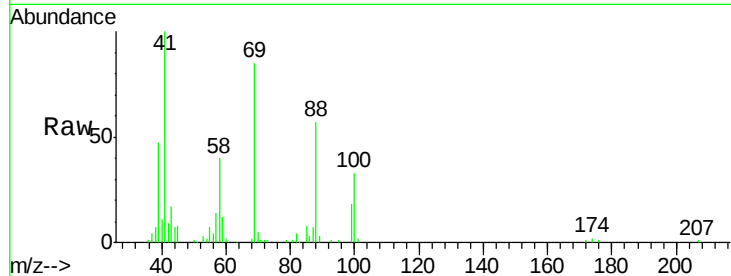
#49
1,4-Dioxane
Concen: 425.725 ug/l
RT: 6.59 min Scan# 1712
Delta R.T. 0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	23.8	35.6
58	72.0	58.4	87.6

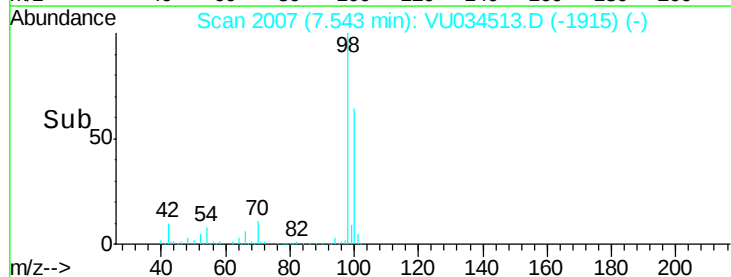
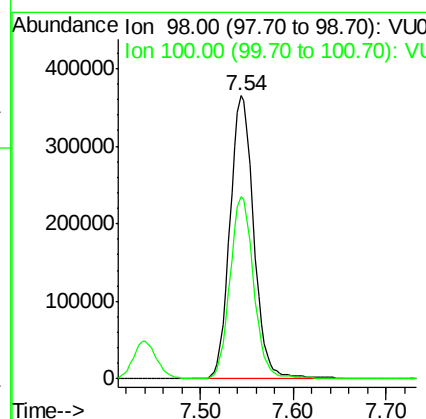
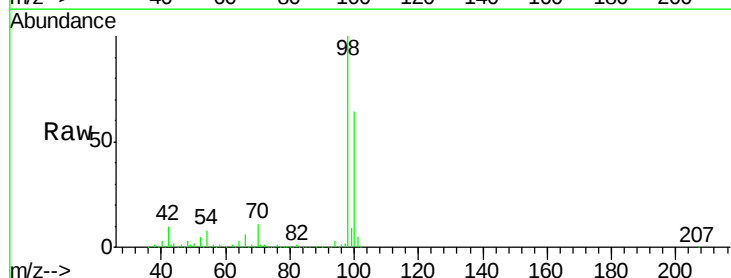
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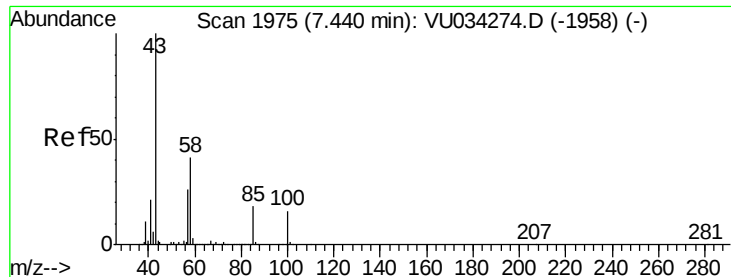
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#50
Toluene-d8
Concen: 53.393 ug/l
RT: 7.54 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 112.424 ug/l

RT: 7.44 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 43 Resp: 543581

Ion Ratio Lower Upper

43 100

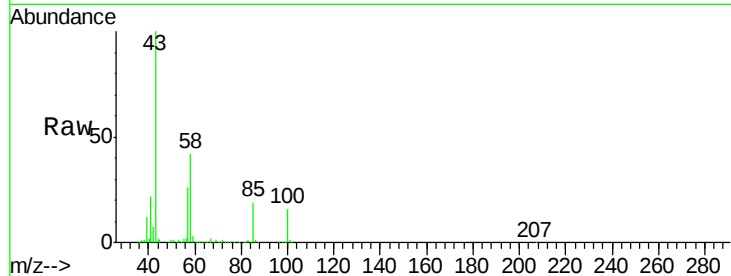
58 41.3 33.0 49.4

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Abundance Ion 43.00 (42.70 to 43.70): VU034274.D (-1958) (-)

Ion 58.00 (57.70 to 58.70): VU034274.D (-1958) (-)

7.44

300000

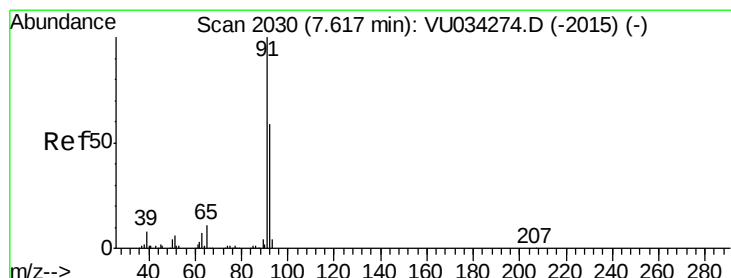
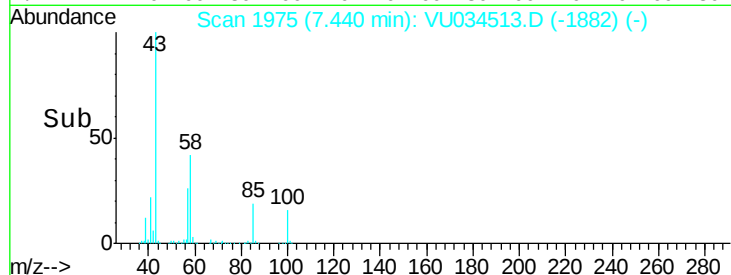
200000

100000

0

7.35 7.40 7.45 7.50 7.55

Time-->



#52

Toluene

Concen: 22.226 ug/l

RT: 7.62 min Scan# 2030

Delta R.T. -0.00 min

Lab File: VU034513.D

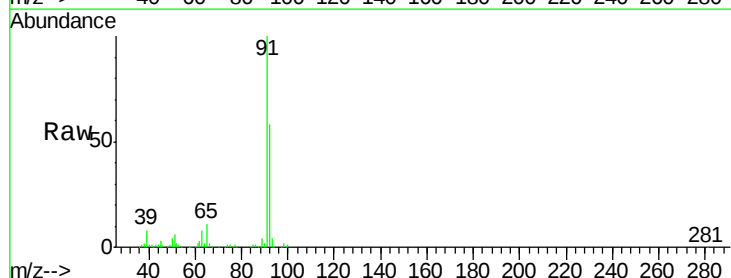
Acq: 12 Sep 2019 12:19

Tgt Ion: 92 Resp: 170380

Ion Ratio Lower Upper

92 100

91 172.9 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VU034274.D (-2015) (-)

Ion 91.00 (90.70 to 91.70): VU034274.D (-2015) (-)

7.62

150000

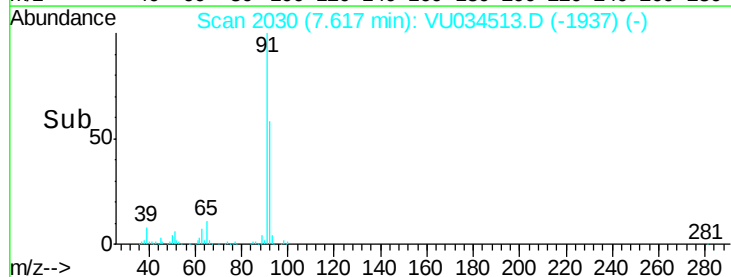
100000

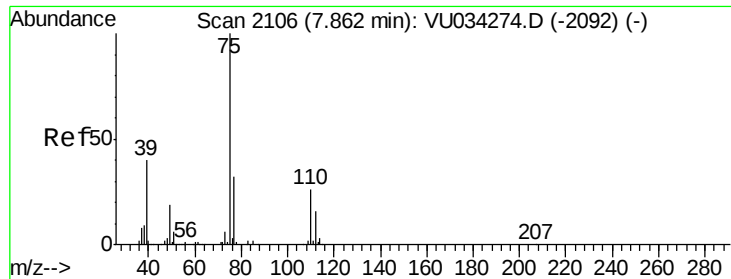
50000

0

7.50 7.60 7.70

Time-->





#53

t-1,3-Dichloropropene

Concen: 22.237 ug/l

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 75 Resp: 106403

Ion Ratio Lower Upper

75 100

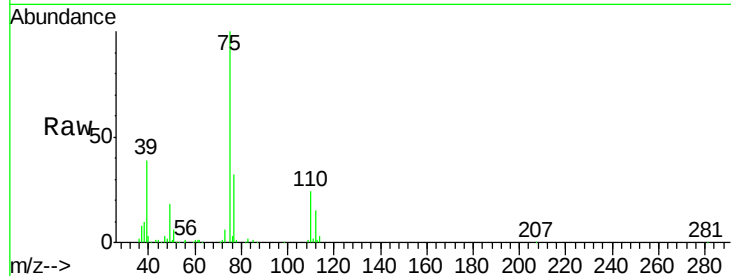
77 32.1 25.7 38.5

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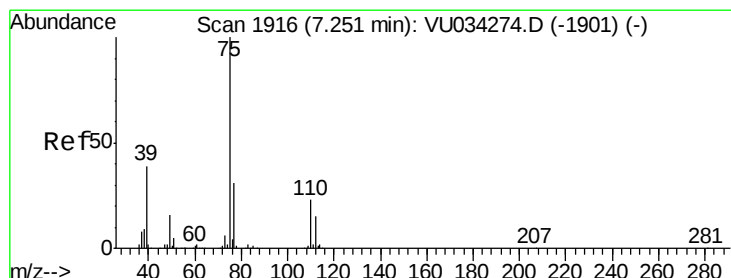
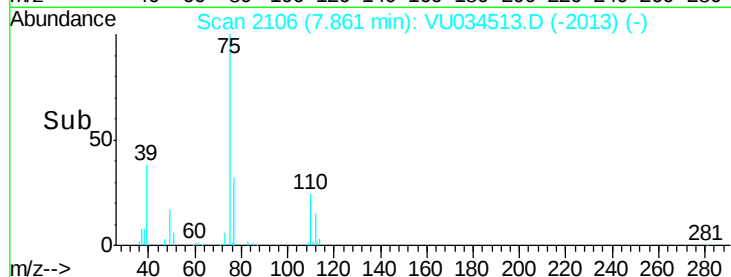
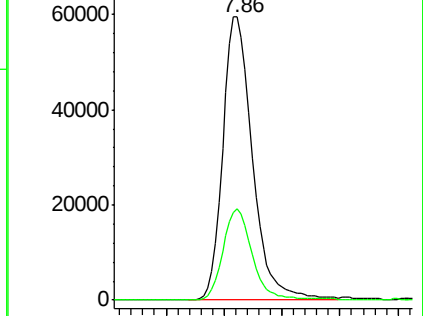
MMDadoda

9/16/2019 11:16:31 AM



Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0



#54

cis-1,3-Dichloropropene

Concen: 22.194 ug/l

RT: 7.25 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

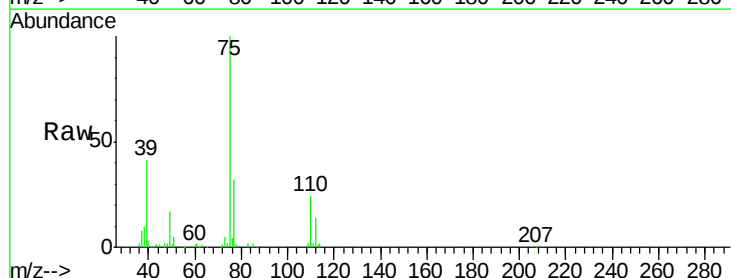
Tgt Ion: 75 Resp: 116558

Ion Ratio Lower Upper

75 100

77 31.9 25.1 37.7

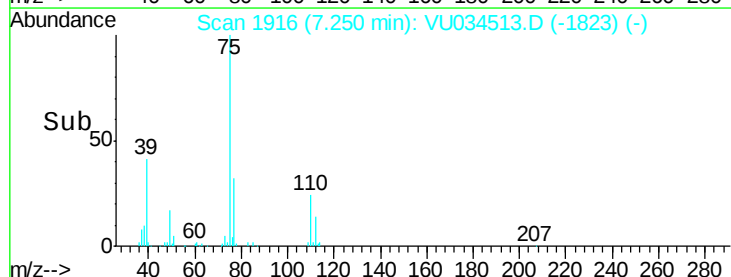
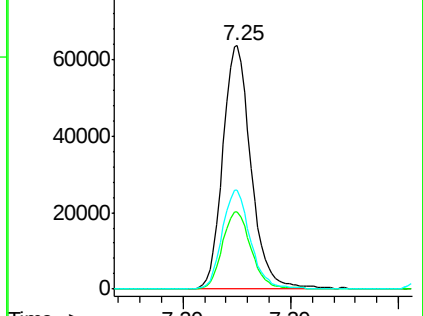
39 40.7 31.2 46.8

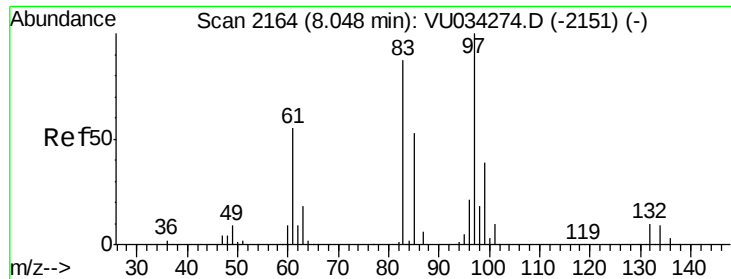


Abundance Ion 74.90 (74.60 to 75.60): VU0

Ion 76.90 (76.60 to 77.60): VU0

Ion 39.00 (38.70 to 39.70): VU0





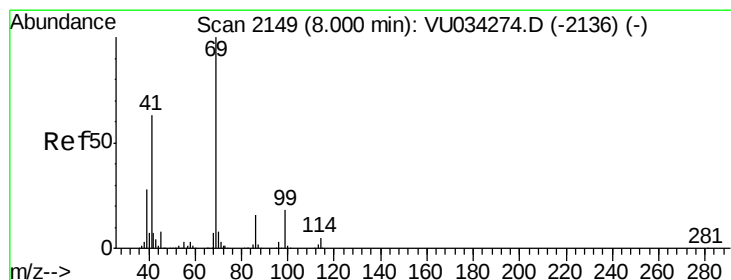
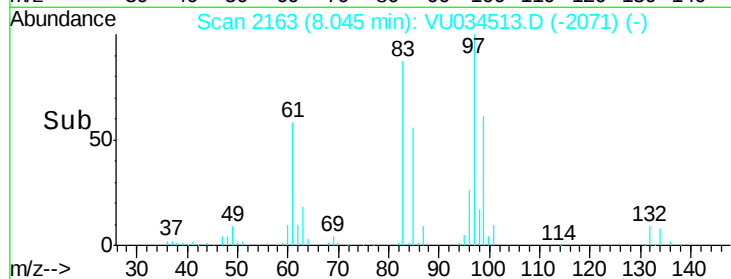
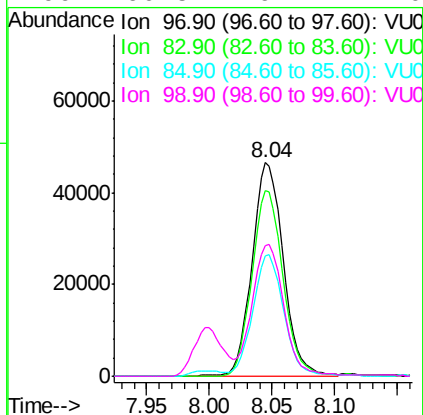
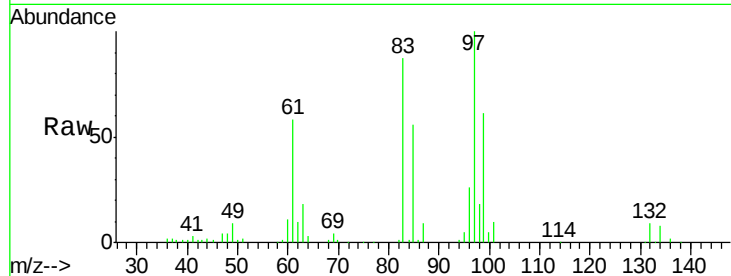
#55
 1,1,2-Trichloroethane
 Concen: 23.270 ug/l
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tot Ion:	97	Resp:	81000
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.0	103.6
85	55.6	44.2	66.2
99	60.5	49.4	74.0

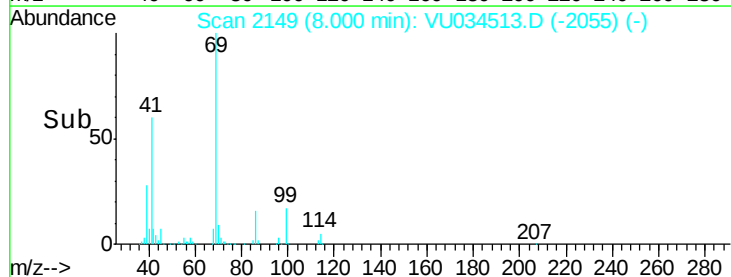
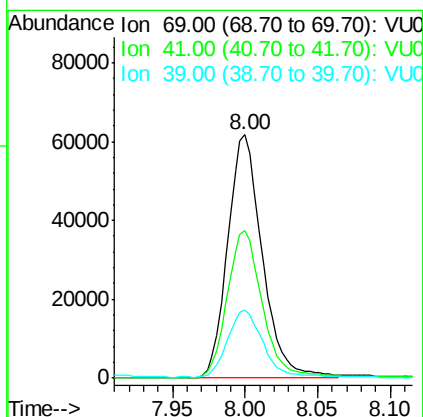
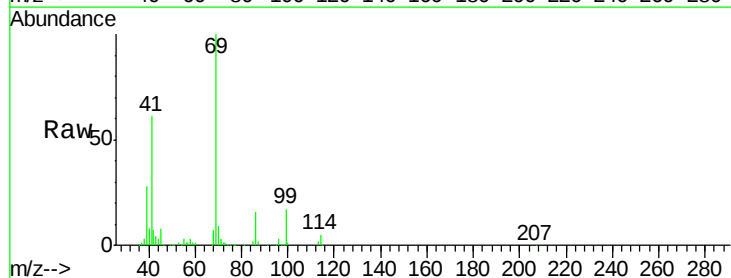
Manual Integrations
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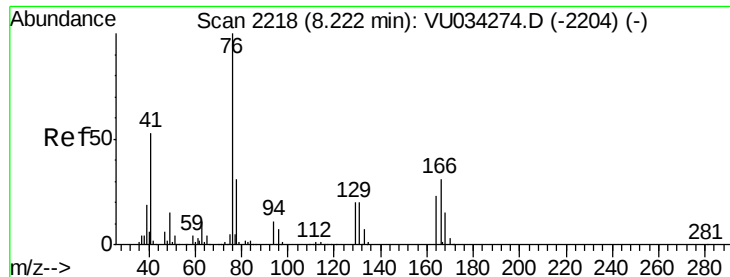
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 9/16/2019 11:16:31 AM



#56
 Ethyl methacrylate
 Concen: 21.235 ug/l
 RT: 8.00 min Scan# 2149
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion:	69	Resp:	102325
Ion	Ratio	Lower	Upper
69	100		
41	61.9	49.5	74.3
39	27.9	22.5	33.7





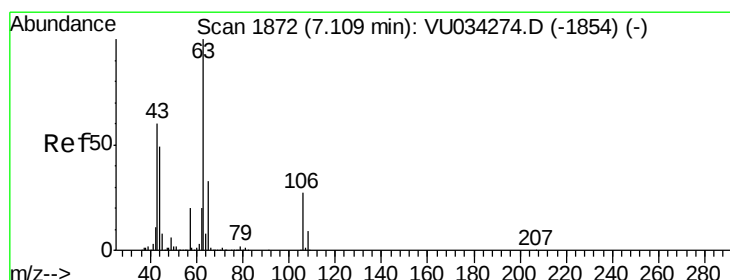
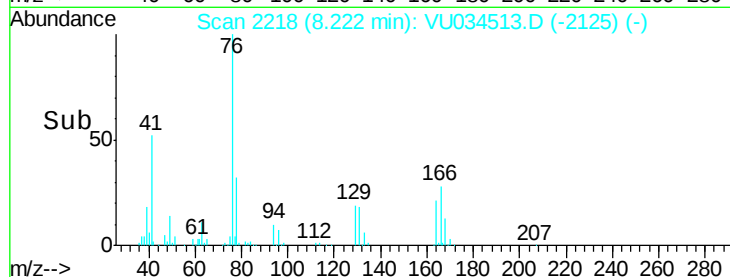
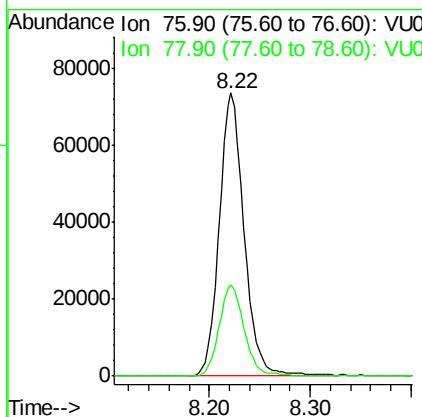
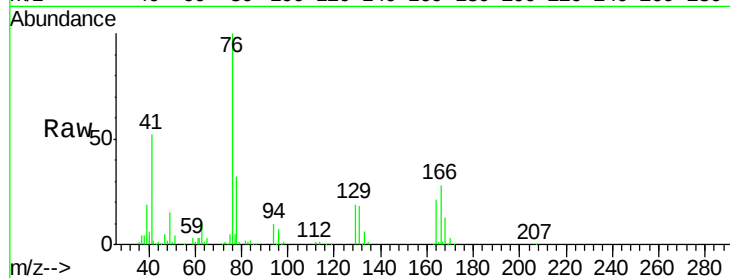
#57
 1,3-Dichloropropane
 Concen: 22.282 ug/l
 RT: 8.22 min Scan# 2218
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.4	38.2

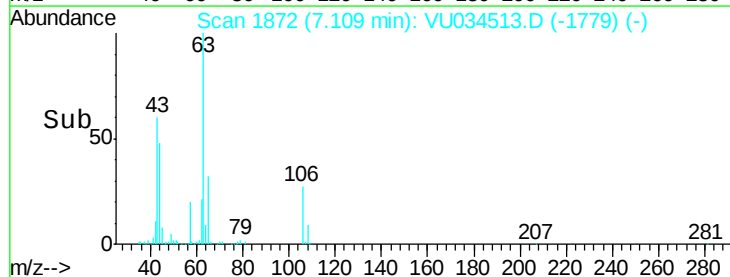
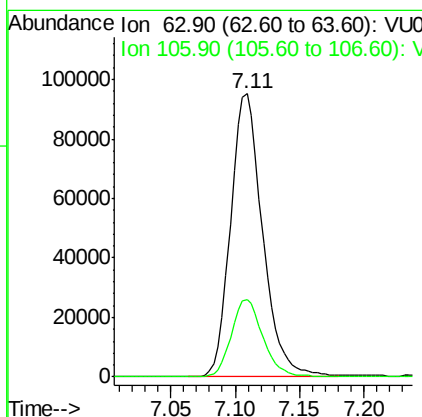
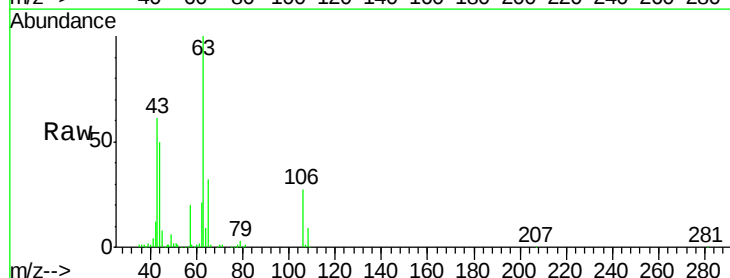
Manual Integrations
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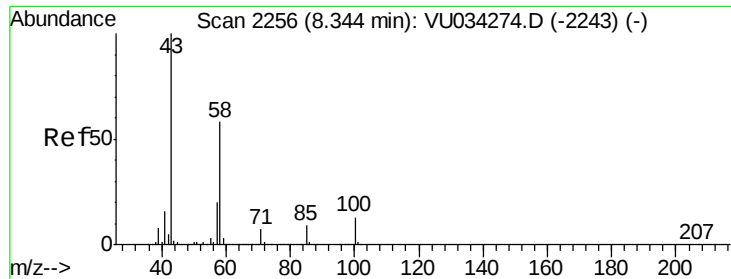
MMDadoda
 9/16/2019 11:16:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 102.384 ug/l
 RT: 7.11 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.0	21.6	32.4





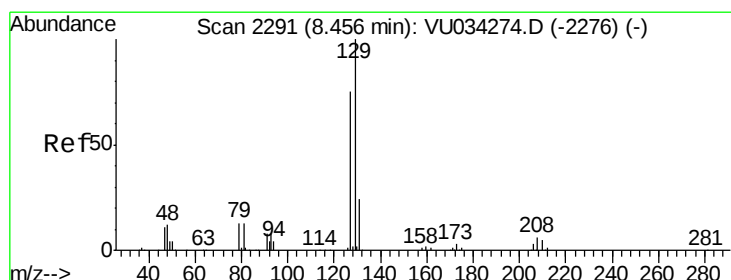
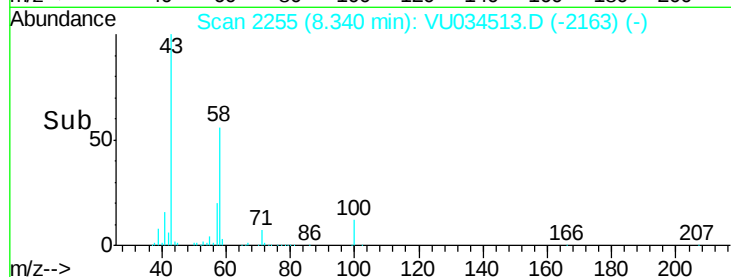
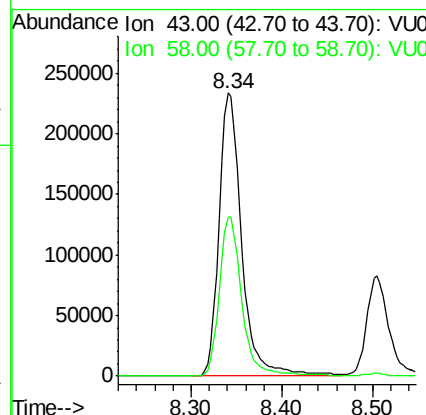
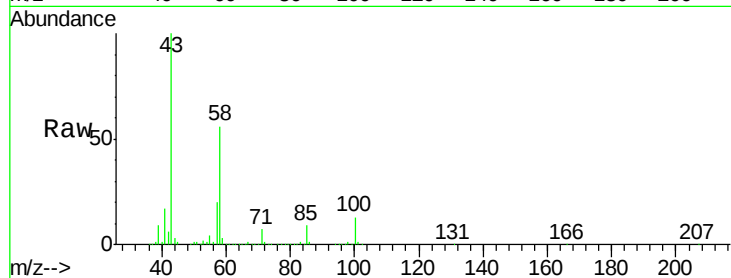
#59
2-Hexanone
Concen: 111.592 ug/l
RT: 8.34 min Scan# 2255
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.5	28.8	86.5

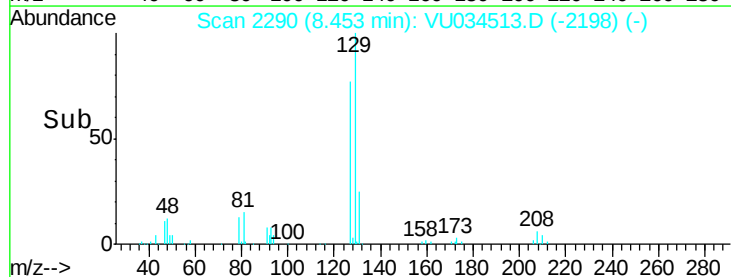
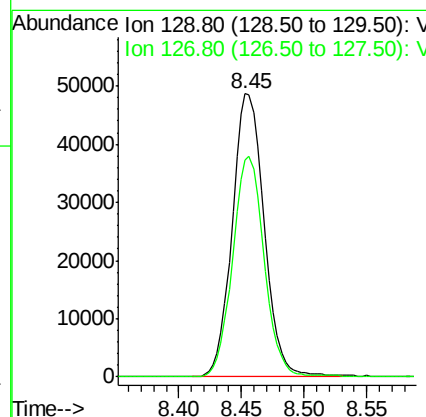
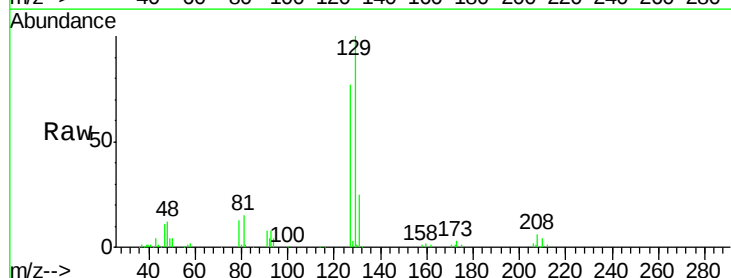
Manual Integrations
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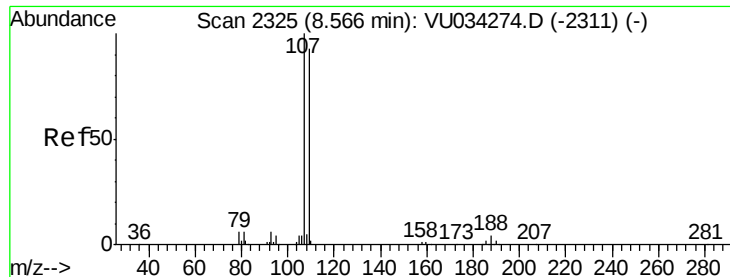
MMDadoda
9/16/2019 11:16:31 AM



#60
Dibromochloromethane
Concen: 23.124 ug/l
RT: 8.45 min Scan# 2290
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.6	37.9	113.7





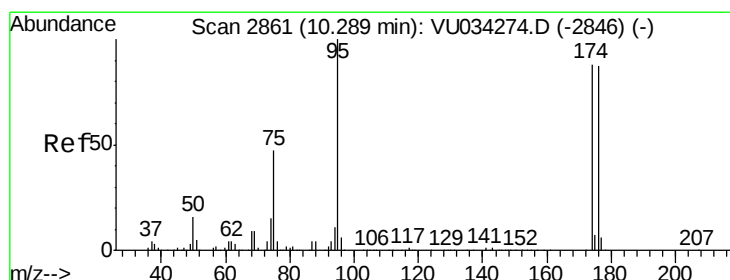
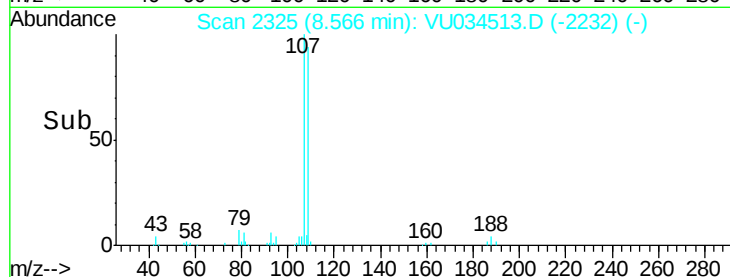
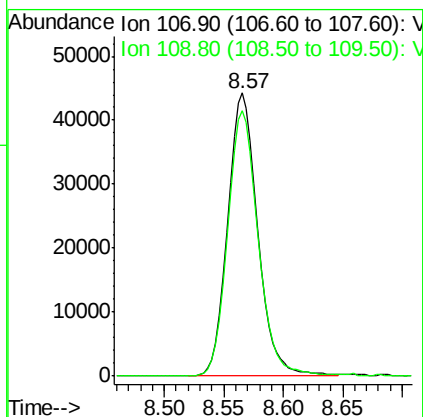
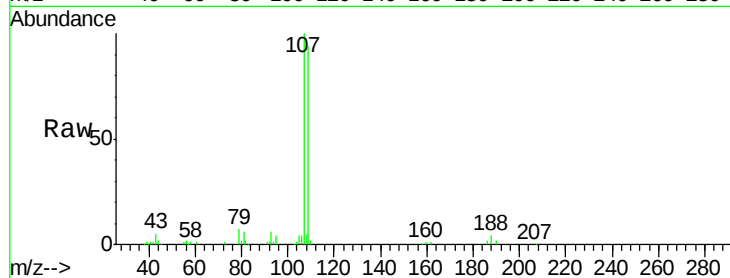
#61
 1,2-Dibromoethane
 Concen: 22.749 ug/l
 RT: 8.57 min Scan# 2325
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.0	112.6

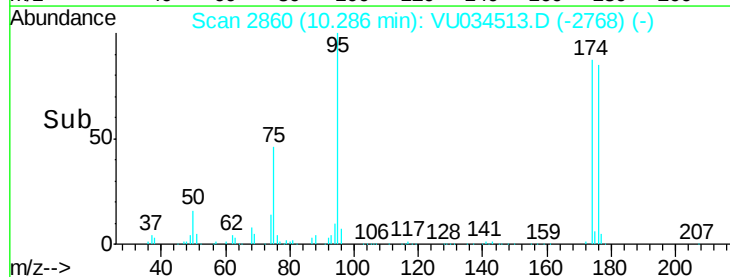
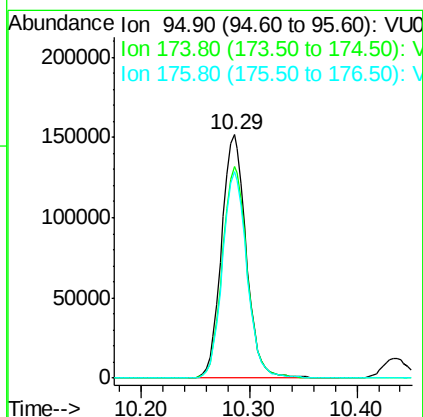
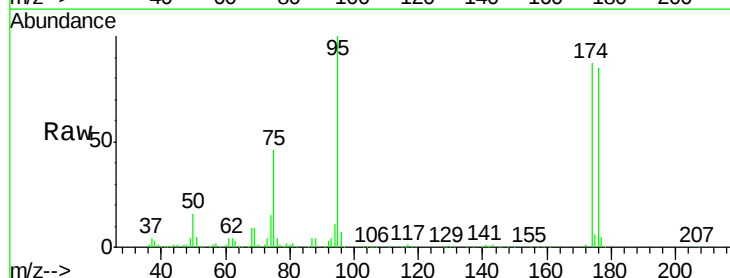
Manual Integrations
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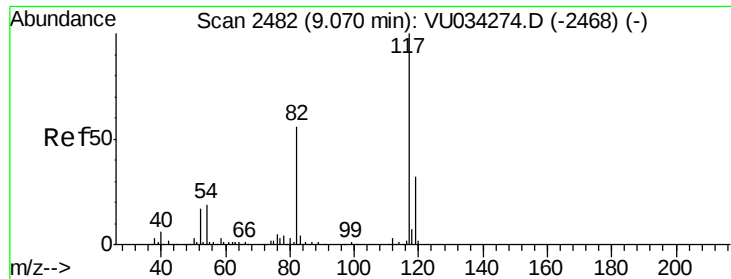
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#62
 4-Bromofluorobenzene
 Concen: 51.110 ug/l
 RT: 10.29 min Scan# 2860
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.7	0.0	175.2
176	84.6	0.0	168.0





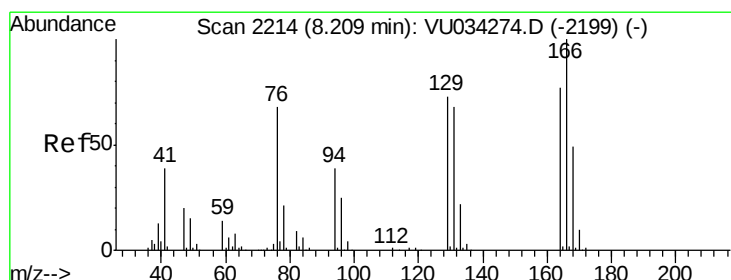
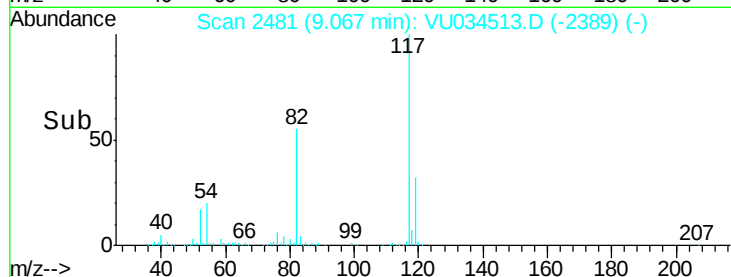
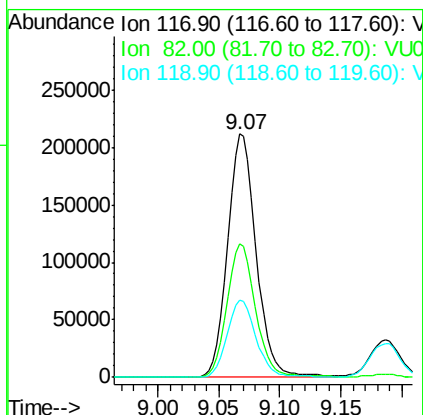
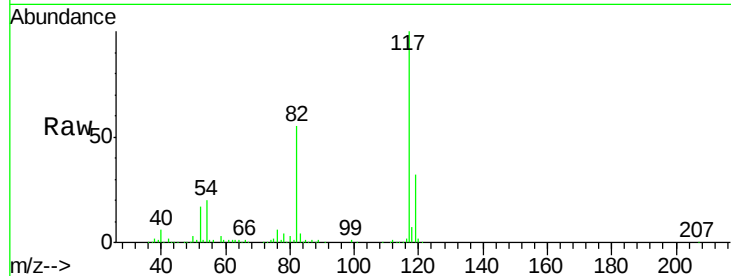
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.07 min Scan# 2481
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	347896		
82	55.1	44.6	67.0	
119	31.6	25.9	38.9	

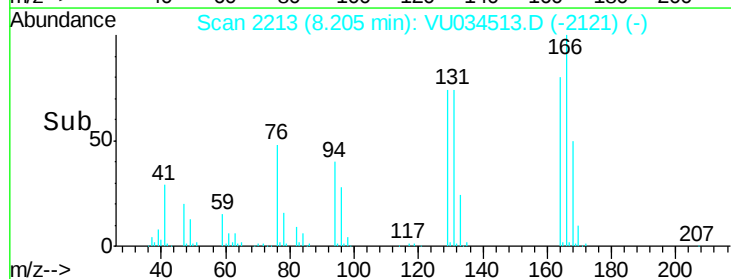
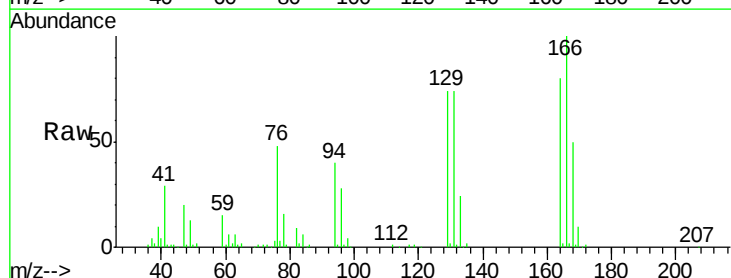
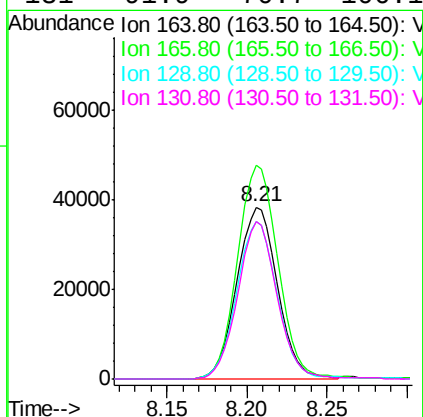
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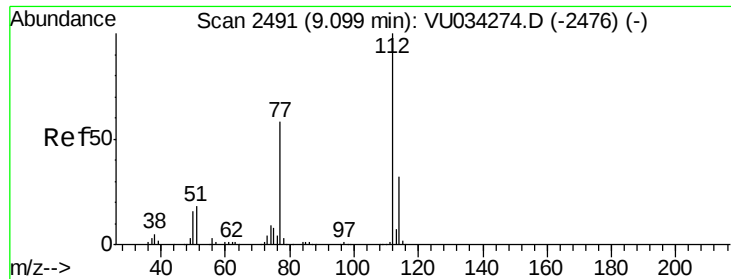
MMDadoda
9/16/2019 11:16:31 AM



#64
Tetrachloroethene
Concen: 21.960 ug/l
RT: 8.21 min Scan# 2213
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	66279		
166	124.3	103.7	155.5	
129	91.8	75.8	113.8	
131	91.9	70.7	106.1	





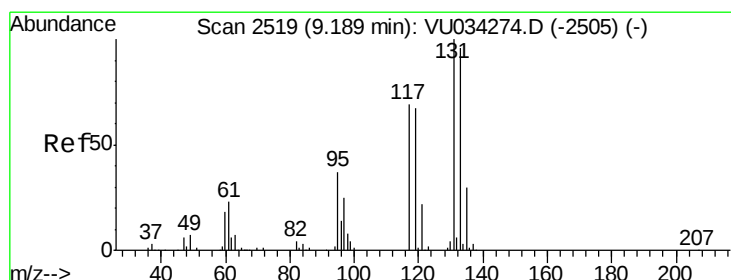
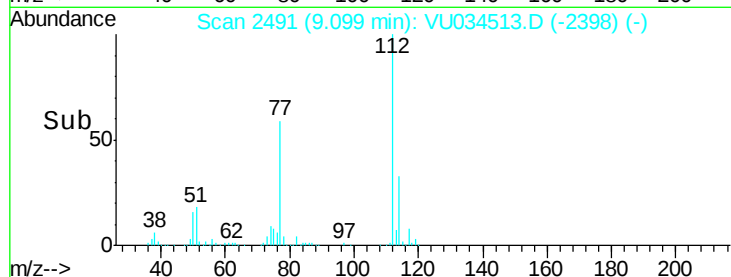
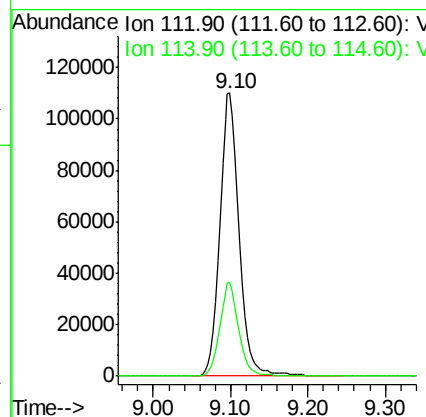
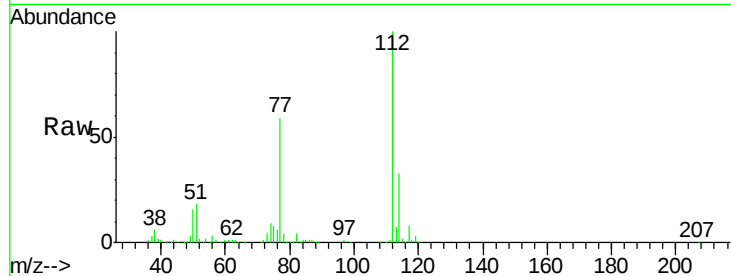
#65
Chlorobenzene
Concen: 22.008 ug/l
RT: 9.10 min Scan# 2491
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Resp	Lower	Upper
112	100	194250		
114	33.0	25.9	38.9	

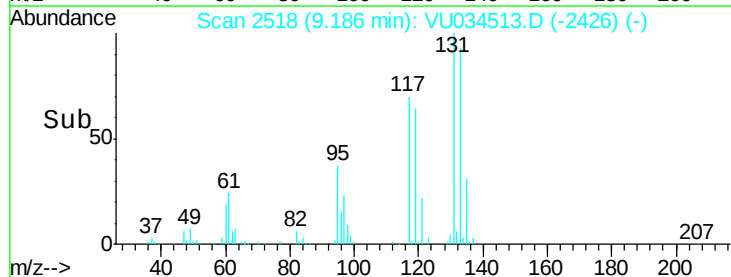
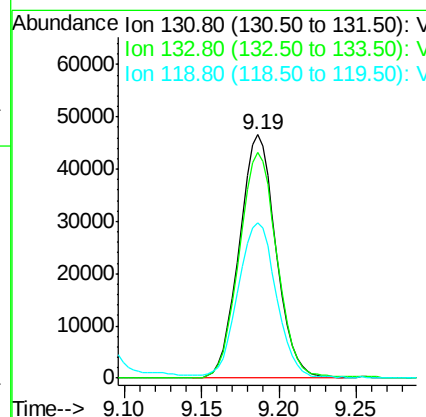
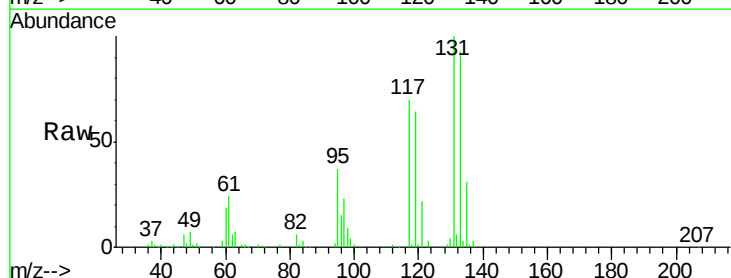
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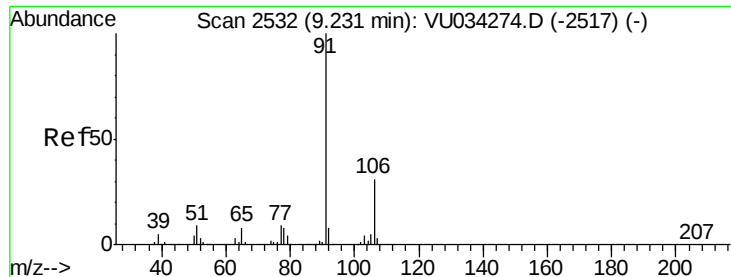
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.745 ug/l
RT: 9.19 min Scan# 2518
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	76614		
133	95.4	47.9	143.7	
119	66.2	33.1	99.5	





#67

Ethyl Benzene

Concen: 21.680 ug/l

RT: 9.23 min Scan# 2531

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 91 Resp: 312879

Ion Ratio Lower Upper

91 100

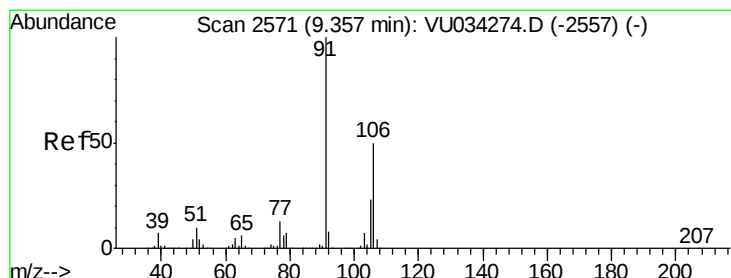
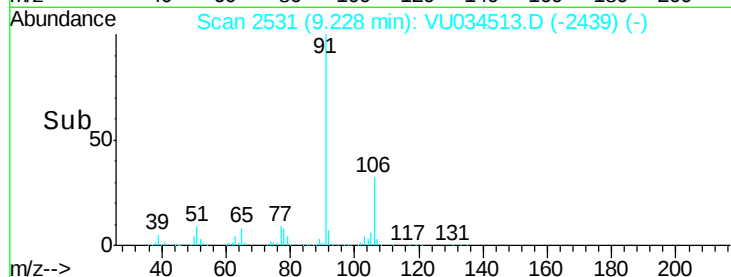
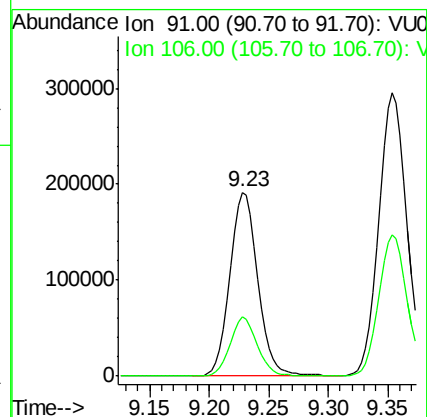
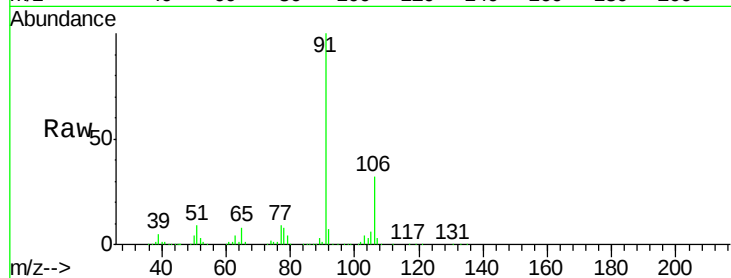
106 32.2 24.8 37.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 45.296 ug/l

RT: 9.35 min Scan# 2570

Delta R.T. -0.00 min

Lab File: VU034513.D

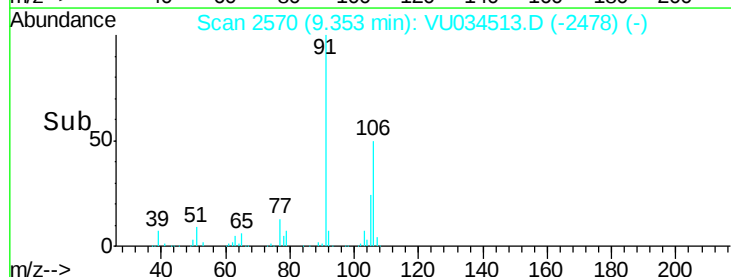
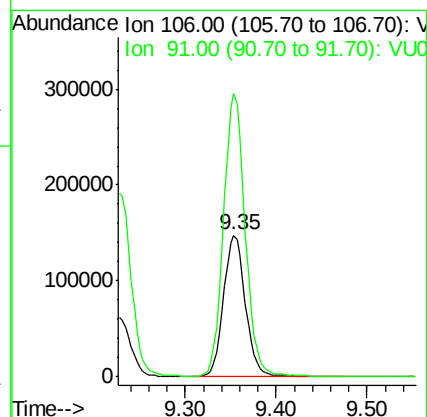
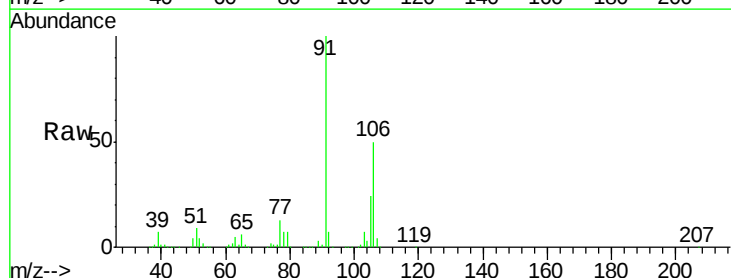
Acq: 12 Sep 2019 12:19

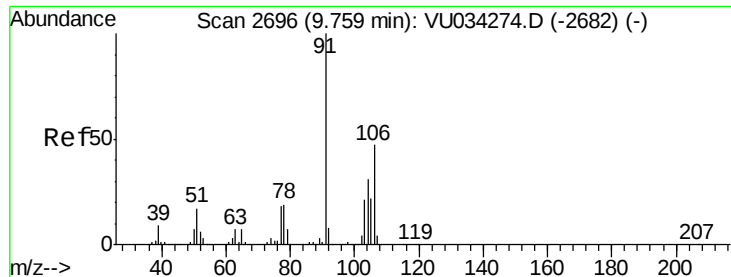
Tgt Ion: 106 Resp: 246155

Ion Ratio Lower Upper

106 100

91 198.4 160.1 240.1





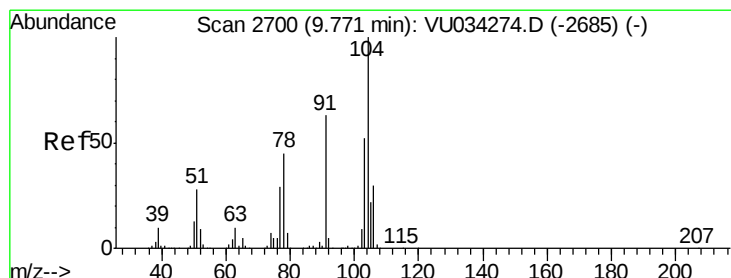
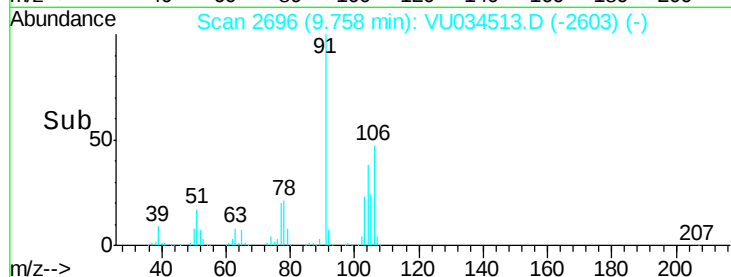
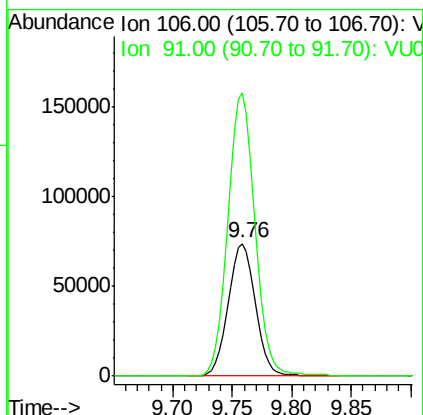
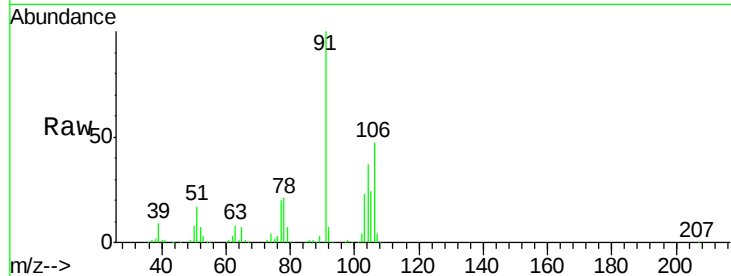
#69
o-Xylene
Concen: 22.106 ug/l
RT: 9.76 min Scan# 2696
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	117482		
91	91	212.5	105.1	315.3	

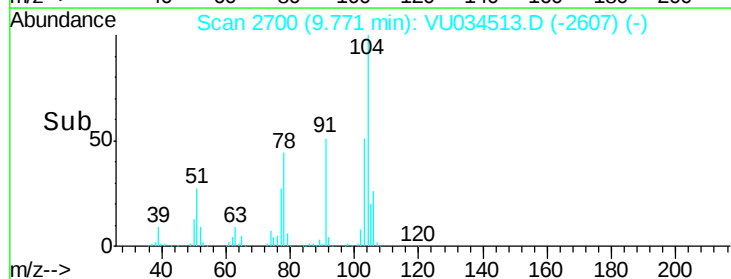
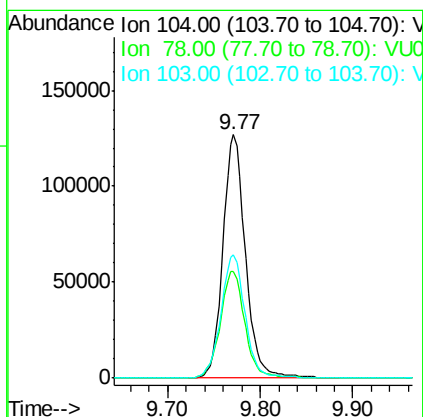
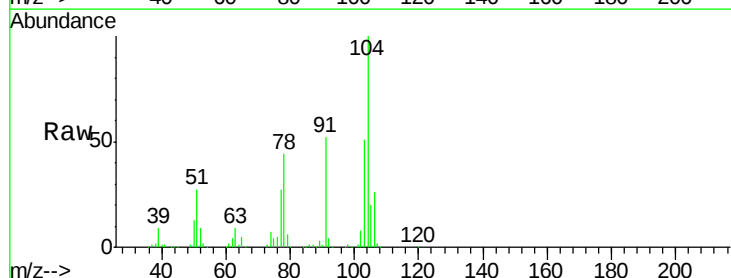
Manual Integrations
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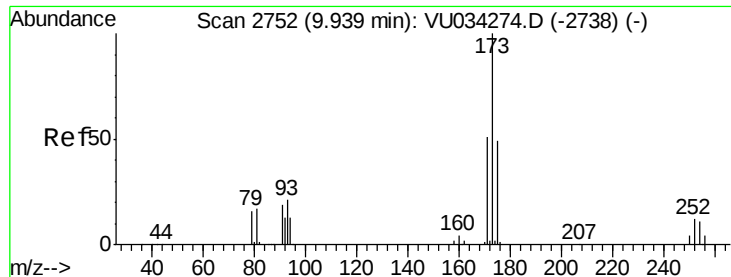
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#70
Styrene
Concen: 23.031 ug/l
RT: 9.77 min Scan# 2700
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	214597		
78	78	47.7	38.6	57.8	
103	103	54.4	44.2	66.4	





#71

Bromoform

Concen: 22.962 ug/l

RT: 9.94 min Scan# 2751

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion:173 Resp: 67033

Ion Ratio Lower Upper

173 100

175 47.9 24.4 73.2

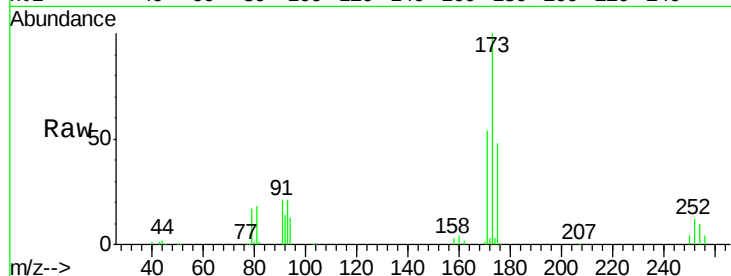
254 0.0 0.0 0.0

Manual Integrations

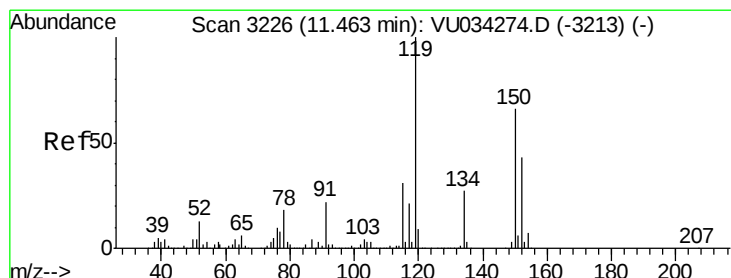
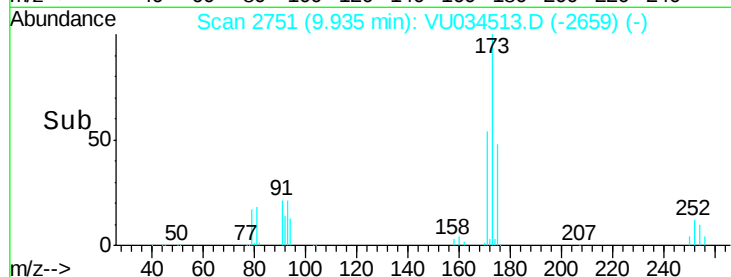
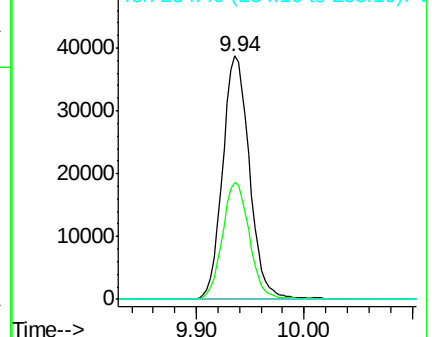
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.46 min Scan# 3225

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

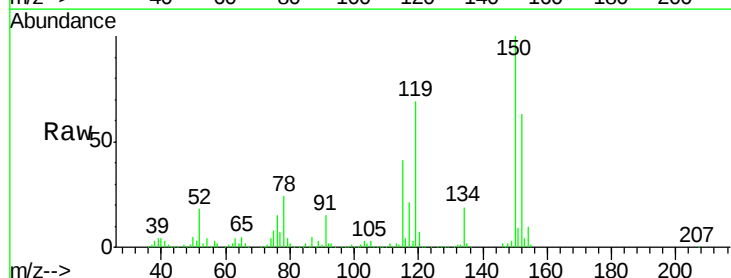
Tgt Ion:152 Resp: 233816

Ion Ratio Lower Upper

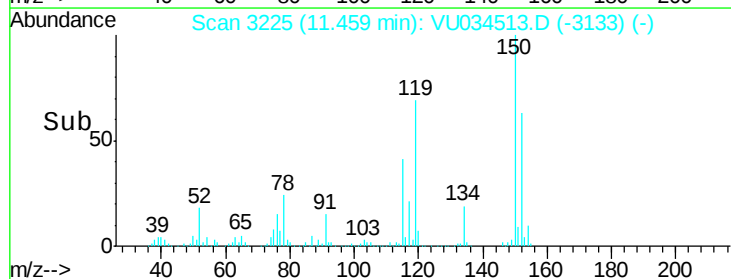
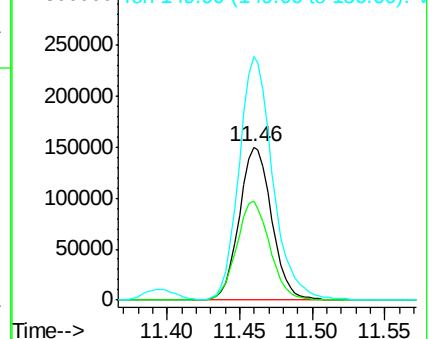
152 100

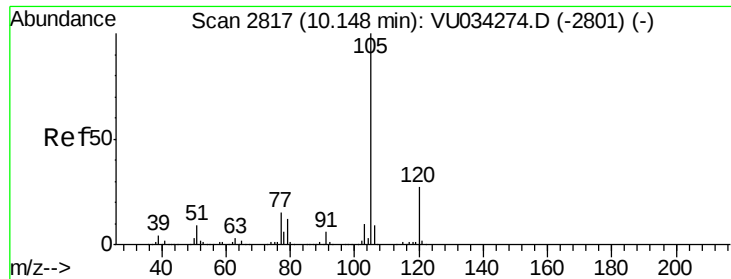
115 66.4 39.1 117.3

150 164.2 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: 21.622 ug/l

RT: 10.14 min Scan# 2816

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 105 Resp: 329006

Ion Ratio Lower Upper

105 100

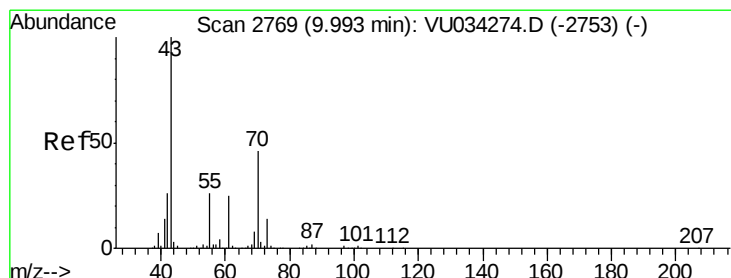
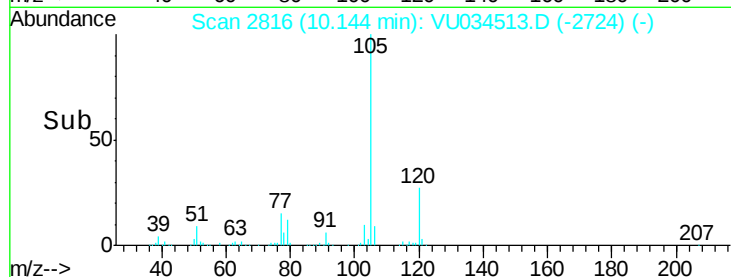
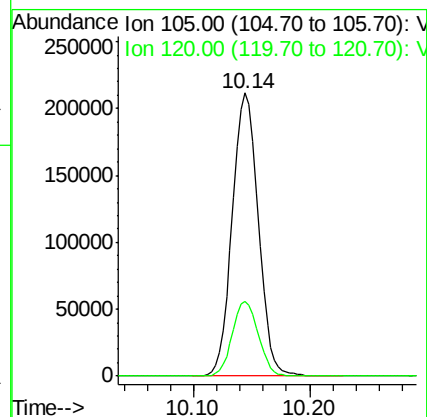
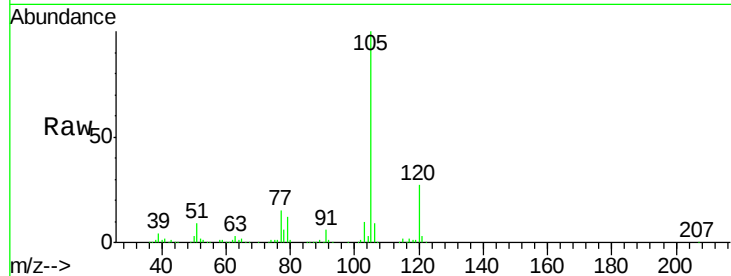
120 26.4 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.672 ug/l

RT: 9.99 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion: 43 Resp: 126615

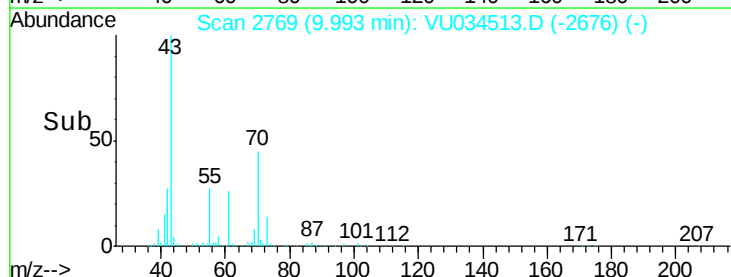
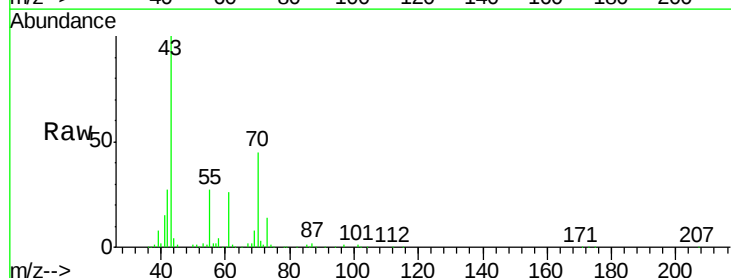
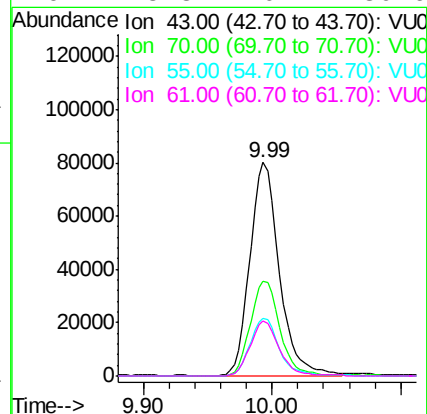
Ion Ratio Lower Upper

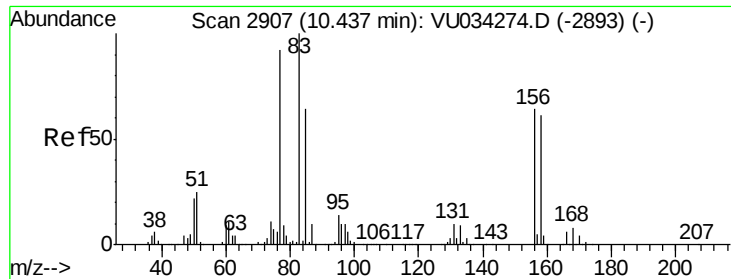
43 100

70 45.2 36.4 54.6

55 27.3 21.2 31.8

61 25.8 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 22.044 ug/l

RT: 10.43 min Scan# 2906

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 83 Resp: 135771

Ion Ratio Lower Upper

83 100

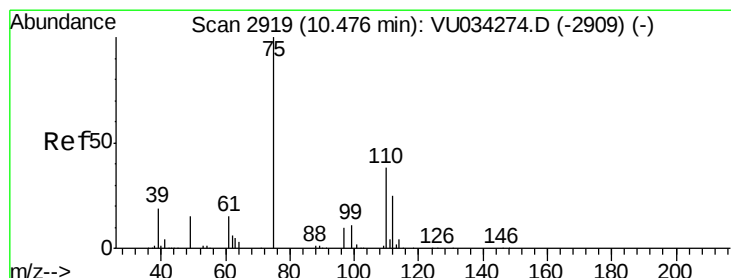
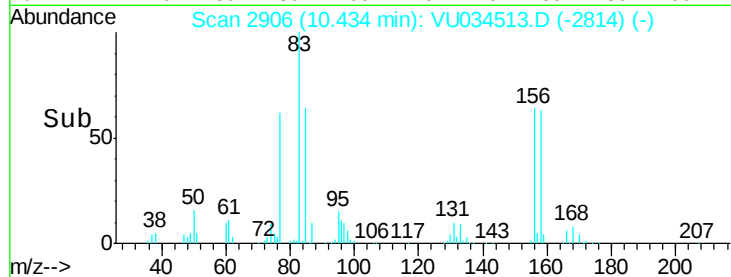
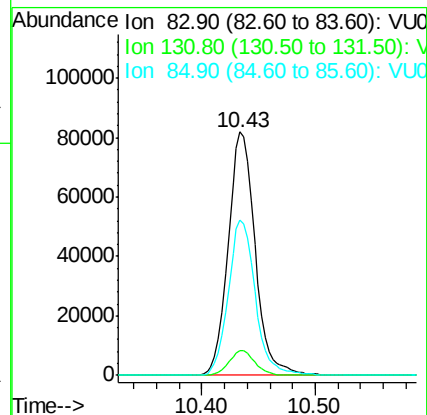
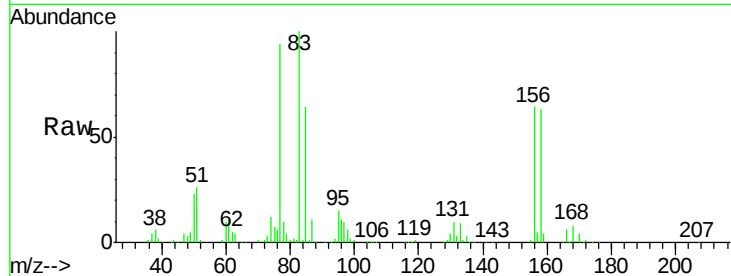
131 9.8 5.1 15.2

85 64.1 32.0 96.2

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#76

1,2,3-Trichloropropane

Concen: 22.268 ug/l m

RT: 10.47 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VU034513.D

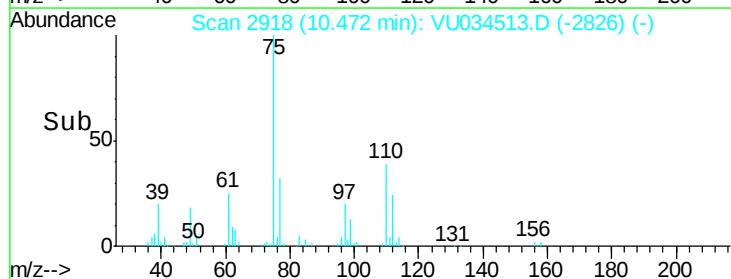
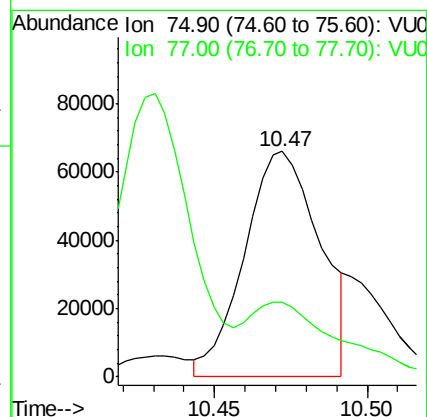
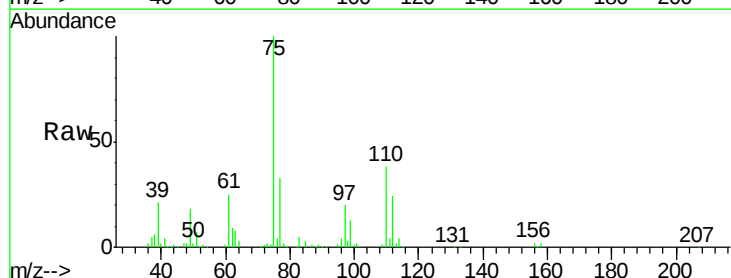
Acq: 12 Sep 2019 12:19

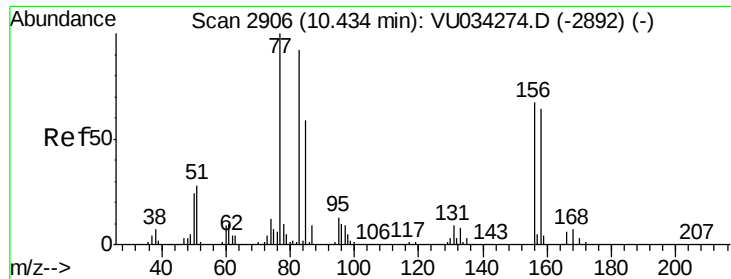
Tgt Ion: 75 Resp: 113649

Ion Ratio Lower Upper

75 100

77 40.9 20.8 62.2





#77

Bromobenzene

Concen: 21.480 ug/l

RT: 10.43 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

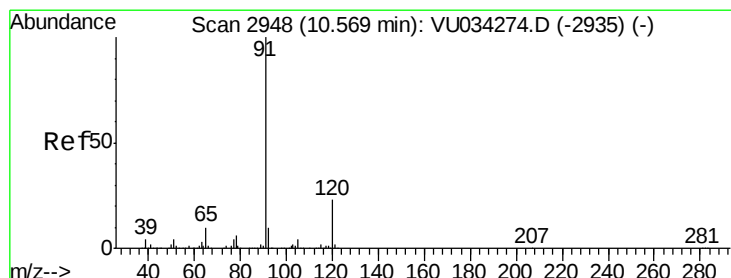
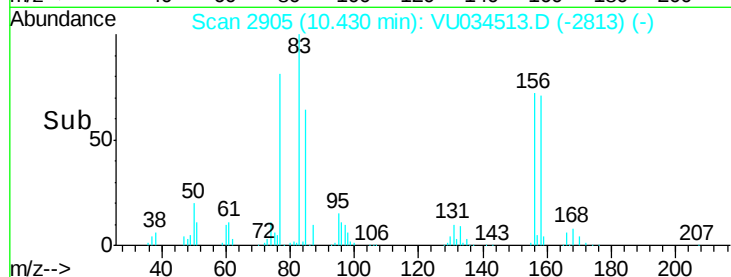
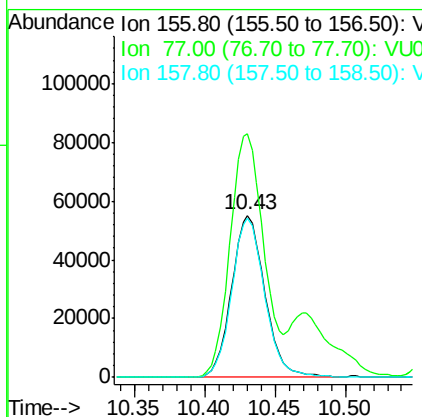
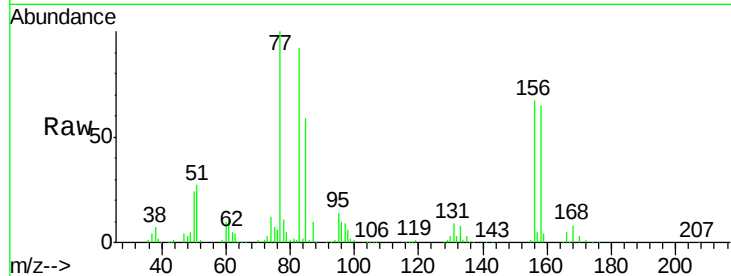
ClientSampleId :

VU0912WBS02

Tot Ion:	156	Resp:	91389
Ion	Ratio	Lower	Upper
156	100		
77	152.6	75.6	226.9
158	97.6	48.2	144.6

Manual Integrations
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#78

n-propylbenzene

Concen: 21.660 ug/l

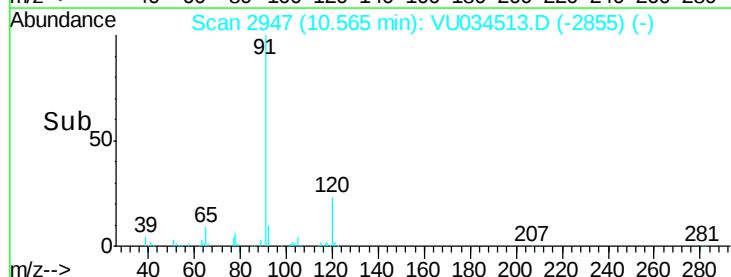
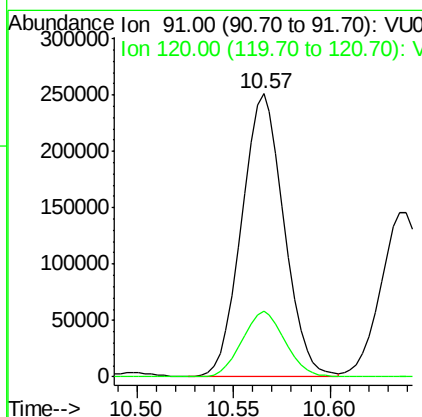
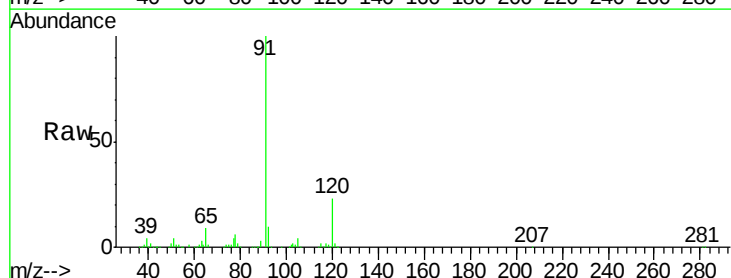
RT: 10.57 min Scan# 2947

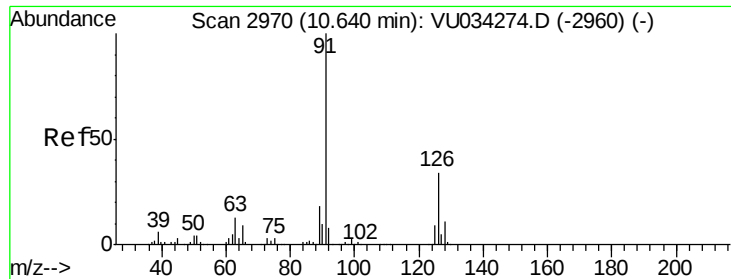
Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion:	91	Resp:	380639
Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.7	35.0





#79

2-Chlorotoluene

Concen: 21.986 ug/l

RT: 10.64 min Scan# 2969

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion: 91 Resp: 235743

Ion Ratio Lower Upper

91 100

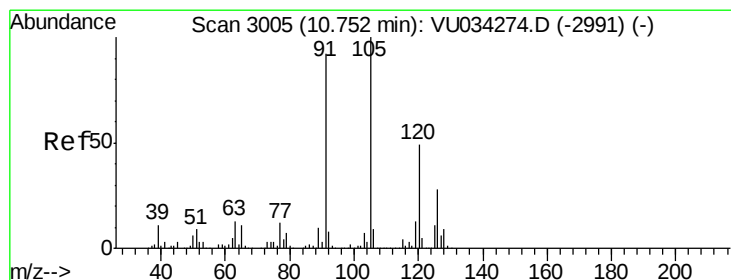
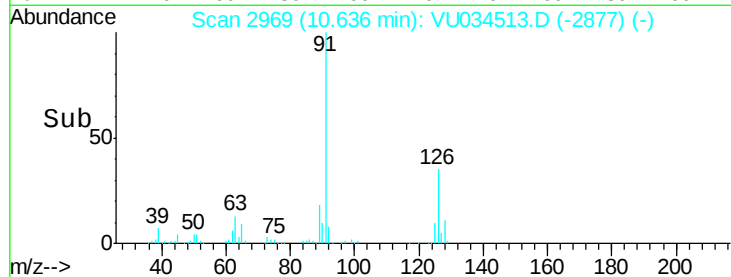
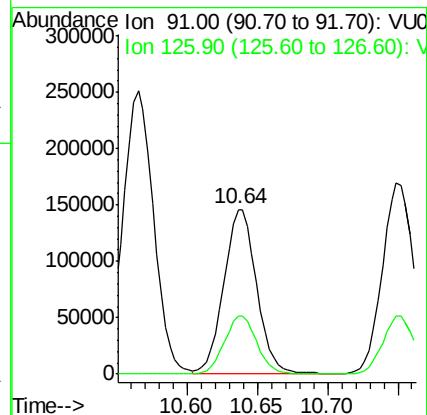
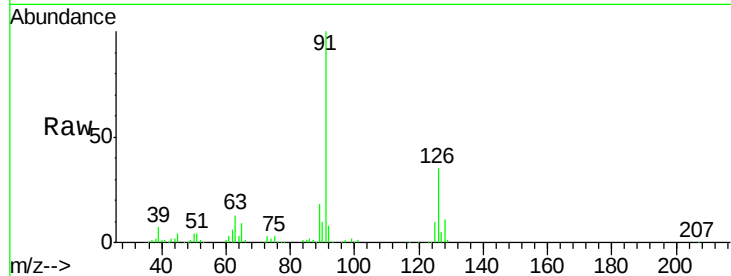
126 35.3 17.3 51.9

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.538 ug/l

RT: 10.75 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VU034513.D

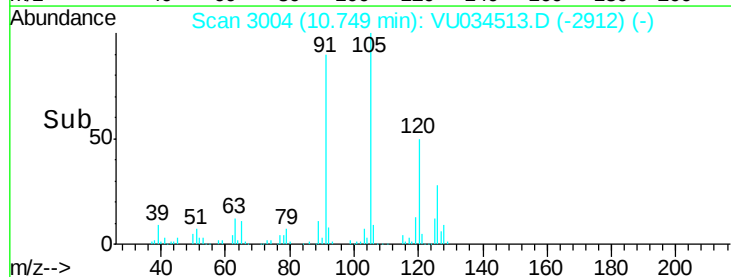
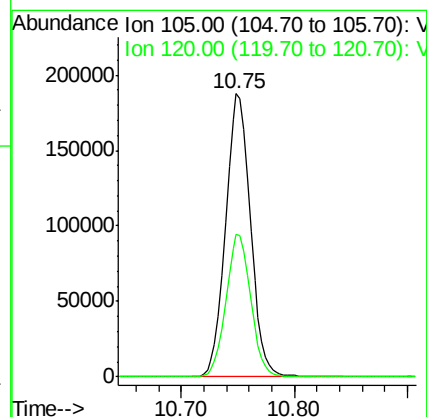
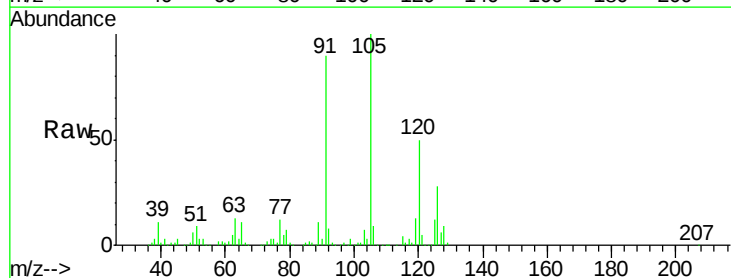
Acq: 12 Sep 2019 12:19

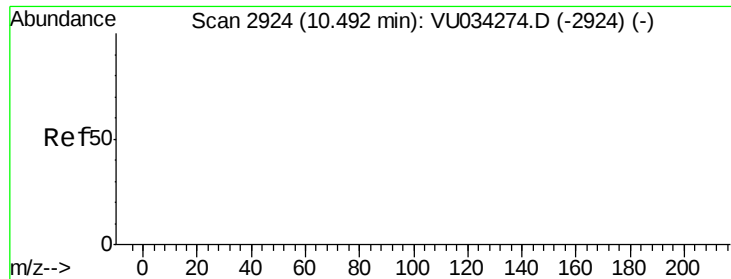
Tgt Ion: 105 Resp: 286810

Ion Ratio Lower Upper

105 100

120 50.1 24.9 74.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.922 ug/l m

RT: 10.49 min Scan# 2924

Delta R.T. -0.00 min

Lab File: VU034513.D

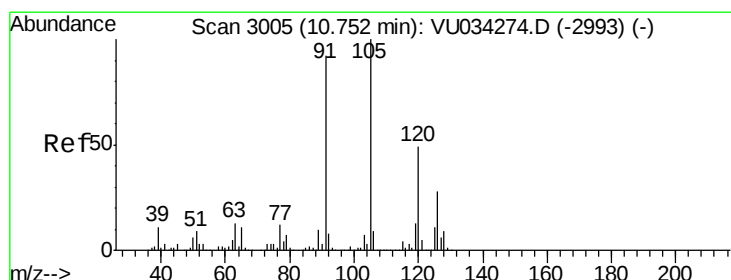
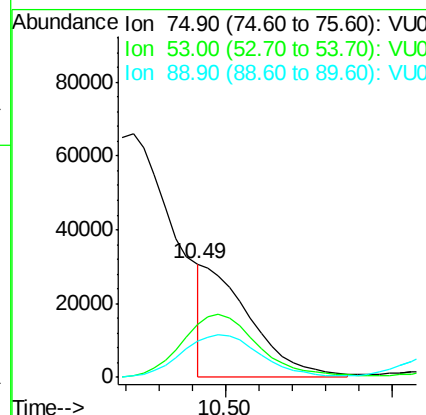
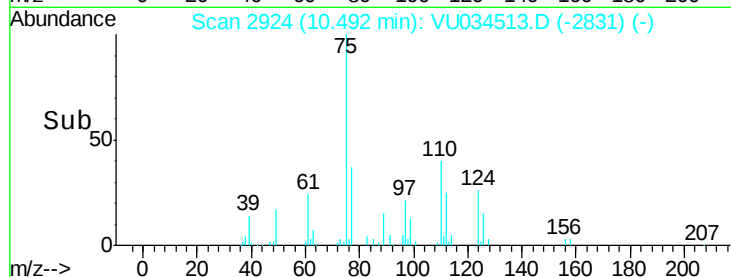
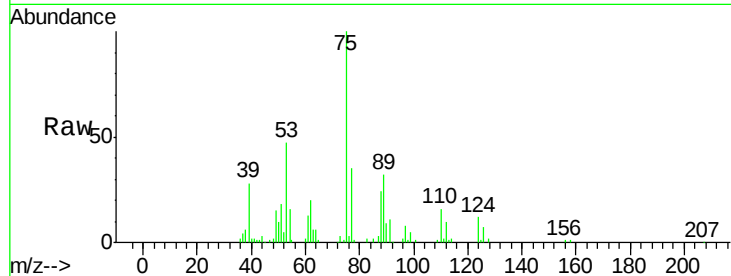
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

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

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.170 ug/l

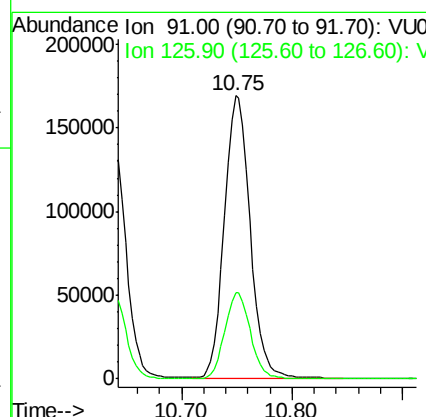
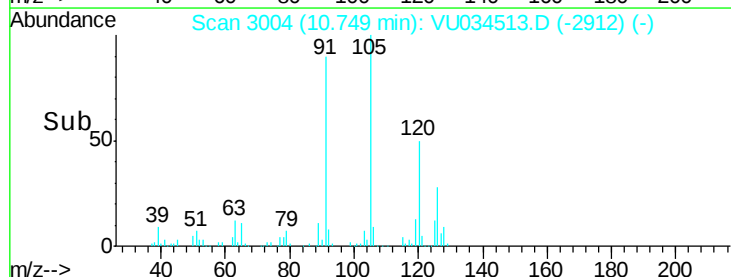
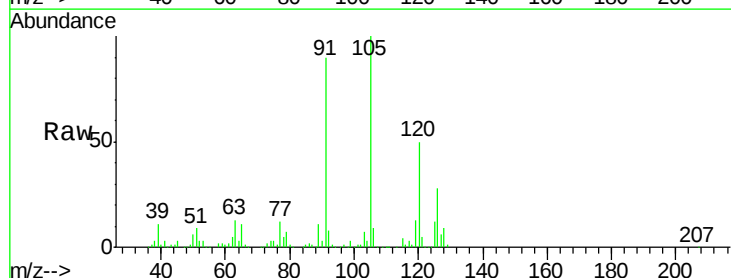
RT: 10.75 min Scan# 3004

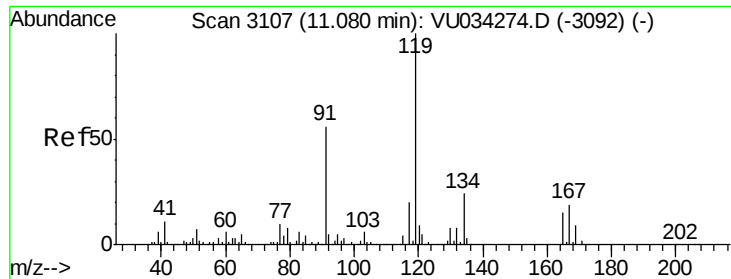
Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.3	15.3	45.8





#83

tert-Butylbenzene

Concen: 21.730 ug/l

RT: 11.08 min Scan# 3106

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

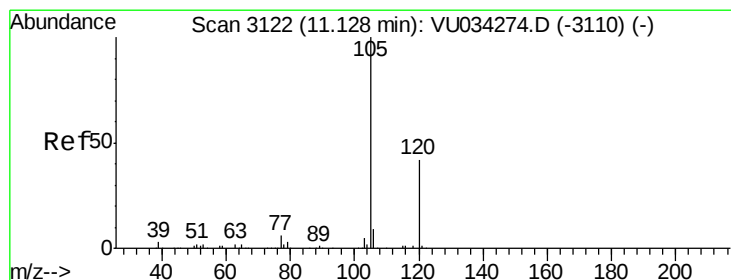
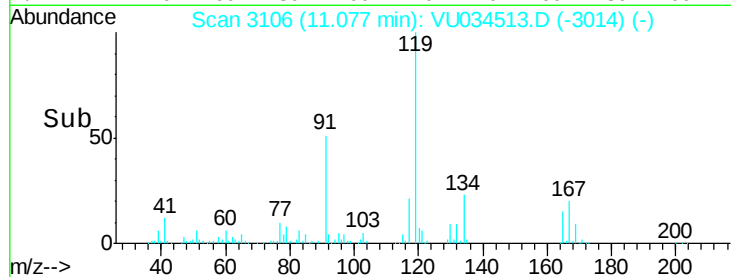
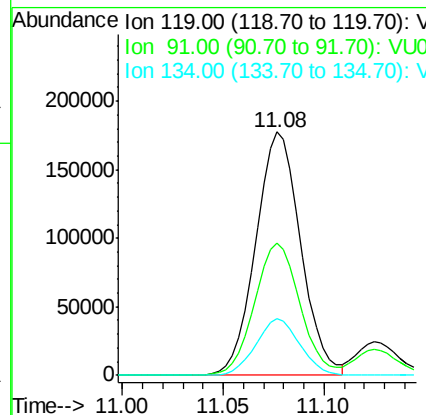
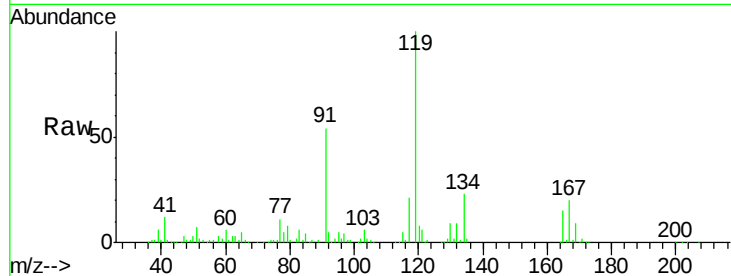
ClientSampleId :

VU0912WBS02

Tot Ion:	119	Resp:	276639
Ion Ratio	Lower	Upper	
119	100		
91	54.5	27.8	83.4
134	22.8	11.7	35.0

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#84

1,2,4-Trimethylbenzene

Concen: 22.188 ug/l

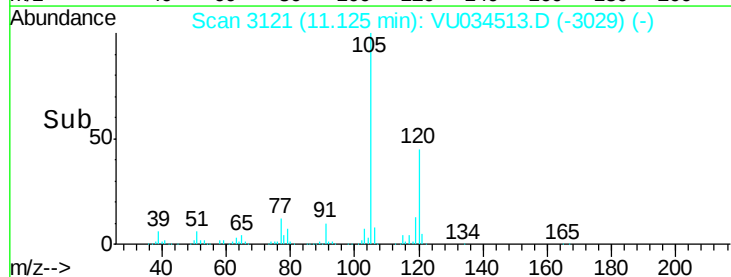
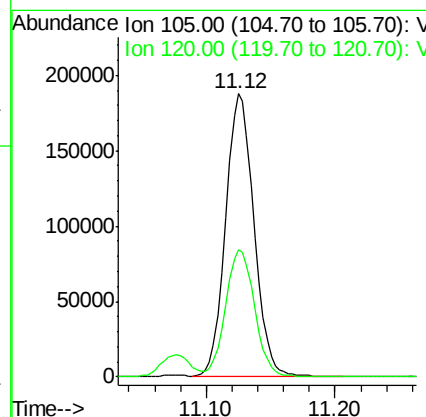
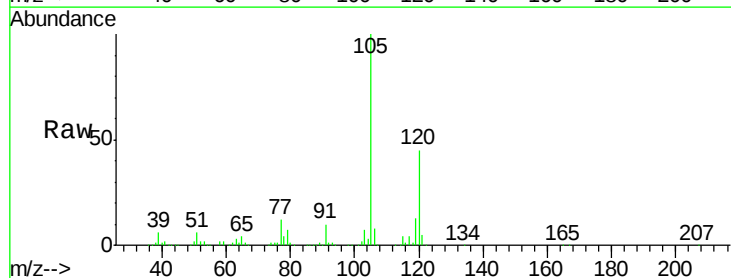
RT: 11.12 min Scan# 3121

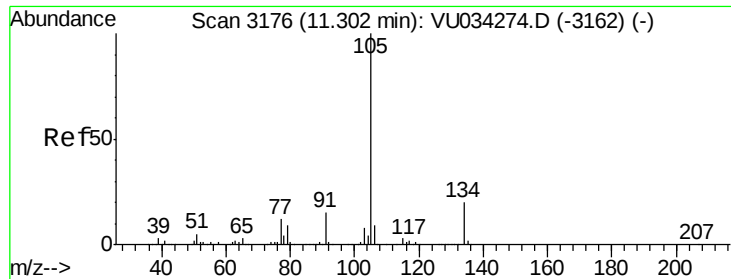
Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion:	105	Resp:	284234
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.9	68.8





#85

sec-Butylbenzene

Concen: 21.872 ug/l

RT: 11.30 min Scan# 3176

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

ClientSampleId :

VU0912WBS02

Tot Ion:105 Resp: 328733

Ion Ratio Lower Upper

105 100

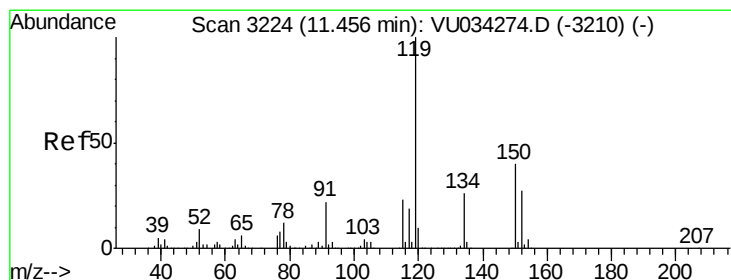
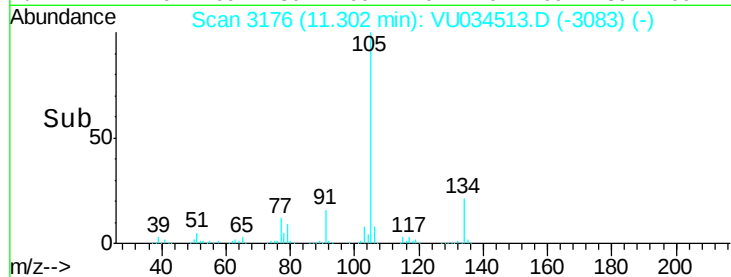
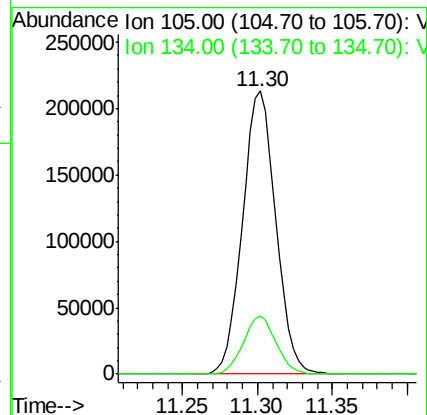
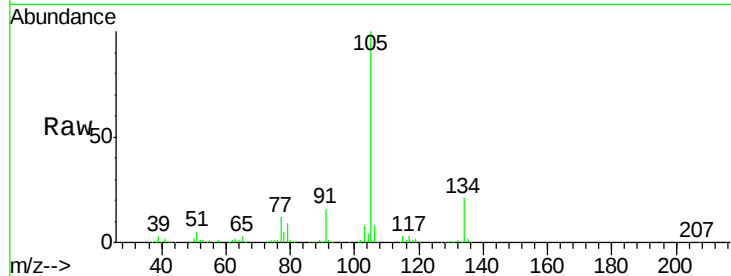
134 20.2 10.1 30.3

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#86

p-Isopropyltoluene

Concen: 21.764 ug/l

RT: 11.45 min Scan# 3223

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

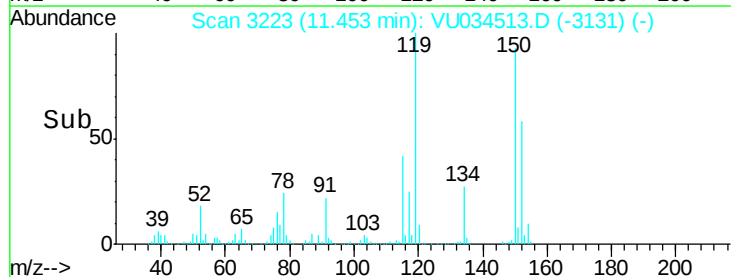
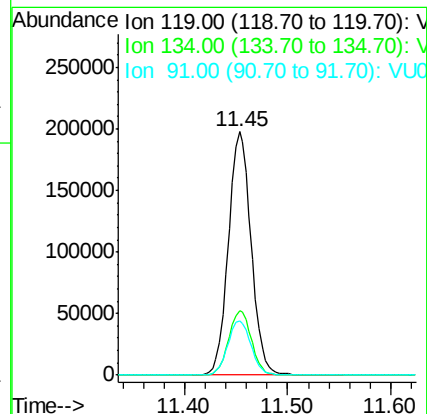
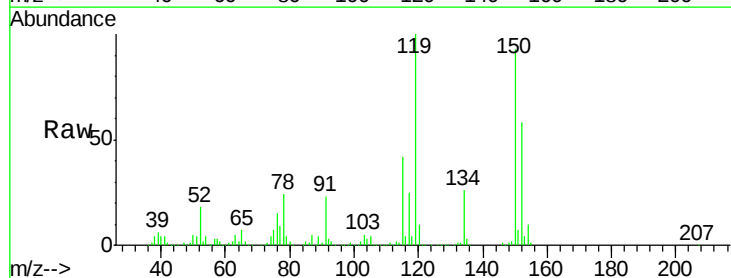
Tgt Ion:119 Resp: 301916

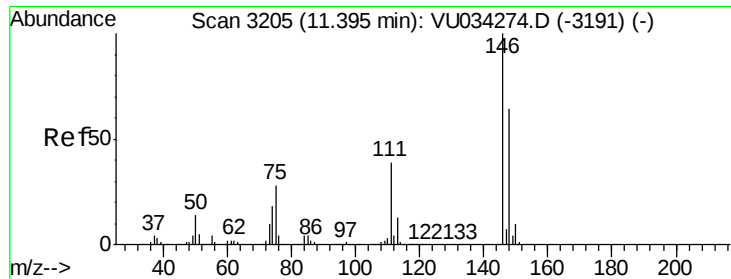
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.8

91 22.9 11.2 33.6





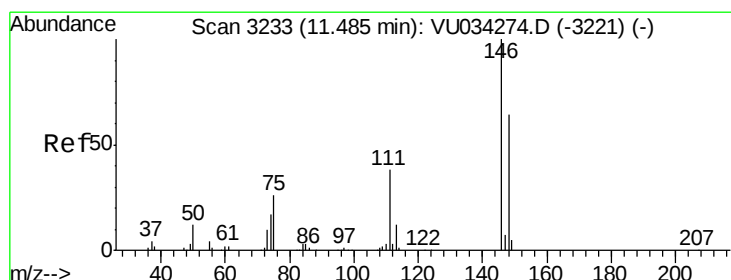
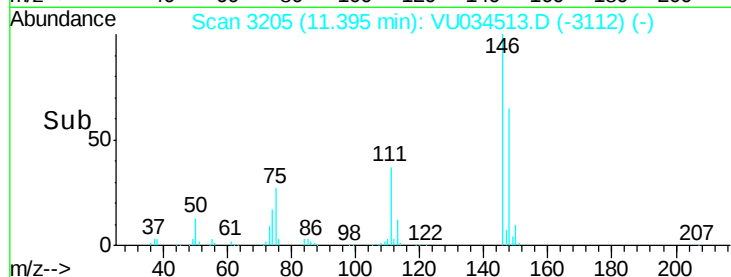
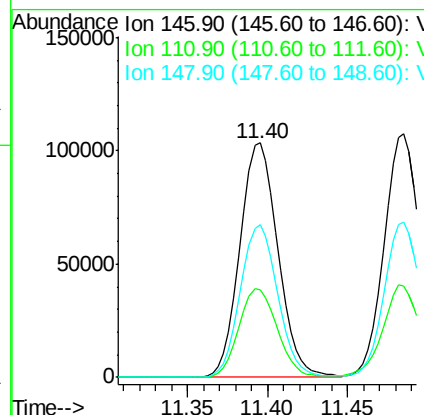
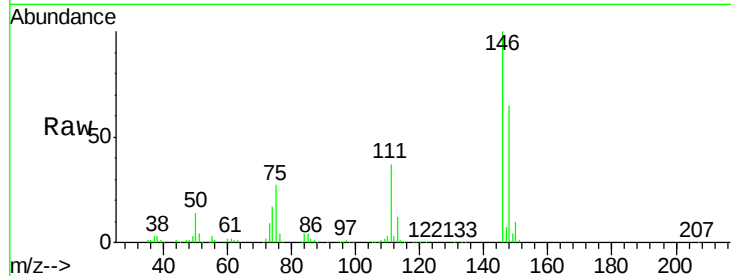
#87
 1,3-Dichlorobenzene
 Concen: 21.674 ug/l
 RT: 11.40 min Scan# 3205
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	168269		
111	38.0		19.5	58.5
148	64.1		32.1	96.3

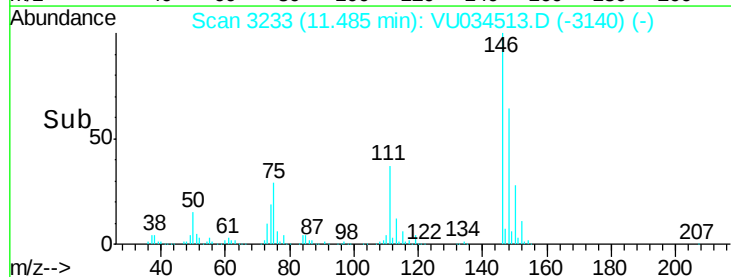
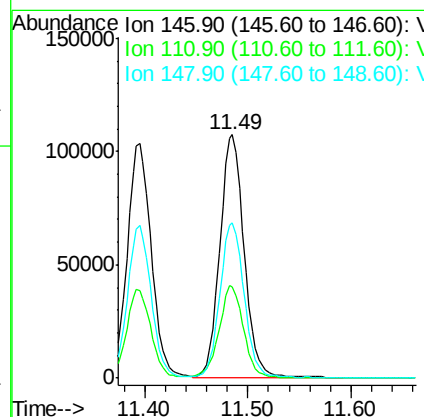
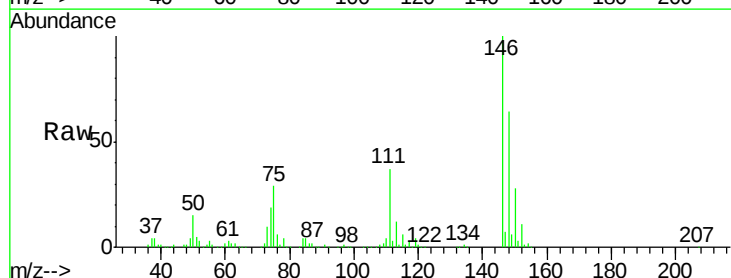
Manual Integrations
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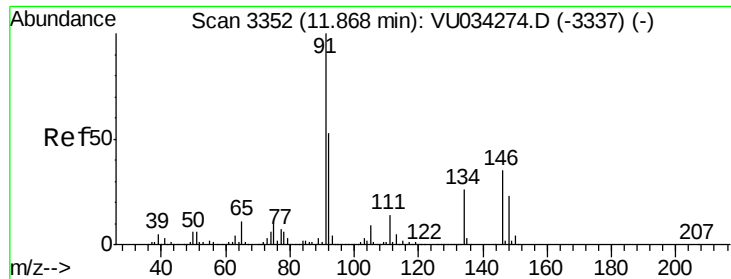
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#88
 1,4-Dichlorobenzene
 Concen: 21.527 ug/l
 RT: 11.49 min Scan# 3233
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	174320		
111	38.2		19.1	57.3
148	63.4		32.0	96.0





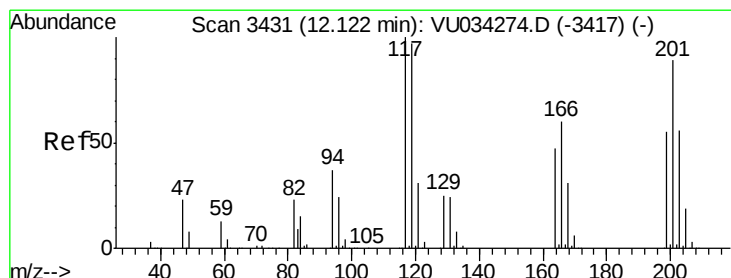
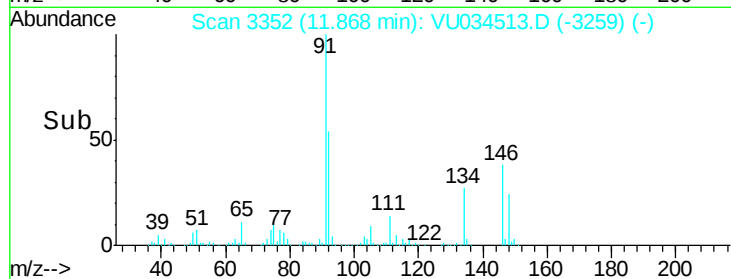
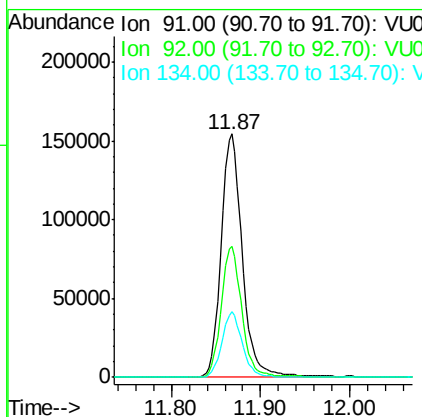
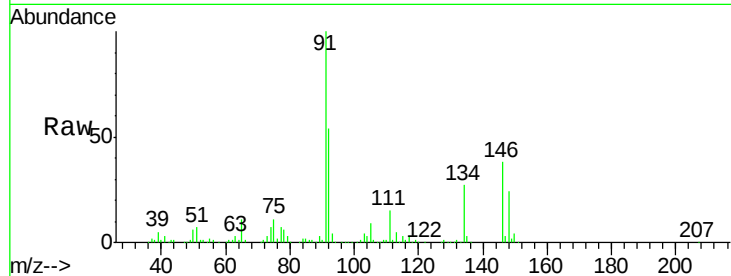
#89
n-Butylbenzene
Concen: 21.045 ug/l
RT: 11.87 min Scan# 3352
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Instrument :
MSVOA_U
ClientSampleId :
VU0912WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.4
134	26.2	13.2	39.6

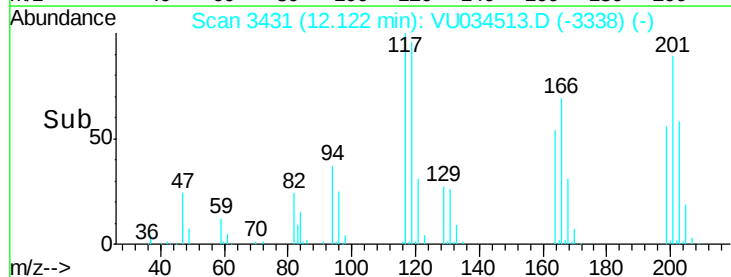
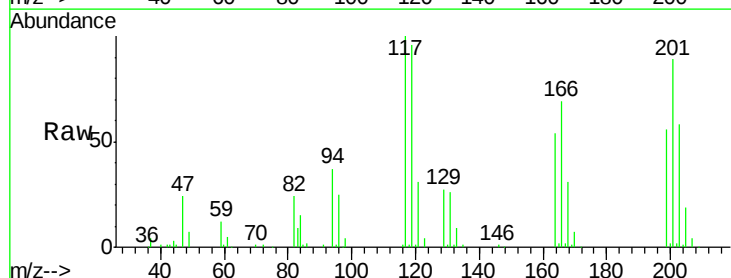
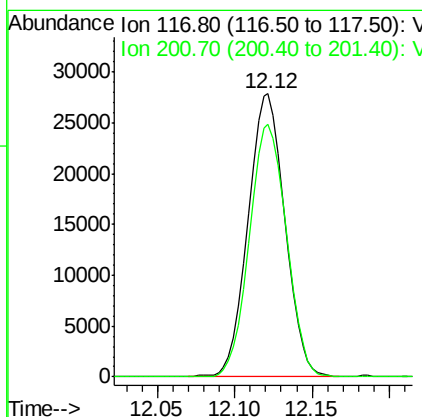
Manual Integrations
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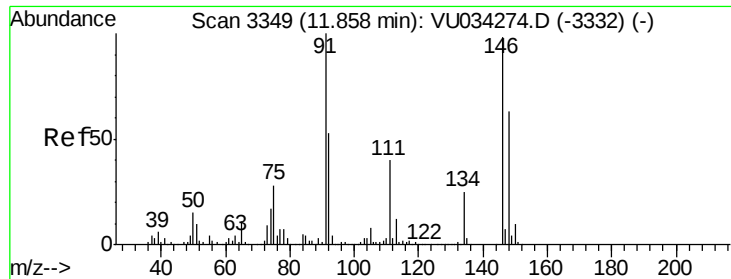
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#90
Hexachloroethane
Concen: 20.873 ug/l
RT: 12.12 min Scan# 3431
Delta R.T. -0.00 min
Lab File: VU034513.D
Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.7	44.1	132.4





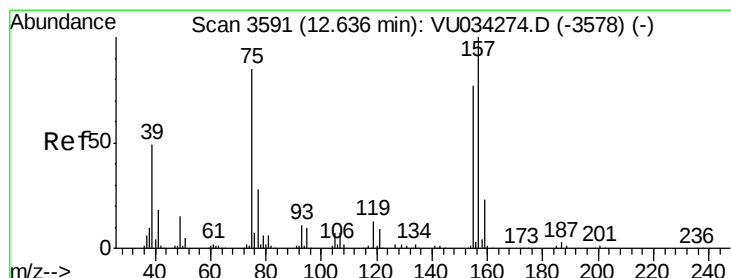
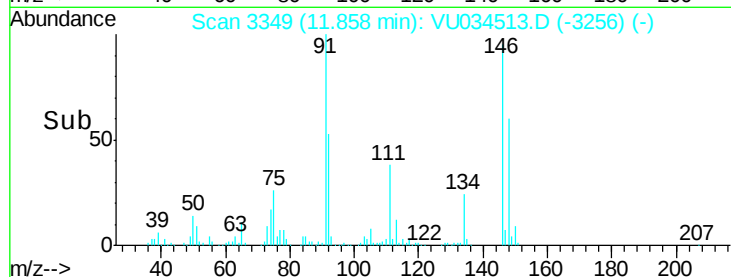
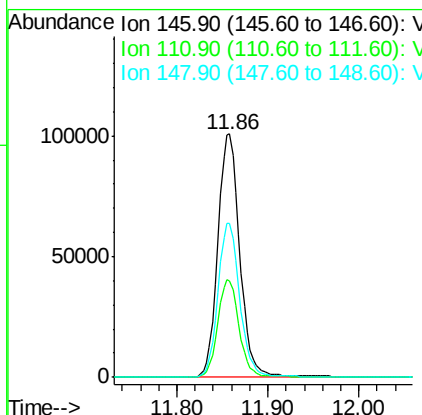
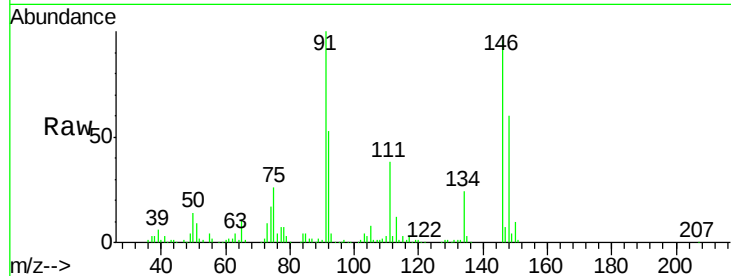
#91
 1,2-Dichlorobenzene
 Concen: 22.239 ug/l
 RT: 11.86 min Scan# 3349
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	169690		
111	39.2	20.0	60.0	
148	63.0	31.6	94.8	

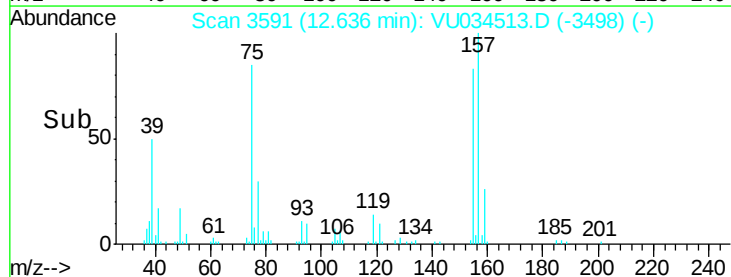
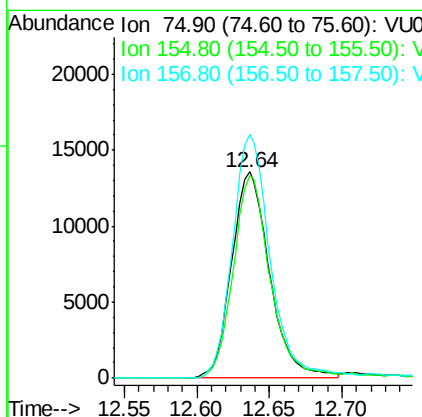
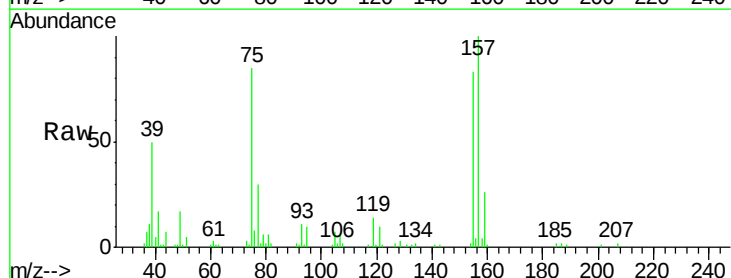
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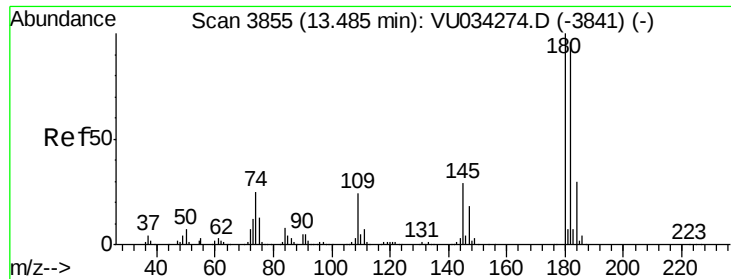
MMDadoda
 9/16/2019 11:16:31 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.909 ug/l
 RT: 12.64 min Scan# 3591
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	24796		
155	95.2	44.6	134.0	
157	117.3	58.2	174.6	





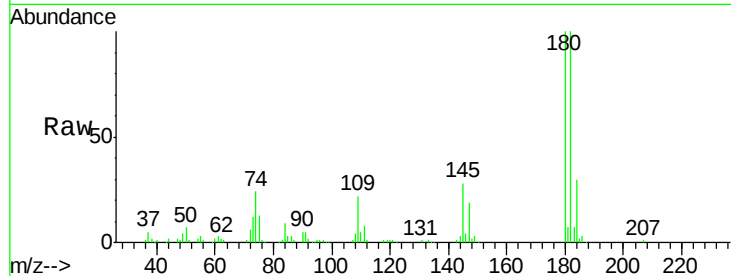
#93
 1,2,4-Trichlorobenzene
 Concen: 19.987 ug/l
 RT: 13.48 min Scan# 3855
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0912WBS02

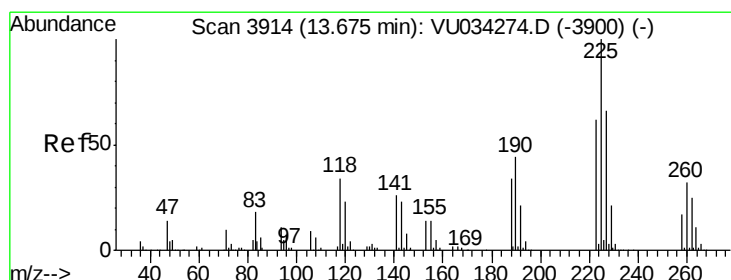
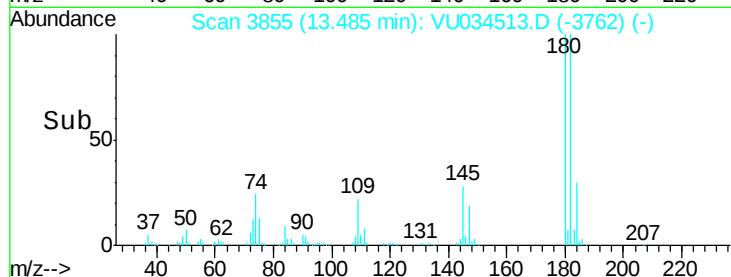
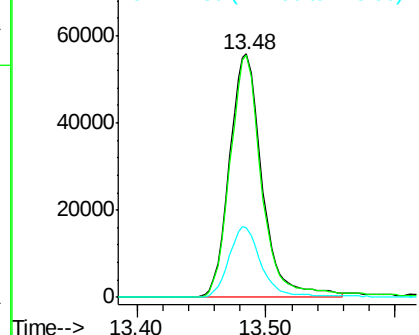
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.9	143.8
145	28.8	14.4	43.0

Manual Integrations
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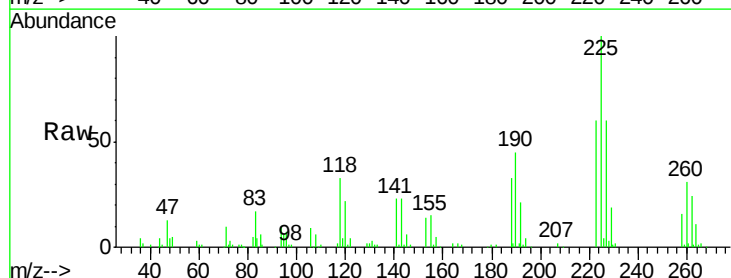


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

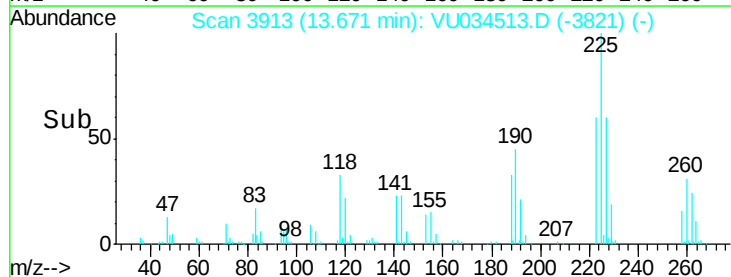
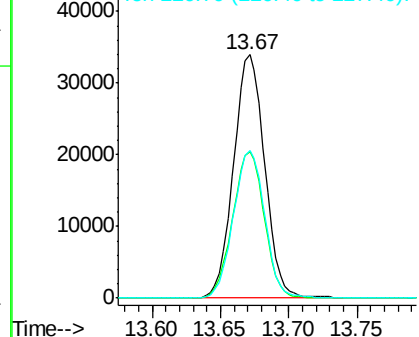


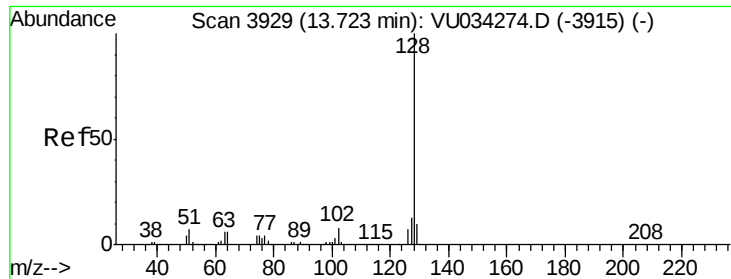
#94
 Hexachlorobutadiene
 Concen: 20.195 ug/l
 RT: 13.67 min Scan# 3913
 Delta R.T. -0.00 min
 Lab File: VU034513.D
 Acq: 12 Sep 2019 12:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.9	31.6	94.7
227	61.0	32.3	96.8



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 18.717 ug/l

RT: 13.72 min Scan# 3929

Delta R.T. -0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Instrument :

MSVOA_U

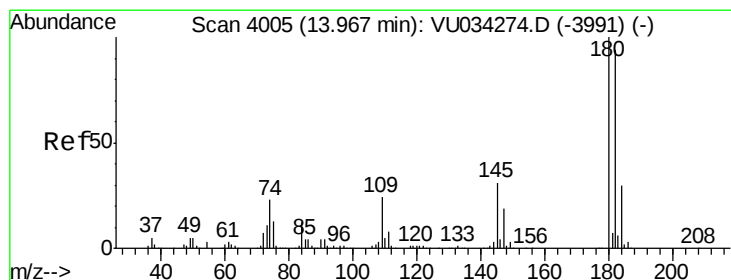
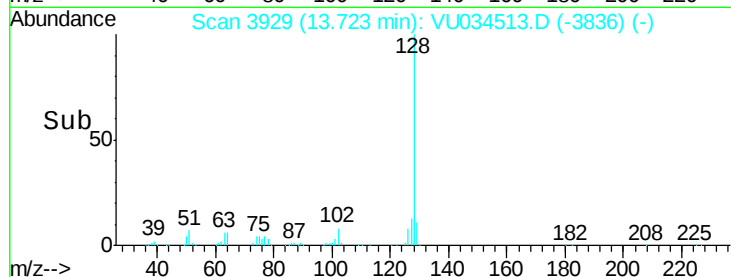
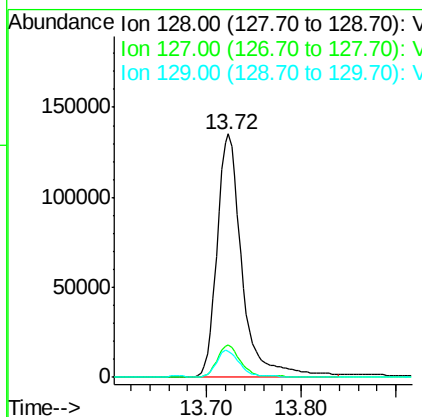
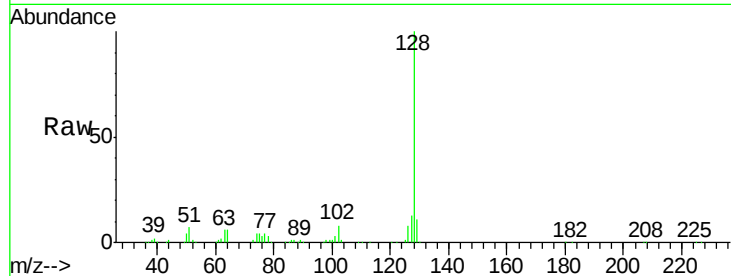
ClientSampleId :

VU0912WBS02

Tot Ion:	128	Resp:	249671
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.6	15.8
129	10.1	8.4	12.6

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#96

1,2,3-Trichlorobenzene

Concen: 20.498 ug/l

RT: 13.97 min Scan# 4005

Delta R.T. 0.00 min

Lab File: VU034513.D

Acq: 12 Sep 2019 12:19

Tgt Ion:	180	Resp:	100777
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.4	145.0
145	29.9	15.4	46.4

