

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU121620\
 Data File : VU041657.D
 Acq On : 16 Dec 2020 09:36
 Operator : SY/MD
 Sample : VSTD01032
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Dec 17 02:45:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Dec 17 02:44:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	6.26	114	268490	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.42	117	262186	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.81	152	126570	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.60	65	19689	9.02	ug/L	0.00
7) Chloroethane-d5	1.92	69	16513	9.84	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.58	63	34516	8.26	ug/L	0.00
21) 2-Butanone-d5	4.65	46	27395	15.18	ug/L	0.00
24) Chloroform-d	5.08	84	33990	8.77	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.72	65	21616	8.00	ug/L	0.00
32) Benzene-d6	5.74	84	70509	9.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.70	67	22193	8.91	ug/L	0.00
41) Toluene-d8	7.90	98	65050	9.55	ug/L	0.00
43) trans-1,3-Dichloropropene-	8.19	79	10713	8.43	ug/L	0.00
47) 2-Hexanone-d5	8.64	63	21751	19.04	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.75	84	32809	9.25	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.19	152	23572	9.55	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.39	85	22451	11.500 ug/L	99
3) Chloromethane	1.53	50	20754	9.278 ug/L	98
5) Vinyl chloride	1.61	62	23226	10.244 ug/L	99
6) Bromomethane	1.87	94	15773	12.123 ug/L	96
8) Chloroethane	1.94	64	16322	11.018 ug/L	99
9) Trichlorofluoromethane	2.15	101	33117	10.325 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.59	101	17756	8.935 ug/L	96
12) 1,1-Dichloroethene	2.59	96	16545	8.896 ug/L	96
13) Acetone	2.65	43	22261	12.307 ug/L	97
14) Carbon disulfide	2.81	76	54799	9.275 ug/L	98
15) Methyl Acetate	2.97	43	21370	7.609 ug/L	99
16) Methylene chloride	3.06	84	19971	9.146 ug/L	98
17) trans-1,2-Dichloroethene	3.37	96	17202	8.963 ug/L	98
18) Methyl tert-butyl Ether	3.38	73	52719	8.471 ug/L	99
19) 1,1-Dichloroethane	3.89	63	31496	8.015 ug/L	95
20) cis-1,2-Dichloroethene	4.68	96	18390	8.748 ug/L	95
22) 2-Butanone	4.73	43	31994	14.634 ug/L	72
23) Bromochloromethane	4.99	128	10204	9.188 ug/L	93
25) Chloroform	5.10	83	33718	8.447 ug/L	96
27) 1,2-Dichloroethane	5.81	62	25959	7.733 ug/L	96
29) Cyclohexane	5.40	56	26040	7.488 ug/L	98
30) 1,1,1-Trichloroethane	5.33	97	29552	8.767 ug/L	98
31) Carbon tetrachloride	5.54	117	26155	8.938 ug/L	99
33) Benzene	5.79	78	75368	8.842 ug/L	100
34) Trichloroethene	6.56	95	20413	9.250 ug/L	96
35) Methylcyclohexane	6.77	83	30764	9.059 ug/L	98
37) 1,2-Dichloropropane	6.80	63	19884	8.403 ug/L	100
38) Bromodichloromethane	7.11	83	26557	8.790 ug/L	99
39) cis-1,3-Dichloropropene	7.61	75	29860	8.655 ug/L	98
40) 4-Methyl-2-pentanone	7.80	43	56546	15.207 ug/L	95

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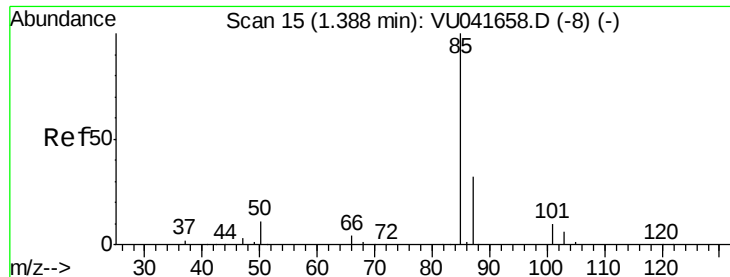
Instrument :
 MSVOA_U
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SFAMULM121620WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.98	91	79750	9.139	ug/L	98
44) trans-1,3-Dichloropropene	8.22	75	28713	8.254	ug/L	99
45) 1,1,2-Trichloroethane	8.40	97	20719	9.822	ug/L	98
46) Tetrachloroethene	8.56	164	15685	9.849	ug/L	97
48) 2-Hexanone	8.69	43	42118	14.152	ug/L	99
49) Dibromochloromethane	8.81	129	21290	9.224	ug/L	99
50) 1,2-Dibromoethane	8.93	107	21091	9.371	ug/L #	100
51) Chlorobenzene	9.45	112	54753	9.562	ug/L	99
52) Ethylbenzene	9.57	91	83680	8.729	ug/L	98
53) m,p-Xylene	9.69	106	32803	9.317	ug/L	96
54) o-xylene	10.10	106	31095	9.032	ug/L	96
55) Styrene	10.11	104	51955	8.866	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.78	83	34034	9.267	ug/L	96
59) Bromoform	10.29	173	16578	10.606	ug/L	98
60) 1,2,3-Trichloropropane	10.82	75	27869	9.386	ug/L	98
61) Isopropylbenzene	10.48	105	82476	9.454	ug/L	99
62) 1,3,5-Trimethylbenzene	11.09	105	63722	8.923	ug/L	98
63) 1,2,4-Trimethylbenzene	11.46	105	64436	8.932	ug/L	99
64) 1,3-Dichlorobenzene	11.74	146	39702	9.573	ug/L	99
65) 1,4-Dichlorobenzene	11.83	146	38856	9.104	ug/L	98
67) 1,2-Dichlorobenzene	12.20	146	38747	9.339	ug/L	95
68) 1,2-Dibromo-3-chloropropan	12.99	75	8048	9.434	ug/L	97
69) 1,3,5-Trichlorobenzene	13.21	180	26854	9.807	ug/L	97
70) 1,2,4-trichlorobenzene	13.83	180	20785	8.868	ug/L	97
71) Naphthalene	14.07	128	56532	7.736	ug/L	100
72) 1,2,3-Trichlorobenzene	14.32	180	20536	8.893	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 11.500 ug/L

RT: 1.39 min Scan# 15

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

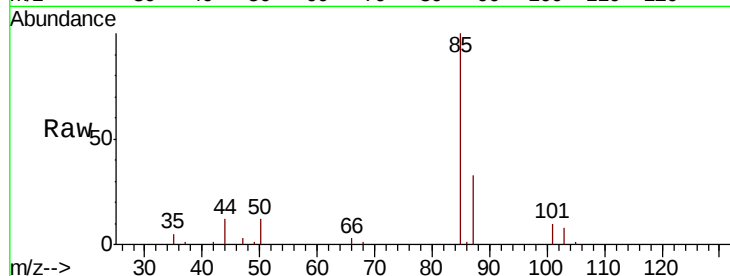
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 85 Resp: 22451

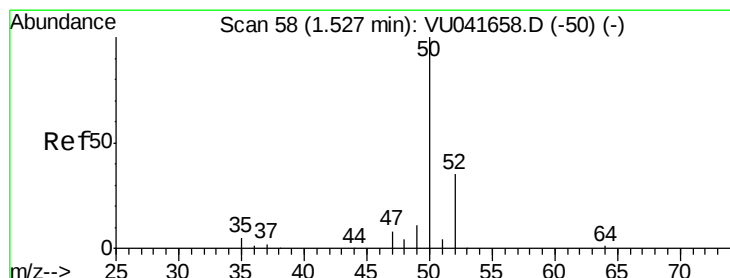
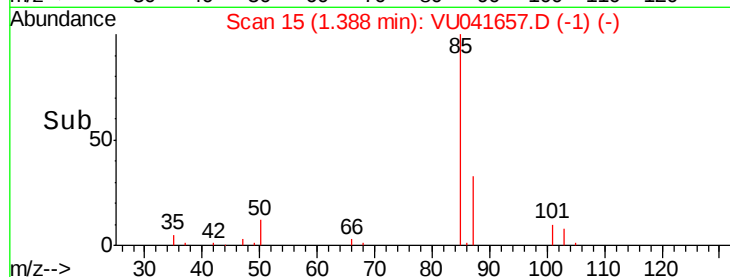
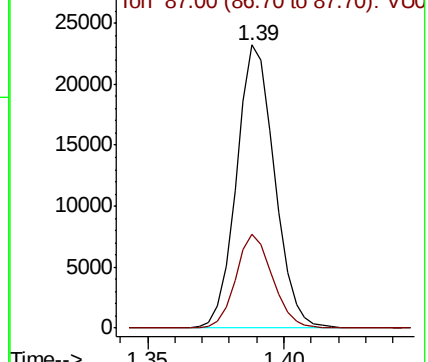
Ion Ratio Lower Upper

85 100

87 32.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VU041657.D (-1) (-)



#3

Chloromethane

Concen: 9.278 ug/L

RT: 1.53 min Scan# 58

Delta R.T. 0.00 min

Lab File: VU041657.D

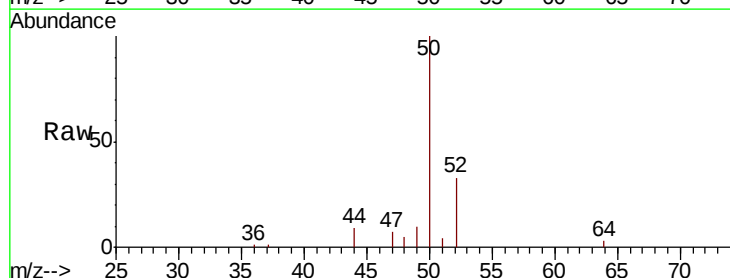
Acq: 16 Dec 2020 09:36

Tgt Ion: 50 Resp: 20754

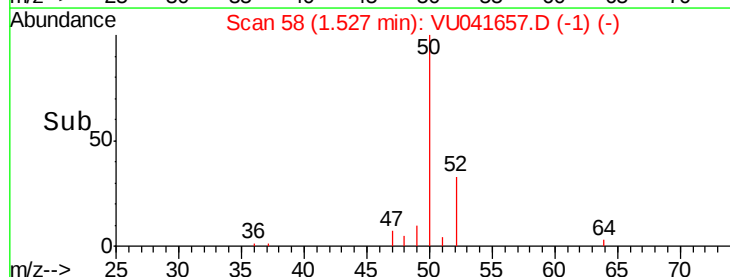
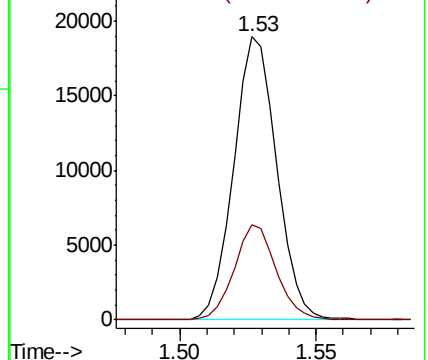
Ion Ratio Lower Upper

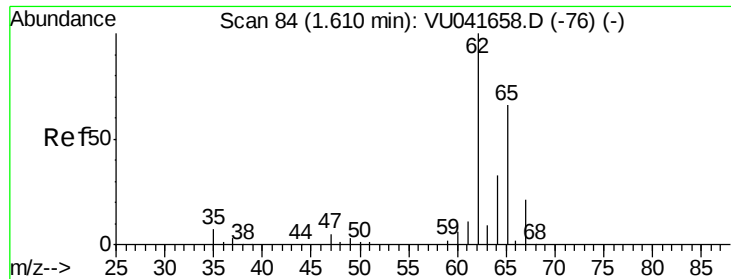
50 100

52 33.4 24.1 44.8



Abundance Ion 50.00 (49.70 to 50.70): VU041657.D (-1) (-)





#5

Vinyl chloride

Concen: 10.244 ug/L

RT: 1.61 min Scan# 84

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

Instrument :

MSVOA_U

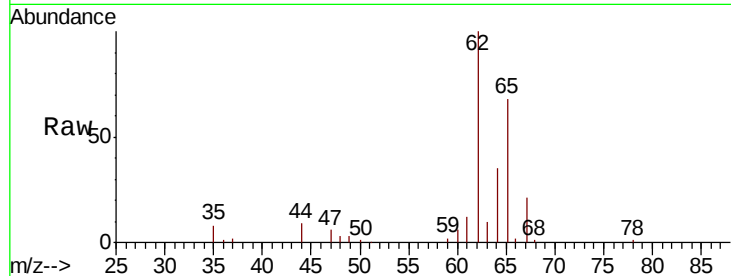
ClientSampleId :

Tot Ion: 62 Resp: 23226

Ion Ratio Lower Upper

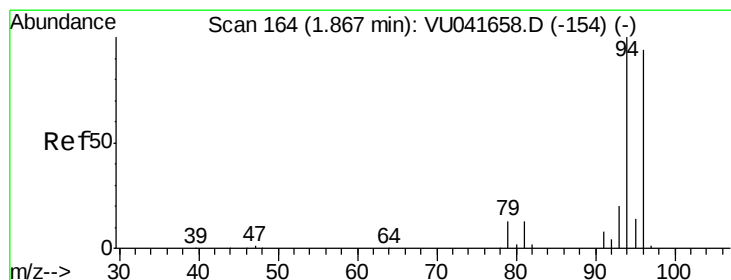
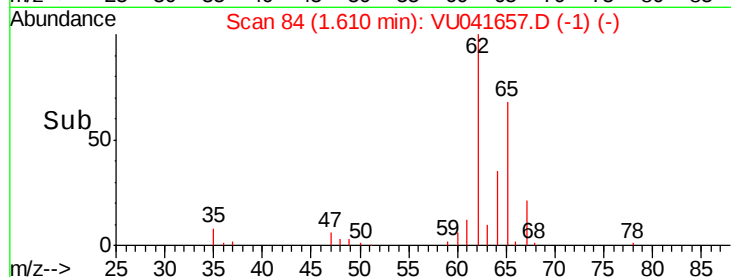
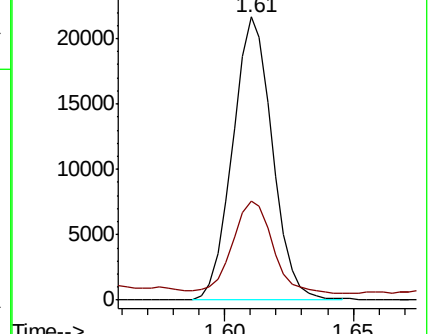
62 100

64 34.9 23.9 44.3



Abundance Ion 62.00 (61.70 to 62.70): VU0

Ion 64.00 (63.70 to 64.70): VU0



#6

Bromomethane

Concen: 12.123 ug/L

RT: 1.87 min Scan# 164

Delta R.T. 0.00 min

Lab File: VU041657.D

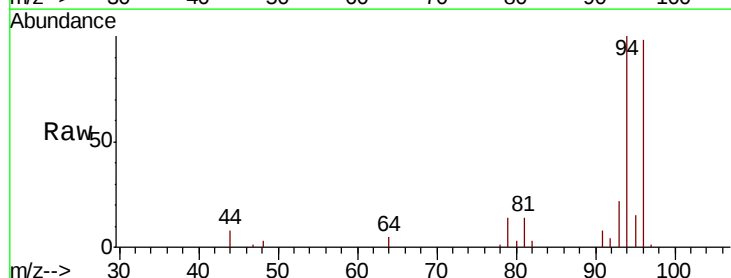
Acq: 16 Dec 2020 09:36

Tgt Ion: 94 Resp: 15773

Ion Ratio Lower Upper

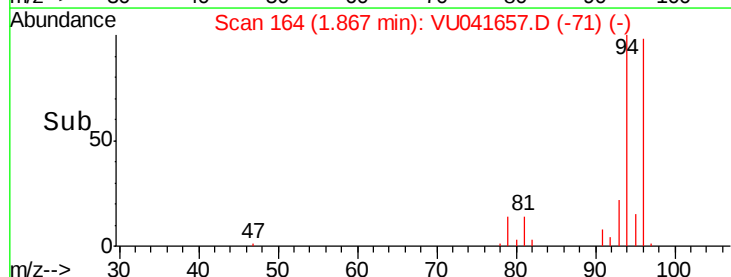
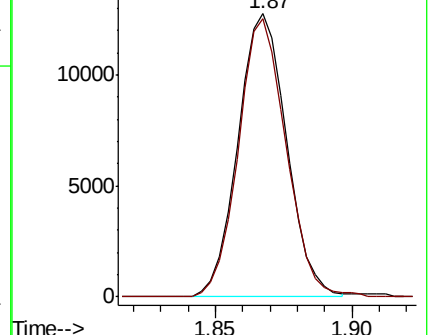
94 100

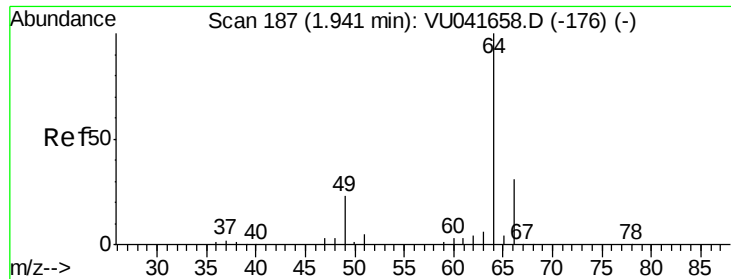
96 98.1 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VU0

Ion 96.00 (95.70 to 96.70): VU0

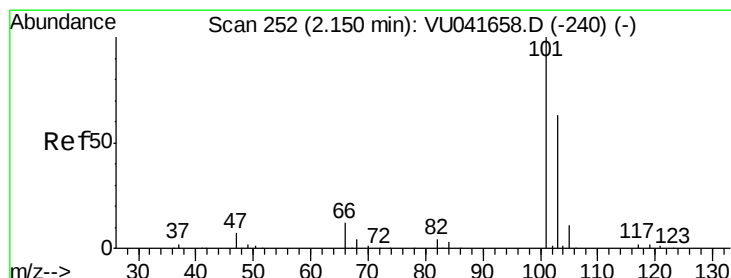
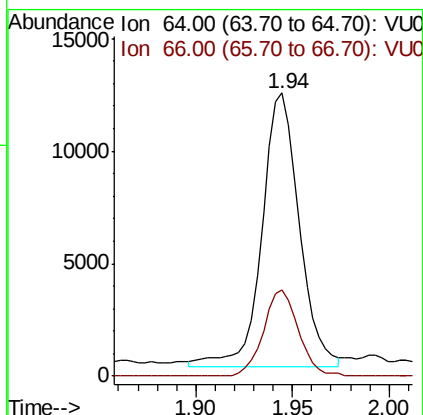
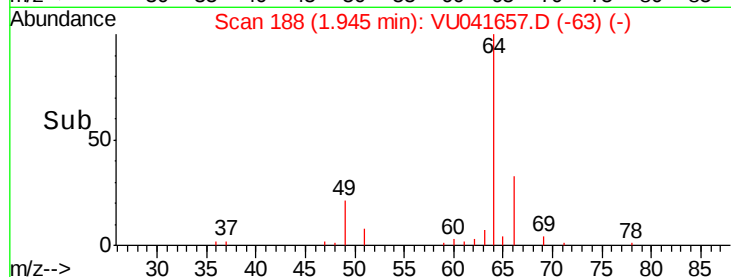
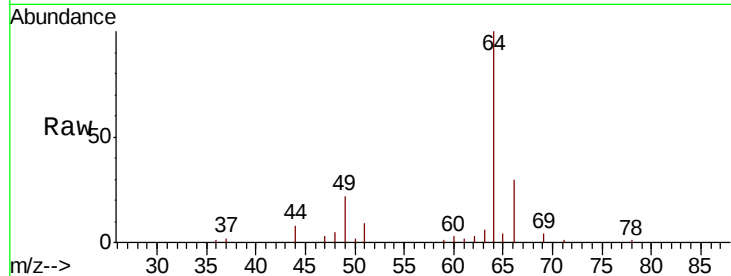




#8
Chloroethane
Concen: 11.018 ug/L
RT: 1.94 min Scan# 188
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

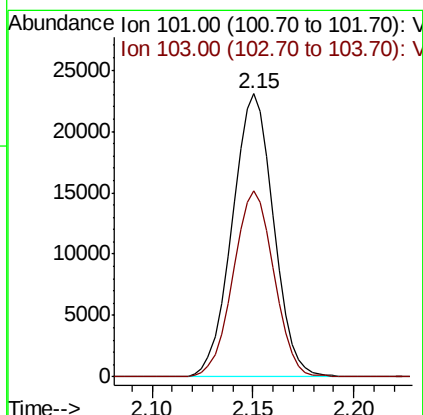
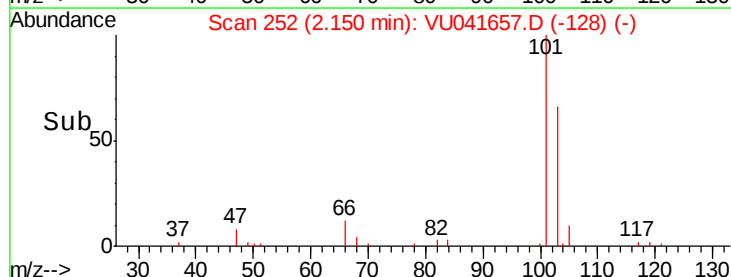
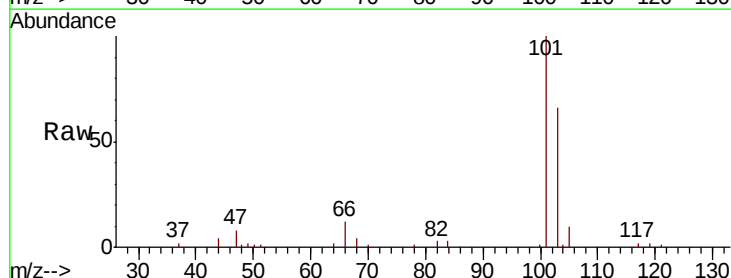
Instrument :
MSVOA_U
ClientSampleId :

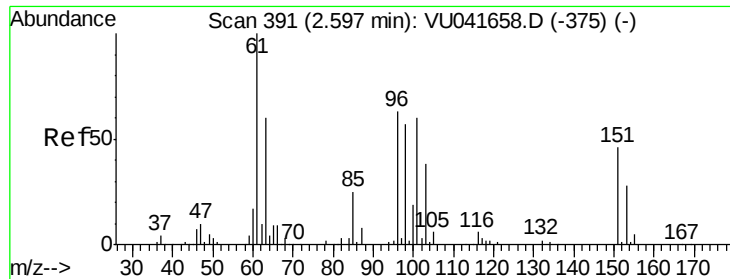
Tot Ion: 64 Resp: 16322
Ion Ratio Lower Upper
64 100
66 30.5 21.6 40.0



#9
Trichlorofluoromethane
Concen: 10.325 ug/L
RT: 2.15 min Scan# 252
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Tgt Ion: 101 Resp: 33117
Ion Ratio Lower Upper
101 100
103 65.0 51.4 77.0





#10

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

Concen: 8.935 ug/L

RT: 2.59 min Scan# 390

Delta R.T. -0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

Instrument :

MSVOA_U

ClientSampleId :

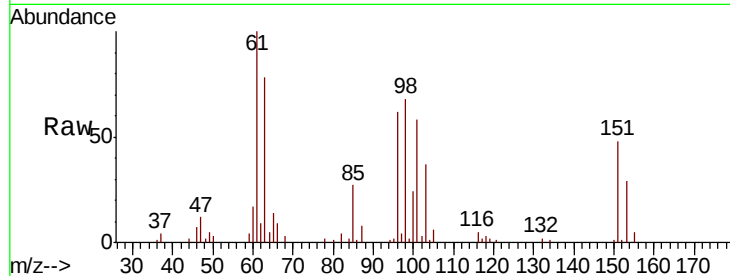
Tot Ion:101 Resp: 17756

Ion Ratio Lower Upper

101 100

85 43.0 32.7 49.1

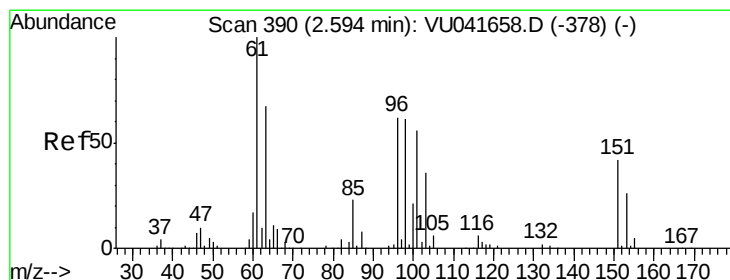
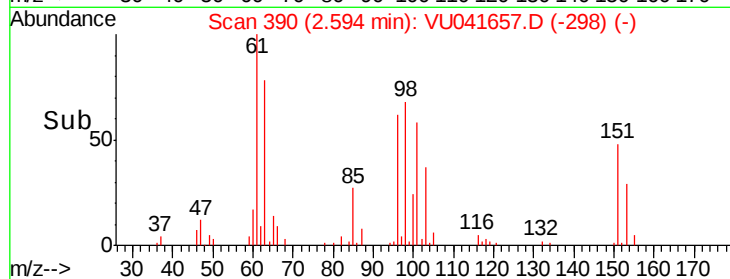
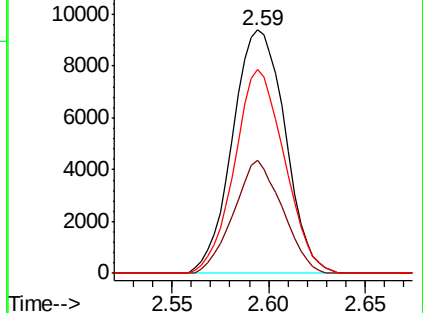
151 79.6 60.4 90.6



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: 8.896 ug/L

RT: 2.59 min Scan# 390

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

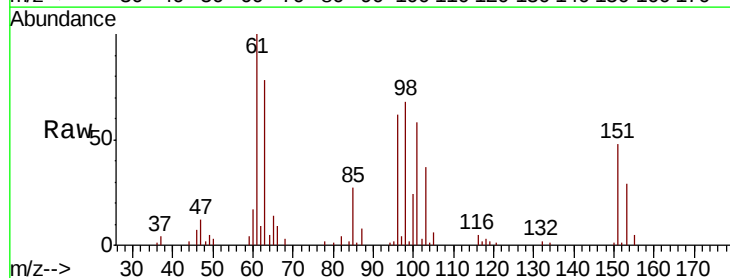
Tgt Ion: 96 Resp: 16545

Ion Ratio Lower Upper

96 100

61 160.6 114.3 212.3

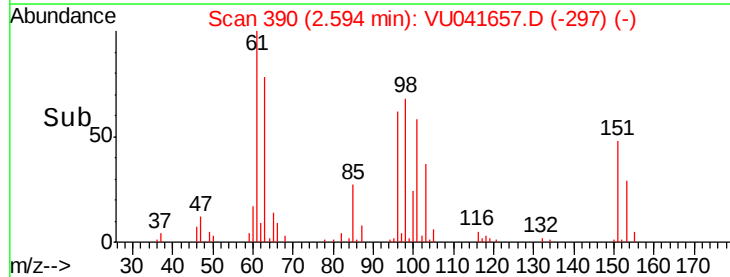
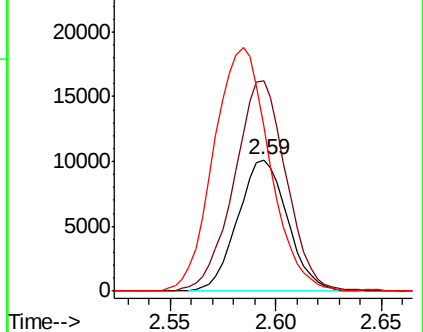
63 125.7 83.0 154.2

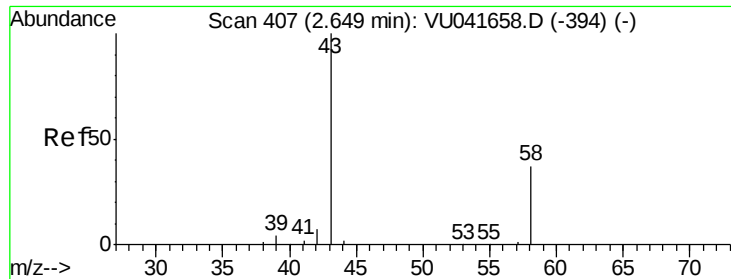


Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.00 (60.70 to 61.70): VU0

Ion 63.00 (62.70 to 63.70): VU0





#13

Acetone

Concen: 12.307 ug/L

RT: 2.65 min Scan# 407

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

Instrument :

MSVOA_U

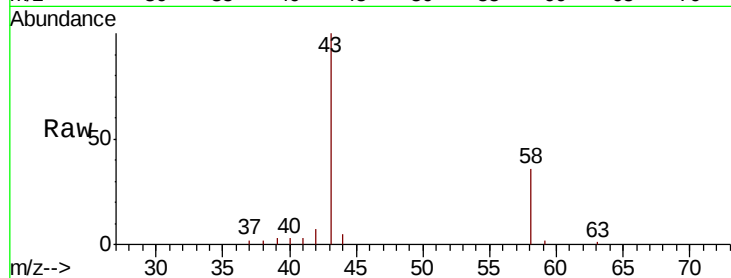
ClientSampleId :

Tot Ion: 43 Resp: 22261

Ion Ratio Lower Upper

43 100

58 36.9 0.0 70.8



Abundance Ion 43.00 (42.70 to 43.70): VU041657.D (-314) (-)

Ion 58.00 (57.70 to 58.70): VU041657.D (-314) (-)

2.65

10000

8000

6000

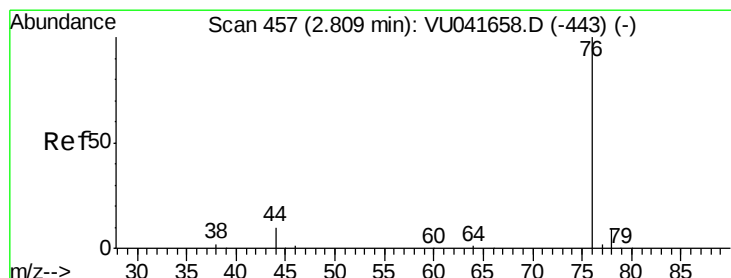
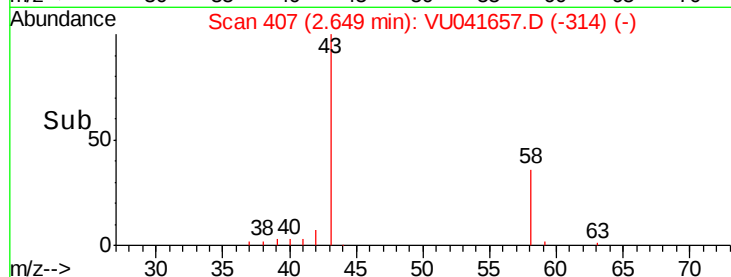
4000

2000

0

Time-->

2.60 2.65 2.70 2.75



#14

Carbon disulfide

Concen: 9.275 ug/L

RT: 2.81 min Scan# 457

Delta R.T. 0.00 min

Lab File: VU041657.D

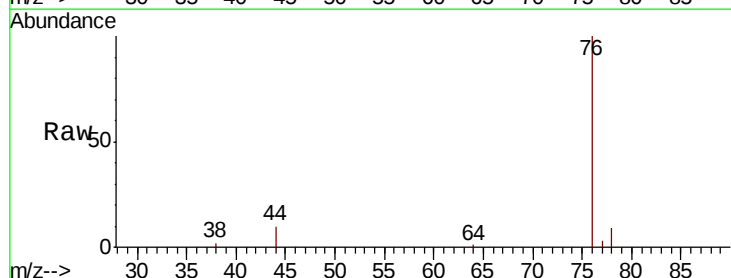
Acq: 16 Dec 2020 09:36

Tgt Ion: 76 Resp: 54799

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VU041657.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VU041657.D (-364) (-)

2.81

30000

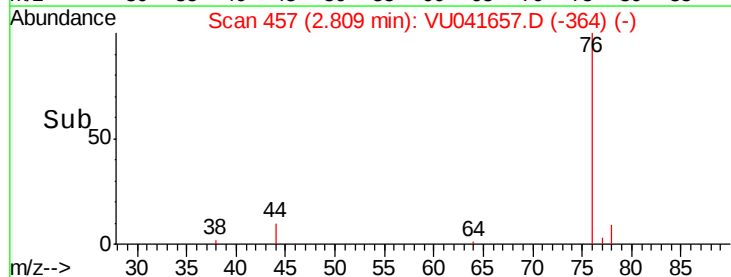
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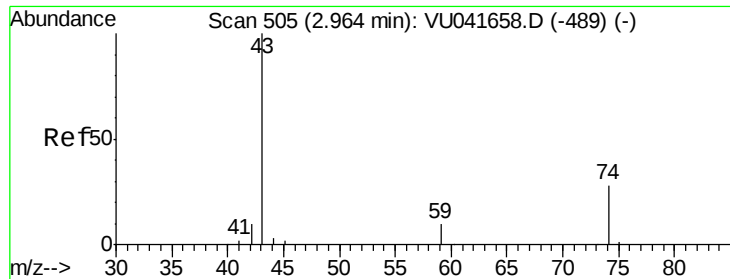
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0

Time-->

2.75 2.80 2.85

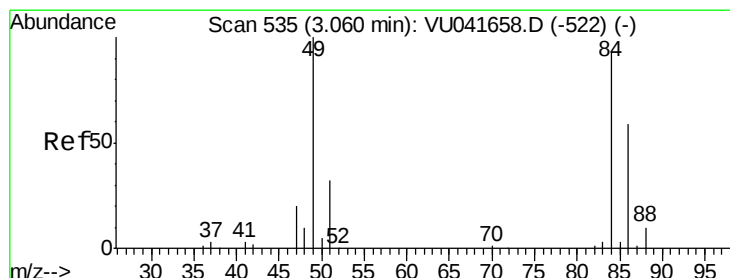
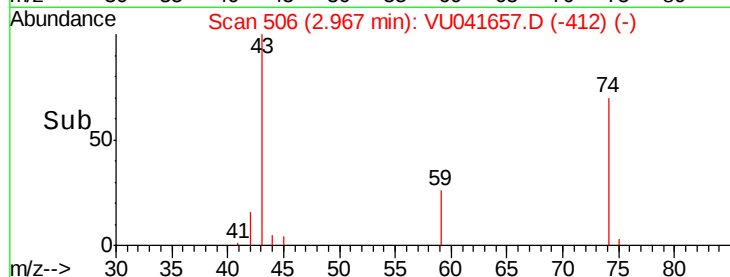
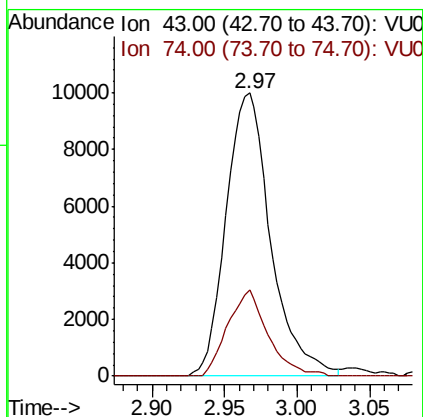
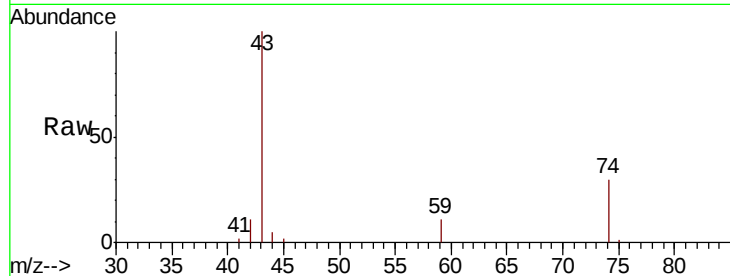




#15
Methyl Acetate
Concen: 7.609 ug/L
RT: 2.97 min Scan# 506
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

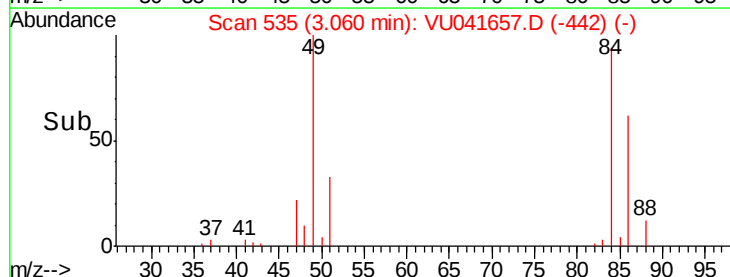
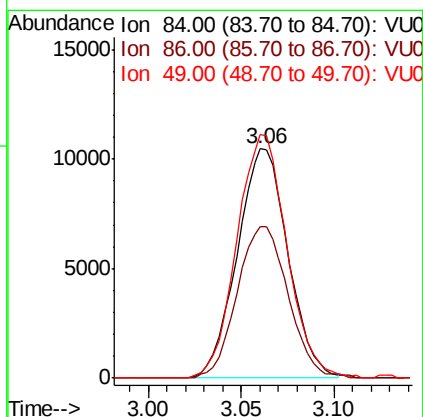
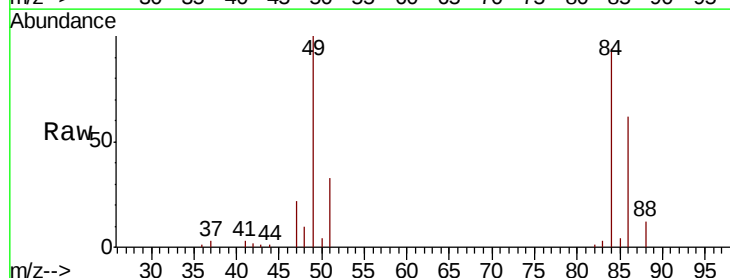
Instrument :
MSVOA_U
ClientSampled :

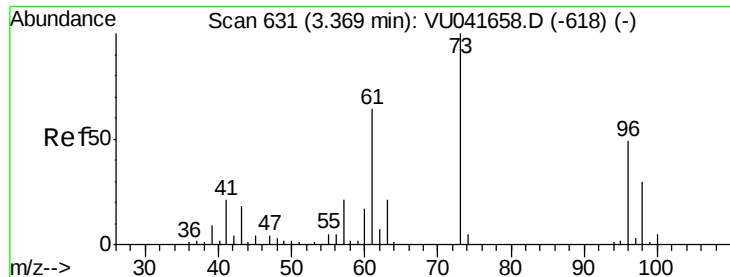
Tot Ion: 43 Resp: 21370
Ion Ratio Lower Upper
43 100
74 27.2 22.1 33.1



#16
Methylene chloride
Concen: 9.146 ug/L
RT: 3.06 min Scan# 535
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Tgt Ion: 84 Resp: 19971
Ion Ratio Lower Upper
84 100
86 66.4 44.0 81.6
49 106.3 75.0 139.4





#17

trans-1,2-Dichloroethene

Concen: 8.963 ug/L

RT: 3.37 min Scan# 632

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

Instrument :
MSVOA_U
ClientSampleId :

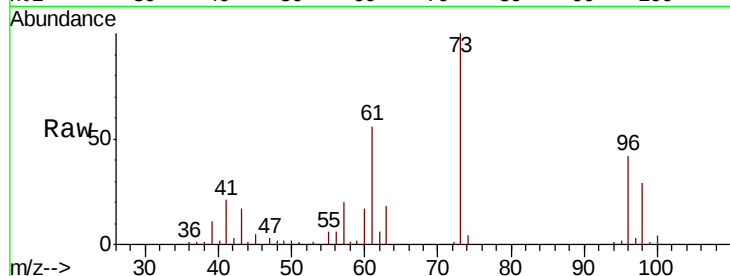
Tot Ion: 96 Resp: 17202

Ion Ratio Lower Upper

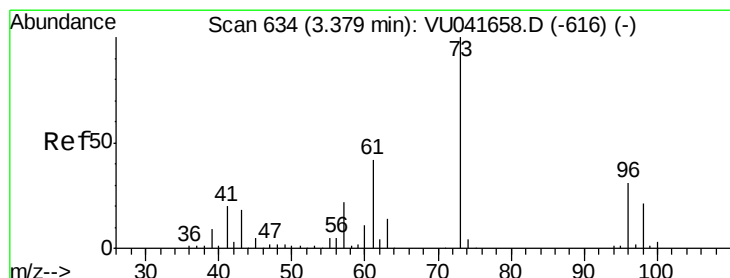
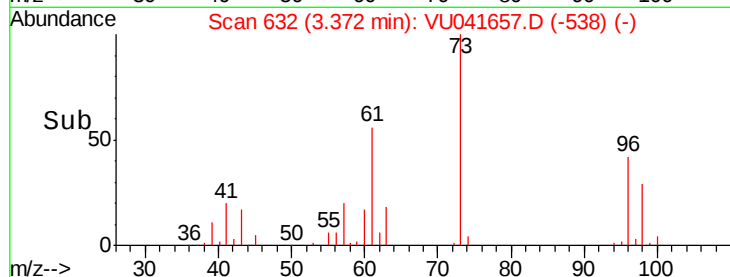
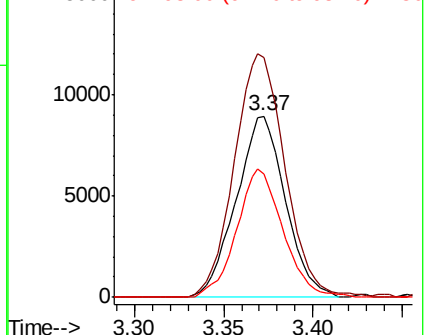
96 100

61 132.3 92.6 172.0

98 68.1 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VU0
Ion 61.00 (60.70 to 61.70): VU0
Ion 98.00 (97.70 to 98.70): VU0



#18

Methyl tert-butyl Ether

Concen: 8.471 ug/L

RT: 3.38 min Scan# 634

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

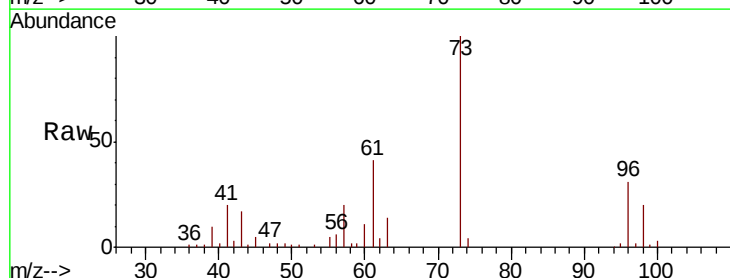
Tgt Ion: 73 Resp: 52719

Ion Ratio Lower Upper

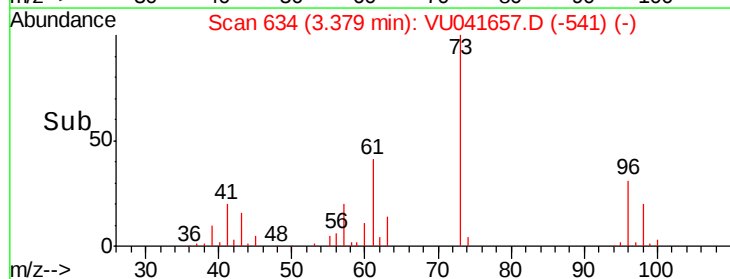
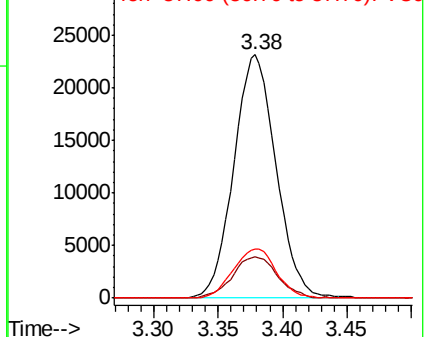
73 100

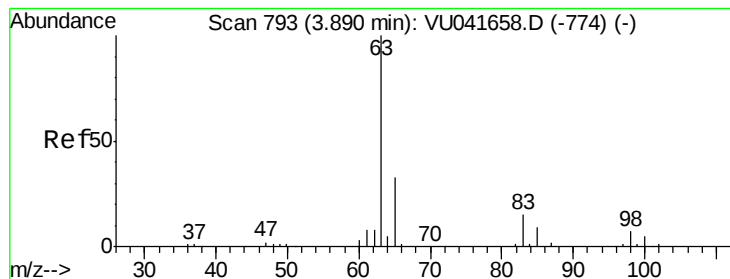
43 18.0 14.8 22.2

57 20.6 17.0 25.6



Abundance Ion 73.00 (72.70 to 73.70): VU0
Ion 43.00 (42.70 to 43.70): VU0
Ion 57.00 (56.70 to 57.70): VU0





#19

1,1-Dichloroethane

Concen: 8.015 ug/L

RT: 3.89 min Scan# 793

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

Instrument :

MSVOA_U

ClientSampleId :

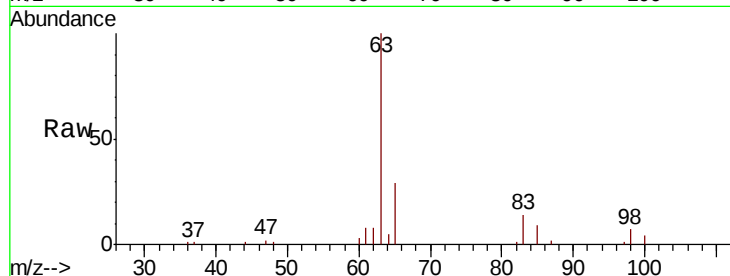
Tot Ion: 63 Resp: 31496

Ion Ratio Lower Upper

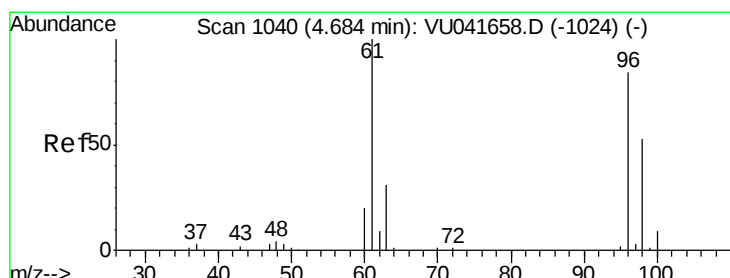
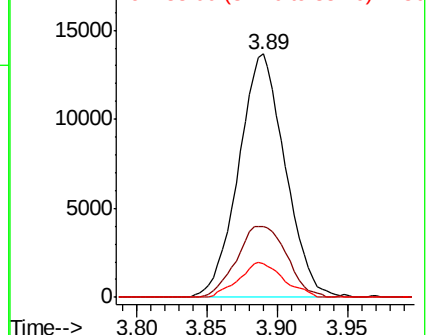
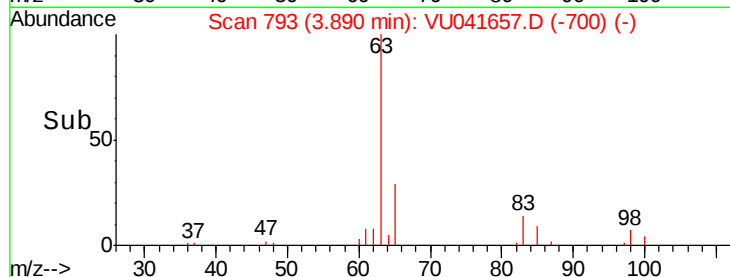
63 100

65 29.2 22.9 42.5

83 13.6 10.3 19.1



Abundance Ion 63.00 (62.70 to 63.70): VU041657.D (-700) (-)



#20

cis-1,2-Dichloroethene

Concen: 8.748 ug/L

RT: 4.68 min Scan# 1040

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

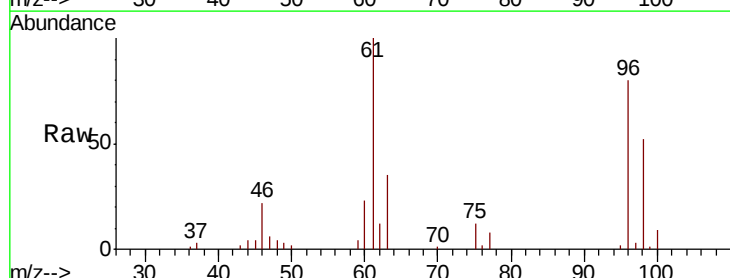
Tgt Ion: 96 Resp: 18390

Ion Ratio Lower Upper

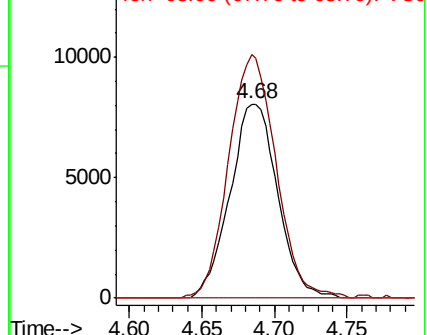
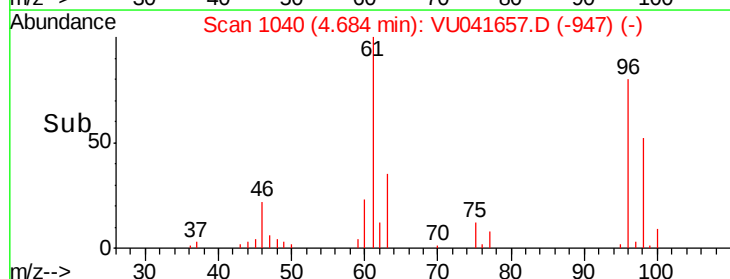
96 100

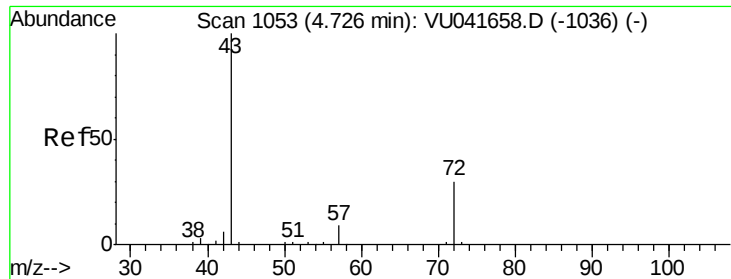
61 125.6 83.7 155.5

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VU041657.D (-947) (-)





#22

2-Butanone

Concen: 14.634 ug/L

RT: 4.73 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

Instrument :

MSVOA_U

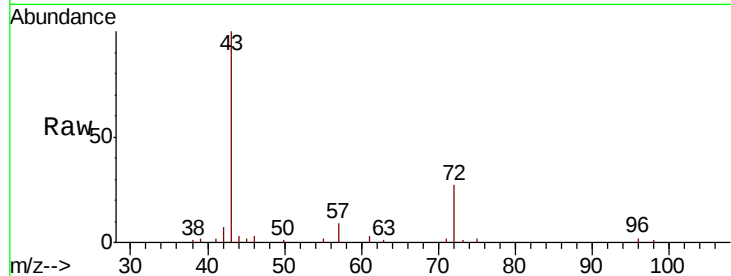
ClientSampled :

Tot Ion: 43 Resp: 31994

Ion Ratio Lower Upper

43 100

72 15.6 15.6 46.8



Abundance Ion 43.00 (42.70 to 43.70): VU041657.D (-1054) (-)

Ion 72.00 (71.70 to 72.70): VU041657.D (-1054) (-)

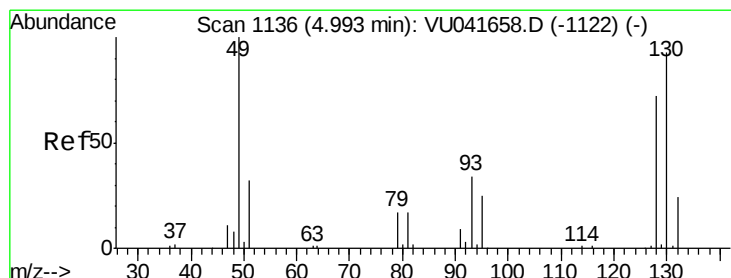
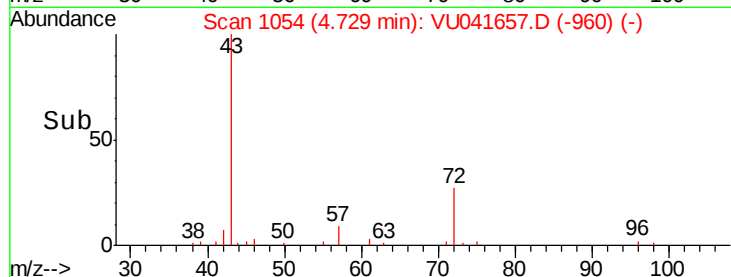
4.73

10000

5000

0

Time--> 4.60 4.70 4.80



#23

Bromochloromethane

Concen: 9.188 ug/L

RT: 4.99 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

Tgt Ion:128 Resp: 10204

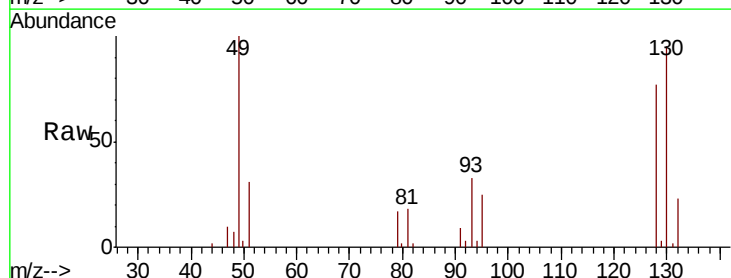
Ion Ratio Lower Upper

128 100

49 129.9 97.9 181.9

130 123.9 90.9 168.9

51 40.4 35.9 53.9



Abundance Ion 128.00 (127.70 to 128.70): VU041657.D (-1136) (-)

Ion 49.00 (48.70 to 49.70): VU041657.D (-1136) (-)

Ion 130.00 (129.70 to 130.70): VU041657.D (-1136) (-)

Ion 51.00 (50.70 to 51.70): VU041657.D (-1136) (-)

4.99

10000

8000

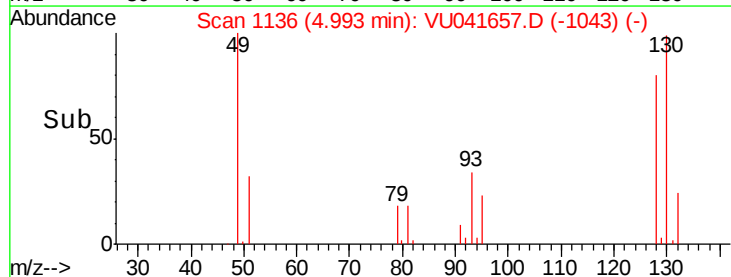
6000

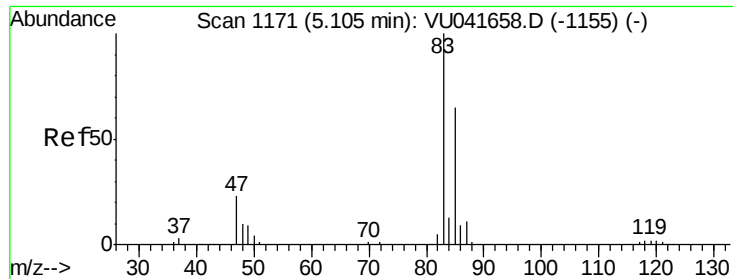
4000

2000

0

Time--> 4.95 5.00 5.05

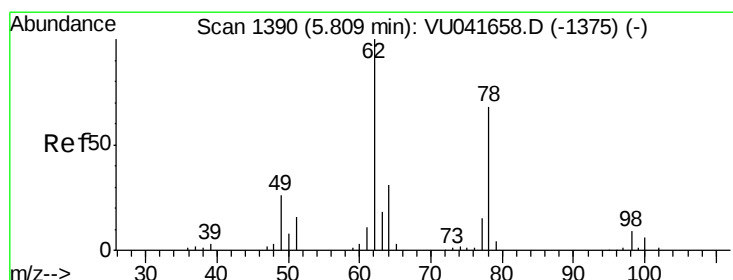
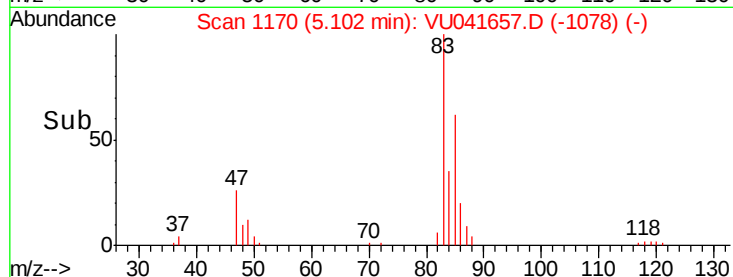
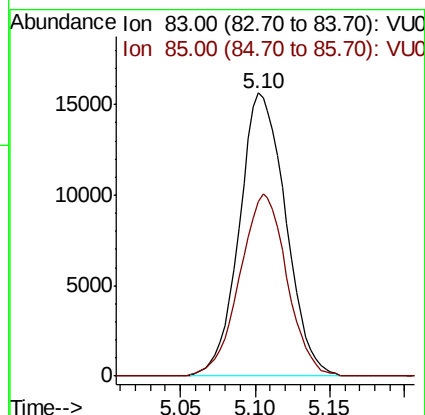
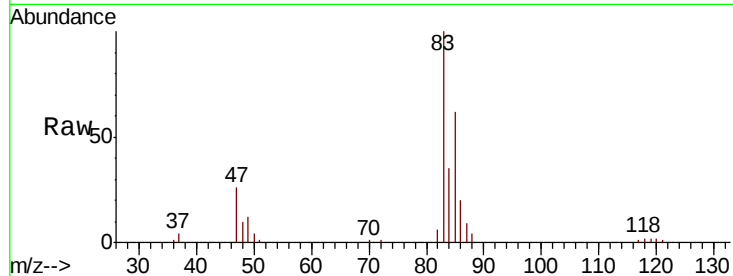




#25
Chloroform
Concen: 8.447 ug/L
RT: 5.10 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

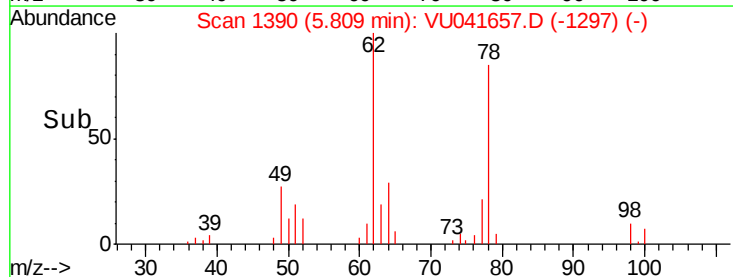
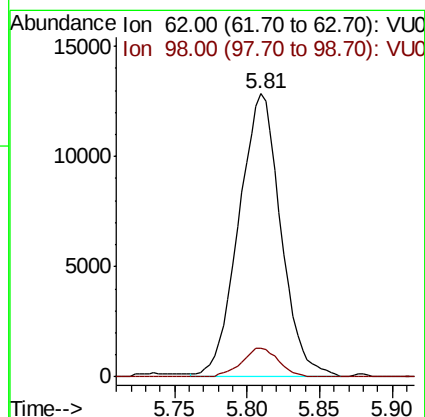
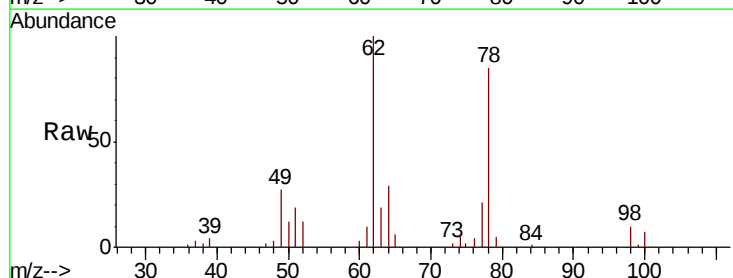
Instrument :
MSVOA_U
ClientSampleId :

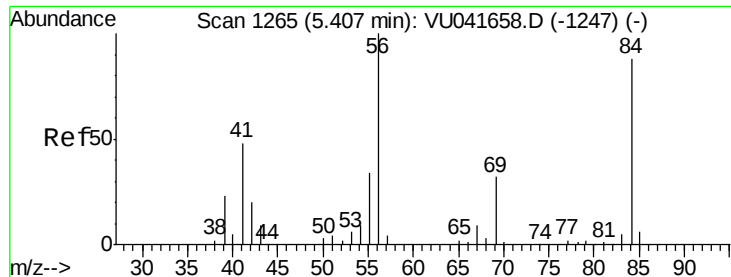
Tot Ion: 83 Resp: 33718
Ion Ratio Lower Upper
83 100
85 61.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 7.733 ug/L
RT: 5.81 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Tgt Ion: 62 Resp: 25959
Ion Ratio Lower Upper
62 100
98 10.3 7.1 10.7

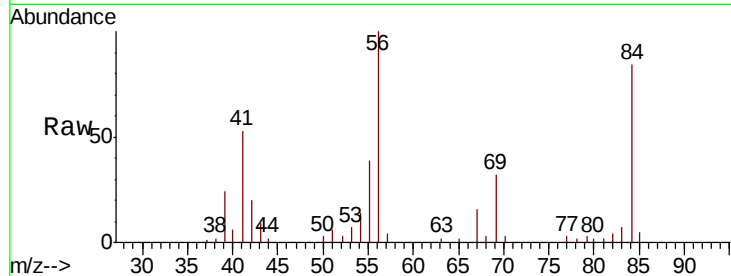




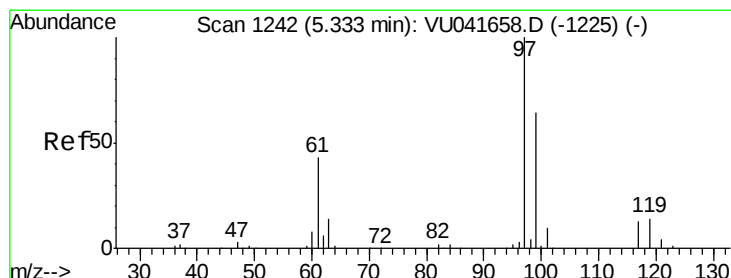
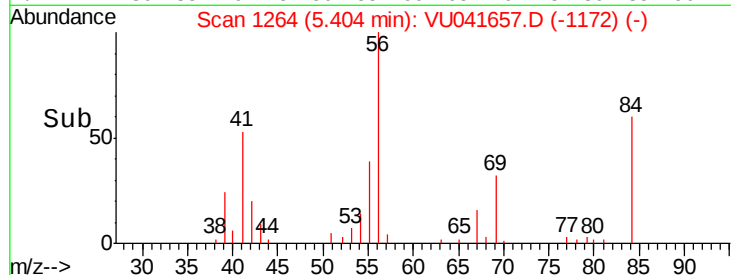
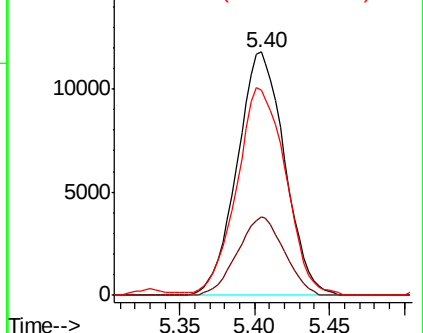
#29
Cyclohexane
Concen: 7.488 ug/L
RT: 5.40 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 56 Resp: 26040
Ion Ratio Lower Upper
56 100
69 31.7 25.0 37.6
84 88.2 72.6 109.0

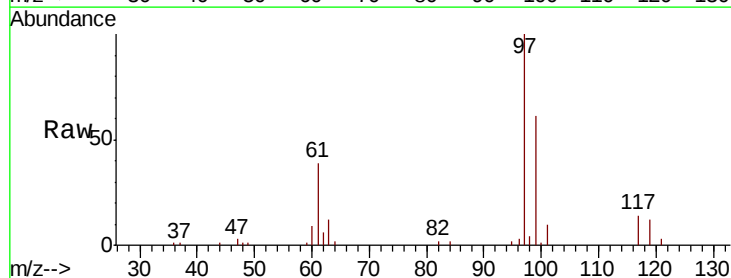


Abundance Ion 56.00 (55.70 to 56.70): VU0
Ion 69.00 (68.70 to 69.70): VU0
Ion 84.00 (83.70 to 84.70): VU0

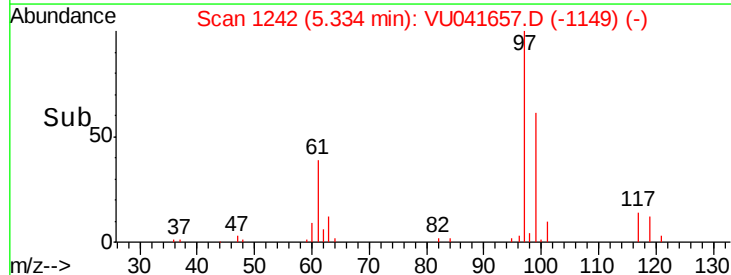
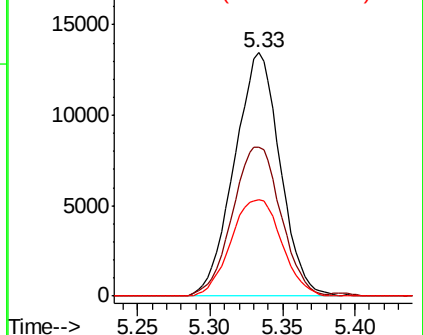


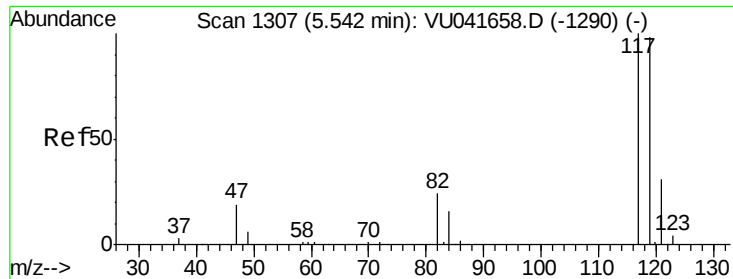
#30
1,1,1-Trichloroethane
Concen: 8.767 ug/L
RT: 5.33 min Scan# 1242
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Tgt Ion: 97 Resp: 29552
Ion Ratio Lower Upper
97 100
99 64.8 50.9 76.3
61 43.7 33.4 50.0



Abundance Ion 97.00 (96.70 to 97.70): VU0
Ion 99.00 (98.70 to 99.70): VU0
Ion 61.05 (60.75 to 61.75): VU0

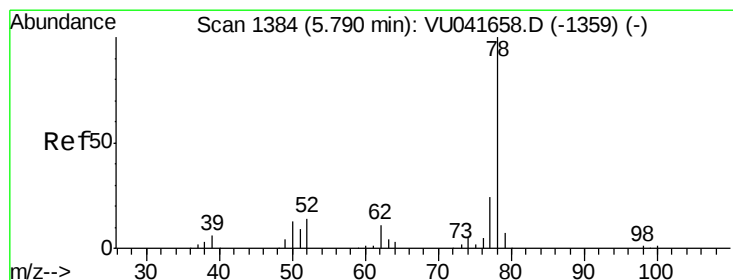
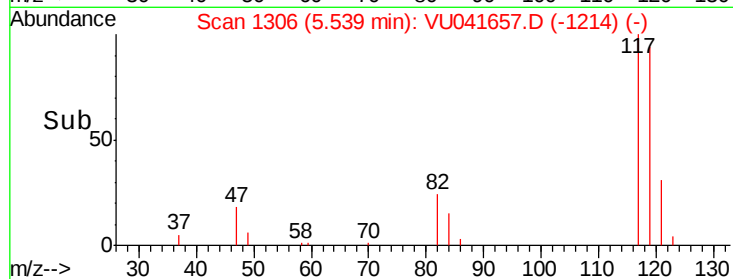
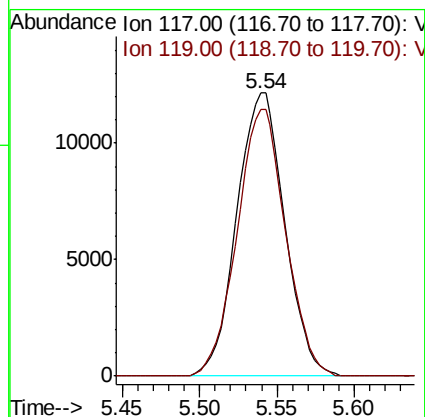
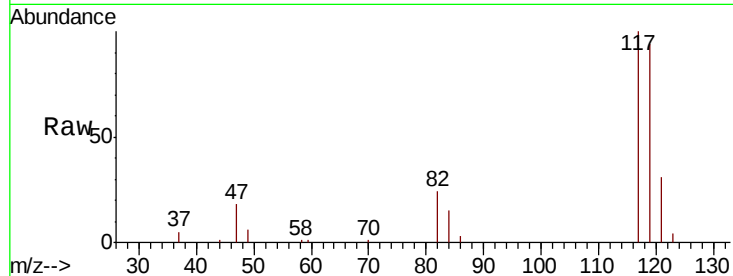




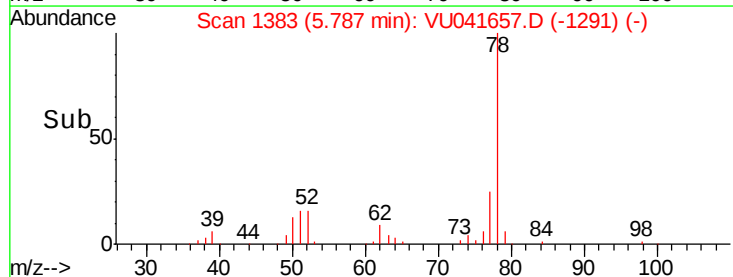
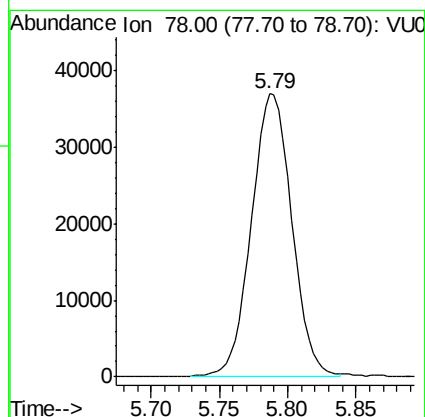
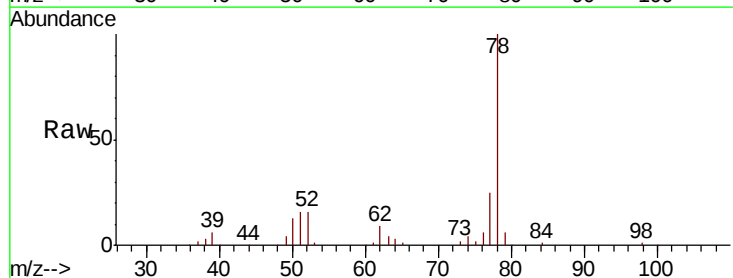
#31
Carbon tetrachloride
Concen: 8.938 ug/L
RT: 5.54 min Scan# 1306
Delta R.T. -0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

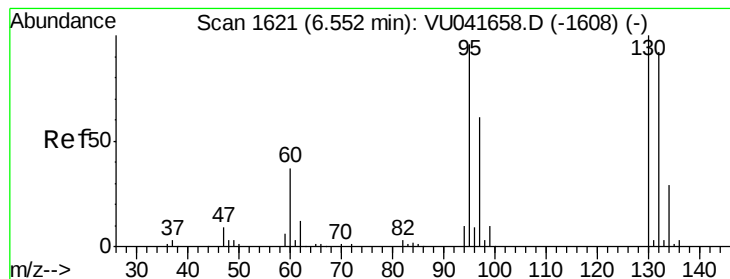
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:117 Resp: 26155
Ion Ratio Lower Upper
117 100
119 95.3 77.2 115.8



#33
Benzene
Concen: 8.842 ug/L
RT: 5.79 min Scan# 1383
Delta R.T. -0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36
Tgt Ion: 78 Resp: 75368





#34

Trichloroethene

Concen: 9.250 ug/L

RT: 6.56 min Scan# 1622

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

Instrument :

MSVOA_U

ClientSampleId :

Tot Ion: 95 Resp: 20413

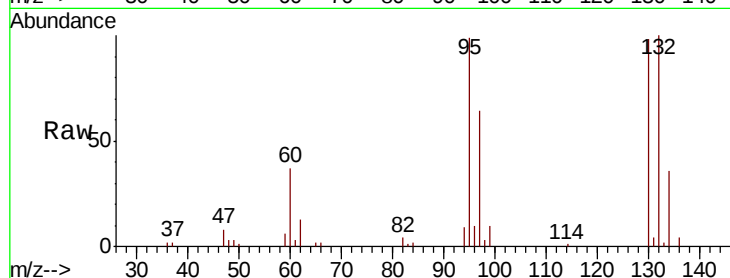
Ion Ratio Lower Upper

95 100

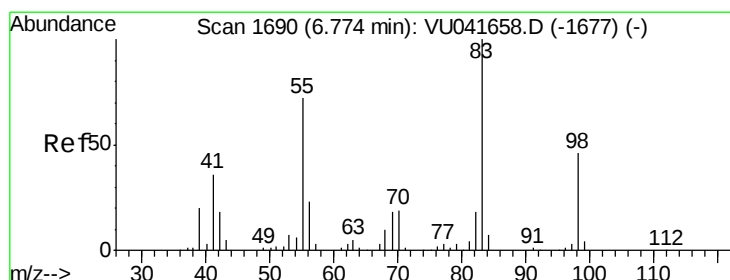
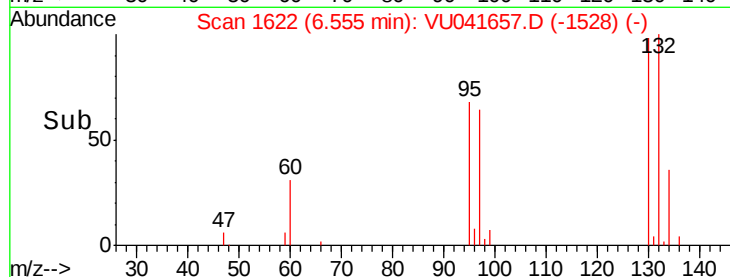
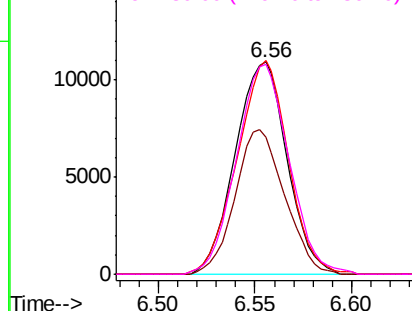
97 64.5 44.5 82.7

132 100.6 66.7 123.9

130 98.7 72.5 134.7



Abundance Ion 95.00 (94.70 to 95.70): VU0
Ion 97.00 (96.70 to 97.70): VU0
Ion 132.00 (131.70 to 132.70): V
Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 9.059 ug/L

RT: 6.77 min Scan# 1690

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

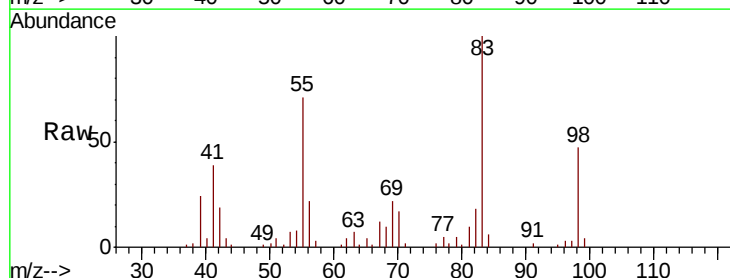
Tgt Ion: 83 Resp: 30764

Ion Ratio Lower Upper

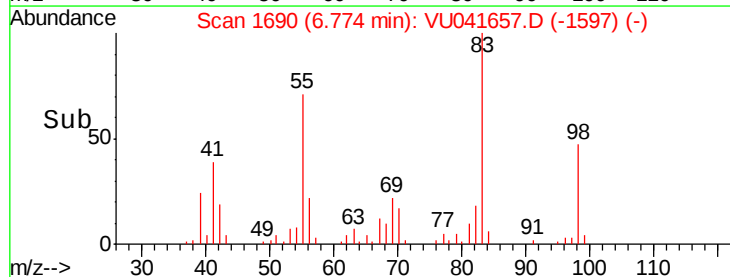
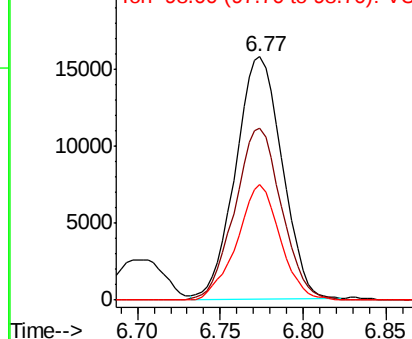
83 100

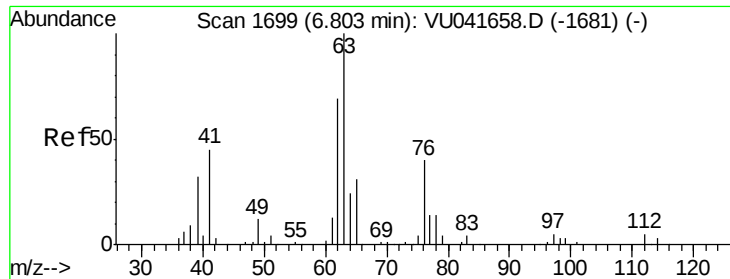
55 71.4 57.8 86.6

98 44.3 37.7 56.5



Abundance Ion 83.00 (82.70 to 83.70): VU0
Ion 55.00 (54.70 to 55.70): VU0
Ion 98.00 (97.70 to 98.70): VU0

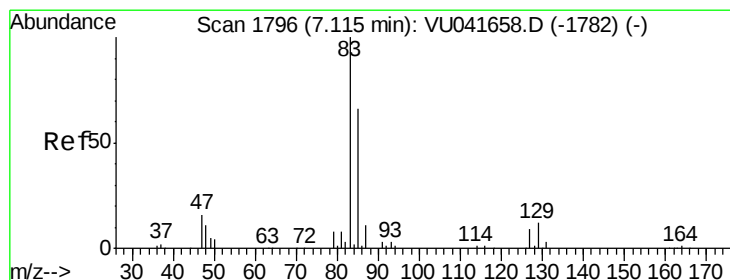
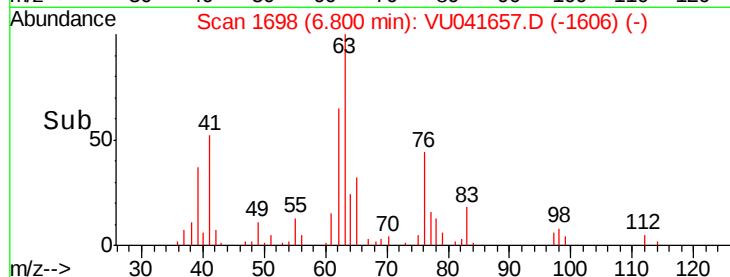
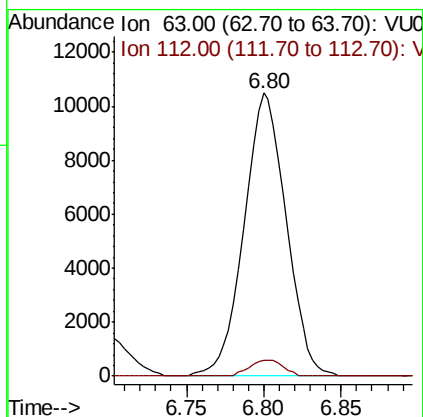
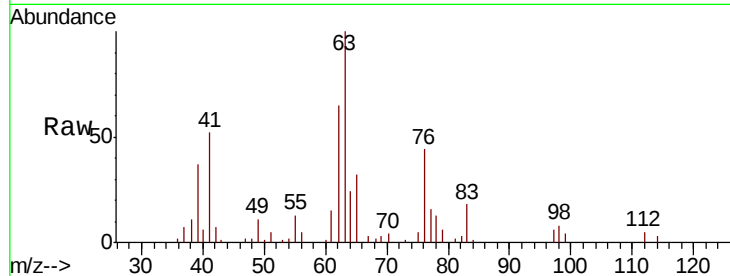




#37
 1,2-Dichloropropane
 Concen: 8.403 ug/L
 RT: 6.80 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

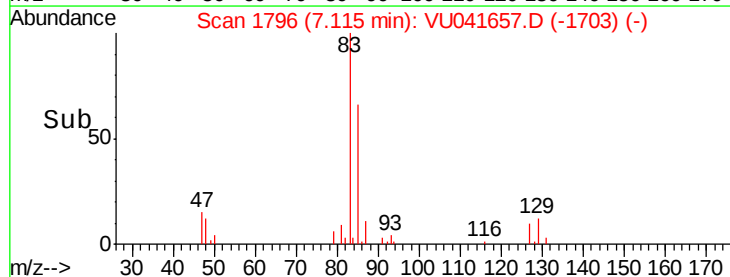
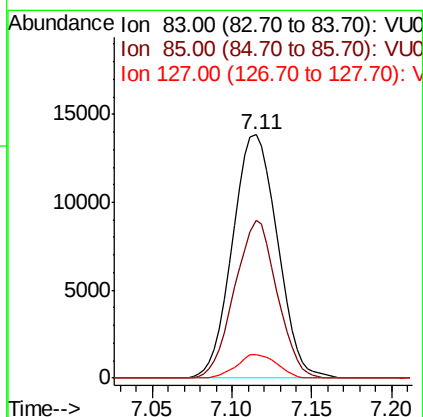
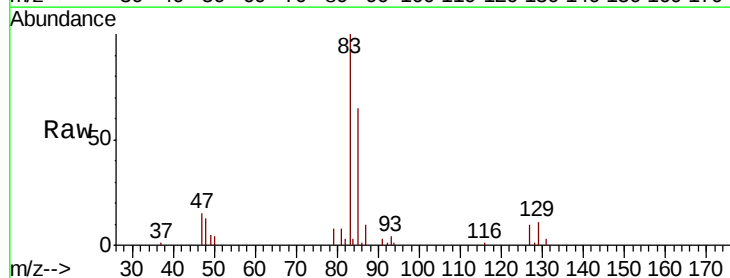
Instrument :
 MSVOA_U
 ClientSampled :

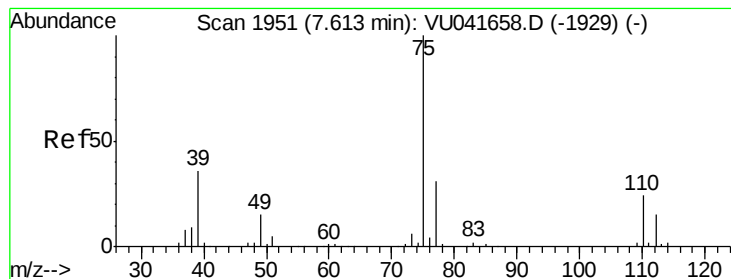
Tot Ion: 63 Resp: 19884
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.5 5.3



#38
 Bromodichloromethane
 Concen: 8.790 ug/L
 RT: 7.11 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Tgt Ion: 83 Resp: 26557
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.9 85.3
 127 9.8 7.5 11.3



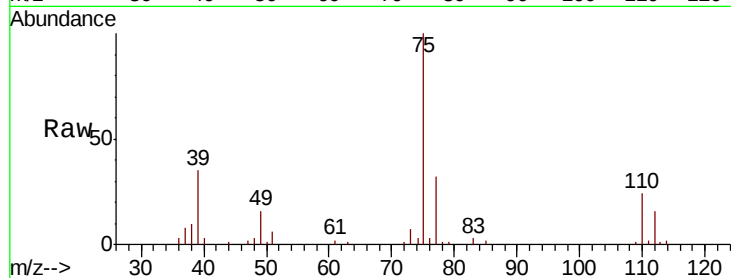


#39

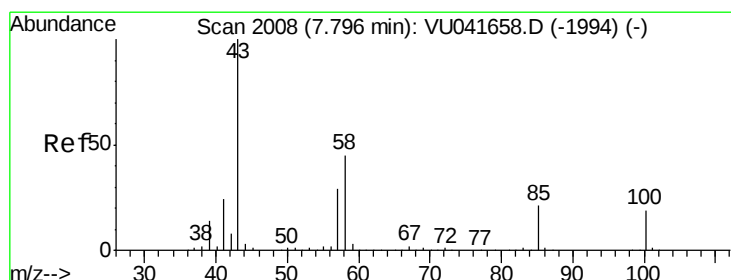
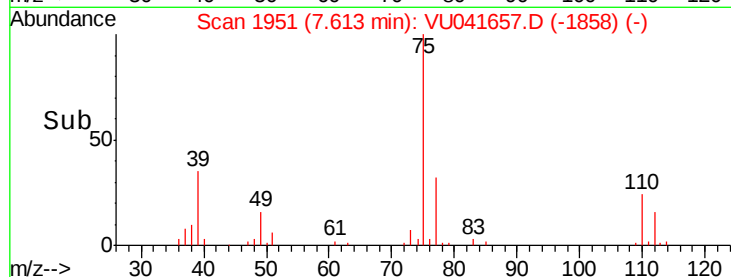
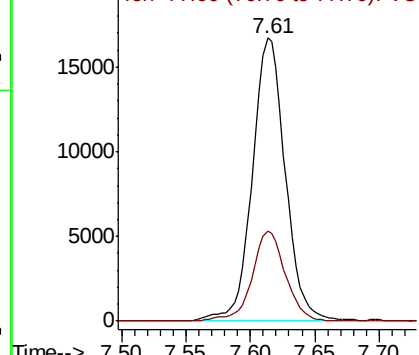
cis-1,3-Dichloropropene
Concen: 8.655 ug/L
RT: 7.61 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 75 Resp: 29860
Ion Ratio Lower Upper
75 100
77 31.9 21.4 39.8



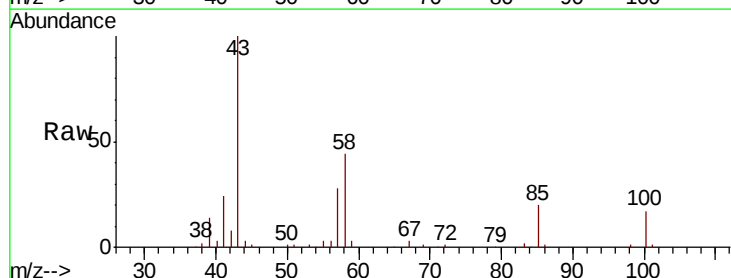
Abundance Ion 75.00 (74.70 to 75.70): VU041657.D (-1929) (-)
Ion 77.00 (76.70 to 77.70): VU041657.D (-1929) (-)



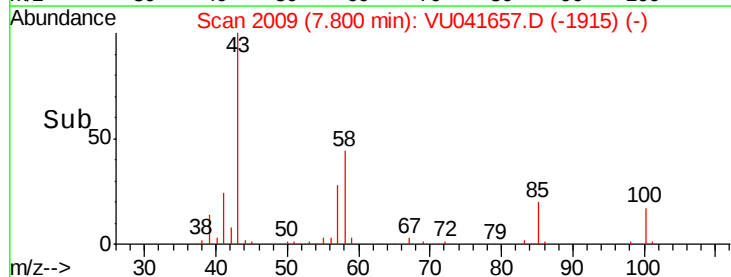
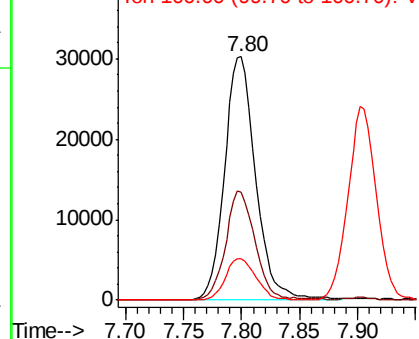
#40

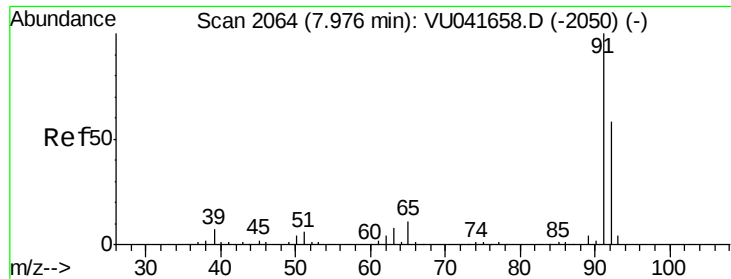
4-Methyl-2-pentanone
Concen: 15.207 ug/L
RT: 7.80 min Scan# 2009
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Tgt Ion: 43 Resp: 56546
Ion Ratio Lower Upper
43 100
58 41.7 36.1 54.1
100 16.8 14.9 22.3



Abundance Ion 43.00 (42.70 to 43.70): VU041657.D (-1994) (-)
Ion 58.00 (57.70 to 58.70): VU041657.D (-1994) (-)
Ion 100.00 (99.70 to 100.70): VU041657.D (-1994) (-)





#42

Toluene

Concen: 9.139 ug/L

RT: 7.98 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

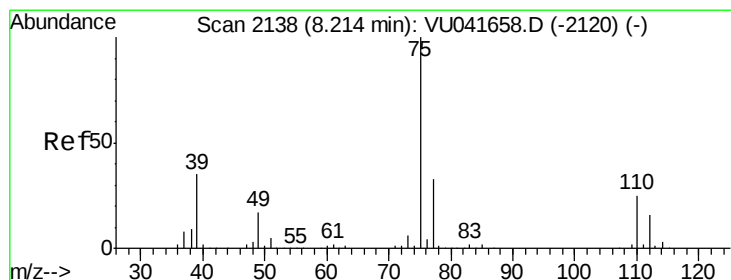
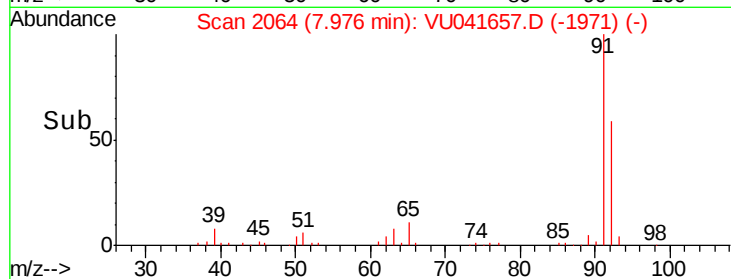
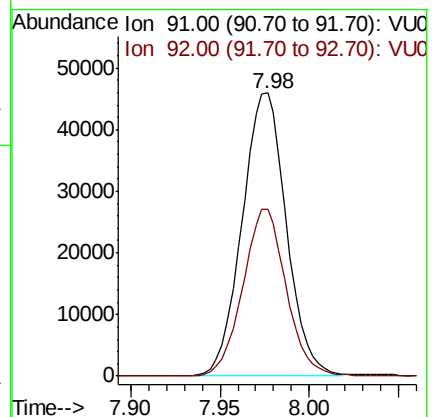
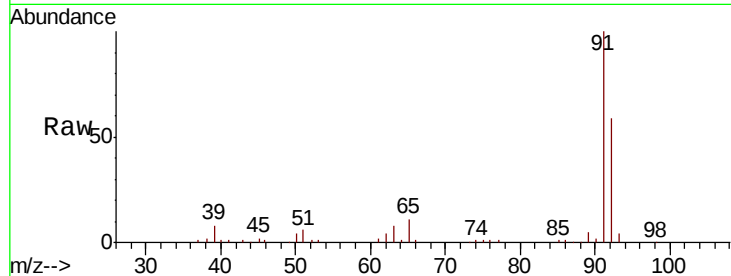
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 79750

Ion Ratio Lower Upper

91 100

92 59.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 8.254 ug/L

RT: 8.22 min Scan# 2139

Delta R.T. 0.00 min

Lab File: VU041657.D

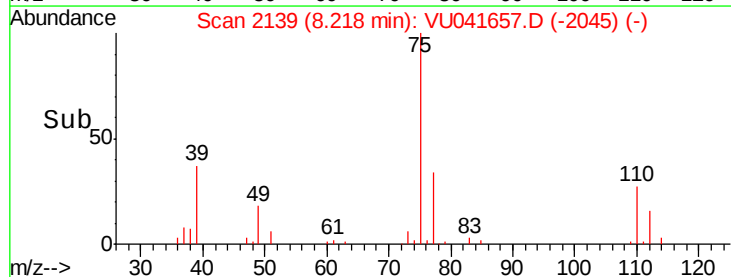
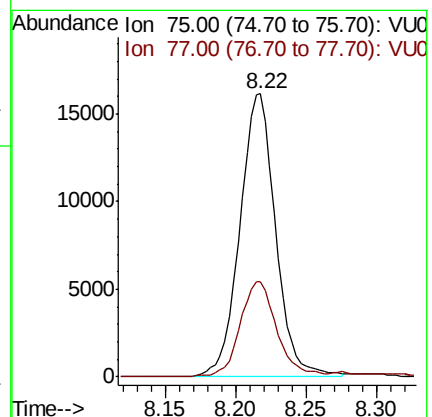
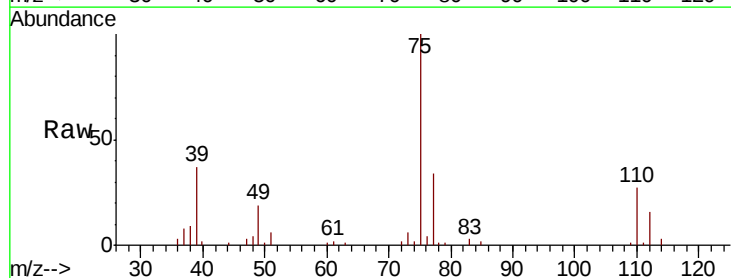
Acq: 16 Dec 2020 09:36

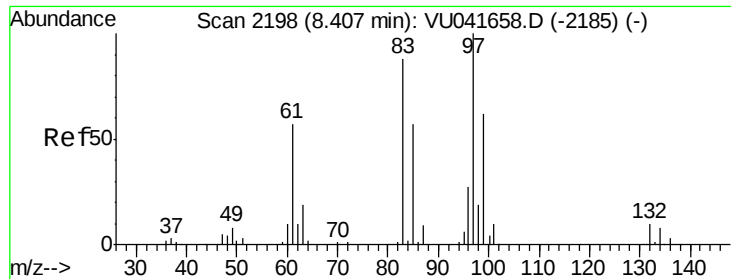
Tgt Ion: 75 Resp: 28713

Ion Ratio Lower Upper

75 100

77 33.5 23.0 42.6

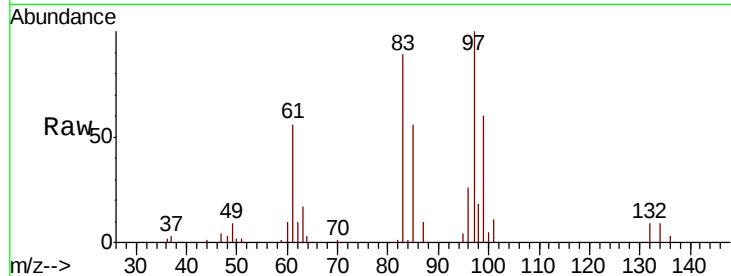




#45
1,1,2-Trichloroethane
Concen: 9.822 ug/L
RT: 8.40 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:	97	Resp:	20719
Ion	Ratio	Lower	Upper
97	100		
99	59.6	43.3	80.3
83	88.6	61.4	114.0
85	55.9	40.0	74.4



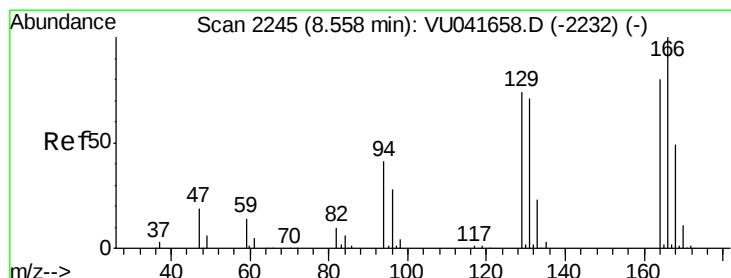
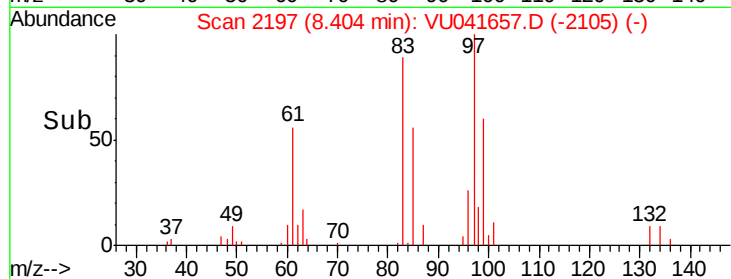
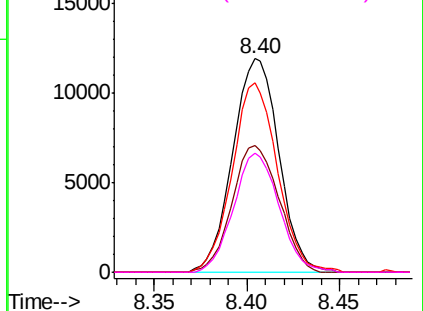
Abundance

Ion 97.00 (96.70 to 97.70): VU0

Ion 99.00 (98.70 to 99.70): VU0

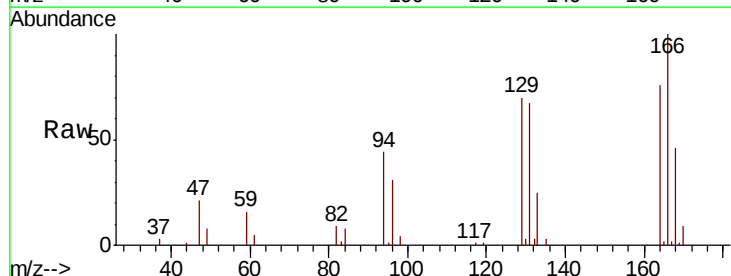
Ion 83.00 (82.70 to 83.70): VU0

Ion 85.00 (84.70 to 85.70): VU0



#46
Tetrachloroethene
Concen: 9.849 ug/L
RT: 8.56 min Scan# 2244
Delta R.T. -0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Tgt Ion:	164	Resp:	15685
Ion	Ratio	Lower	Upper
164	100		
129	91.8	64.5	119.9
131	88.1	62.5	116.1
166	131.4	87.5	162.5



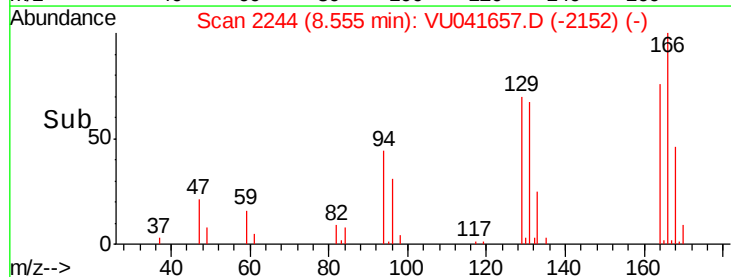
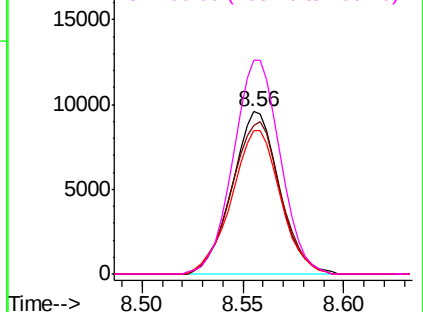
Abundance

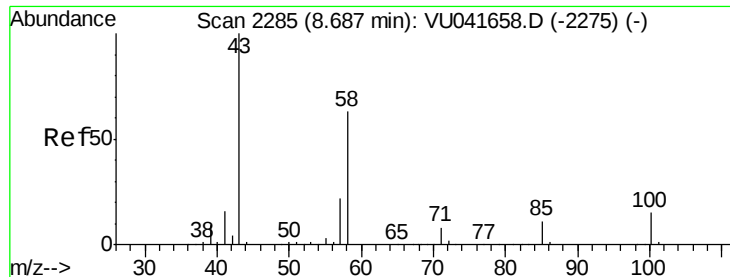
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

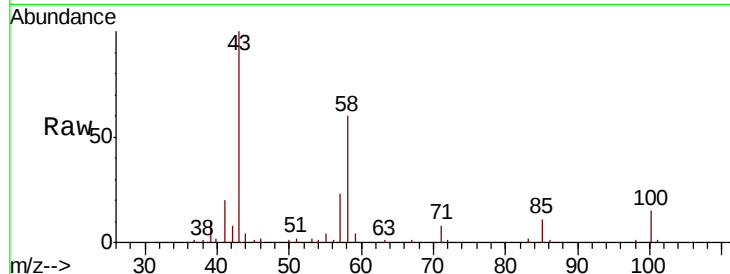




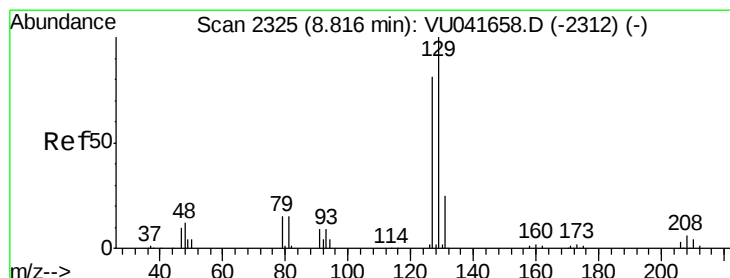
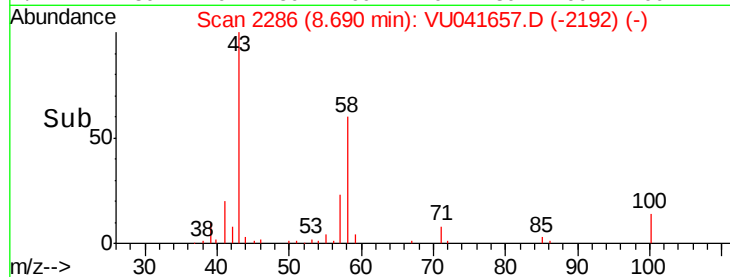
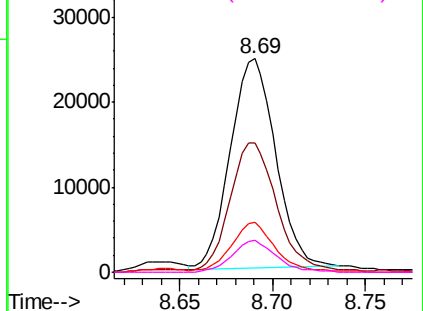
#48
2-Hexanone
Concen: 14.152 ug/L
RT: 8.69 min Scan# 2286
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 43 Resp: 42118
Ion Ratio Lower Upper
43 100
58 63.2 50.4 75.6
57 23.2 17.9 26.9
100 14.6 11.9 17.9

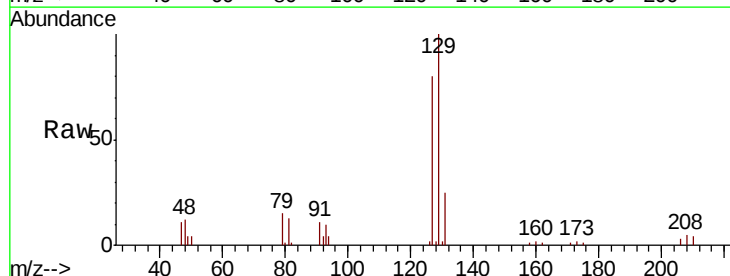


Abundance Ion 43.00 (42.70 to 43.70): VU041657.D (-2285) (-)
Ion 58.00 (57.70 to 58.70): VU041657.D (-2285) (-)
Ion 57.00 (56.70 to 57.70): VU041657.D (-2285) (-)
Ion 100.00 (99.70 to 100.70): VU041657.D (-2285) (-)

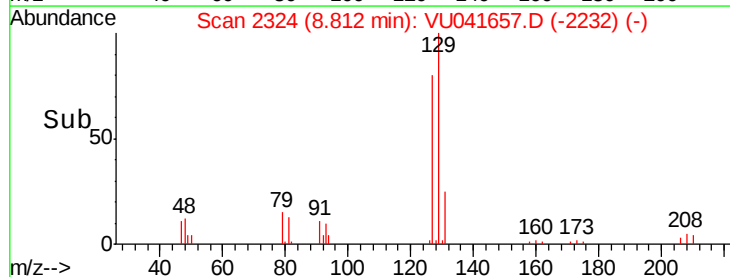
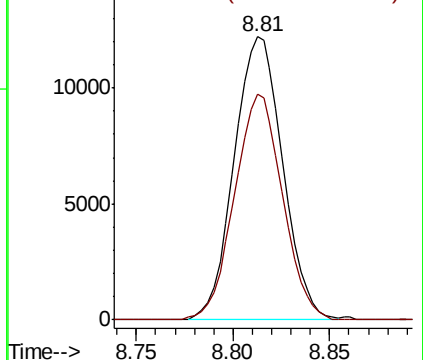


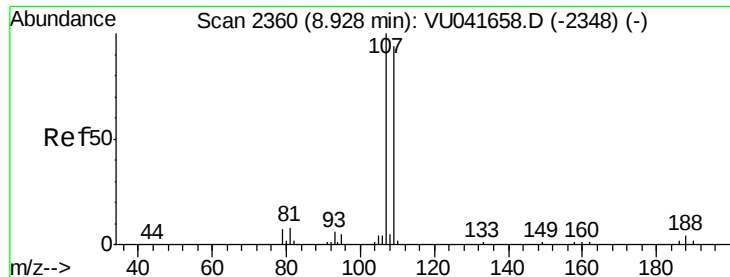
#49
Dibromochloromethane
Concen: 9.224 ug/L
RT: 8.81 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Tgt Ion: 129 Resp: 21290
Ion Ratio Lower Upper
129 100
127 80.0 56.6 105.2



Abundance Ion 129.00 (128.70 to 129.70): VU041657.D (-2325) (-)
Ion 127.00 (126.70 to 127.70): VU041657.D (-2325) (-)

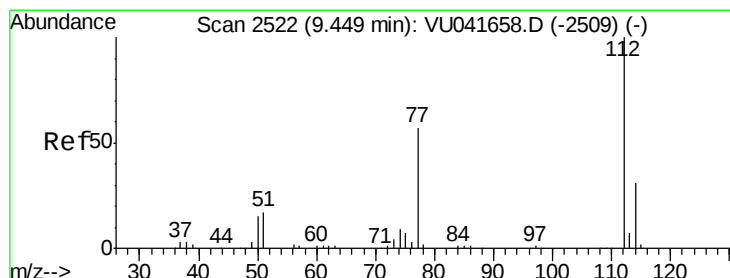
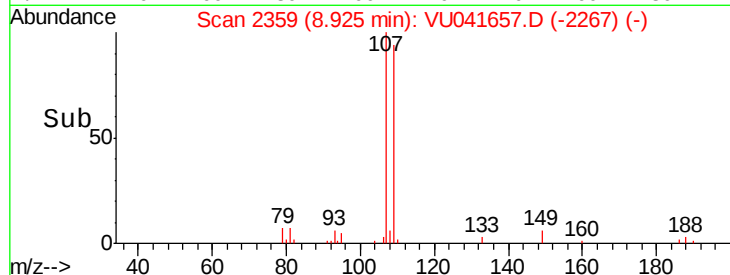
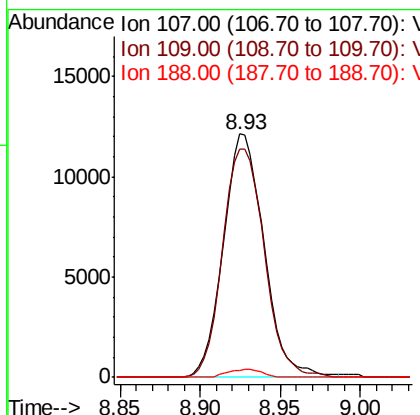
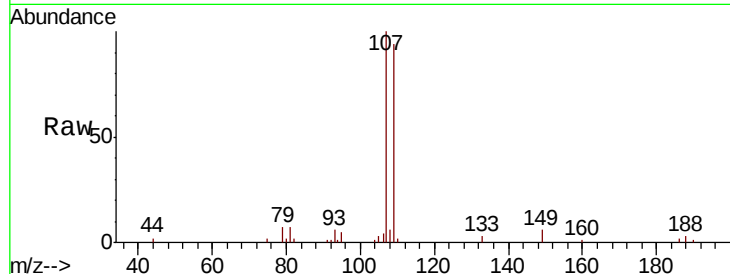




#50
 1,2-Dibromoethane
 Concen: 9.371 ug/L
 RT: 8.93 min Scan# 2359
 Delta R.T. -0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

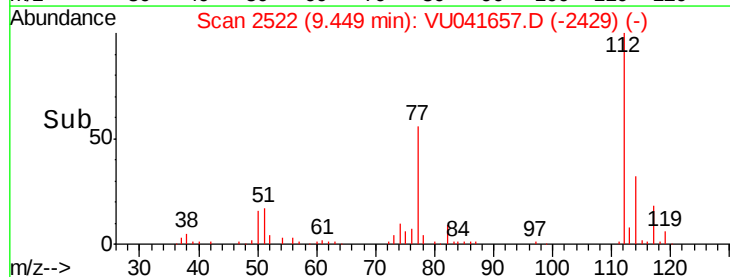
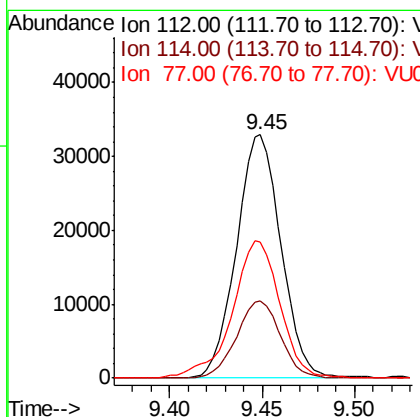
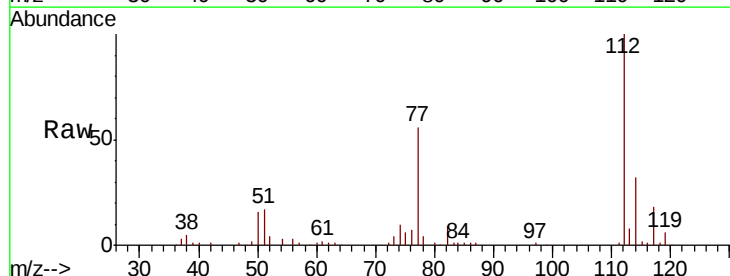
Instrument :
 MSVOA_U
 ClientSampleId :

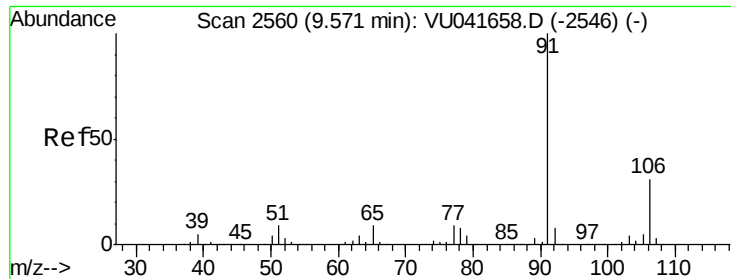
Tot Ion:107 Resp: 21091
 Ion Ratio Lower Upper
 107 100
 109 93.8 65.7 122.1
 188 2.8 2.9 4.3#



#51
 Chlorobenzene
 Concen: 9.562 ug/L
 RT: 9.45 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Tgt Ion:112 Resp: 54753
 Ion Ratio Lower Upper
 112 100
 114 31.7 22.0 41.0
 77 56.0 46.0 69.0





#52

Ethylbenzene

Concen: 8.729 ug/L

RT: 9.57 min Scan# 2560

Delta R.T. 0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

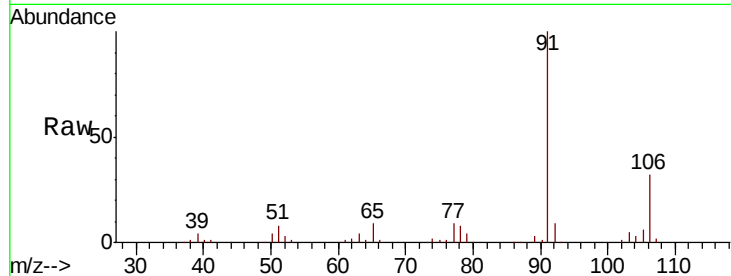
Instrument :
MSVOA_U
ClientSampleId :

Tot Ion: 91 Resp: 83680

Ion Ratio Lower Upper

91 100

106 31.8 21.5 39.9

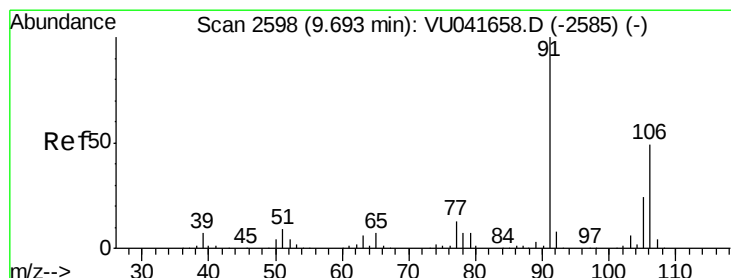
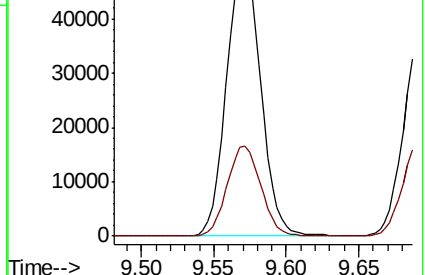
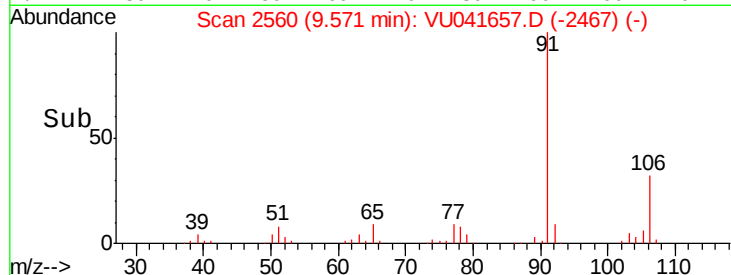


Abundance Ion 91.00 (90.70 to 91.70): VU041657.D (-2546) (-)

Ion 106.00 (105.70 to 106.70): VU041657.D (-2467) (-)

9.57

Time-->



#53

m,p-Xylene

Concen: 9.317 ug/L

RT: 9.69 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VU041657.D

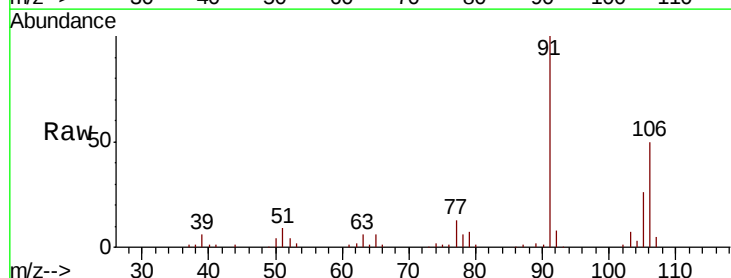
Acq: 16 Dec 2020 09:36

Tgt Ion: 106 Resp: 32803

Ion Ratio Lower Upper

106 100

91 198.5 143.2 266.0

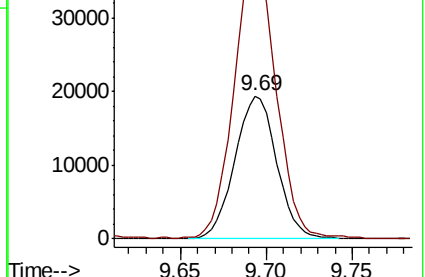
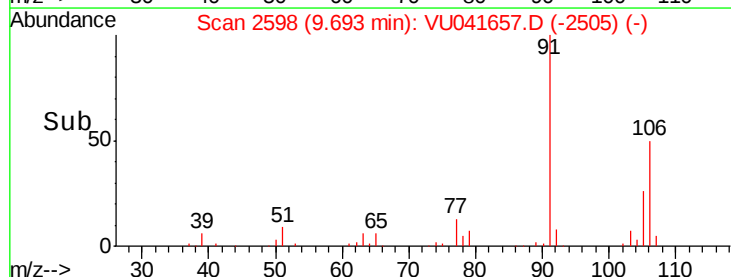


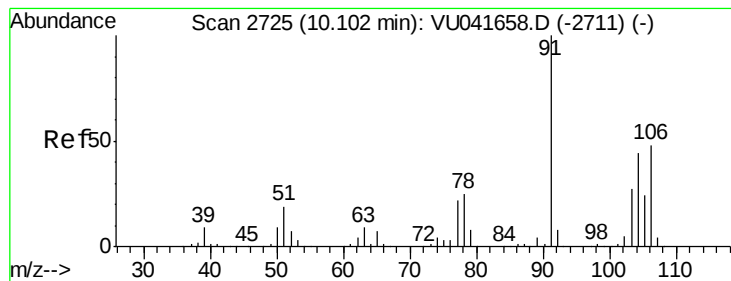
Abundance Ion 106.00 (105.70 to 106.70): VU041657.D (-2505) (-)

Ion 91.00 (90.70 to 91.70): VU041657.D (-2585) (-)

9.69

Time-->





#54

o-xylene

Concen: 9.032 ug/L

RT: 10.10 min Scan# 2724

Delta R.T. -0.00 min

Lab File: VU041657.D

Acq: 16 Dec 2020 09:36

Instrument :

MSVOA_U

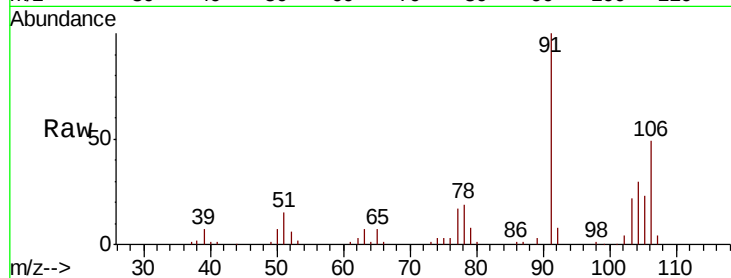
ClientSampled :

Tot Ion:106 Resp: 31095

Ion Ratio Lower Upper

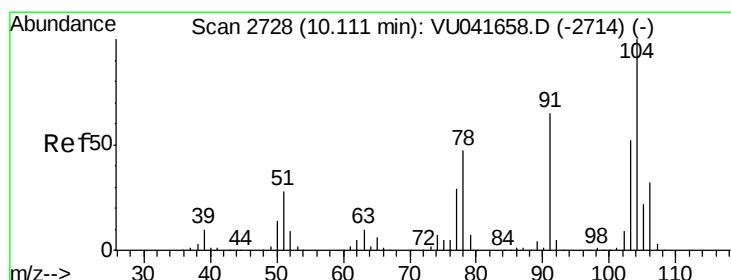
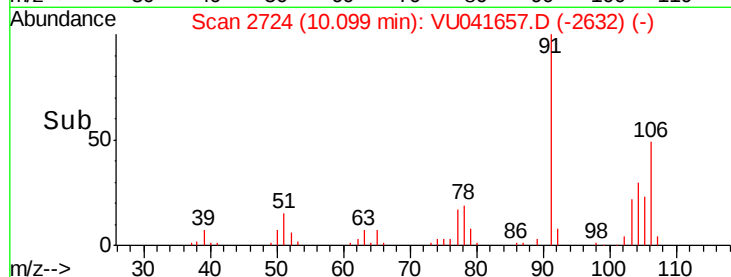
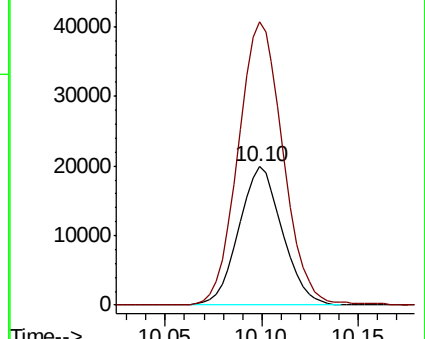
106 100

91 204.6 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VU0



#55

Styrene

Concen: 8.866 ug/L

RT: 10.11 min Scan# 2729

Delta R.T. 0.00 min

Lab File: VU041657.D

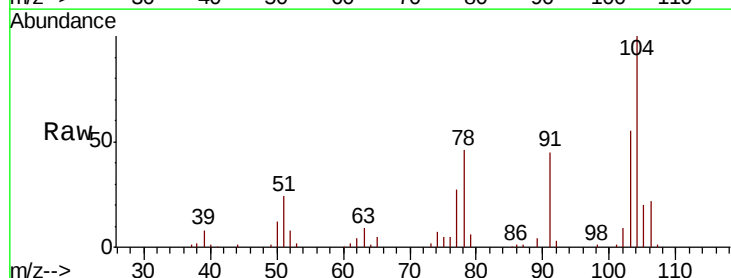
Acq: 16 Dec 2020 09:36

Tgt Ion:104 Resp: 51955

Ion Ratio Lower Upper

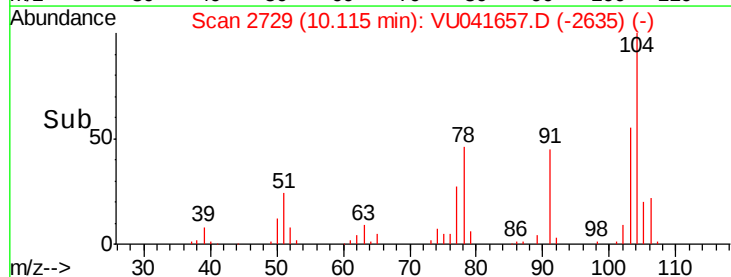
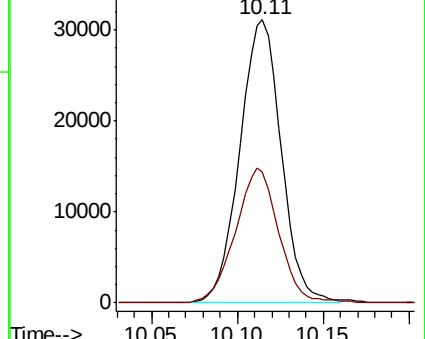
104 100

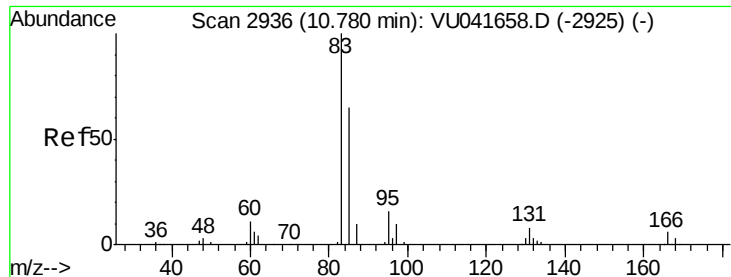
78 46.2 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VU0

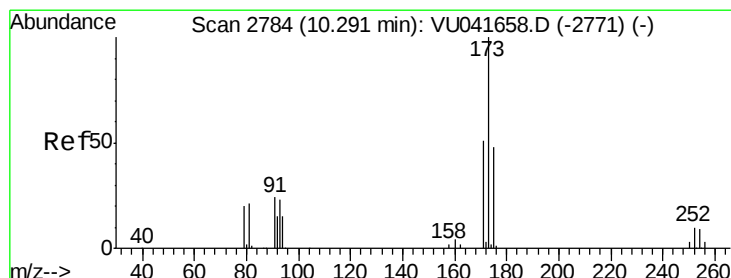
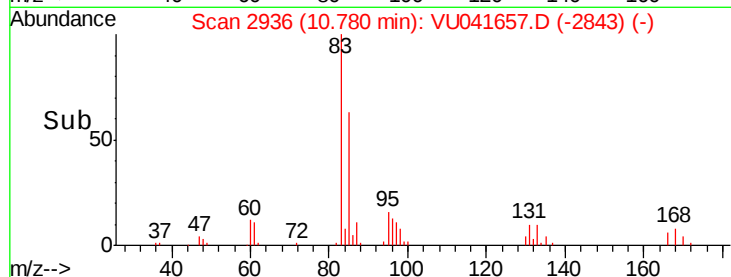
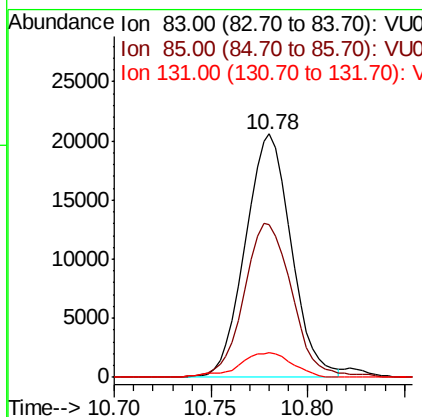
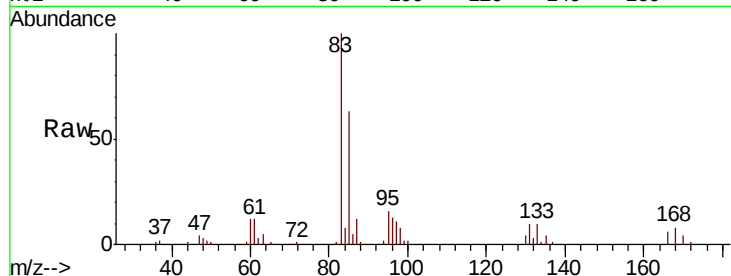




#57
 1,1,2,2-Tetrachloroethane
 Concen: 9.267 ug/L
 RT: 10.78 min Scan# 2936
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

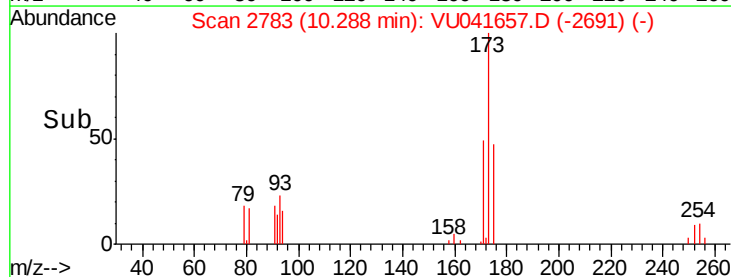
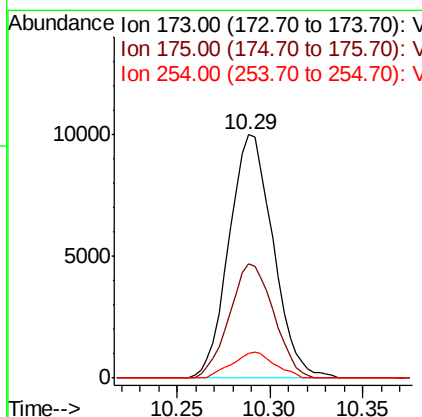
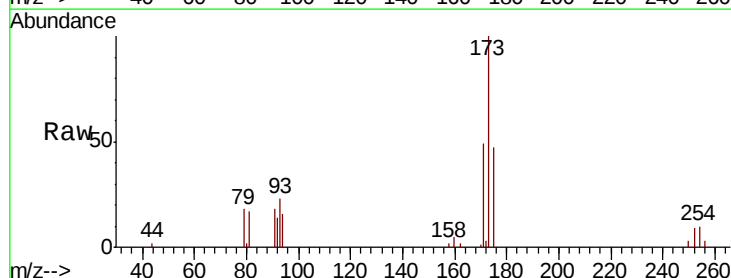
Instrument :
 MSVOA_U
 ClientSampled :

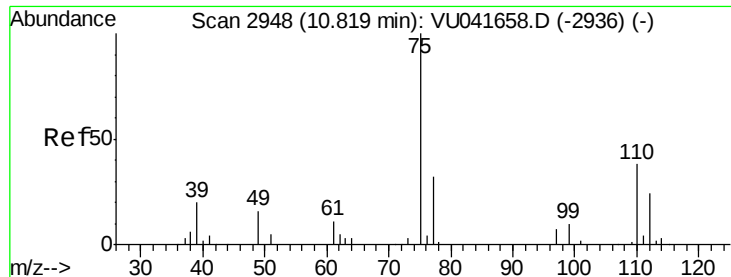
Tot Ion: 83 Resp: 34034
 Ion Ratio Lower Upper
 83 100
 85 62.5 46.1 85.7
 131 10.1 7.5 11.3



#59
 Bromoform
 Concen: 10.606 ug/L
 RT: 10.29 min Scan# 2783
 Delta R.T. -0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Tgt Ion: 173 Resp: 16578
 Ion Ratio Lower Upper
 173 100
 175 47.0 38.3 57.5
 254 10.3 7.6 11.4

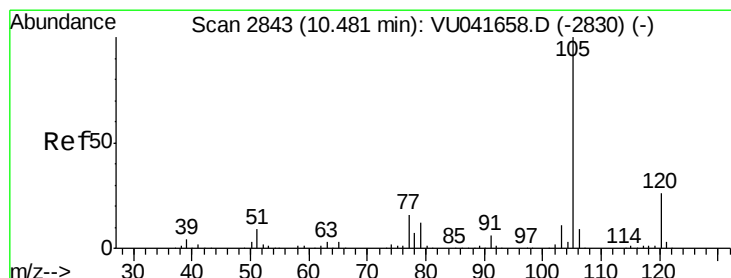
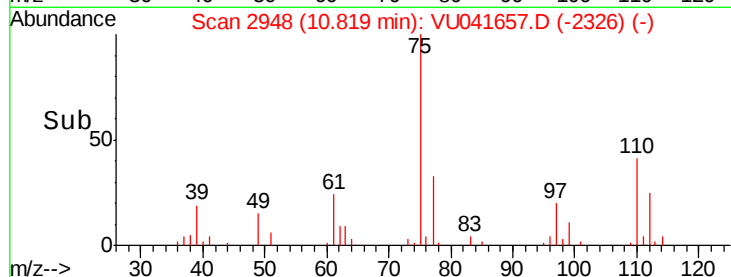
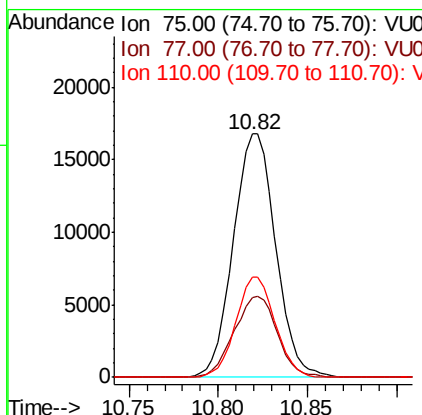
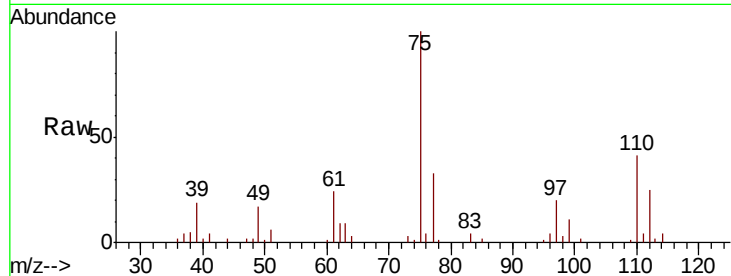




#60
 1,2,3-Trichloropropane
 Concen: 9.386 ug/L
 RT: 10.82 min Scan# 2948
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

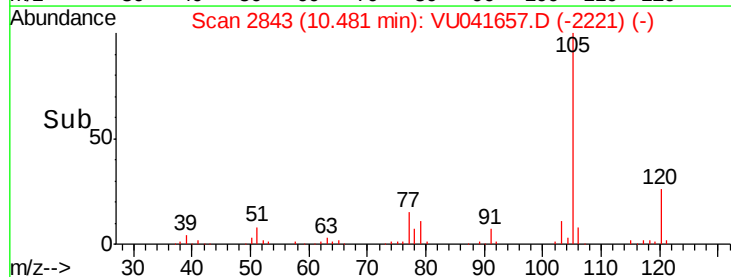
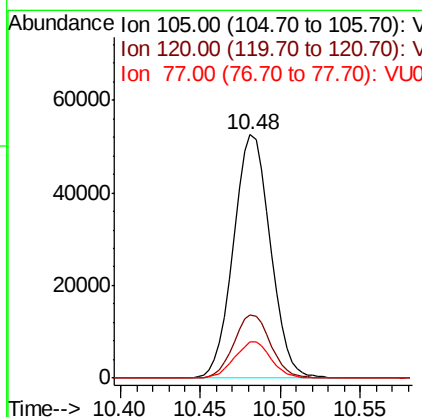
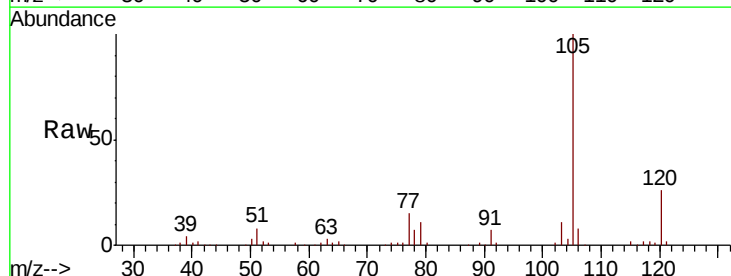
Instrument :
 MSVOA_U
 ClientSampleId :

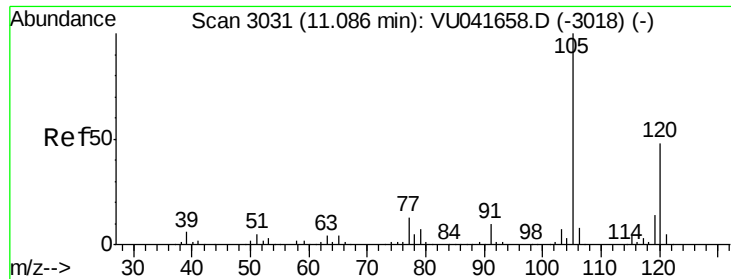
Tot Ion: 75 Resp: 27869
 Ion Ratio Lower Upper
 75 100
 77 34.1 25.2 37.8
 110 38.1 30.5 45.7



#61
 Isopropylbenzene
 Concen: 9.454 ug/L
 RT: 10.48 min Scan# 2843
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Tgt Ion: 105 Resp: 82476
 Ion Ratio Lower Upper
 105 100
 120 25.7 20.7 31.1
 77 14.8 12.6 18.8

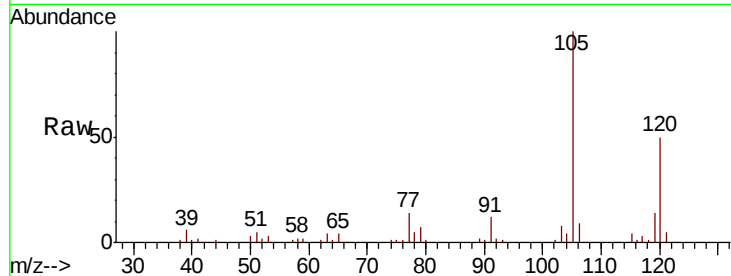




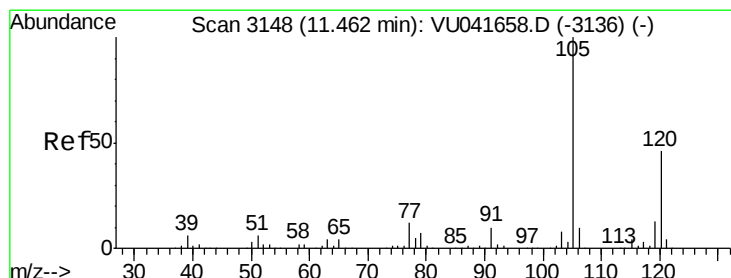
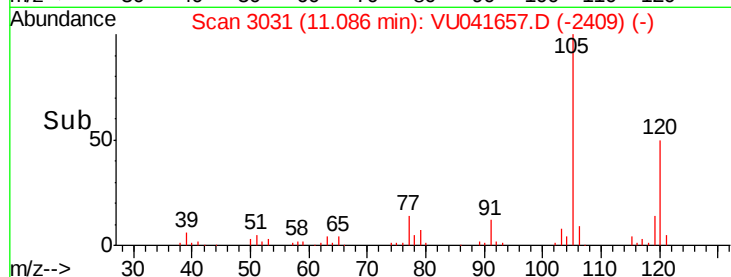
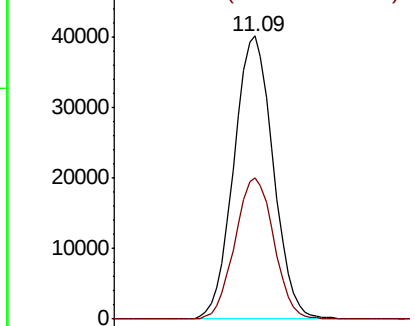
#62
 1,3,5-Trimethylbenzene
 Concen: 8.923 ug/L
 RT: 11.09 min Scan# 3031
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Instrument :
 MSVOA_U
 ClientSampleId :

Tot Ion:105 Resp: 63722
 Ion Ratio Lower Upper
 105 100
 120 49.3 38.6 58.0

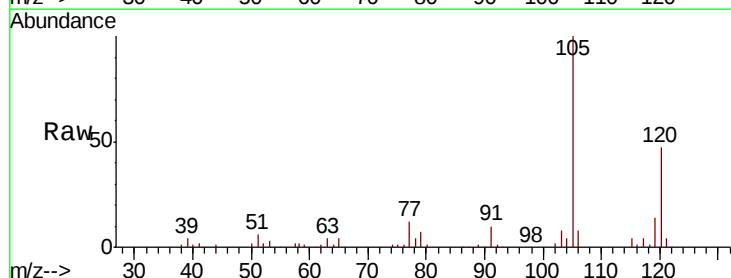


Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

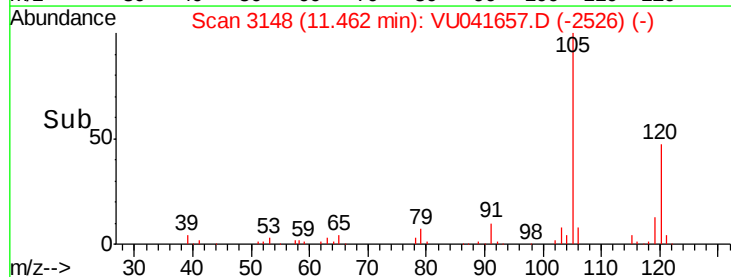
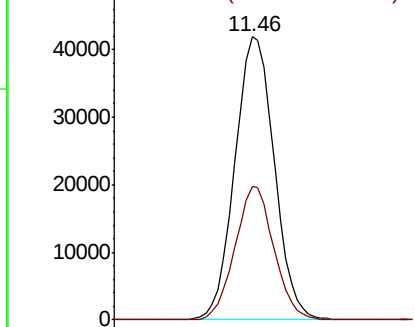


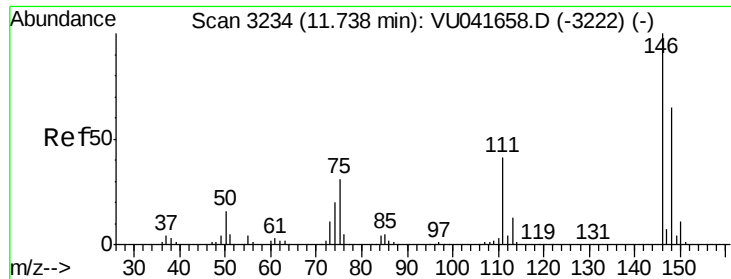
#63
 1,2,4-Trimethylbenzene
 Concen: 8.932 ug/L
 RT: 11.46 min Scan# 3148
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Tgt Ion:105 Resp: 64436
 Ion Ratio Lower Upper
 105 100
 120 46.5 36.5 54.7



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

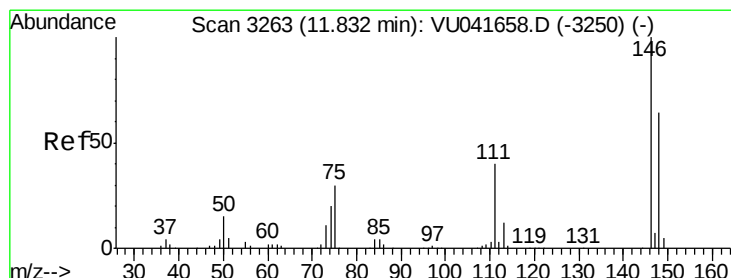
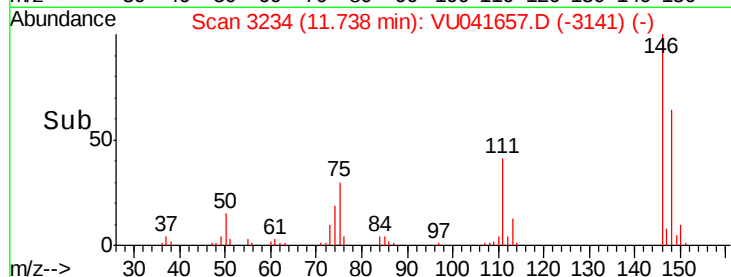
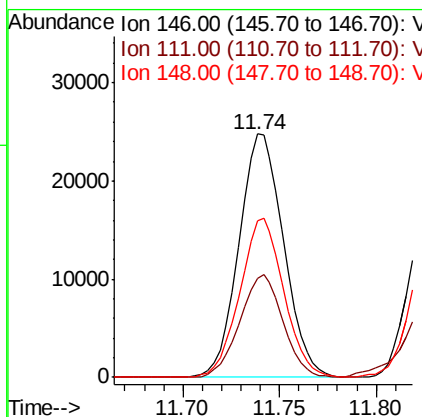
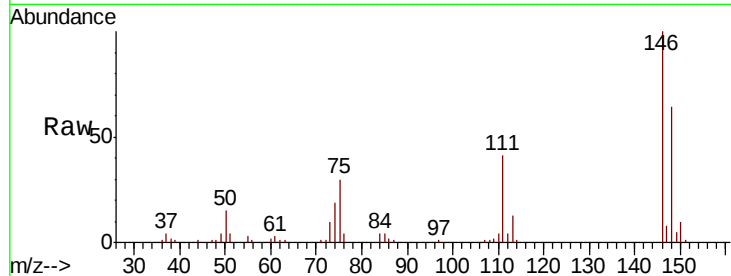




#64
 1,3-Dichlorobenzene
 Concen: 9.573 ug/L
 RT: 11.74 min Scan# 3234
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

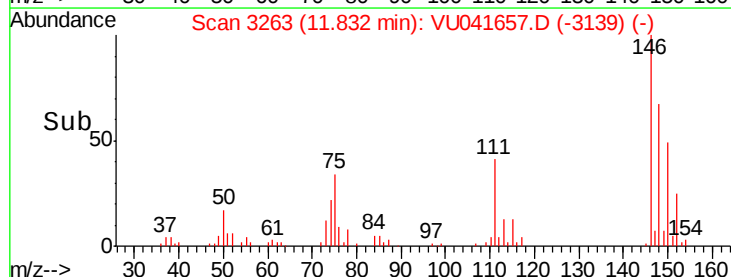
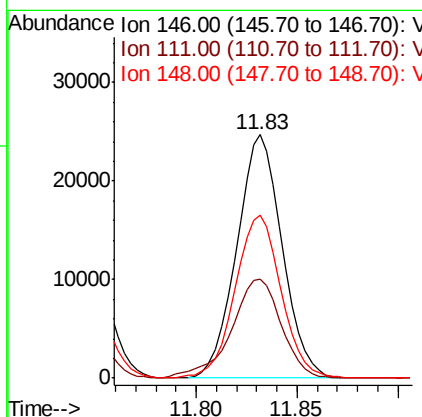
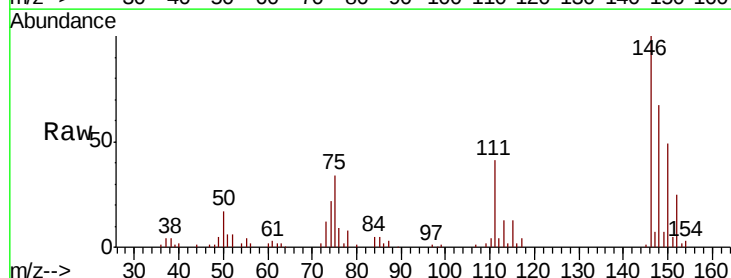
Instrument :
 MSVOA_U
 ClientSampleId :

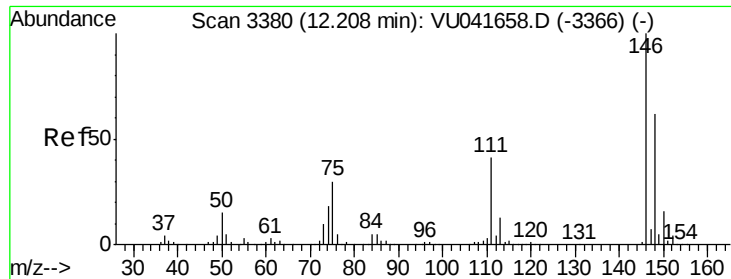
Tot Ion:146 Resp: 39702
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.7 53.3
 148 64.2 45.5 84.5



#65
 1,4-Dichlorobenzene
 Concen: 9.104 ug/L
 RT: 11.83 min Scan# 3263
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Tgt Ion:146 Resp: 38856
 Ion Ratio Lower Upper
 146 100
 111 40.7 28.1 52.1
 148 66.7 44.8 83.2

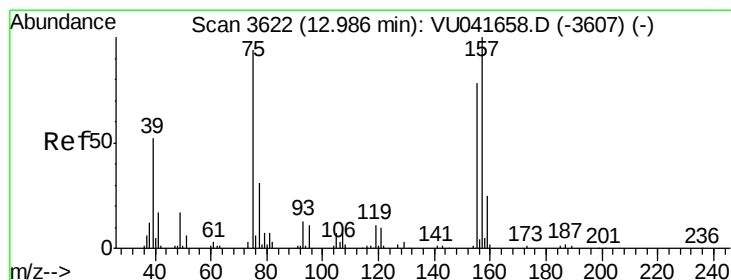
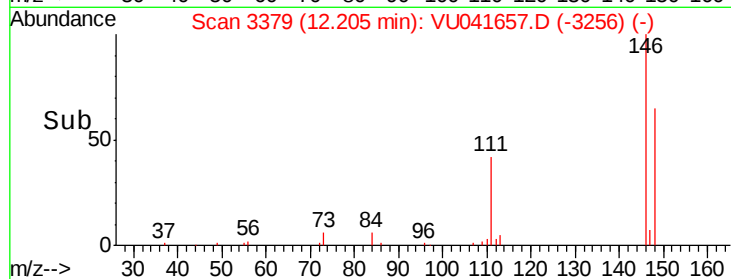
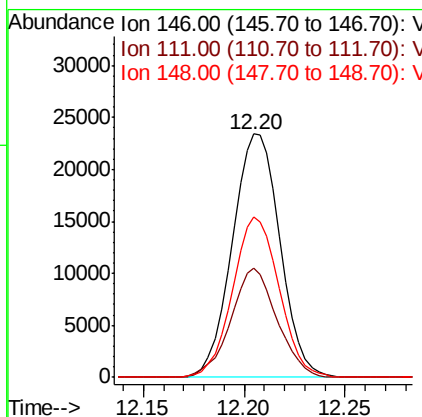
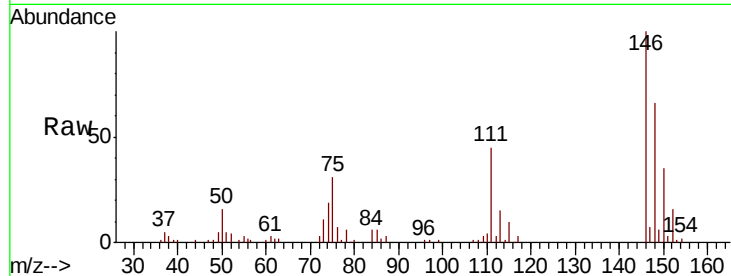




#67
 1,2-Dichlorobenzene
 Concen: 9.339 ug/L
 RT: 12.20 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

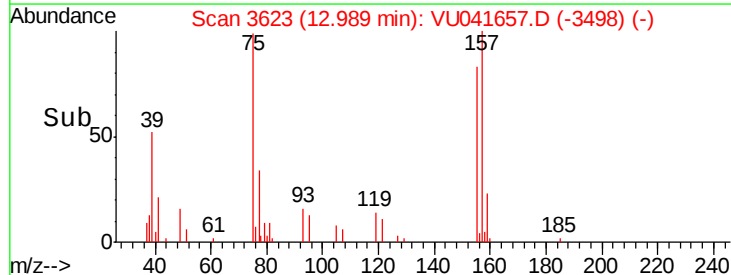
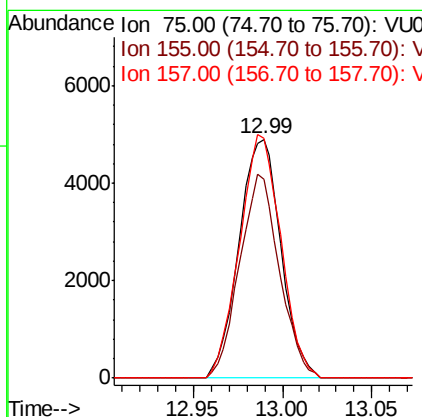
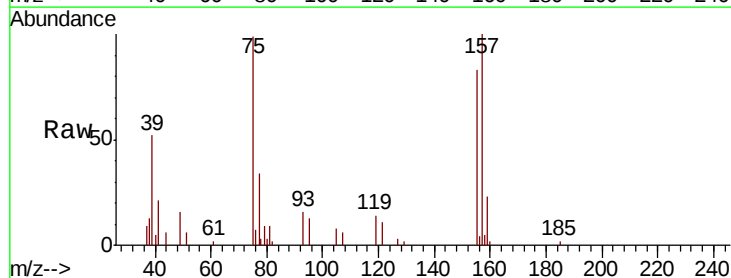
Instrument :
 MSVOA_U
 ClientSampled :

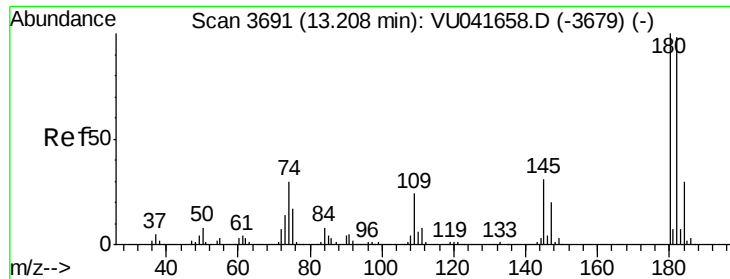
Tot Ion:146 Resp: 38747
 Ion Ratio Lower Upper
 146 100
 111 45.1 33.0 49.6
 148 65.7 50.0 75.0



#68
 1,2-Dibromo-3-chloropropane
 Concen: 9.434 ug/L
 RT: 12.99 min Scan# 3623
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Tgt Ion: 75 Resp: 8048
 Ion Ratio Lower Upper
 75 100
 155 83.3 66.8 100.2
 157 100.6 85.5 128.3

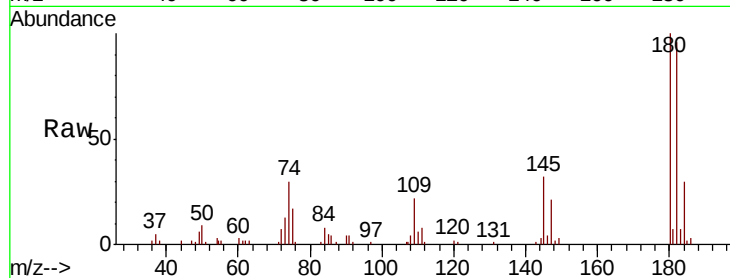




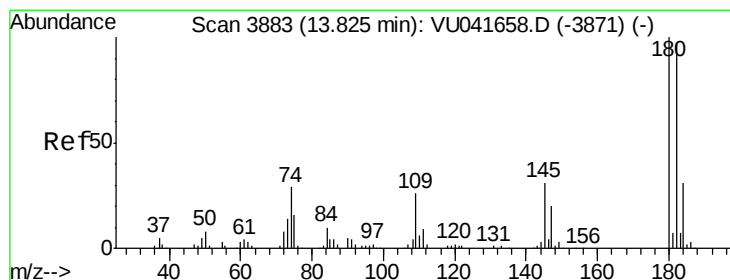
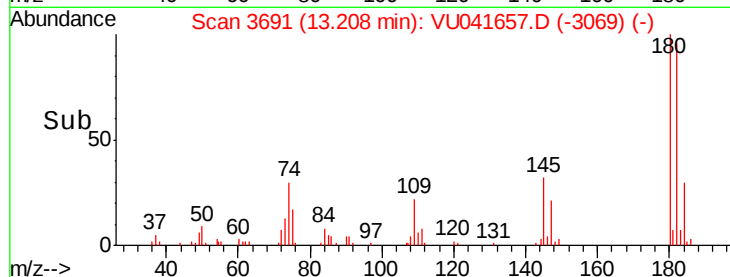
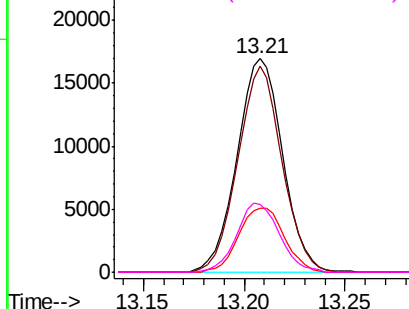
#69
 1,3,5-Trichlorobenzene
 Concen: 9.807 ug/L
 RT: 13.21 min Scan# 3691
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Instrument :
 MSVOA_U
 ClientSampled :

Tot Ion:180 Resp: 26854
 Ion Ratio Lower Upper
 180 100
 182 93.0 77.1 115.7
 184 30.1 23.9 35.9
 145 30.5 23.8 35.6

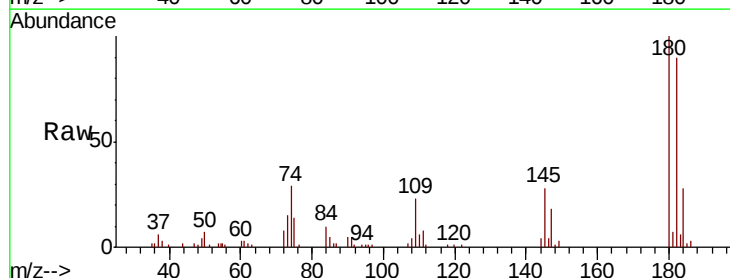


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

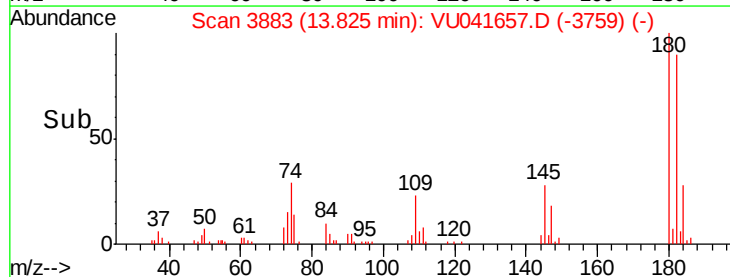
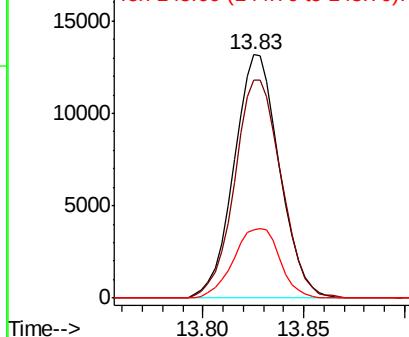


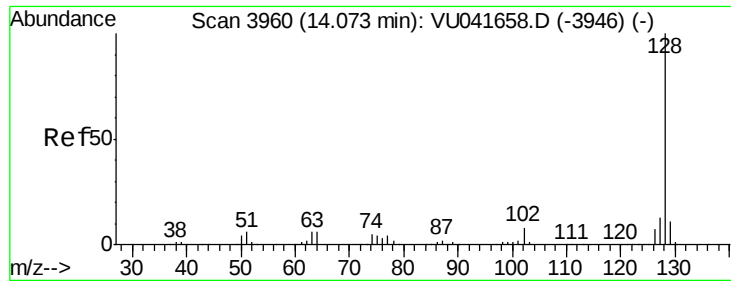
#70
 1,2,4-trichlorobenzene
 Concen: 8.868 ug/L
 RT: 13.83 min Scan# 3883
 Delta R.T. 0.00 min
 Lab File: VU041657.D
 Acq: 16 Dec 2020 09:36

Tgt Ion:180 Resp: 20785
 Ion Ratio Lower Upper
 180 100
 182 91.8 75.9 113.9
 145 29.3 24.1 36.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

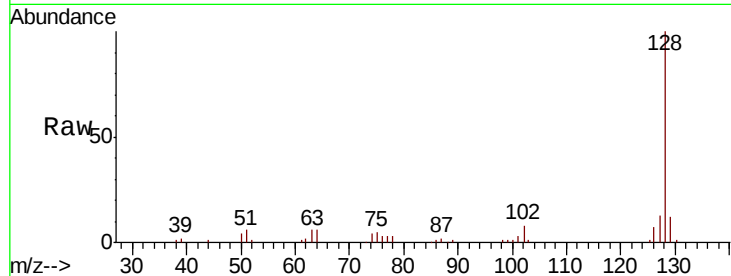




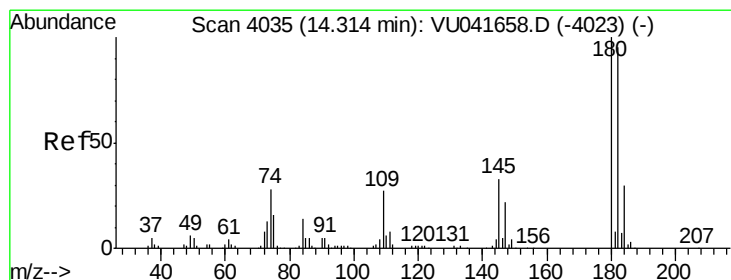
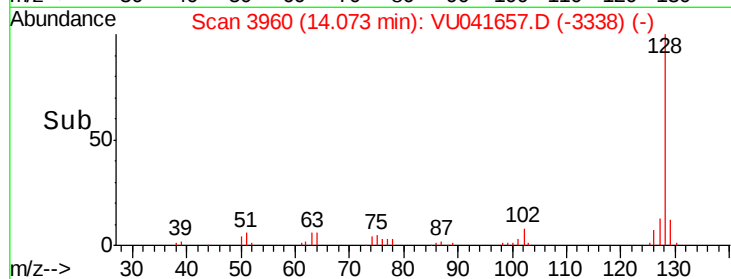
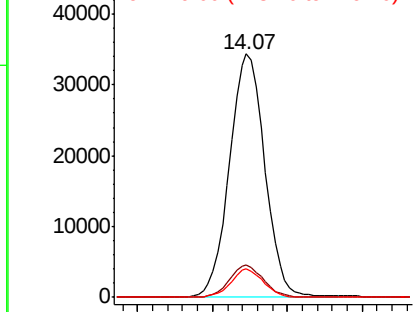
#71
Naphthalene
Concen: 7.736 ug/L
RT: 14.07 min Scan# 3960
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Instrument :
MSVOA_U
ClientSampleId :

Tot Ion:128 Resp: 56532
Ion Ratio Lower Upper
128 100
127 12.8 10.5 15.7
129 10.8 8.6 13.0

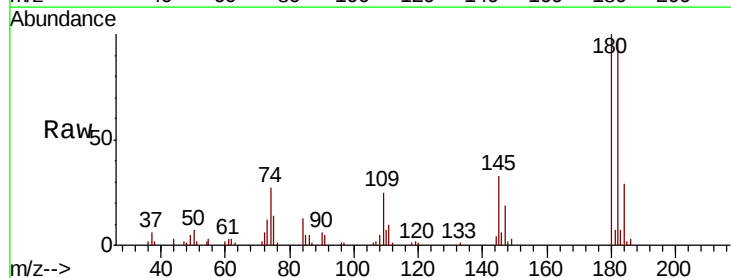


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 8.893 ug/L
RT: 14.32 min Scan# 4036
Delta R.T. 0.00 min
Lab File: VU041657.D
Acq: 16 Dec 2020 09:36

Tgt Ion:180 Resp: 20536
Ion Ratio Lower Upper
180 100
182 96.1 75.8 113.6
145 33.4 26.2 39.4



Abundance Ion 180.00 (179.70 to 180.70): V
Ion 182.00 (181.70 to 182.70): V
Ion 145.00 (144.70 to 145.70): V

