

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU011121\
 Data File : VU041916.D
 Acq On : 11 Jan 2021 12:55
 Operator : SY/MD
 Sample : VSTD01005
 Misc : 25.0mL/MSVOA U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Quant Time: Jan 12 01:16:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR011121WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jan 12 01:13:33 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	124011	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	120331	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.81	152	63261	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	108477	10.37	ug/L	0.00
7) Chloroethane-d5	1.92	69	99526	10.28	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	207296	10.46	ug/L	0.00
20) 2-Butanone-d5	4.65	46	318834	109.76	ug/L	0.00
24) Chloroform-d	5.08	84	196572	10.32	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	102126	10.17	ug/L	0.00
32) Benzene-d6	5.74	84	369312	10.38	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	115579	10.35	ug/L	0.00
41) Toluene-d8	7.90	98	343575	10.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	50152	10.76	ug/L	0.00
46) 2-Hexanone-d5	8.64	63	270468	114.68	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.75	84	102122	10.33	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	12.19	152	122251	10.22	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	124452	10.375 ug/L	100
3) Chloromethane	1.52	50	130788	10.021 ug/L	95
5) Vinyl chloride	1.61	62	149181	10.531 ug/L	100
6) Bromomethane	1.86	94	90708	10.588 ug/L	99
8) Chloroethane	1.94	64	86225	9.965 ug/L	99
9) Trichlorofluoromethane	2.14	101	189749	10.381 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	101711	10.226 ug/L	99
12) 1,1-Dichloroethene	2.59	96	98620	10.186 ug/L	99
13) Acetone	2.66	43	198505	108.616 ug/L	# 41
14) Carbon disulfide	2.80	76	321550	10.644 ug/L	99
15) Methyl Acetate	2.96	43	46340	10.811 ug/L	99
16) Methylene chloride	3.06	84	111649	9.175 ug/L	96
17) Methyl tert-butyl Ether	3.38	73	241381	10.396 ug/L	97
18) trans-1,2-Dichloroethene	3.37	96	95604	10.171 ug/L	99
19) 1,1-Dichloroethane	3.89	63	182127	10.324 ug/L	99
21) 2-Butanone	4.73	43	322724	110.243 ug/L	97
22) cis-1,2-Dichloroethene	4.68	96	107620	10.721 ug/L	93
23) Bromochloromethane	4.99	128	48453	10.344 ug/L	86
25) Chloroform	5.10	83	184086	10.011 ug/L	99
27) 1,2-Dichloroethane	5.81	62	121001	10.267 ug/L	100
29) 1,1,1-Trichloroethane	5.33	97	160993	10.252 ug/L	99
30) Cyclohexane	5.40	56	160290	10.895 ug/L	98
31) Carbon tetrachloride	5.54	117	139577	10.284 ug/L	98
33) Benzene	5.79	78	404972	10.441 ug/L	100
34) Trichloroethene	6.55	95	103301	10.147 ug/L	99
35) Methylcyclohexane	6.77	83	165286	11.046 ug/L	98
37) 1,2-Dichloropropane	6.80	63	104391	10.794 ug/L	99
38) Bromodichloromethane	7.11	83	134963	10.428 ug/L	95
39) cis-1,3-Dichloropropene	7.61	75	155797	10.910 ug/L	100
40) 4-Methyl-2-pentanone	7.80	43	670375	109.182 ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

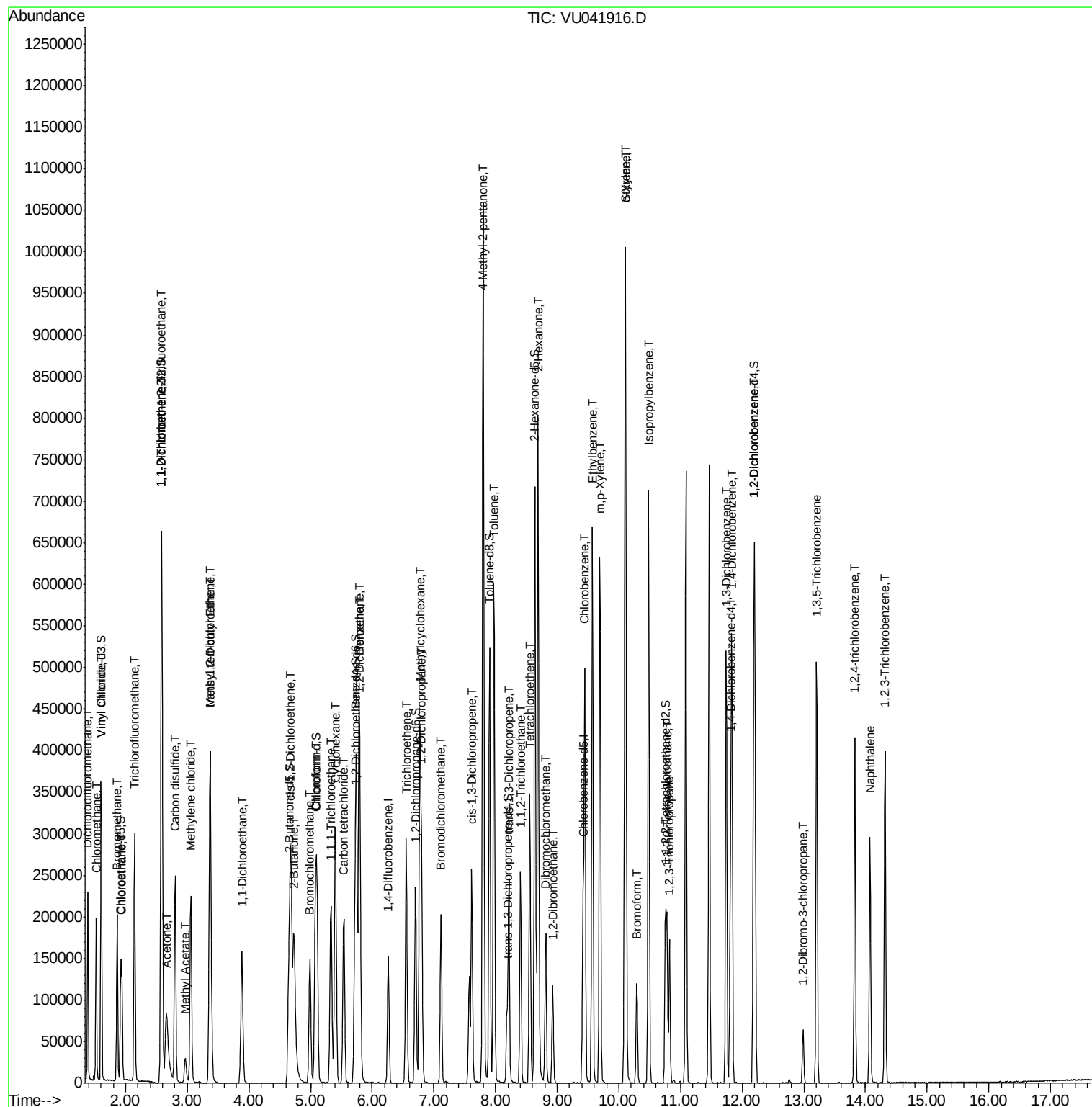
42) Toluene	7.97	91	432073	10.783	ug/L	98
44) trans-1,3-Dichloropropene	8.21	75	139146	11.015	ug/L	97
45) 1,1,2-Trichloroethane	8.40	97	77524	10.455	ug/L	100
47) Tetrachloroethene	8.56	164	77334	10.917	ug/L	93
48) 2-Hexanone	8.69	43	494464	109.248	ug/L	100
49) Dibromochloromethane	8.81	129	95032	10.531	ug/L	99
50) 1,2-Dibromoethane	8.93	107	75244	10.764	ug/L	98
51) Chlorobenzene	9.45	112	264303	10.478	ug/L	98
52) Ethylbenzene	9.57	91	472489	11.195	ug/L	99
53) m,p-Xylene	9.69	106	178427	11.419	ug/L	98
54) o-Xylene	10.10	106	169428	11.220	ug/L	93
55) Styrene	10.11	104	301656	11.492	ug/L	99
56) Isopropylbenzene	10.48	105	457644	11.287	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.78	83	99196	10.237	ug/L	97
59) 1,2,3-Trichloropropane	10.82	75	73880	10.459	ug/L	97
61) Bromoform	10.29	173	56412	10.526	ug/L	98
62) 1,3-Dichlorobenzene	11.74	146	208138	10.369	ug/L	98
63) 1,4-Dichlorobenzene	11.83	146	210643	10.456	ug/L	98
65) 1,2-Dichlorobenzene	12.21	146	201830	10.446	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.99	75	17873	10.185	ug/L	96
67) 1,3,5-Trichlorobenzene	13.21	180	153808	10.495	ug/L	98
68) 1,2,4-trichlorobenzene	13.83	180	125553	11.367	ug/L	99
69) Naphthalene	14.08	128	235483	12.572	ug/L	99
70) 1,2,3-Trichlorobenzene	14.32	180	118954	11.391	ug/L	99

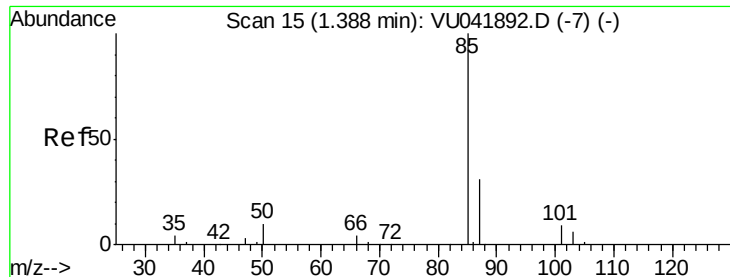
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 10.375 ug/L

RT: 1.39 min Scan# 14

Delta R.T. -0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

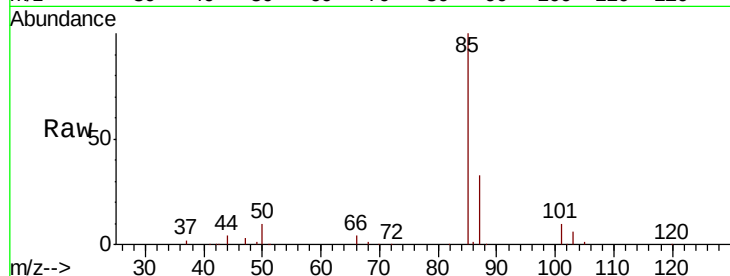
VSTD01005

Tot Ion: 85 Resp: 124452

Ion Ratio Lower Upper

85 100

87 32.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VU041892.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VU041892.D (-7) (-)

1.39

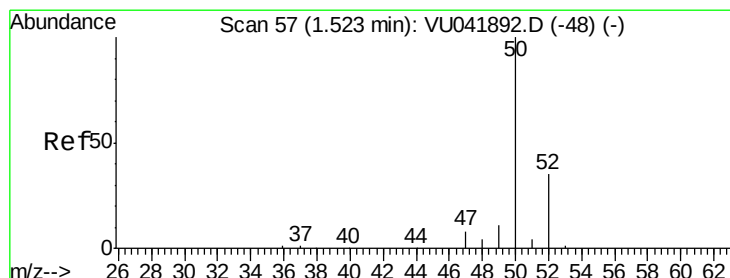
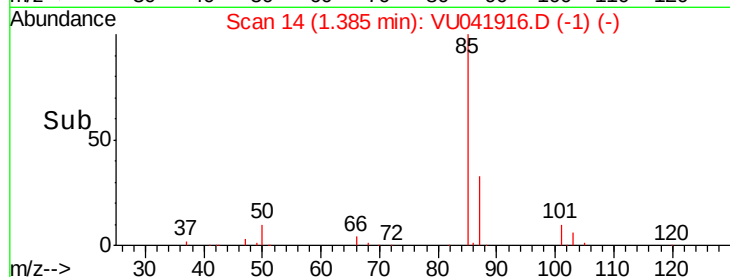
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 10.021 ug/L

RT: 1.52 min Scan# 57

Delta R.T. 0.00 min

Lab File: VU041916.D

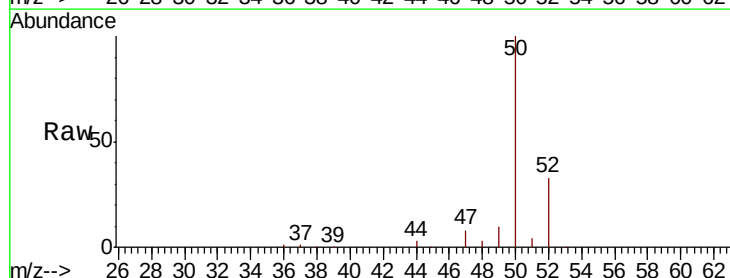
Acq: 11 Jan 2021 12:55

Tgt Ion: 50 Resp: 130788

Ion Ratio Lower Upper

50 100

52 33.1 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VU041892.D (-48) (-)

Ion 52.05 (51.75 to 52.75): VU041892.D (-48) (-)

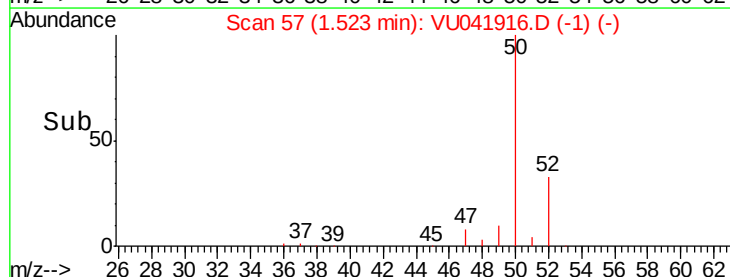
1.52

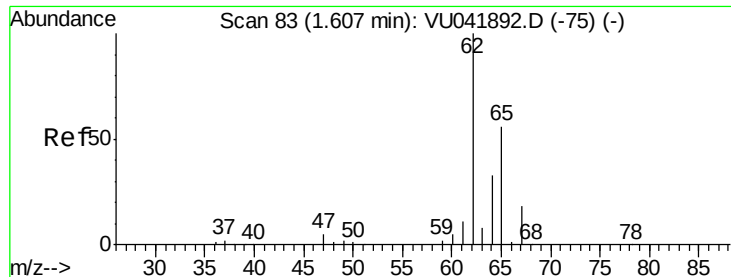
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 10.531 ug/L

RT: 1.61 min Scan# 83

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

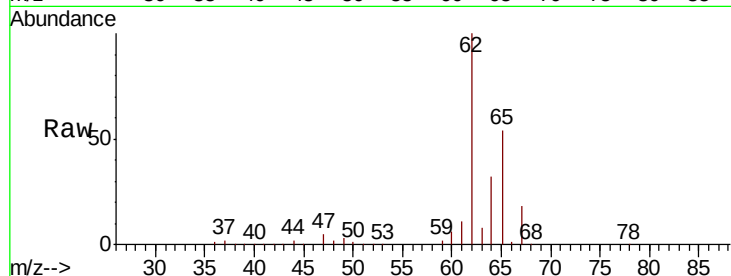
VSTD01005

Tot Ion: 62 Resp: 149181

Ion Ratio Lower Upper

62 100

64 31.5 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.10 (63.80 to 64.80): VU0

1.61

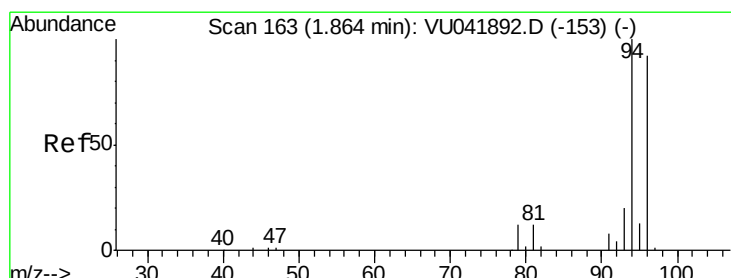
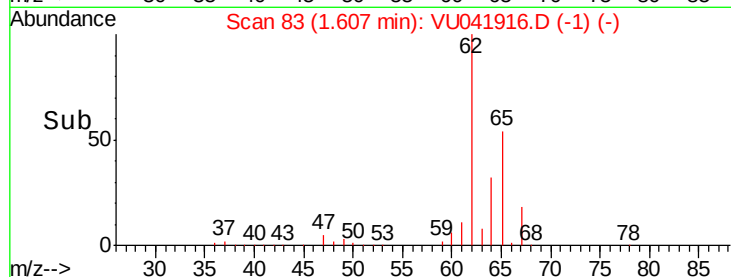
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 10.588 ug/L

RT: 1.86 min Scan# 163

Delta R.T. 0.00 min

Lab File: VU041916.D

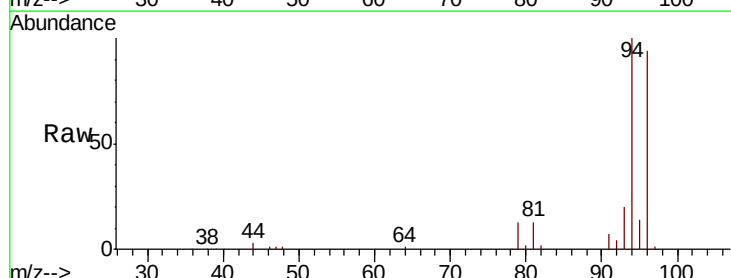
Acq: 11 Jan 2021 12:55

Tgt Ion: 94 Resp: 90708

Ion Ratio Lower Upper

94 100

96 93.7 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

1.86

80000

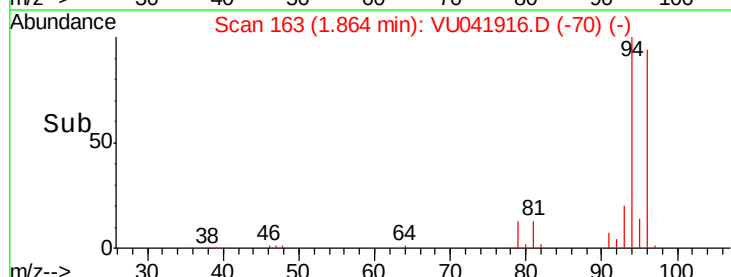
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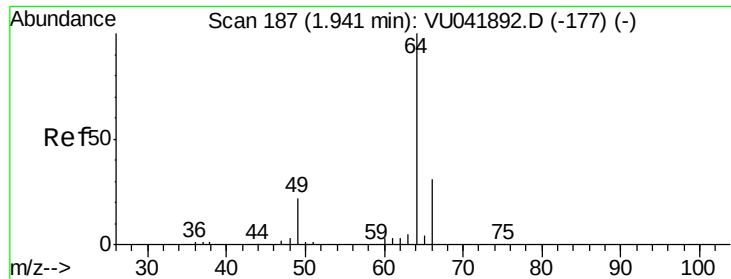
40000

20000

0

Time-->





#8

Chloroethane

Concen: 9.965 ug/L

RT: 1.94 min Scan# 187

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

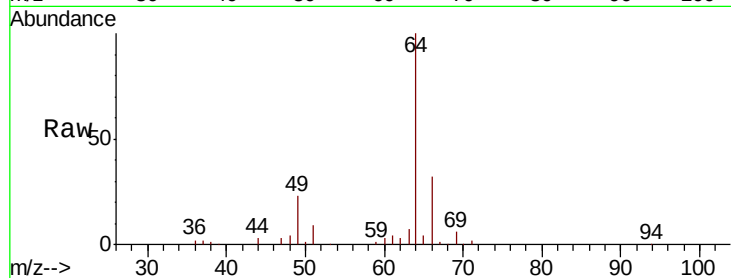
VSTD01005

Tot Ion: 64 Resp: 86225

Ion Ratio Lower Upper

64 100

66 32.2 22.1 41.1



Abundance Ion 64.10 (63.80 to 64.80): VU041892.D (-177) (-)

Ion 66.05 (65.75 to 66.75): VU041892.D (-177) (-)

1.94

60000

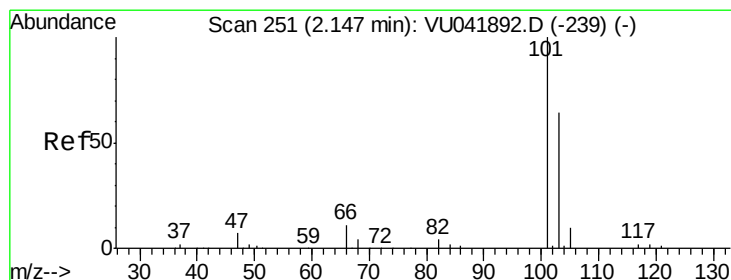
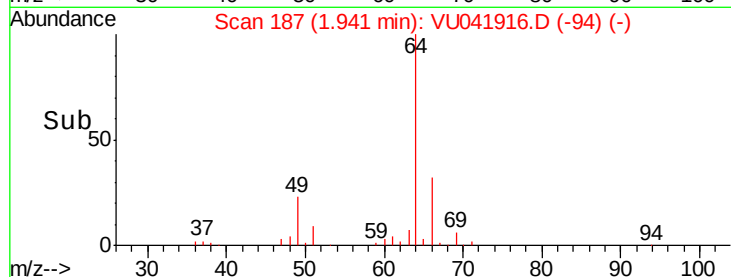
40000

20000

0

1.90 1.95 2.00

Time-->



#9

Trichlorofluoromethane

Concen: 10.381 ug/L

RT: 2.14 min Scan# 250

Delta R.T. 0.00 min

Lab File: VU041916.D

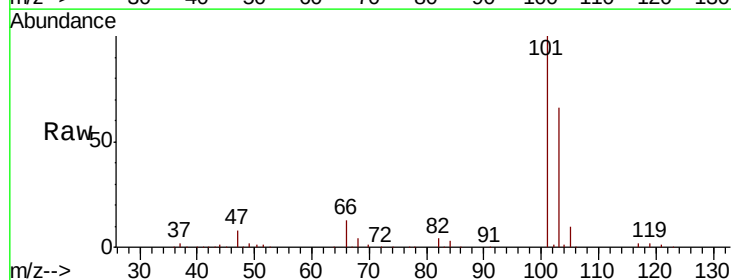
Acq: 11 Jan 2021 12:55

Tgt Ion:101 Resp: 189749

Ion Ratio Lower Upper

101 100

103 65.6 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VU041892.D (-239) (-)

Ion 103.00 (102.70 to 103.70): VU041892.D (-239) (-)

2.14

150000

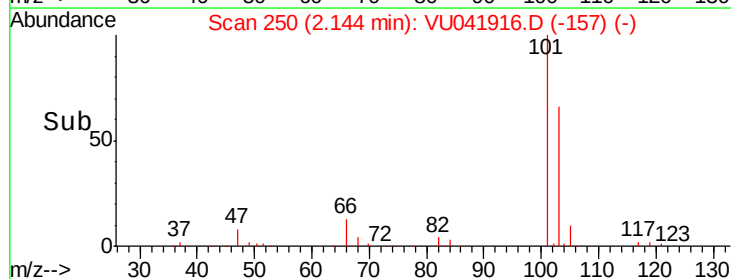
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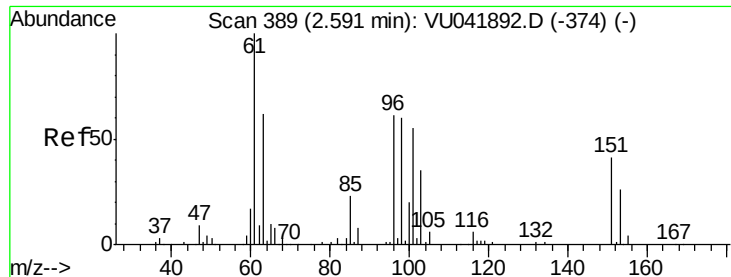
50000

0

2.10 2.15 2.20

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 10.226 ug/L

RT: 2.59 min Scan# 389

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

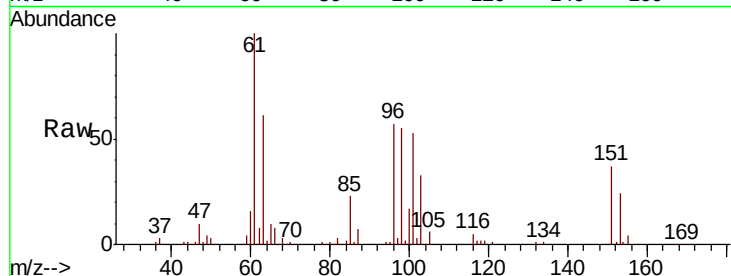
Tot Ion:101 Resp: 101711

Ion Ratio Lower Upper

101 100

85 43.7 35.1 52.7

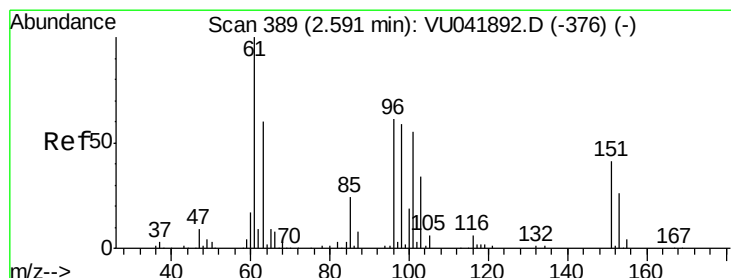
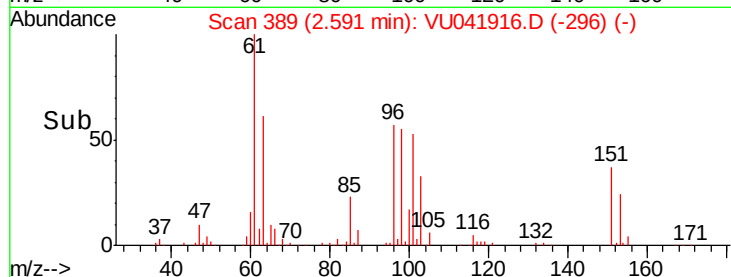
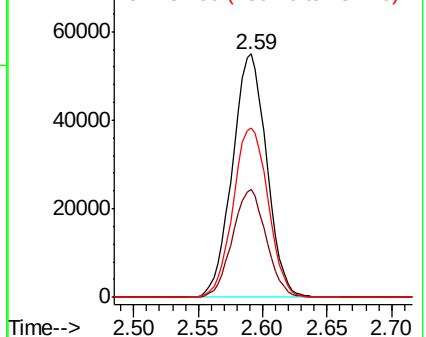
151 71.1 58.2 87.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VU0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 10.186 ug/L

RT: 2.59 min Scan# 388

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

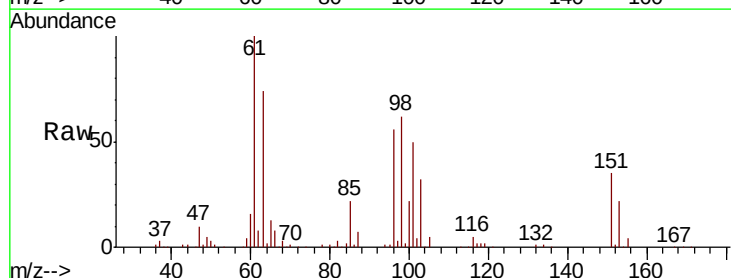
Tgt Ion: 96 Resp: 98620

Ion Ratio Lower Upper

96 100

61 177.9 123.5 229.4

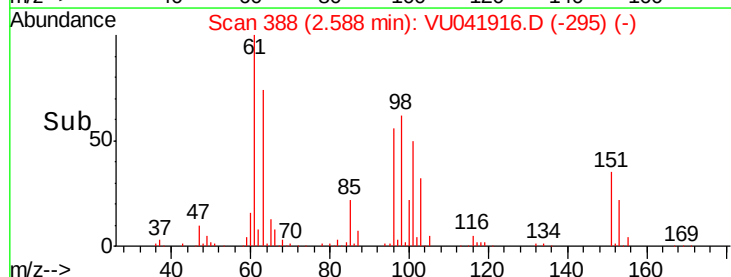
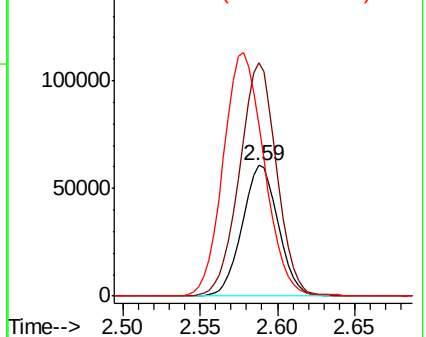
63 131.3 93.5 173.7

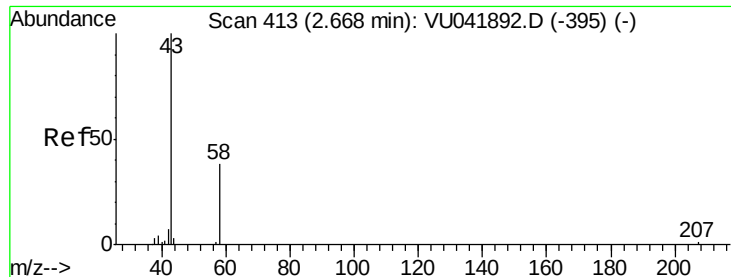


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 108.616 ug/L

RT: 2.66 min Scan# 411

Delta R.T. -0.00 min

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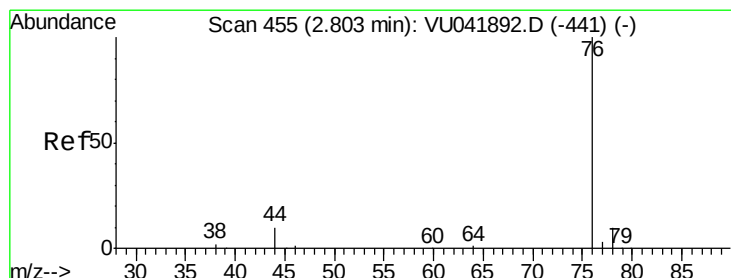
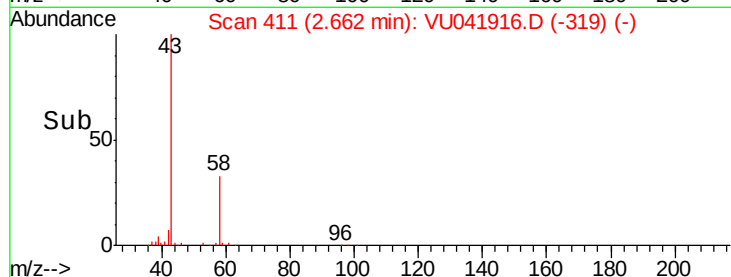
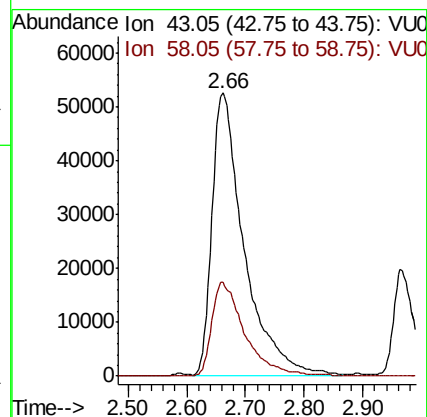
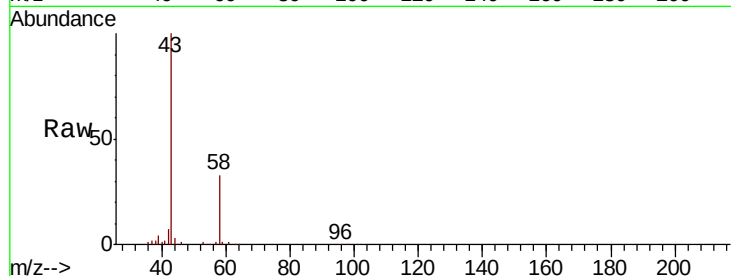
VSTD01005

Tot Ion: 43 Resp: 198505

Ion Ratio Lower Upper

43 100

58 34.4 0.0 23.6#



#14

Carbon disulfide

Concen: 10.644 ug/L

RT: 2.80 min Scan# 455

Delta R.T. 0.00 min

Lab File: VU041916.D

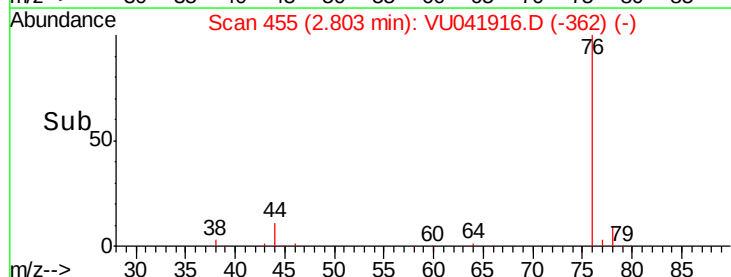
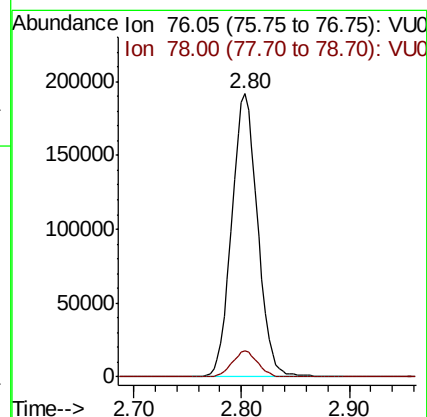
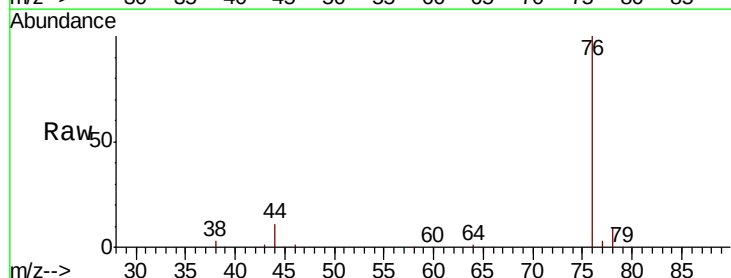
Acq: 11 Jan 2021 12:55

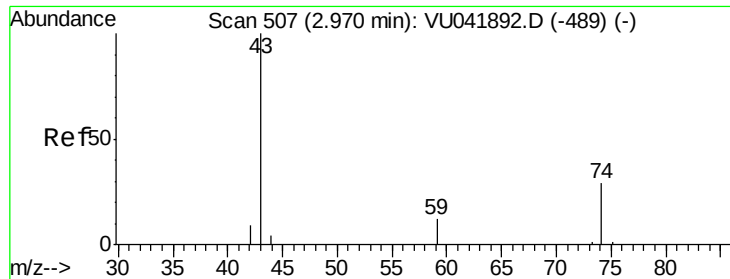
Tgt Ion: 76 Resp: 321550

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8

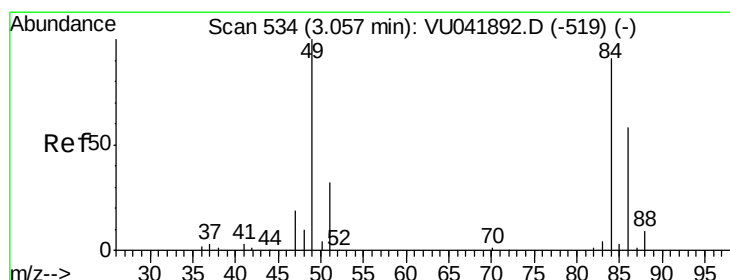
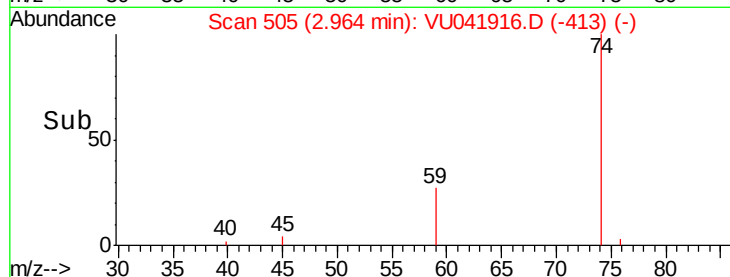
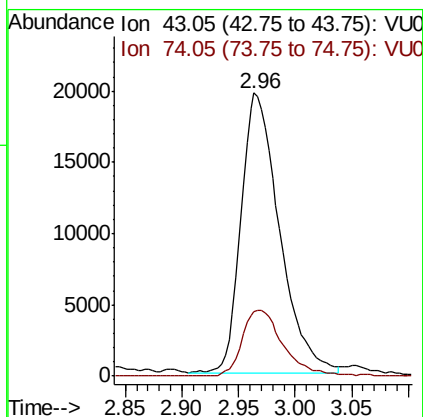
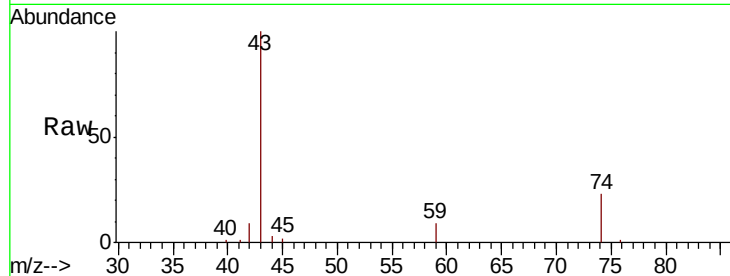




#15
Methvl Acetate
Concen: 10.811 ug/L
RT: 2.96 min Scan# 505
Delta R.T. -0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

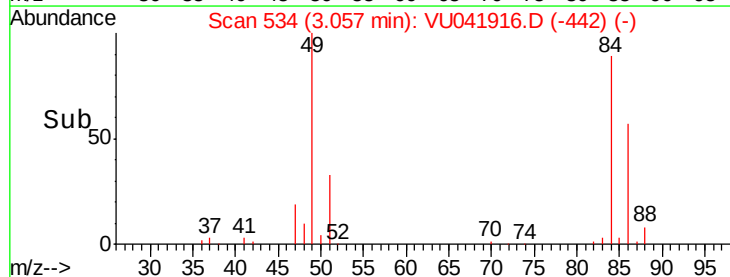
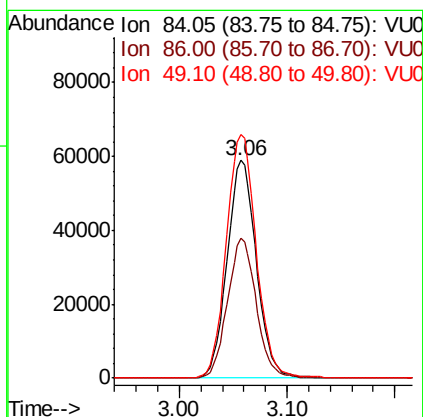
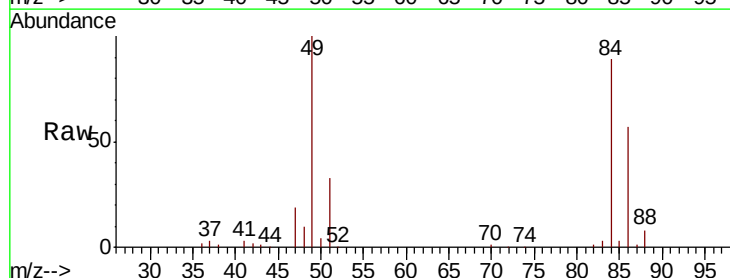
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

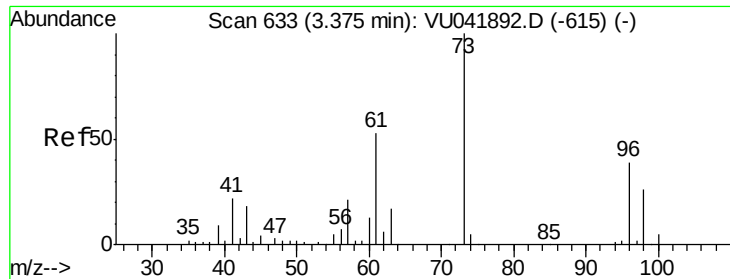
Tot Ion: 43 Resp: 46340
Ion Ratio Lower Upper
43 100
74 25.1 19.8 29.8



#16
Methylene chloride
Concen: 9.175 ug/L
RT: 3.06 min Scan# 534
Delta R.T. -0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

Tgt Ion: 84 Resp: 111649
Ion Ratio Lower Upper
84 100
86 64.1 43.5 80.7
49 111.9 81.8 151.8

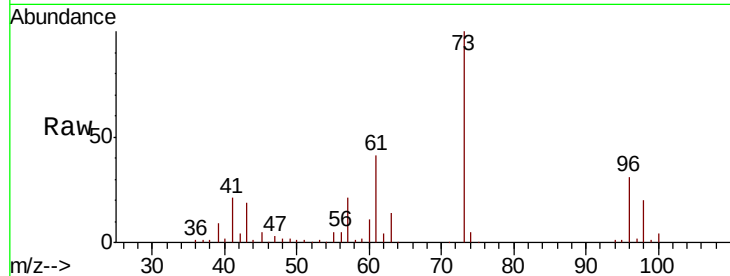




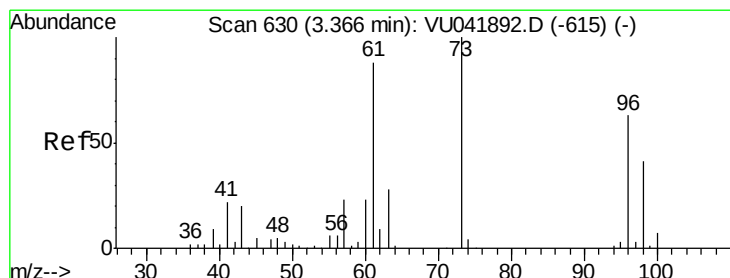
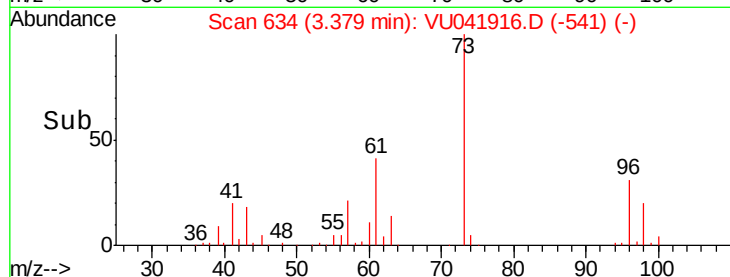
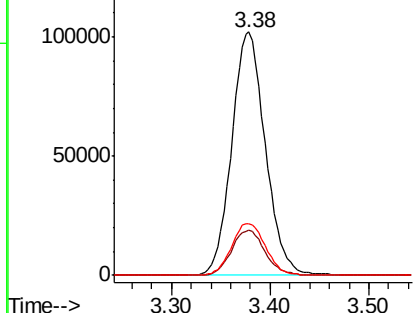
#17
Methvl tert-butyl Ether
Concen: 10.396 ug/L
RT: 3.38 min Scan# 634
Delta R.T. 0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion: 73 Resp: 241381
Ion Ratio Lower Upper
73 100
43 18.7 15.8 23.8
57 21.6 18.3 27.5

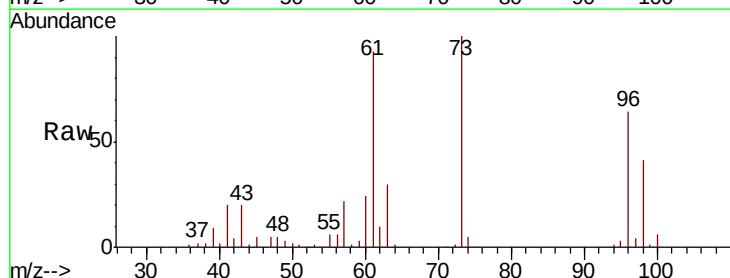


Abundance Ion 73.10 (72.80 to 73.80): VU0
Ion 43.05 (42.75 to 43.75): VU0
Ion 57.10 (56.80 to 57.80): VU0

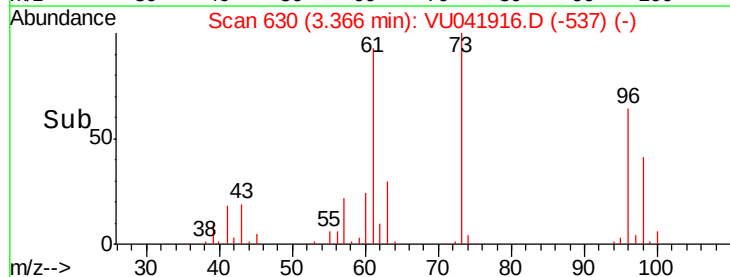
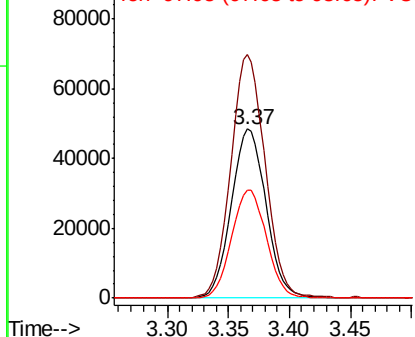


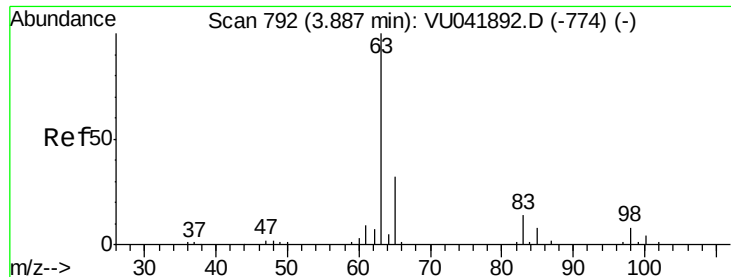
#18
trans-1,2-Dichloroethene
Concen: 10.171 ug/L
RT: 3.37 min Scan# 630
Delta R.T. 0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

Tgt Ion: 96 Resp: 95604
Ion Ratio Lower Upper
96 100
61 144.0 100.7 187.1
98 64.1 43.0 80.0



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.05 (60.75 to 61.75): VU0
Ion 97.95 (97.65 to 98.65): VU0

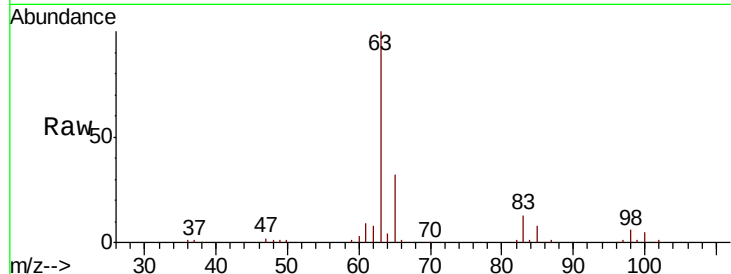




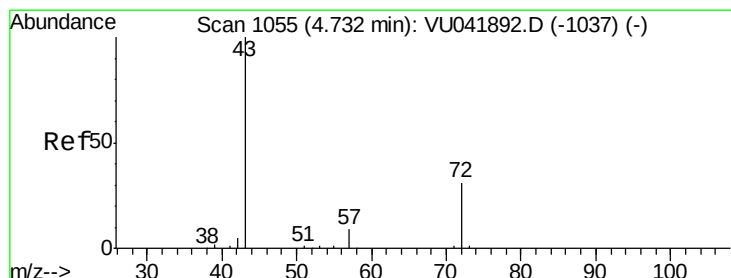
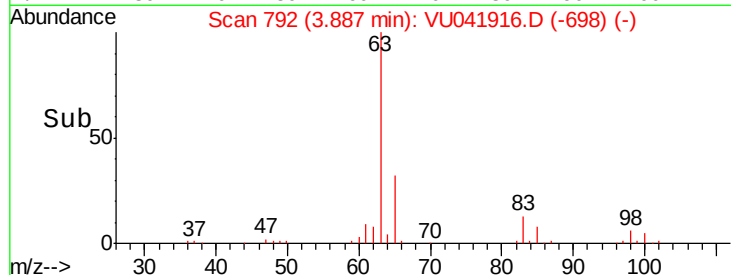
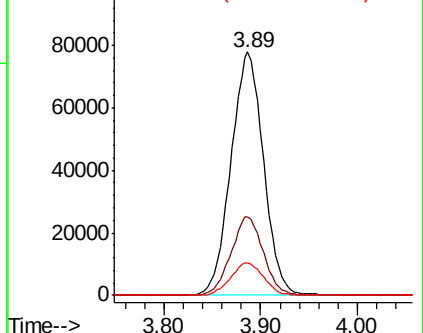
#19
 1,1-Dichloroethane
 Concen: 10.324 ug/L
 RT: 3.89 min Scan# 792
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion: 63 Resp: 182127
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.3 41.5
 83 13.2 9.0 16.8

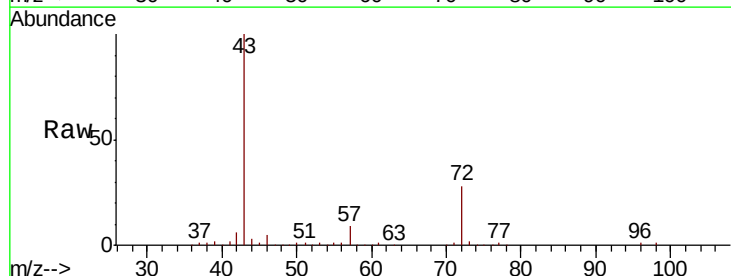


Abundance Ion 63.10 (62.80 to 63.80): VU0
 Ion 65.10 (64.80 to 65.80): VU0
 Ion 83.05 (82.75 to 83.75): VU0

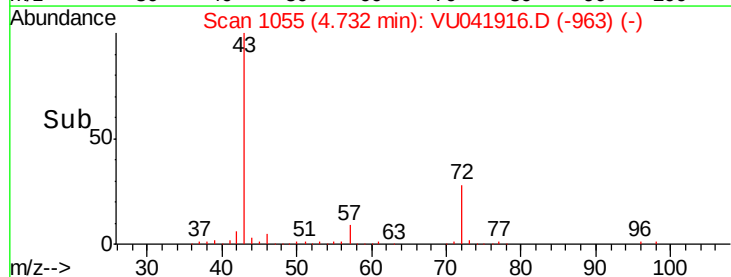
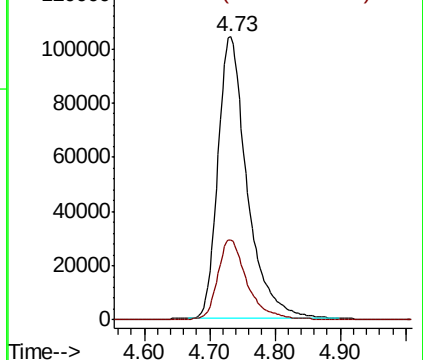


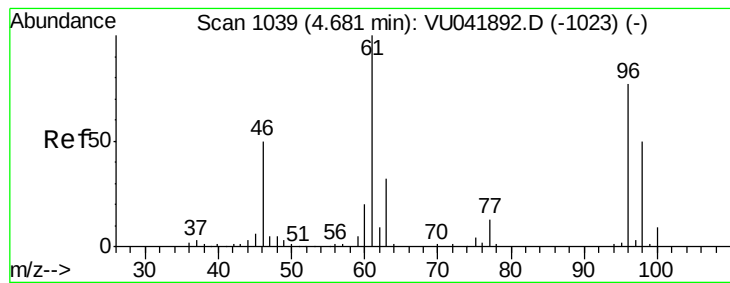
#21
 2-Butanone
 Concen: 110.243 ug/L
 RT: 4.73 min Scan# 1055
 Delta R.T. -0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Tgt Ion: 43 Resp: 322724
 Ion Ratio Lower Upper
 43 100
 72 29.0 13.6 40.8



Abundance Ion 43.05 (42.75 to 43.75): VU0
 Ion 72.10 (71.80 to 72.80): VU0





#22

cis-1,2-Dichloroethene

Concen: 10.721 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

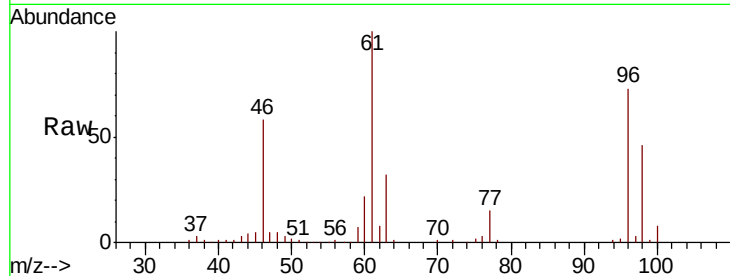
Tot Ion: 96 Resp: 107620

Ion Ratio Lower Upper

96 100

61 137.5 90.3 167.7

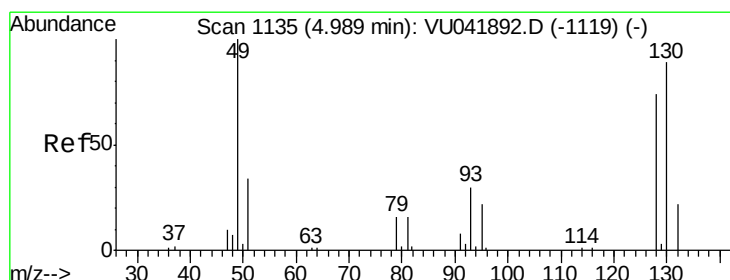
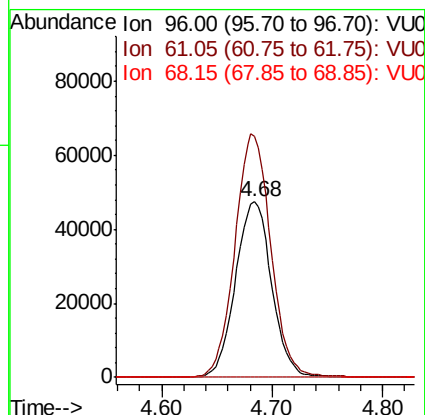
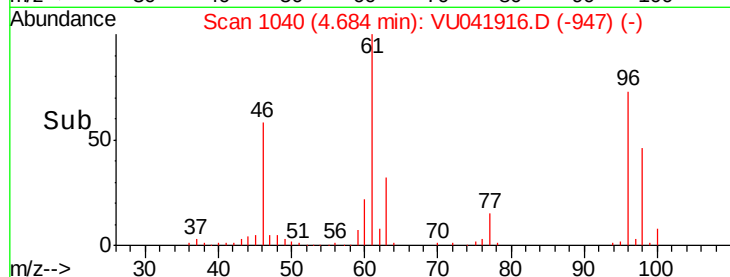
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 68.15 (67.85 to 68.85): VU0



#23

Bromochloromethane

Concen: 10.344 ug/L

RT: 4.99 min Scan# 1135

Delta R.T. -0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Tgt Ion:128 Resp: 48453

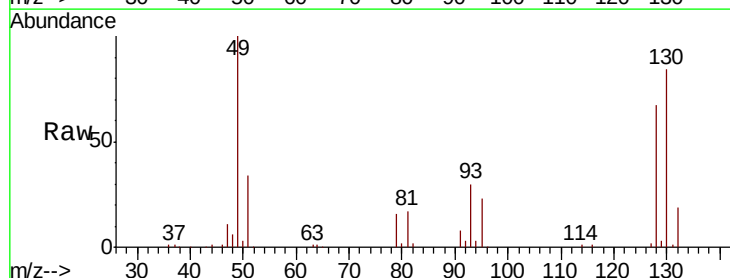
Ion Ratio Lower Upper

128 100

49 148.8 124.0 230.4

130 125.4 94.0 174.6

51 51.2 45.0 67.4

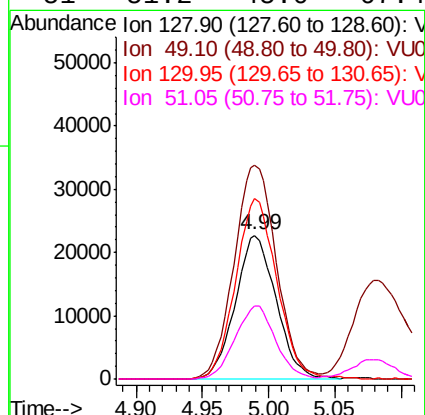
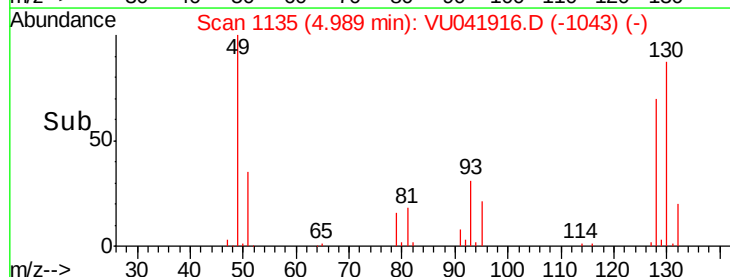


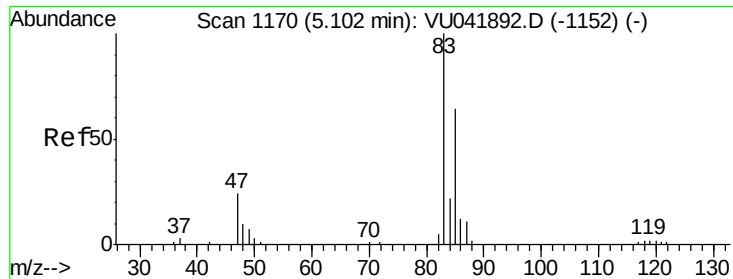
Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VU0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VU0

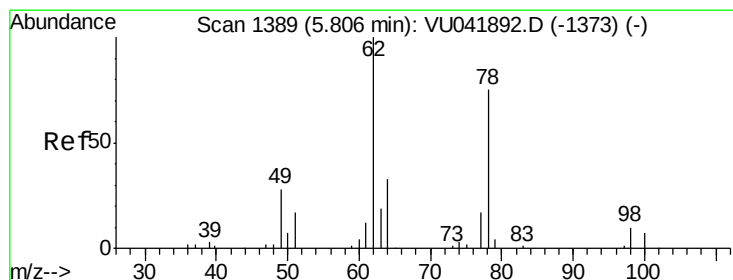
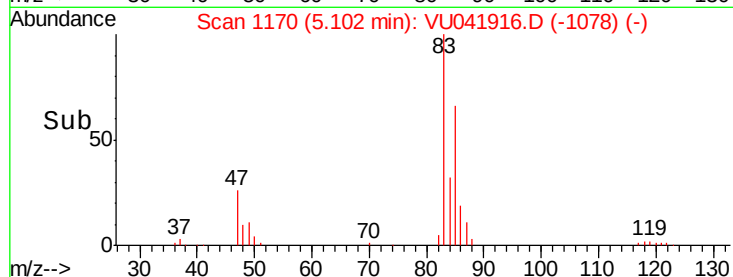
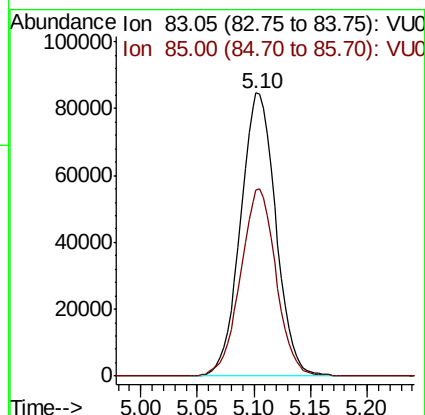
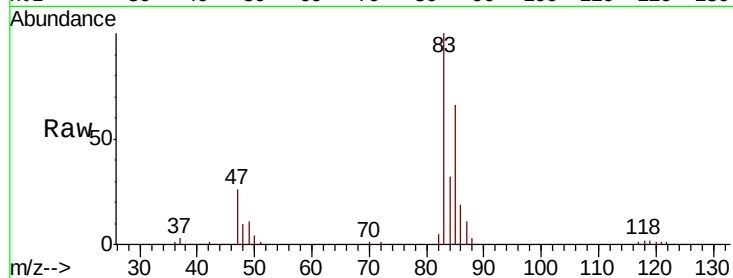




#25
Chloroform
Concen: 10.011 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

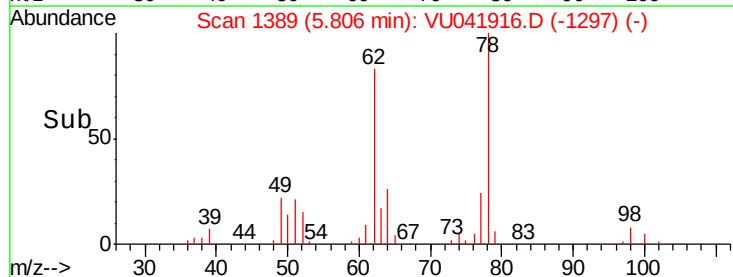
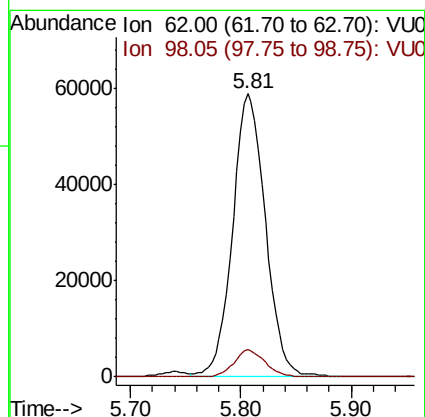
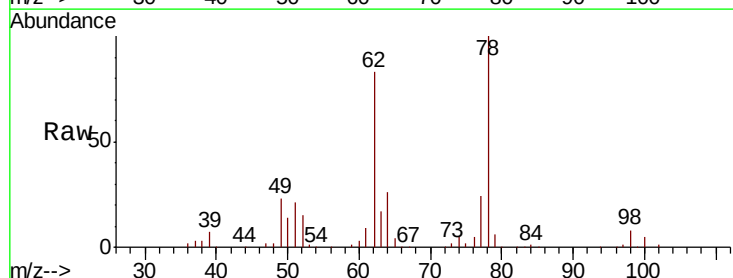
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

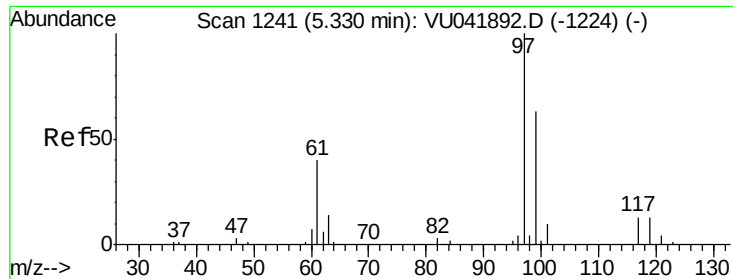
Tot Ion: 83 Resp: 184086
Ion Ratio Lower Upper
83 100
85 65.6 45.1 83.9



#27
1,2-Dichloroethane
Concen: 10.267 ug/L
RT: 5.81 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

Tgt Ion: 62 Resp: 121001
Ion Ratio Lower Upper
62 100
98 9.7 7.8 11.8



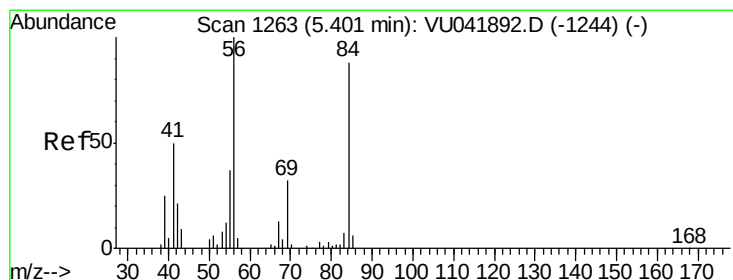
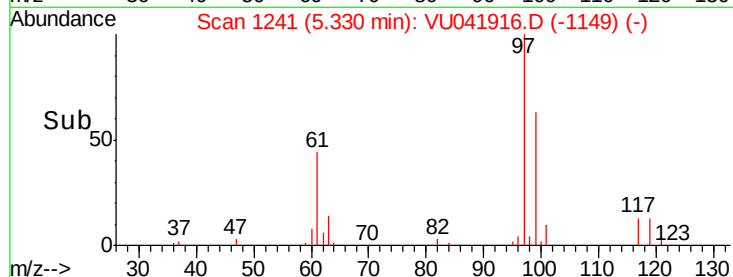
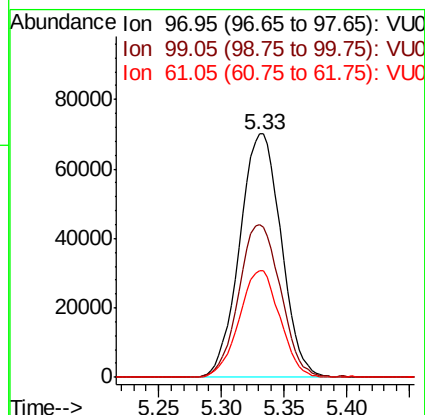
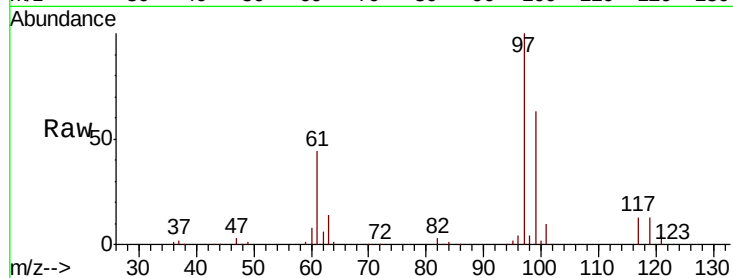


#29
 1,1,1-Trichloroethane
 Concen: 10.252 ug/L
 RT: 5.33 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion: 97 Resp: 160993

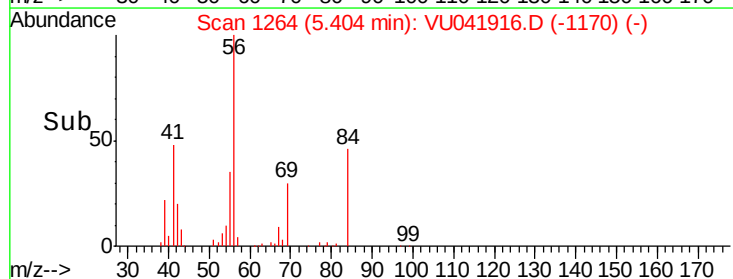
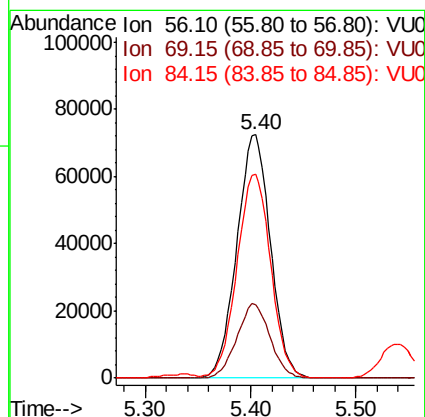
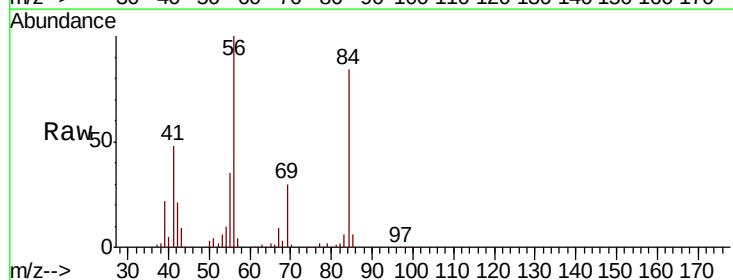
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.4	77.2
61	43.1	35.3	52.9

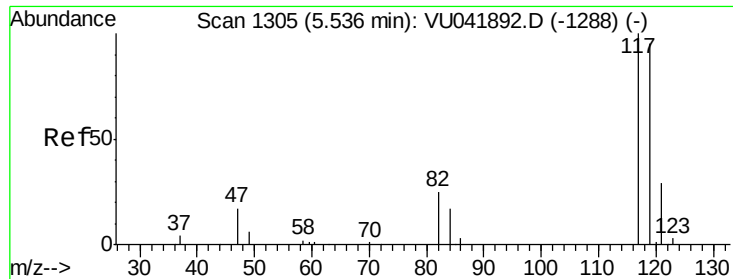


#30
 Cyclohexane
 Concen: 10.895 ug/L
 RT: 5.40 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Tgt Ion: 56 Resp: 160290

Ion	Ratio	Lower	Upper
56	100		
69	30.1	24.4	36.6
84	84.4	69.8	104.6

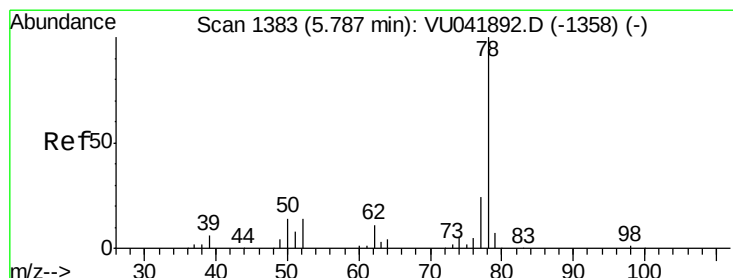
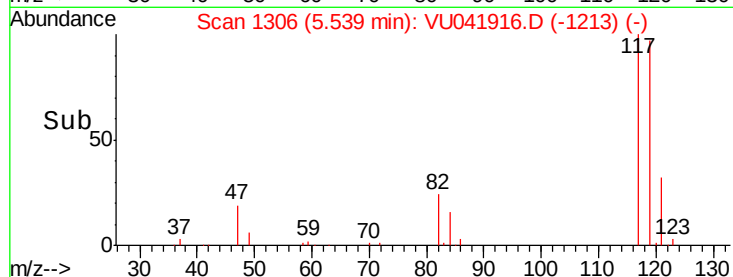
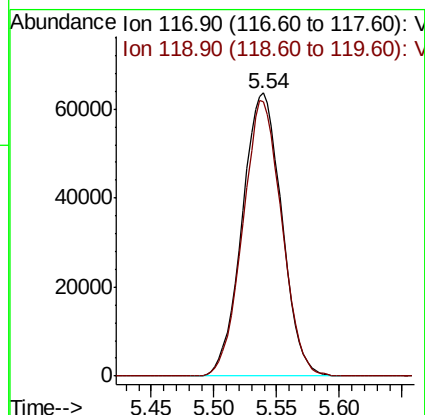
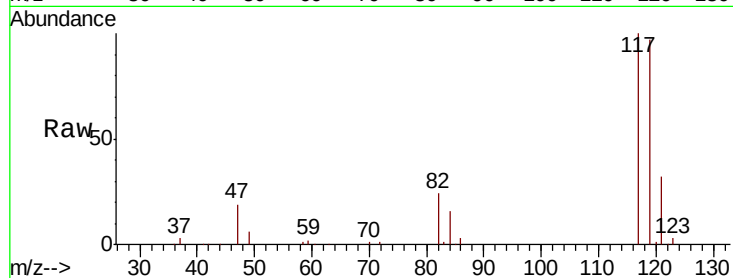




#31
Carbon tetrachloride
Concen: 10.284 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. 0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

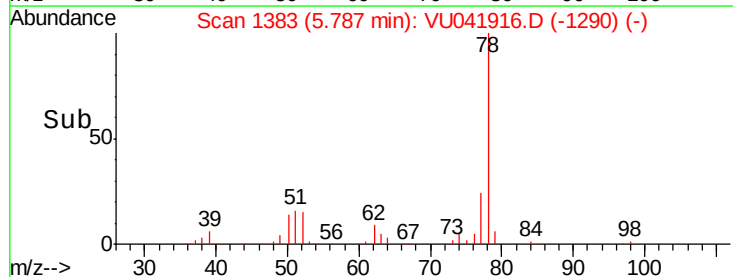
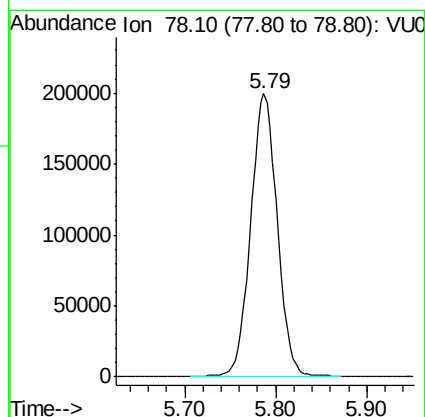
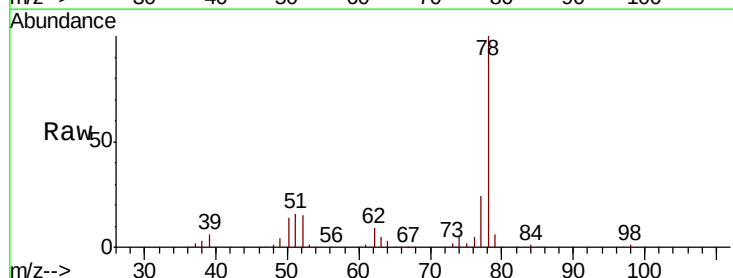
Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

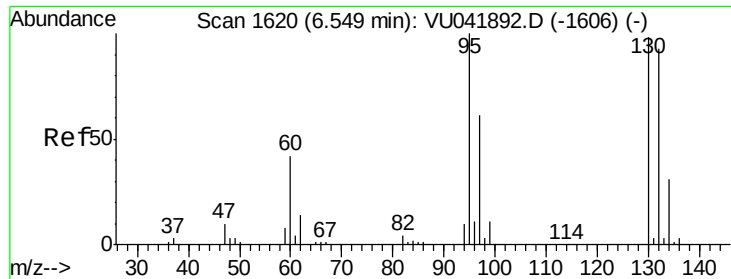
Tot Ion:117 Resp: 139577
Ion Ratio Lower Upper
117 100
119 95.9 75.0 112.4



#33
Benzene
Concen: 10.441 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

Tgt Ion: 78 Resp: 404972





#34

Trichloroethene

Concen: 10.147 ug/L

RT: 6.55 min Scan# 1621

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

Tot Ion: 95 Resp: 103301

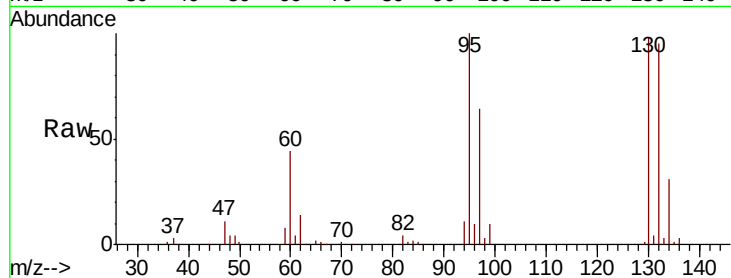
Ion Ratio Lower Upper

95 100

97 64.3 45.2 84.0

132 95.4 68.7 127.5

130 97.8 68.0 126.4

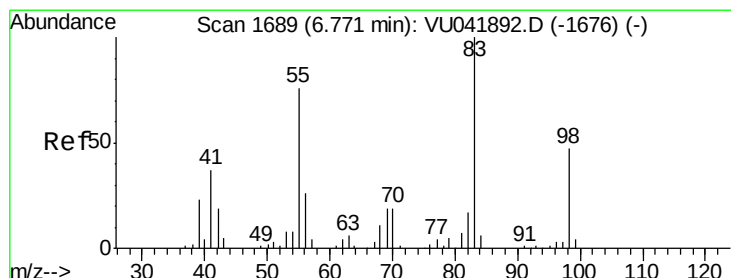
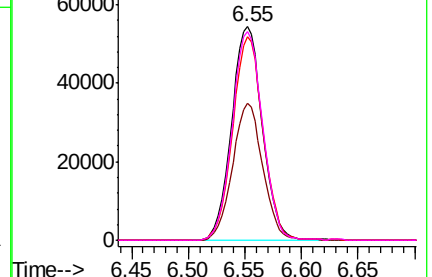
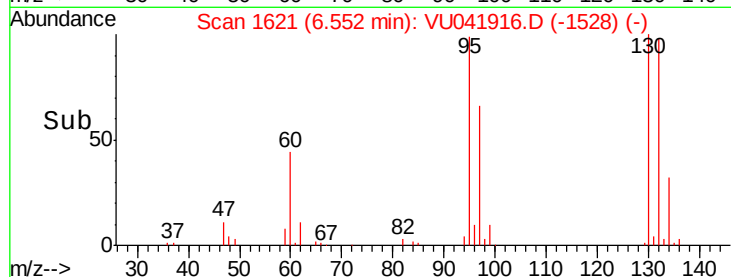


Abundance Ion 95.00 (94.70 to 95.70): VU0

Ion 96.95 (96.65 to 97.65): VU0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 11.046 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

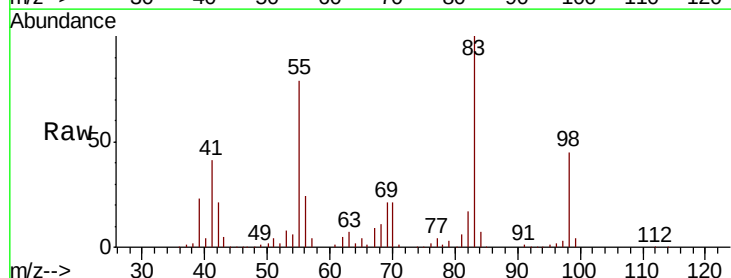
Tgt Ion: 83 Resp: 165286

Ion Ratio Lower Upper

83 100

55 77.4 64.3 96.5

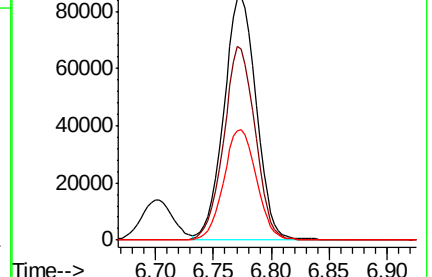
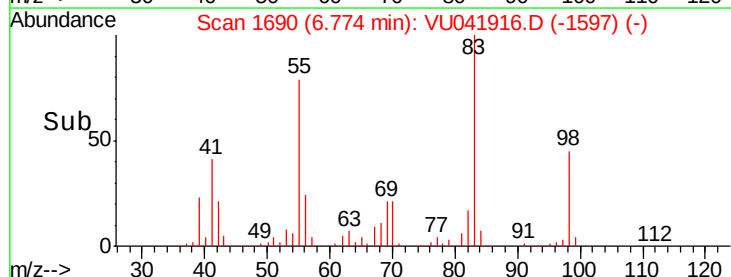
98 46.0 36.6 54.8

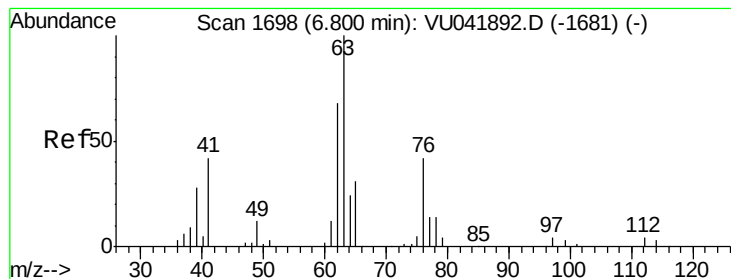


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0





#37

1,2-Dichloropropane

Concen: 10.794 ug/L

RT: 6.80 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

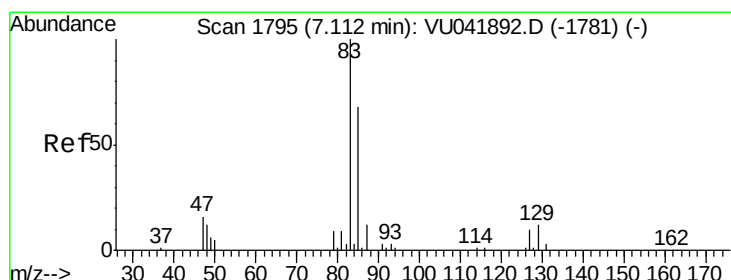
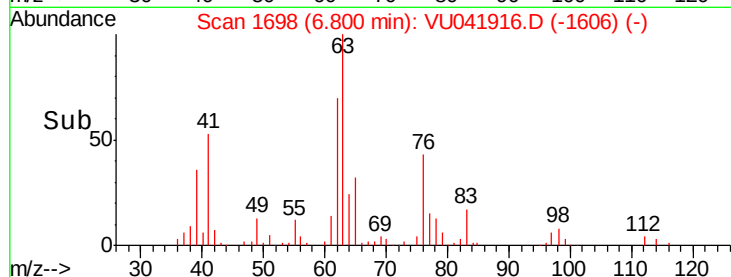
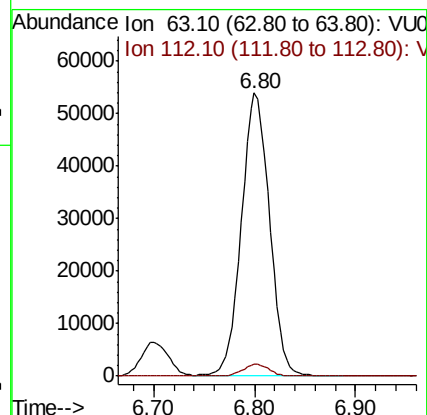
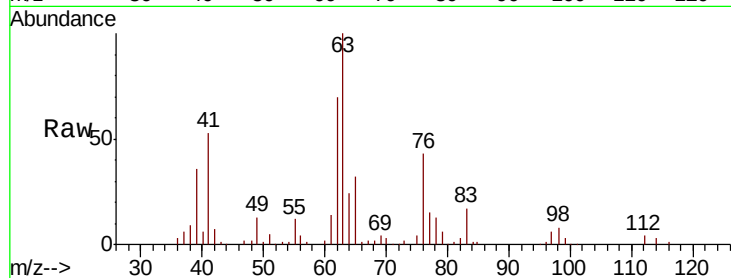
VSTD01005

Tot Ion: 63 Resp: 104391

Ion Ratio Lower Upper

63 100

112 3.9 3.3 4.9



#38

Bromodichloromethane

Concen: 10.428 ug/L

RT: 7.11 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

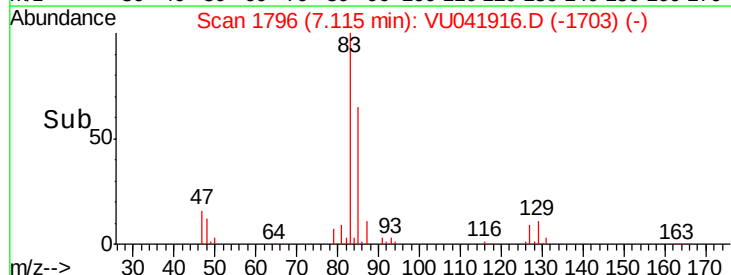
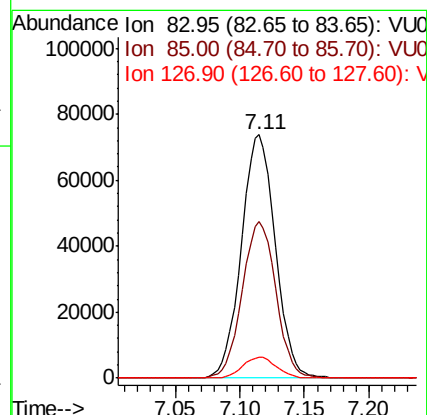
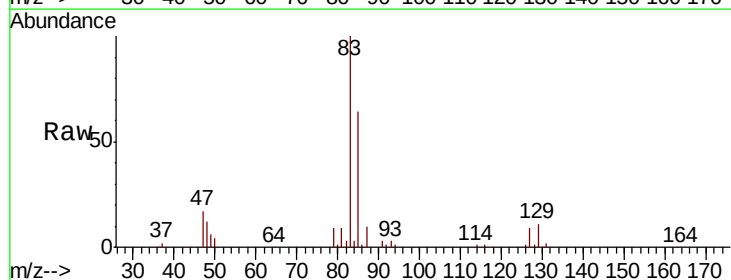
Tgt Ion: 83 Resp: 134963

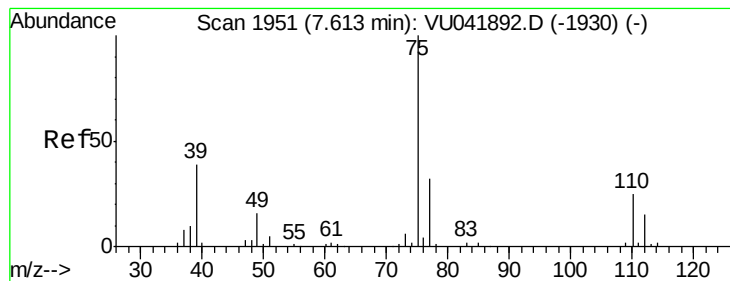
Ion Ratio Lower Upper

83 100

85 64.3 42.1 78.3

127 8.8 7.0 10.4



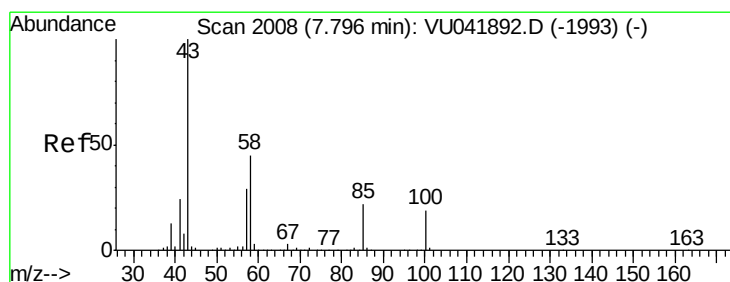
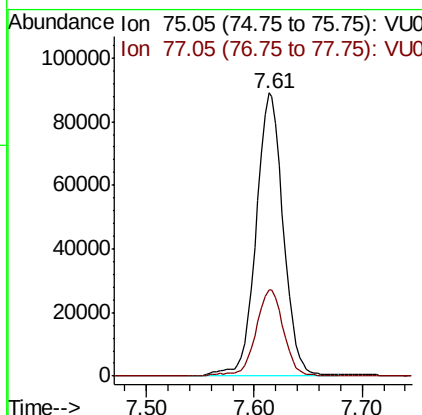
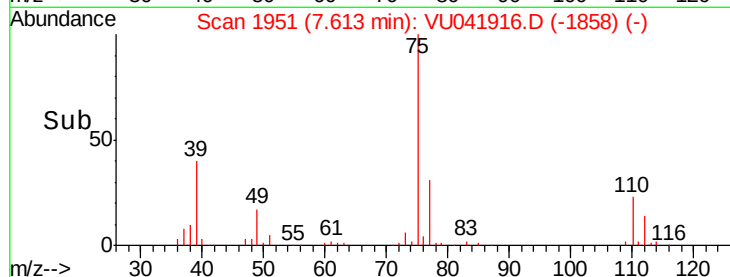
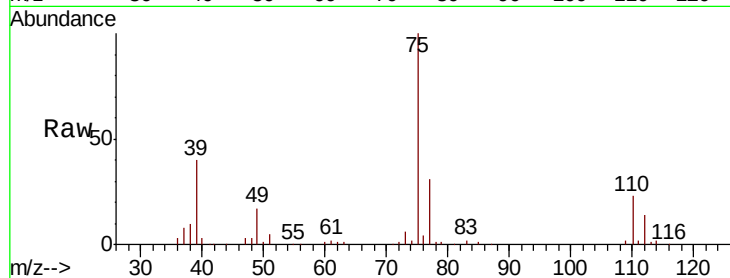


#39

cis-1,3-Dichloropropene
 Concen: 10.910 ug/L
 RT: 7.61 min Scan# 1951
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

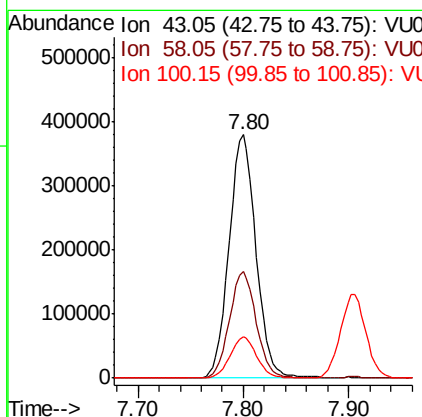
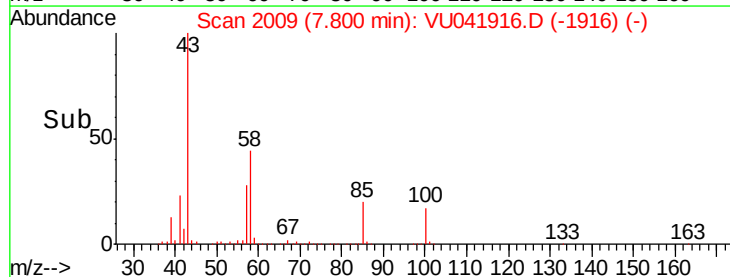
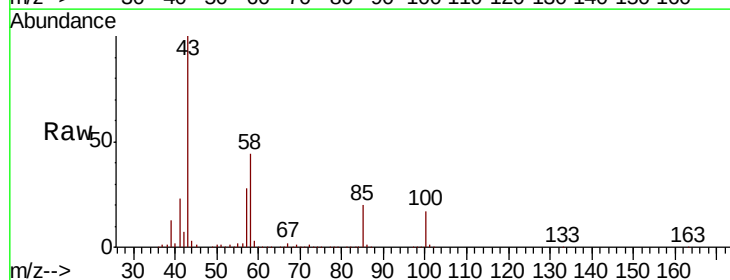
Tot Ion: 75 Resp: 155797
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.5 39.9

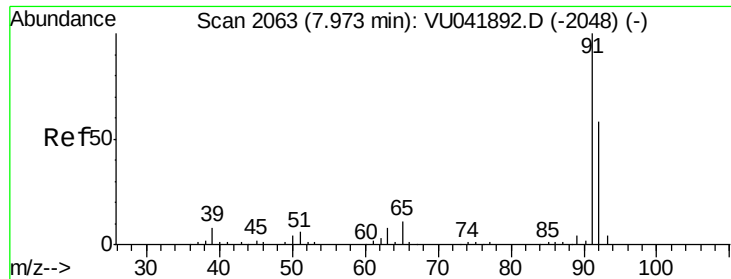


#40

4-Methyl-2-pentanone
 Concen: 109.182 ug/L
 RT: 7.80 min Scan# 2009
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Tgt Ion: 43 Resp: 670375
 Ion Ratio Lower Upper
 43 100
 58 43.5 35.0 52.4
 100 16.7 13.3 19.9





#42

Toluene

Concen: 10.783 ug/L

RT: 7.97 min Scan# 2063

Delta R.T. -0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

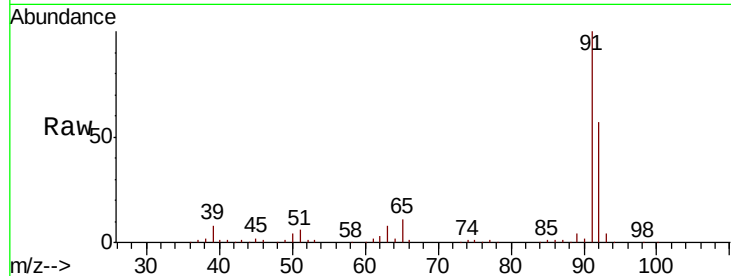
VSTD01005

Tot Ion: 91 Resp: 432073

Ion Ratio Lower Upper

91 100

92 57.1 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VU0

Ion 92.15 (91.85 to 92.85): VU0

7.97

250000

200000

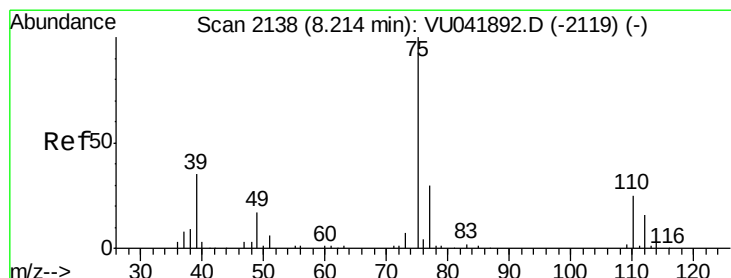
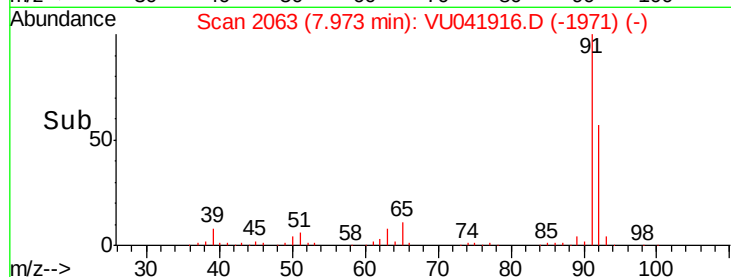
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 11.015 ug/L

RT: 8.21 min Scan# 2138

Delta R.T. -0.00 min

Lab File: VU041916.D

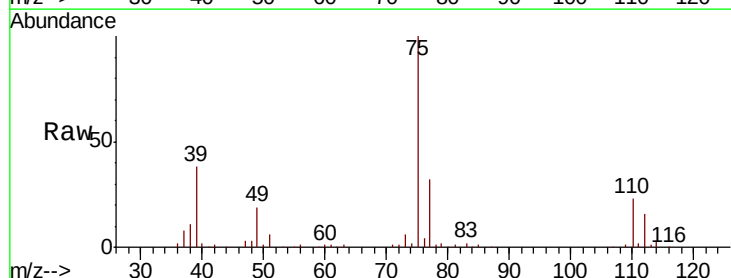
Acq: 11 Jan 2021 12:55

Tgt Ion: 75 Resp: 139146

Ion Ratio Lower Upper

75 100

77 32.1 23.7 44.1



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0

8.21

80000

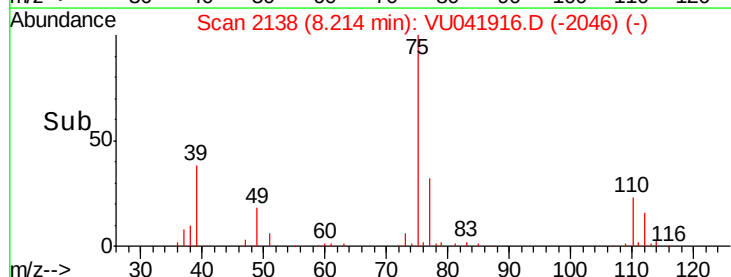
60000

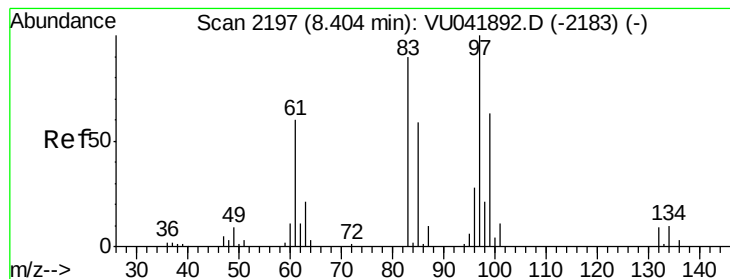
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 10.455 ug/L

RT: 8.40 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

Tot Ion: 97 Resp: 77524

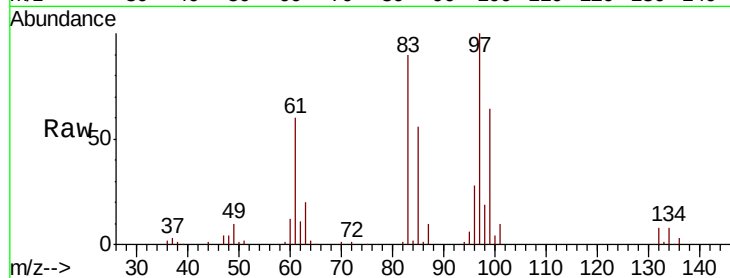
Ion Ratio Lower Upper

97 100

99 64.2 45.1 83.9

83 89.8 63.3 117.7

85 56.0 39.2 72.8

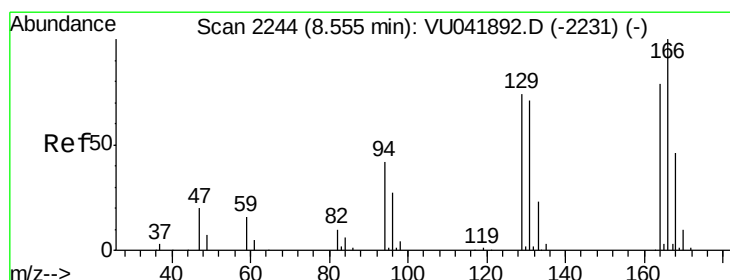
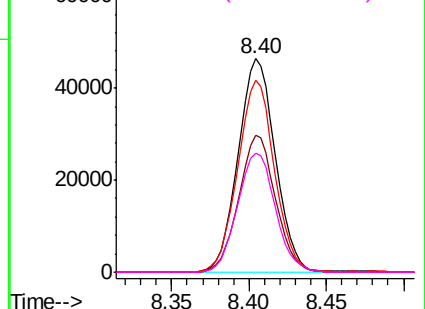
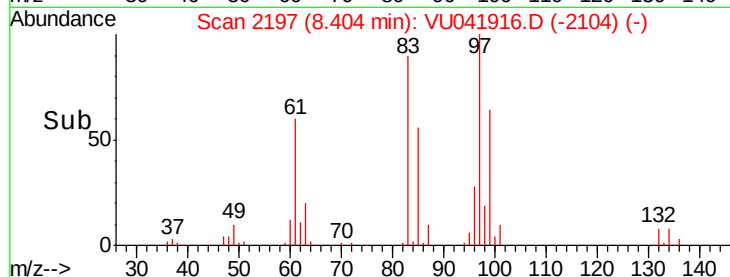


Abundance Ion 96.95 (96.65 to 97.65): VU0

Ion 99.05 (98.75 to 99.75): VU0

Ion 82.95 (82.65 to 83.65): VU0

Ion 85.00 (84.70 to 85.70): VU0



#47

Tetrachloroethene

Concen: 10.917 ug/L

RT: 8.56 min Scan# 2244

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Tgt Ion:164 Resp: 77334

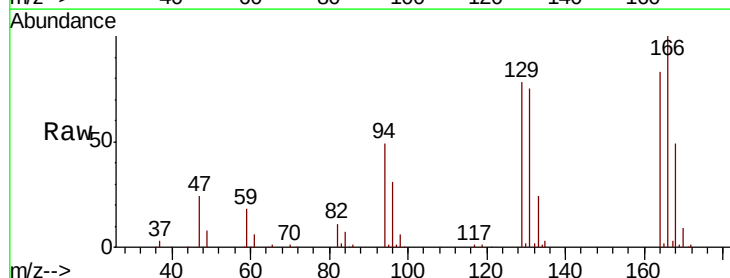
Ion Ratio Lower Upper

164 100

129 93.5 69.2 128.6

131 90.7 69.7 129.5

166 120.5 89.2 165.8

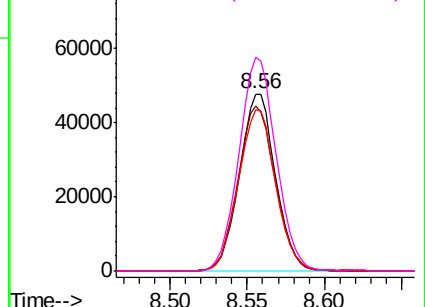
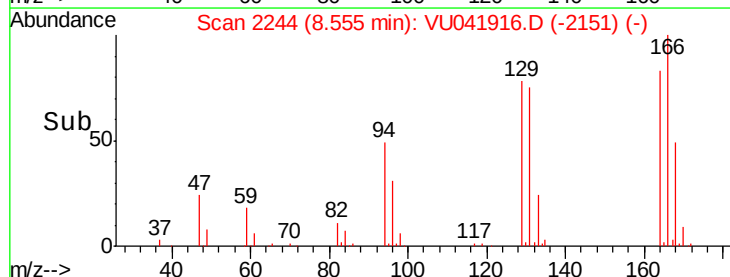


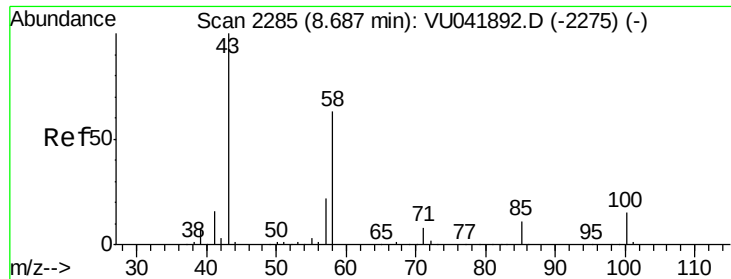
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

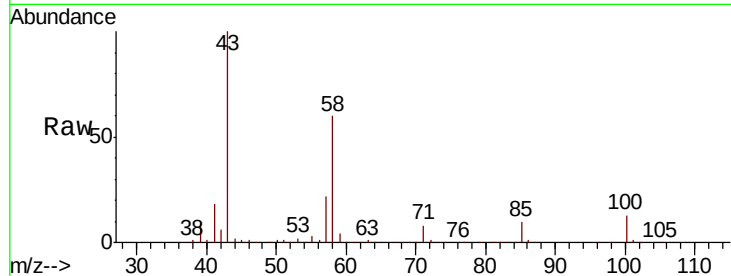




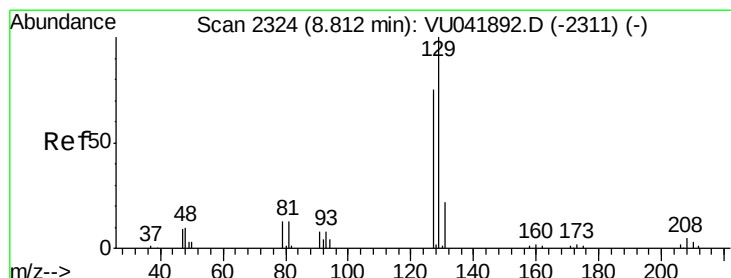
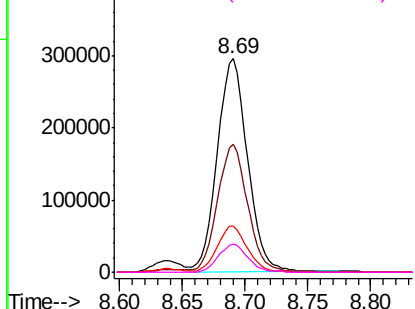
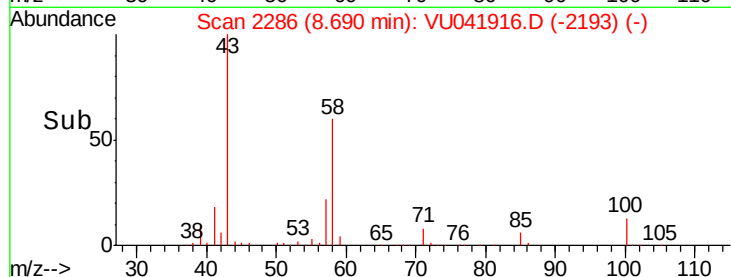
#48
2-Hexanone
Concen: 109.248 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion: 43 Resp: 494464
Ion Ratio Lower Upper
43 100
58 59.7 47.6 71.4
57 21.7 17.1 25.7
100 13.0 10.4 15.6

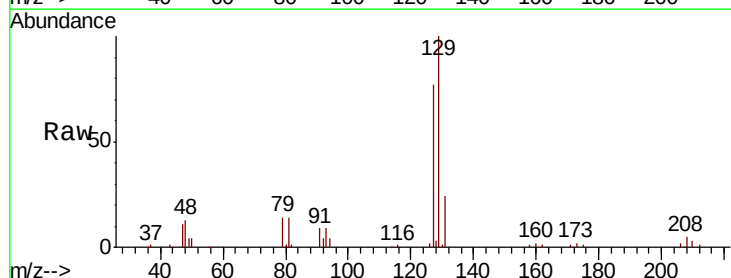


Abundance Ion 43.05 (42.75 to 43.75): VU0
Ion 58.05 (57.75 to 58.75): VU0
Ion 57.20 (56.90 to 57.90): VU0
Ion 100.15 (99.85 to 100.85): VU0

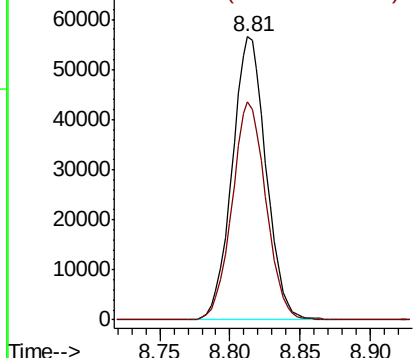
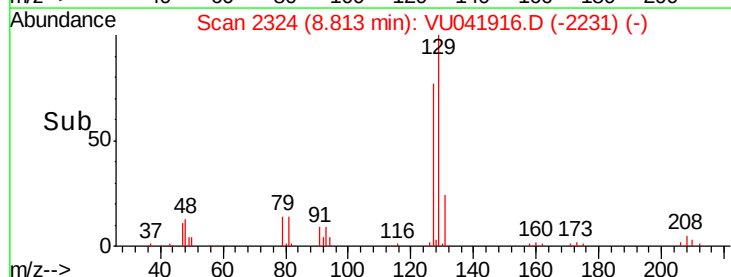


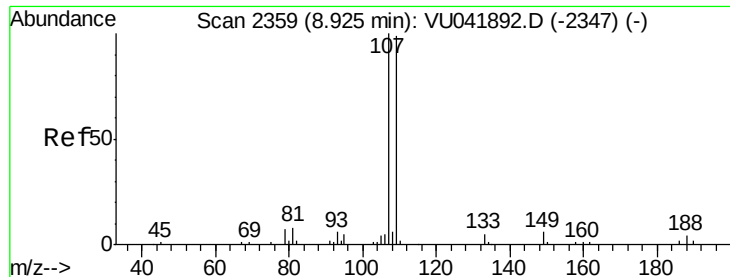
#49
Dibromochloromethane
Concen: 10.531 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. 0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

Tgt Ion: 129 Resp: 95032
Ion Ratio Lower Upper
129 100
127 77.2 54.9 101.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 10.764 ug/L

RT: 8.93 min Scan# 2360

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

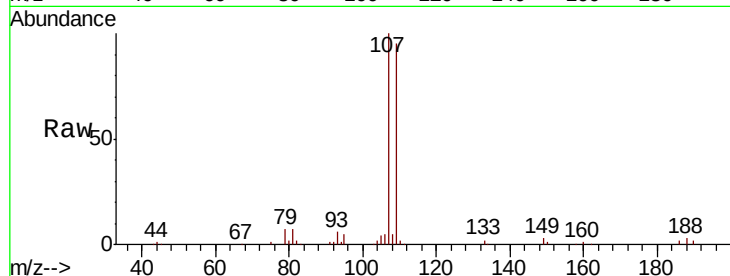
Tot Ion:107 Resp: 75244

Ion Ratio Lower Upper

107 100

109 95.4 68.5 127.1

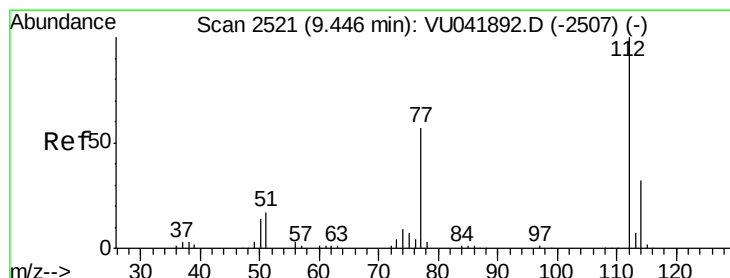
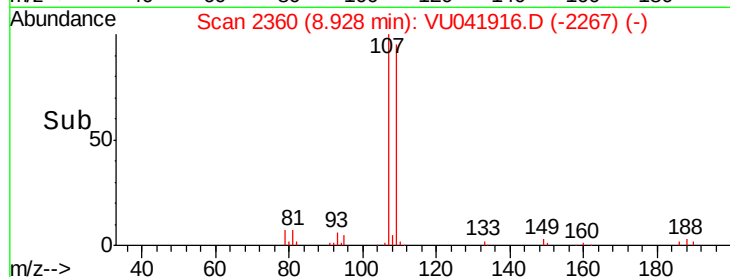
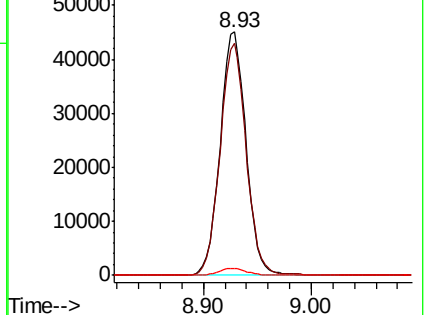
188 3.0 2.6 4.0



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 10.478 ug/L

RT: 9.45 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

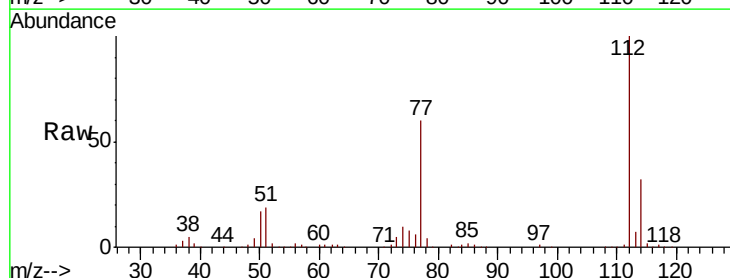
Tgt Ion:112 Resp: 264303

Ion Ratio Lower Upper

112 100

114 32.2 21.5 39.9

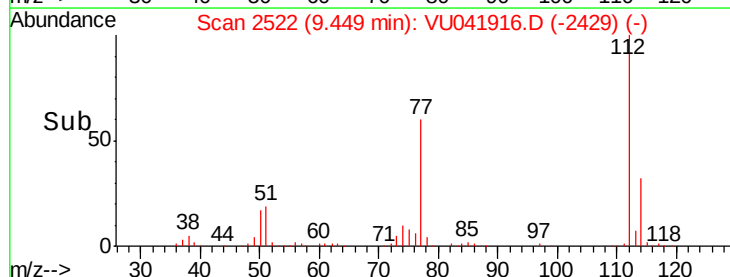
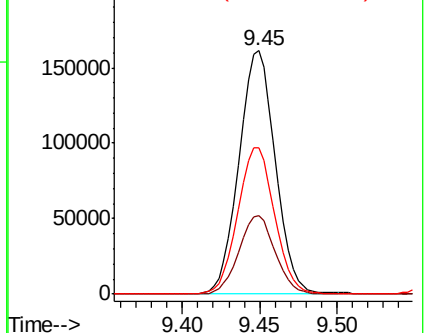
77 60.1 47.3 70.9

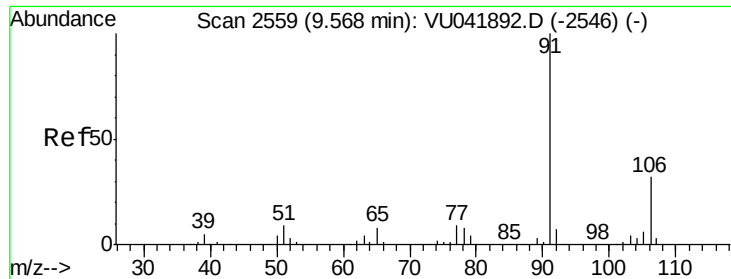


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VU





#52

Ethylbenzene

Concen: 11.195 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

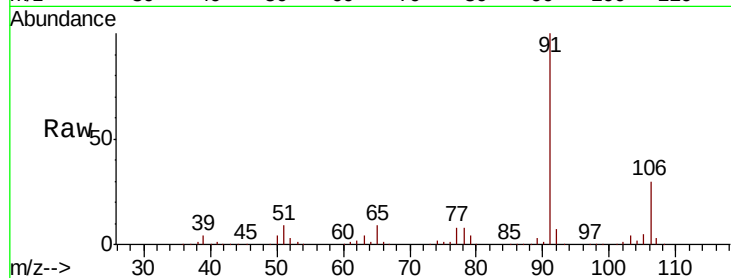
VSTD01005

Tot Ion: 91 Resp: 472489

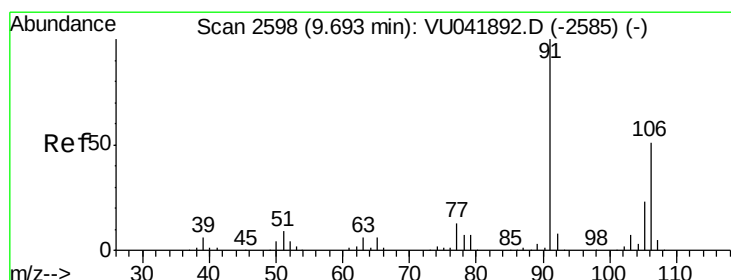
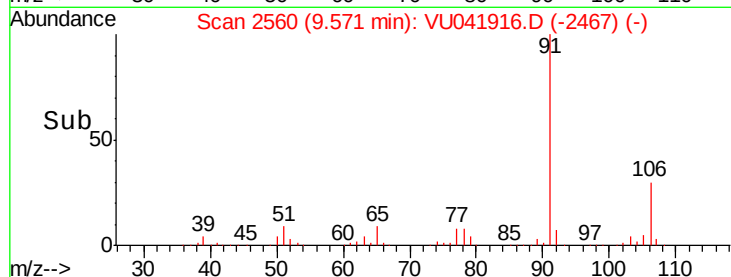
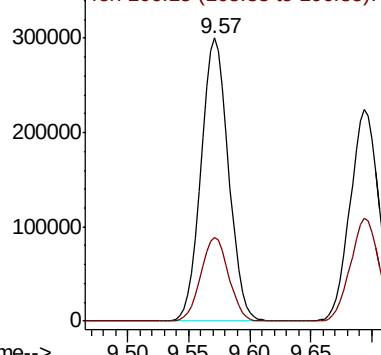
Ion Ratio Lower Upper

91 100

106 29.7 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VU041892.D (-2546) (-)



#53

m,p-Xylene

Concen: 11.419 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041916.D

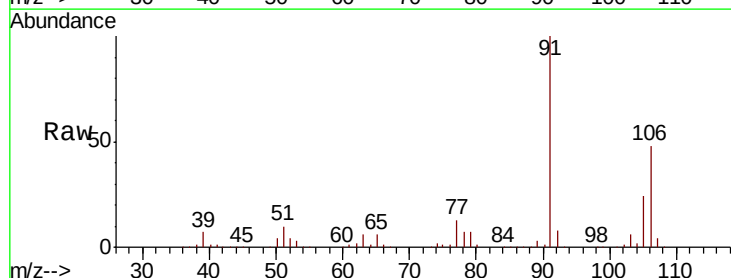
Acq: 11 Jan 2021 12:55

Tgt Ion: 106 Resp: 178427

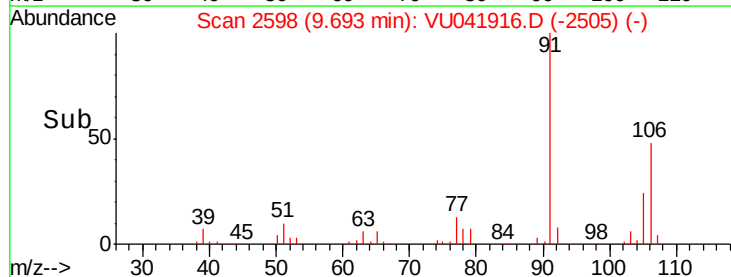
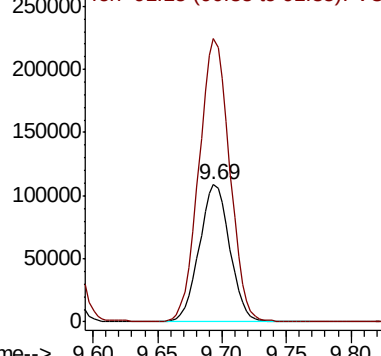
Ion Ratio Lower Upper

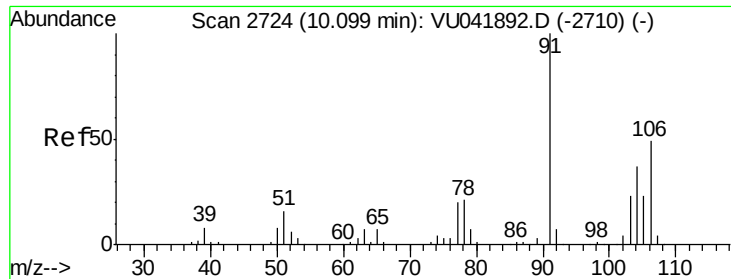
106 100

91 206.5 147.2 273.4



Abundance Ion 106.15 (105.85 to 106.85): VU041892.D (-2585) (-)

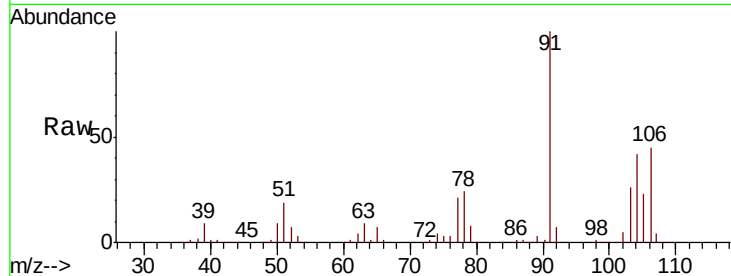




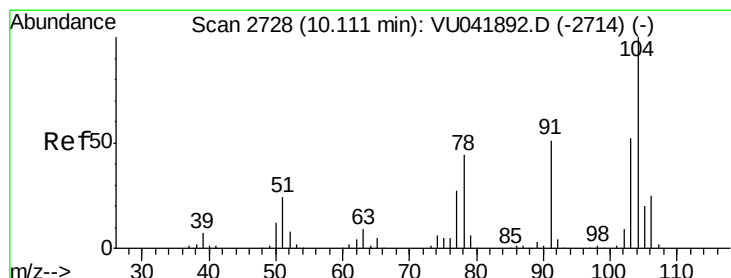
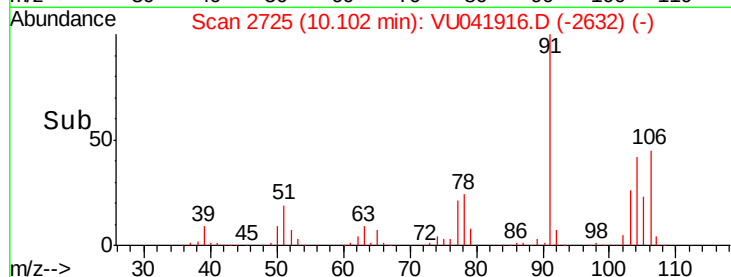
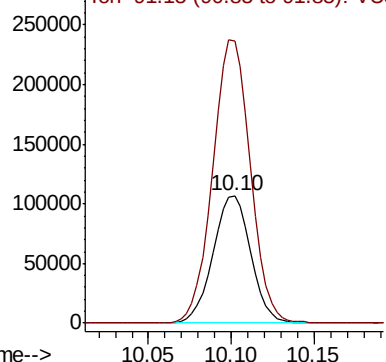
#54
o-Xylene
Concen: 11.220 ug/L
RT: 10.10 min Scan# 2725
Delta R.T. 0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

Instrument :
MSVOA_U
ClientSampleId :
VSTD01005

Tot Ion:106 Resp: 169428
Ion Ratio Lower Upper
106 100
91 221.7 147.3 273.6

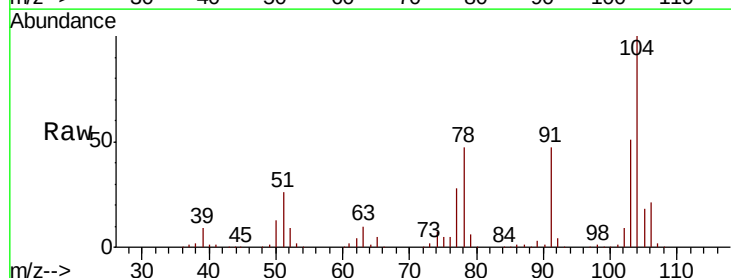


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VU0

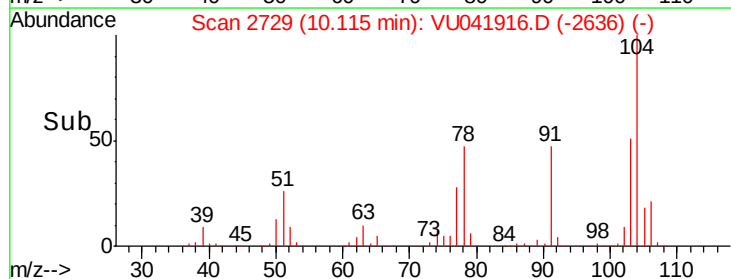
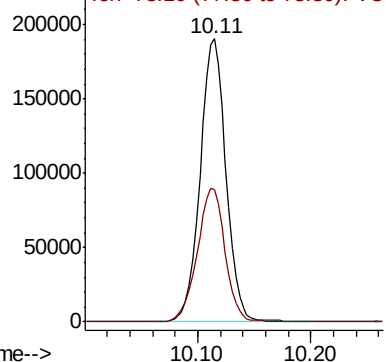


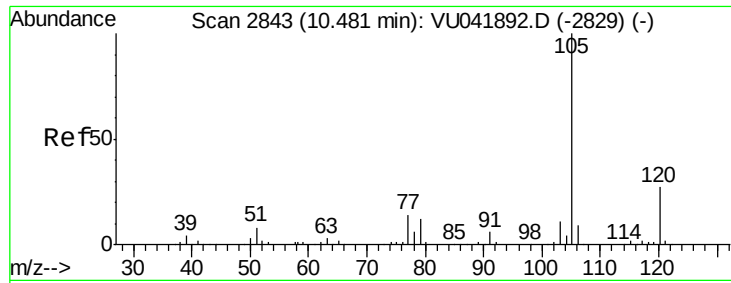
#55
Styrene
Concen: 11.492 ug/L
RT: 10.11 min Scan# 2729
Delta R.T. 0.00 min
Lab File: VU041916.D
Acq: 11 Jan 2021 12:55

Tgt Ion:104 Resp: 301656
Ion Ratio Lower Upper
104 100
78 46.9 33.3 61.9



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VU0





#56

Isopropylbenzene

Concen: 11.287 ug/L

RT: 10.48 min Scan# 2844

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

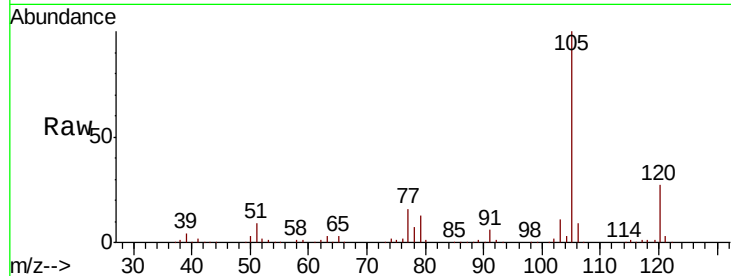
Tot Ion:105 Resp: 457644

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

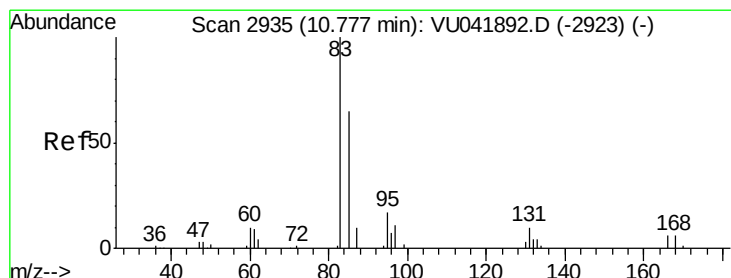
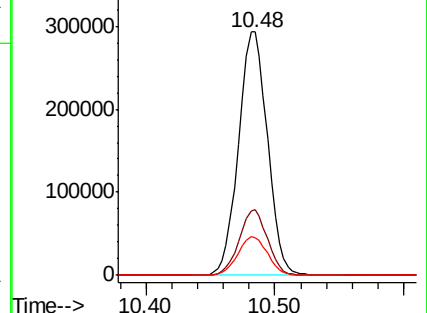
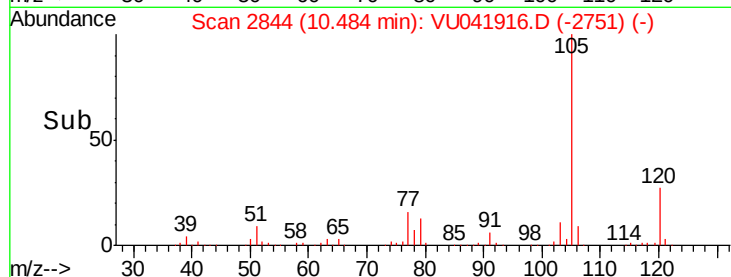
77 16.2 13.0 19.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 10.237 ug/L

RT: 10.78 min Scan# 2936

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

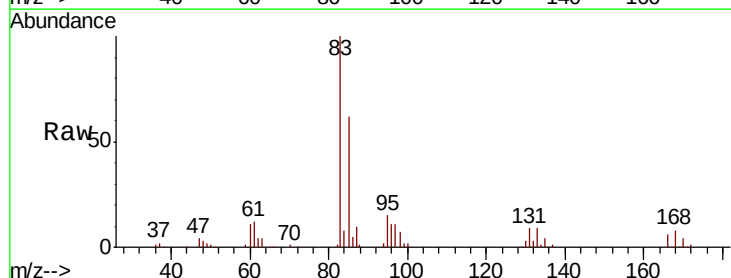
Tgt Ion: 83 Resp: 99196

Ion Ratio Lower Upper

83 100

85 62.1 45.4 84.2

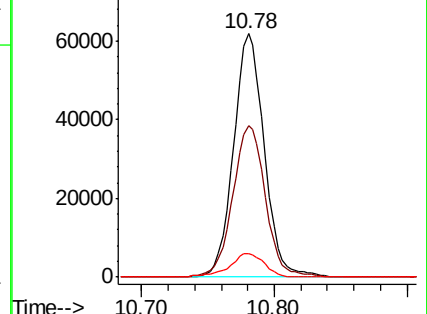
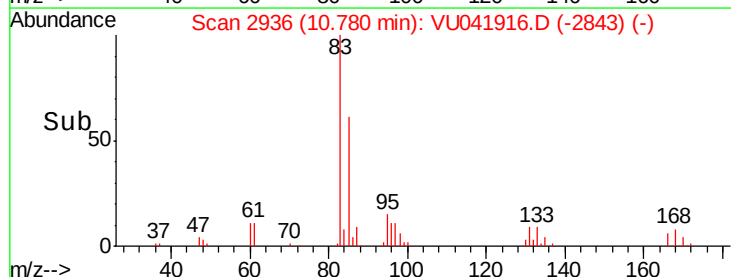
131 9.4 7.4 11.2

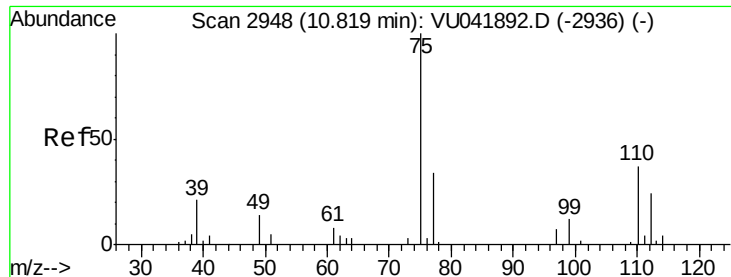


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V

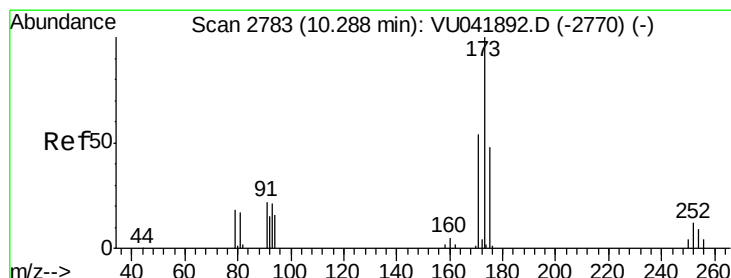
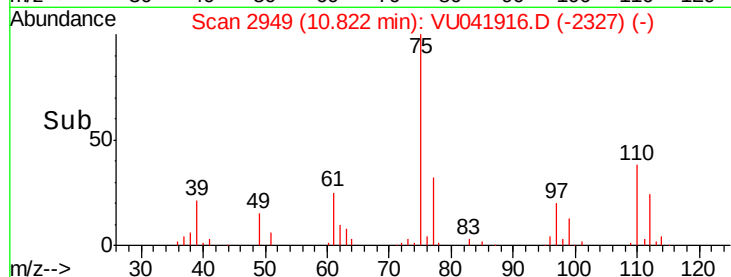
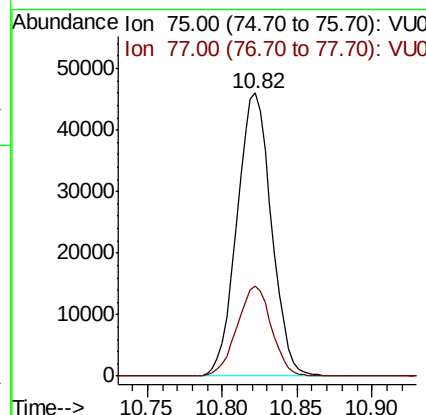
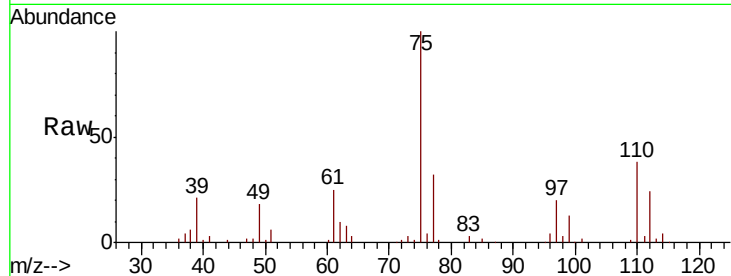




#59
 1,2,3-Trichloropropane
 Concen: 10.459 ug/L
 RT: 10.82 min Scan# 2949
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

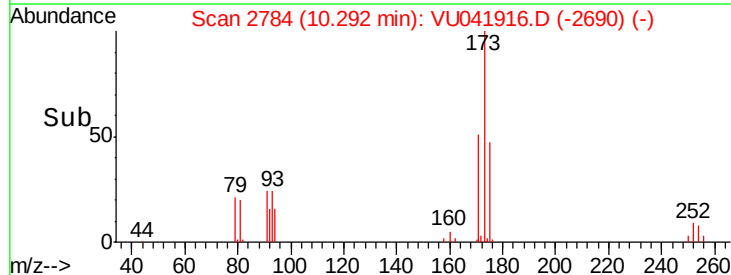
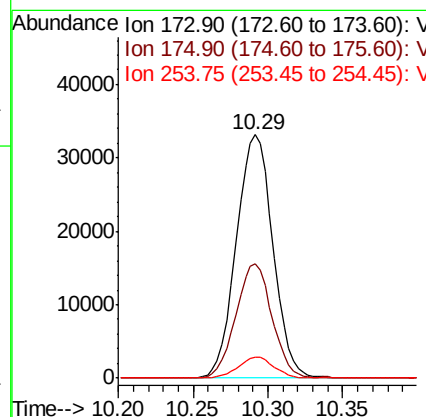
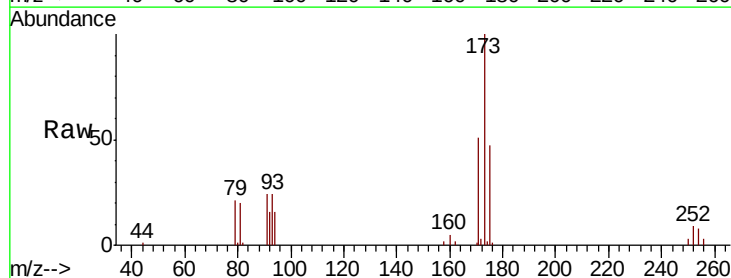
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

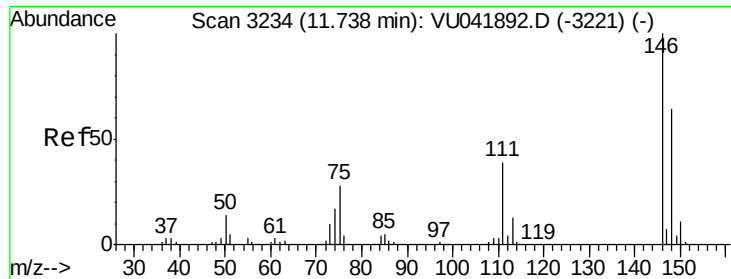
Tot Ion: 75 Resp: 73880
 Ion Ratio Lower Upper
 75 100
 77 31.7 27.0 40.4



#61
 Bromoform
 Concen: 10.526 ug/L
 RT: 10.29 min Scan# 2784
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Tgt Ion: 173 Resp: 56412
 Ion Ratio Lower Upper
 173 100
 175 46.3 36.1 54.1
 254 8.2 7.1 10.7

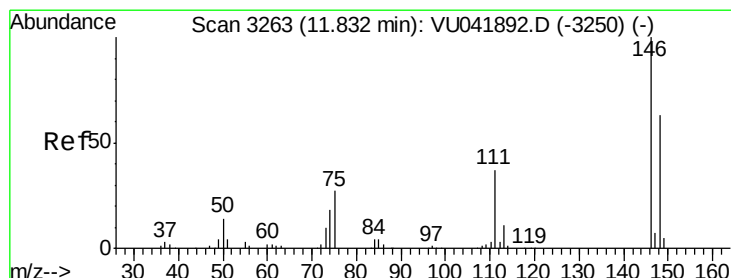
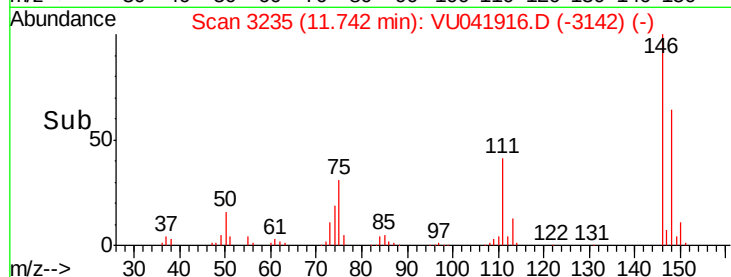
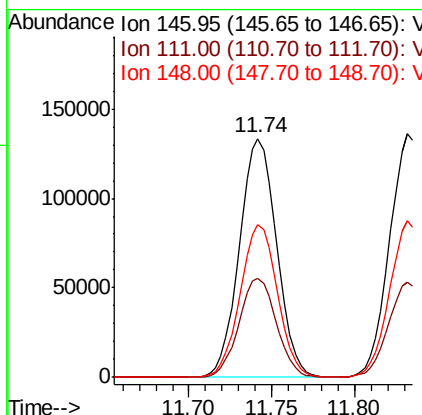
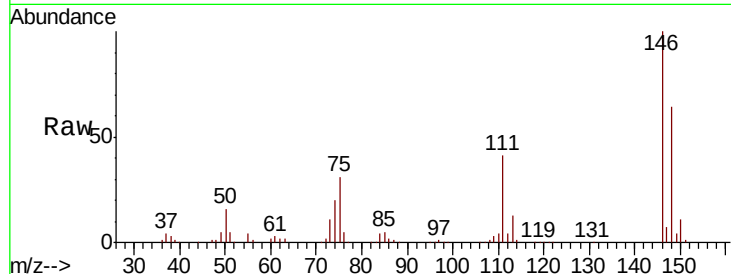




#62
 1,3-Dichlorobenzene
 Concen: 10.369 ug/L
 RT: 11.74 min Scan# 3235
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

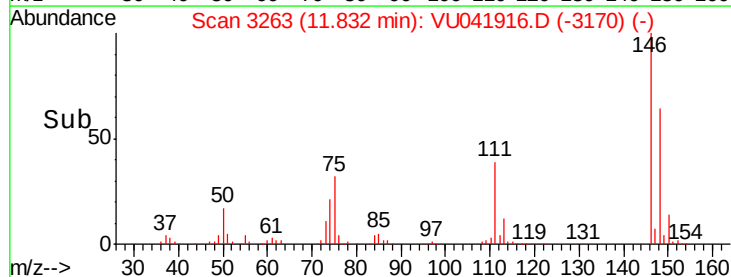
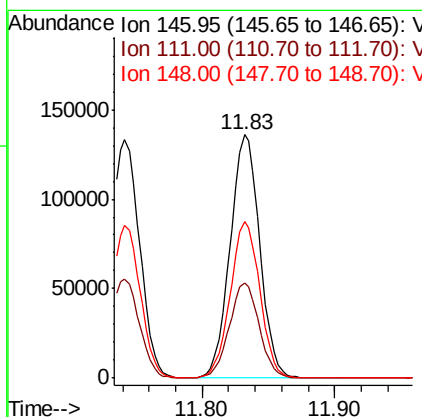
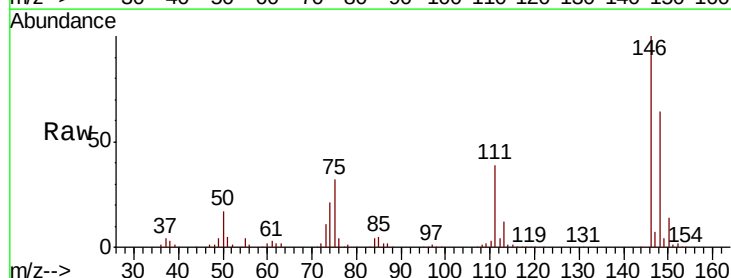
Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

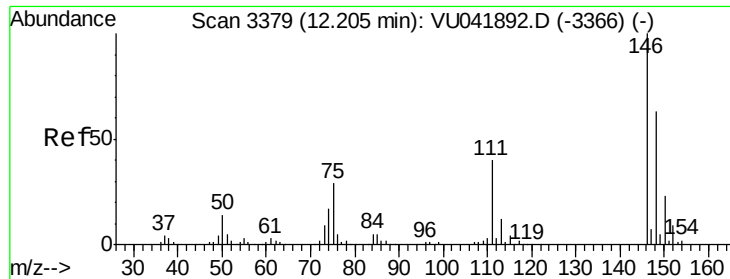
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	28.7	53.3
148	63.8	43.2	80.2



#63
 1,4-Dichlorobenzene
 Concen: 10.456 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	28.4	52.8
148	64.1	44.0	81.8





#65

1,2-Dichlorobenzene

Concen: 10.446 ug/L

RT: 12.21 min Scan# 3380

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

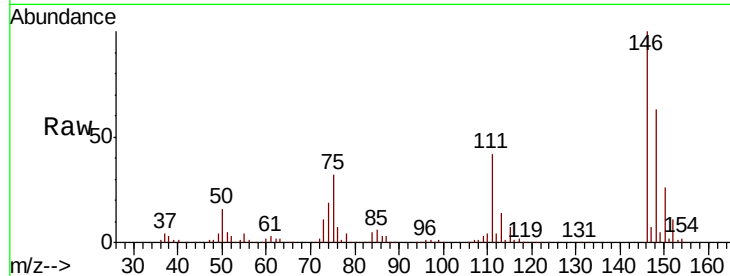
Tot Ion:146 Resp: 201830

Ion Ratio Lower Upper

146 100

111 42.2 32.4 48.6

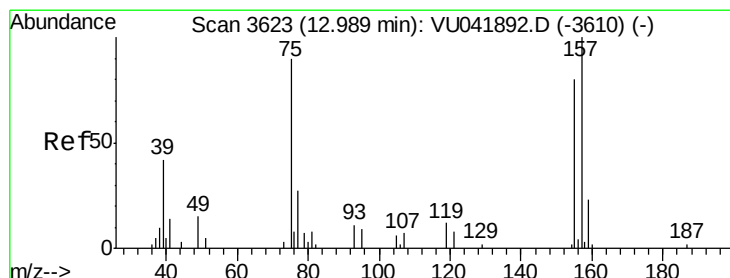
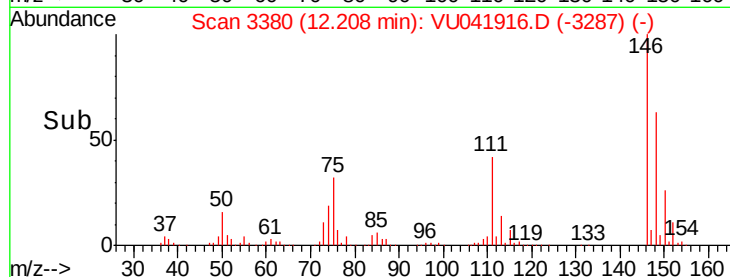
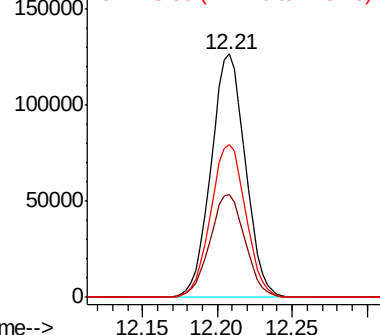
148 62.9 50.5 75.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 10.185 ug/L

RT: 12.99 min Scan# 3623

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

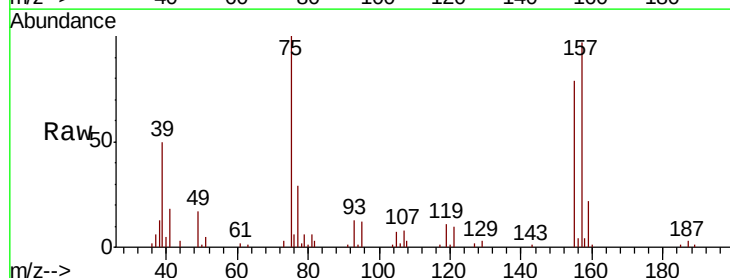
Tgt Ion: 75 Resp: 17873

Ion Ratio Lower Upper

75 100

155 79.4 60.6 91.0

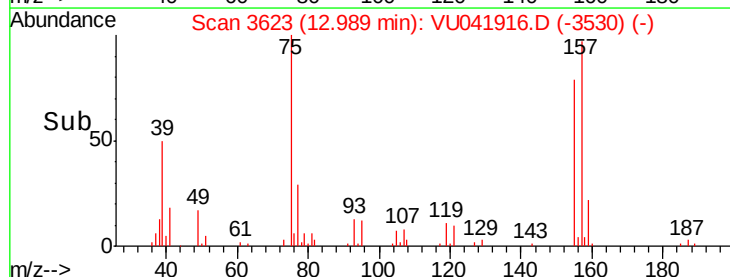
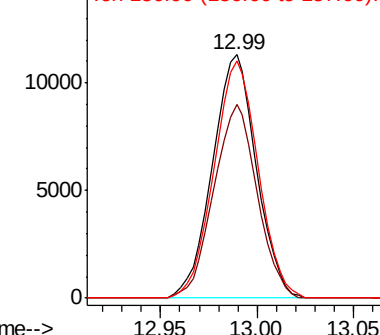
157 97.3 81.0 121.6

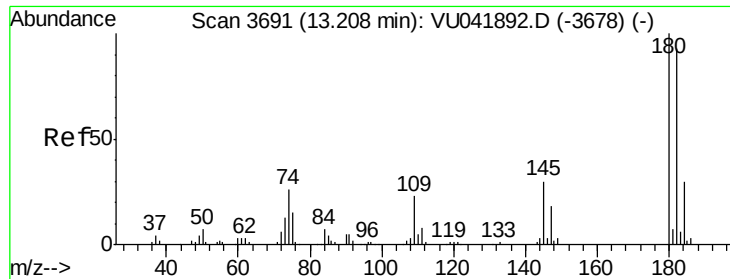


Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

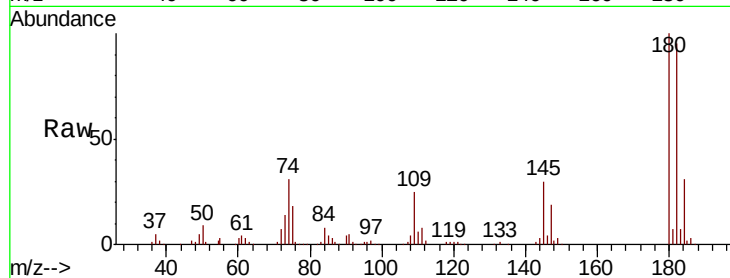




#67
 1,3,5-Trichlorobenzene
 Concen: 10.495 ug/L
 RT: 13.21 min Scan# 3692
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD01005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	74.6	111.8
184	30.8	23.8	35.6
145	30.7	24.6	37.0



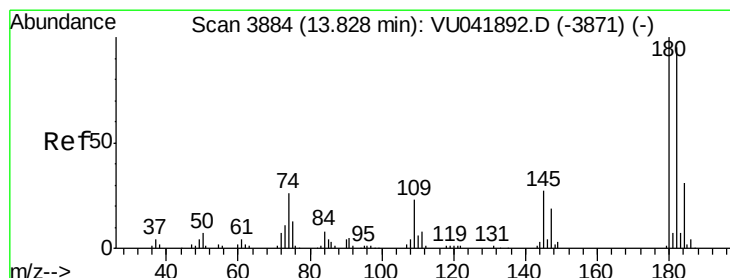
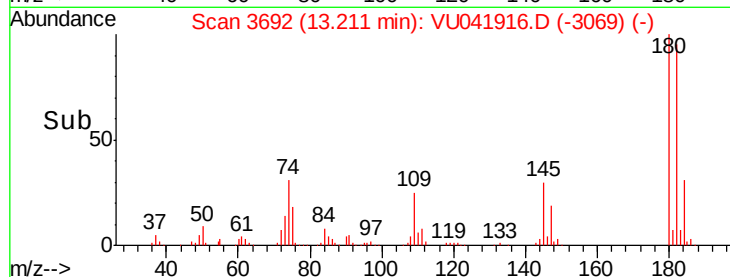
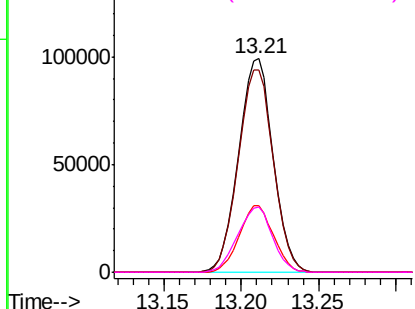
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

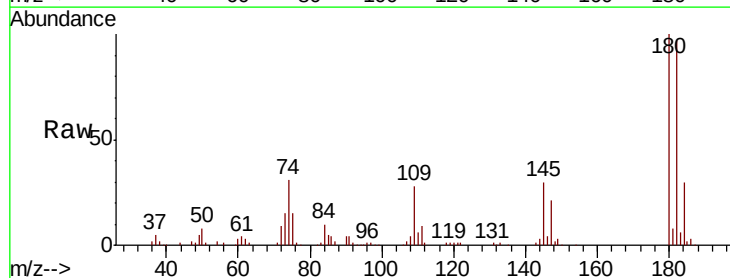
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 11.367 ug/L
 RT: 13.83 min Scan# 3884
 Delta R.T. 0.00 min
 Lab File: VU041916.D
 Acq: 11 Jan 2021 12:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.2	115.8
145	31.0	23.8	35.6

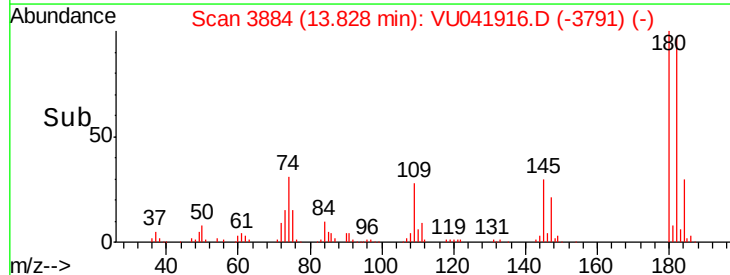
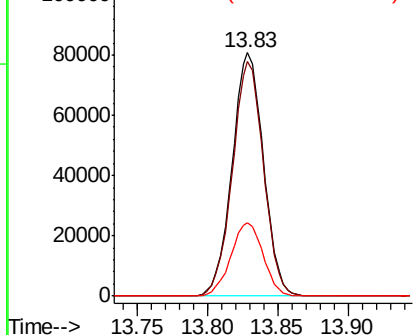


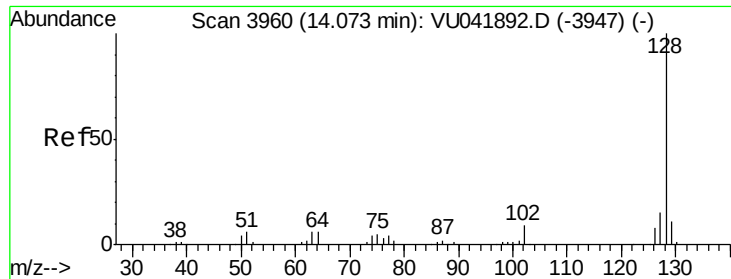
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 12.572 ug/L

RT: 14.08 min Scan# 3961

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

Instrument :

MSVOA_U

ClientSampleId :

VSTD01005

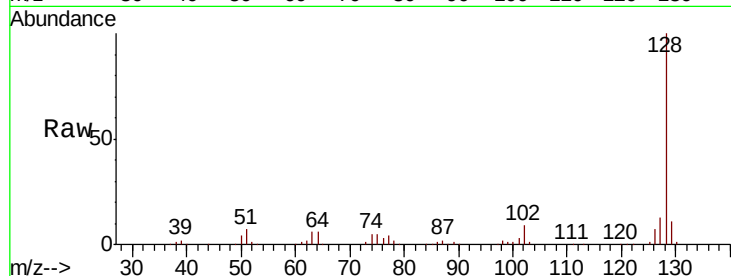
Tot Ion:128 Resp: 235483

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

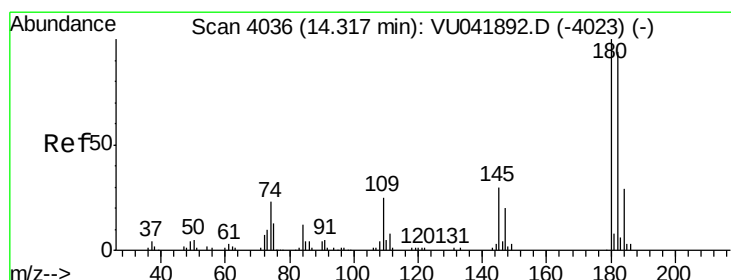
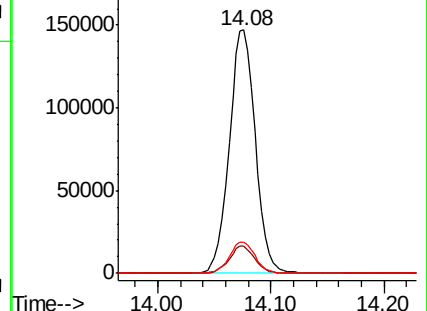
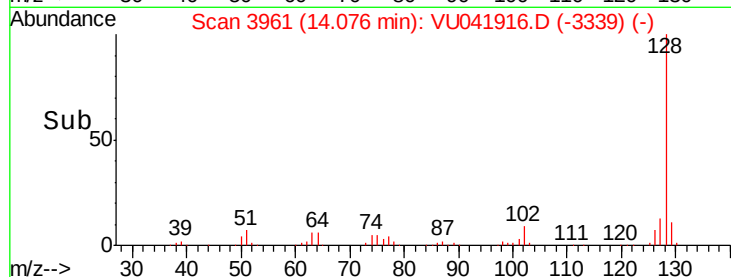
127 12.8 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 11.391 ug/L

RT: 14.32 min Scan# 4036

Delta R.T. 0.00 min

Lab File: VU041916.D

Acq: 11 Jan 2021 12:55

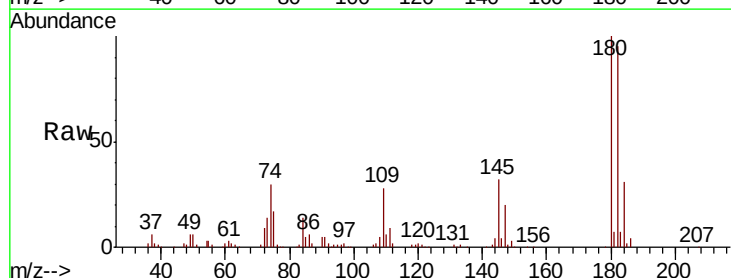
Tgt Ion:180 Resp: 118954

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 32.7 27.0 40.6



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

