

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102921\
 Data File : VU045475.D
 Acq On : 29 Oct 2021 19:36
 Operator : SY/MD
 Sample : M4375-02
 Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Oct 30 04:11:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 29 11:09:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

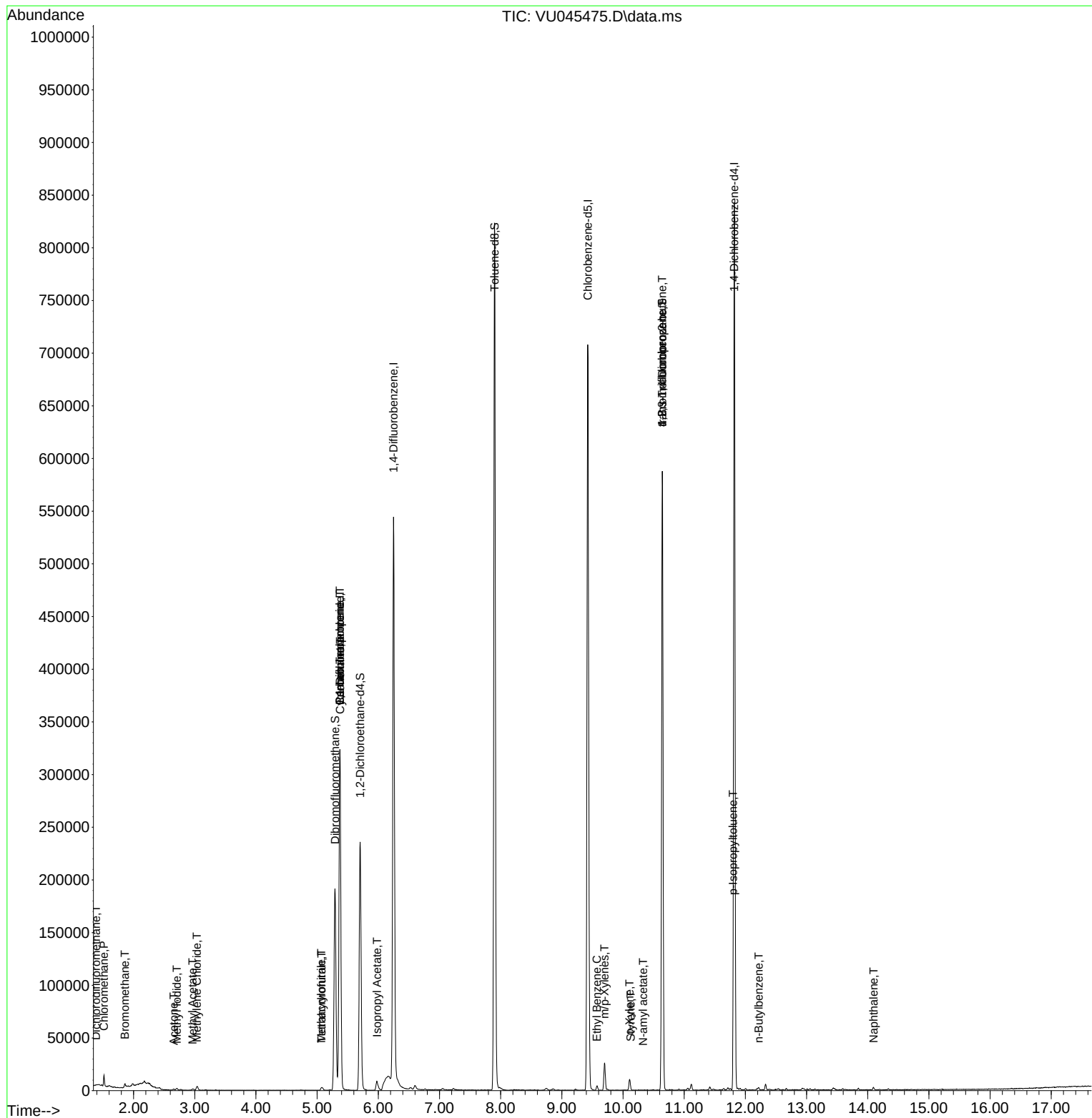
Internal Standards						
1) Pentafluorobenzene	5.372	168	220437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	437385	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.423	117	431112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.819	152	205748	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	183874	51.236	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.480%			
35) Dibromofluoromethane	5.292	113	132966	47.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.620%			
50) Toluene-d8	7.899	98	559032	51.260	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.520%			
62) 4-Bromofluorobenzene	10.642	95	215624	51.886	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.780%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.385	85	68	0.397	ug/l #	43
3) Chloromethane	1.517	50	7624	1.738	ug/l	98
5) Bromomethane	1.858	94	1748	0.791	ug/l	83
10) Methyl Iodide	2.707	142	1830	9.984	ug/l #	82
16) Acetone	2.658	43	868	0.533	ug/l #	86
18) Methyl Acetate	2.964	43	2237	0.369	ug/l	94
20) Methylene Chloride	3.035	84	1900	0.585	ug/l #	94
29) Tetrahydrofuran	5.073	42	2178	1.365	ug/l	91
31) Cyclohexane	5.375	56	5338	0.999	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	19596	4.707	ug/l #	50
38) Carbon Tetrachloride	5.372	117	23082	6.357	ug/l #	15
41) Methacrylonitrile	5.070	41	1241	0.465	ug/l #	40
43) Isopropyl Acetate	5.980	43	4178	0.550	ug/l #	59
67) Ethyl Benzene	9.575	91	3698	0.247	ug/l	99
68) m/p-Xylenes	9.697	106	7804	1.381	ug/l	100
69) o-Xylene	10.105	106	2835	0.514	ug/l	87
70) Styrene	10.124	104	566	1.031	ug/l #	31
74) N-amyl acetate	10.327	43	41	1.161	ug/l #	40
76) 1,2,3-Trichloropropane	10.642	75	111030	20.254	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.642	75	111030	56.222	ug/l #	12
86) p-Isopropyltoluene	11.800	119	631	0.236	ug/l #	50
89) n-Butylbenzene	12.217	91	1140	1.025	ug/l	95
95) Naphthalene	14.095	128	2508	0.248	ug/l #	92

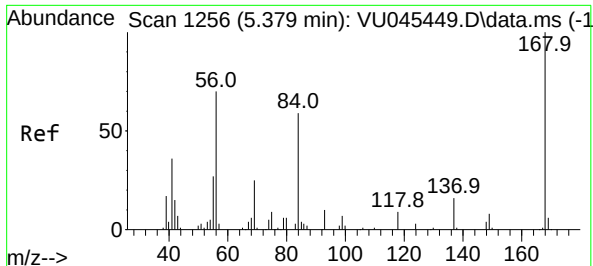
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 30 04:11:06 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U102821W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 29 11:09:42 2021
Response via : Initial Calibration

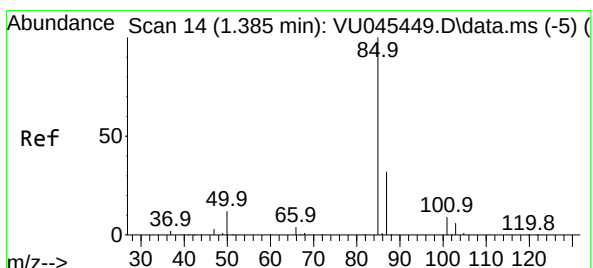
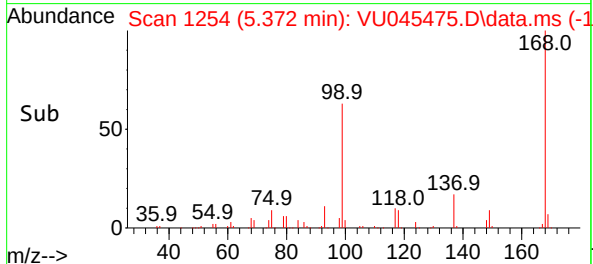
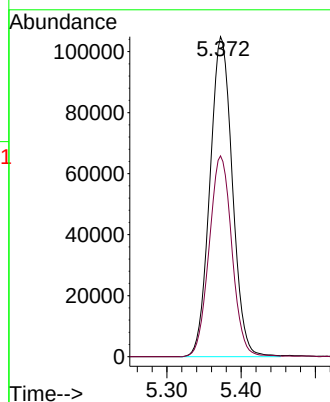
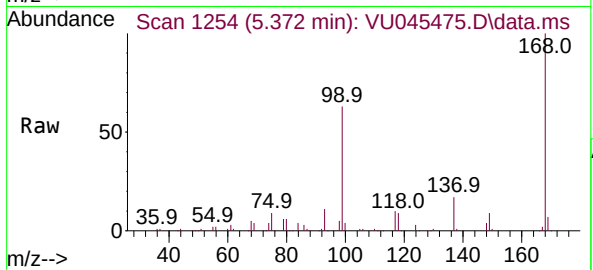




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

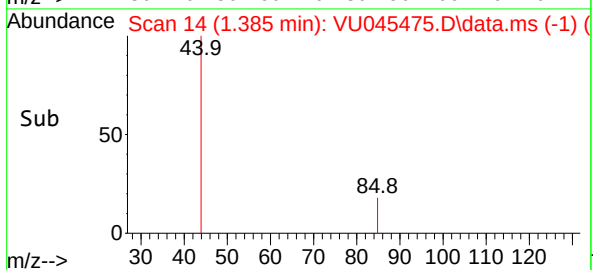
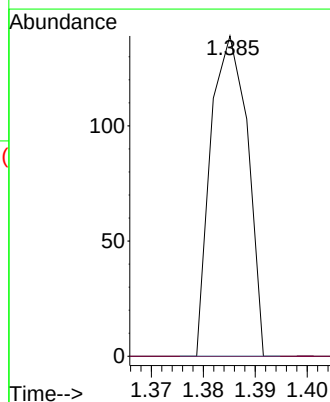
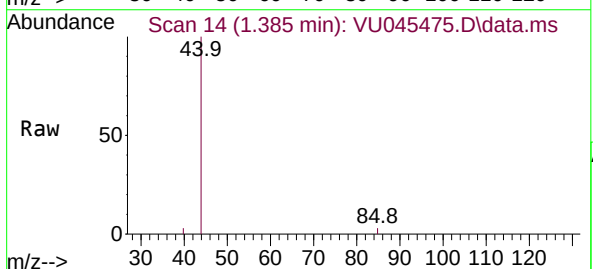
Instrument :
MSVOA_U
ClientSampleId :

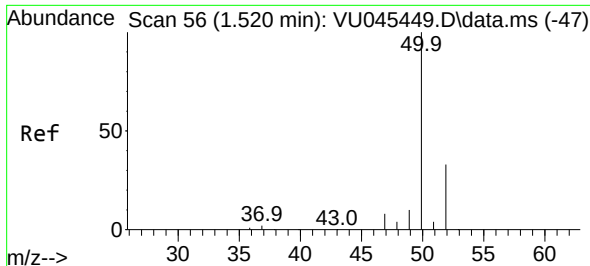
Tgt Ion:168 Resp: 220437
Ion Ratio Lower Upper
168 100
99 62.7 51.0 76.6



#2
Dichlorodifluoromethane
Concen: 0.397 ug/l
RT: 1.385 min Scan# 14
Delta R.T. 0.000 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion: 85 Resp: 68
Ion Ratio Lower Upper
85 100
87 0.0 15.9 47.7#

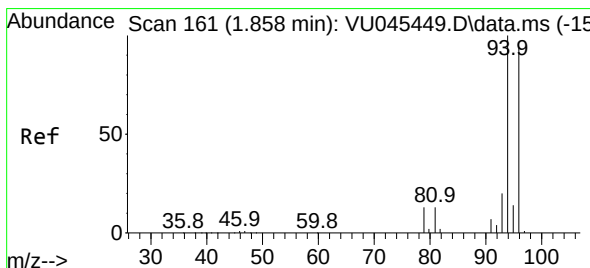
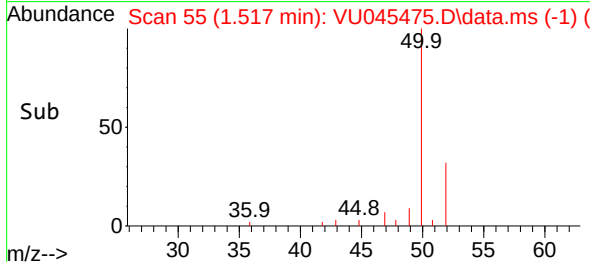
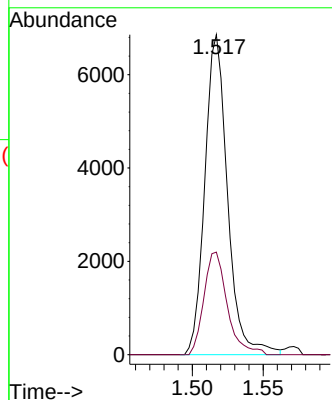
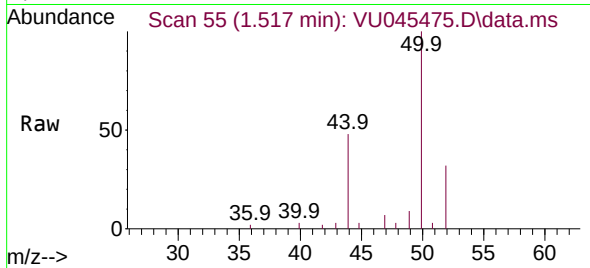




#3
Chloromethane
Concen: 1.738 ug/l
RT: 1.517 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

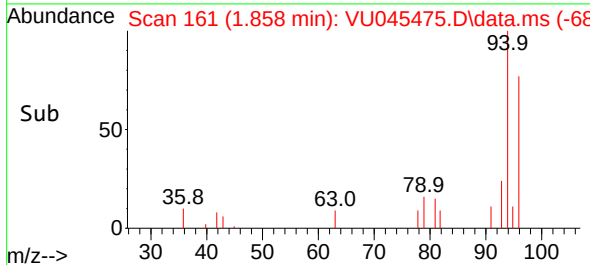
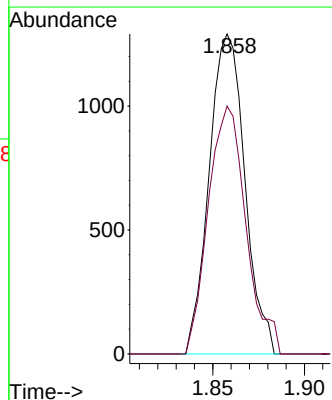
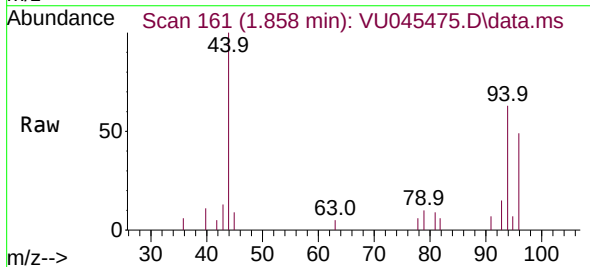
Instrument :
MSVOA_U
ClientSampleId :

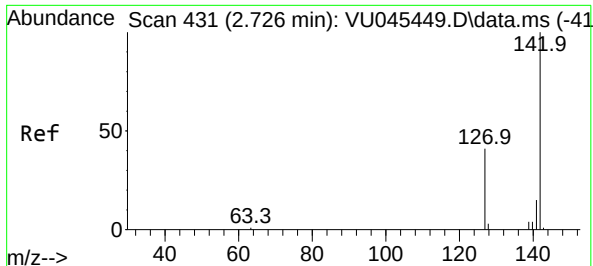
Tgt Ion: 50 Resp: 7624
Ion Ratio Lower Upper
50 100
52 32.1 26.6 40.0



#5
Bromomethane
Concen: 0.791 ug/l
RT: 1.858 min Scan# 161
Delta R.T. -0.000 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

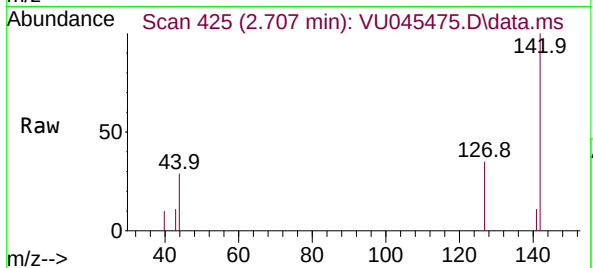
Tgt Ion: 94 Resp: 1748
Ion Ratio Lower Upper
94 100
96 77.5 75.4 113.2



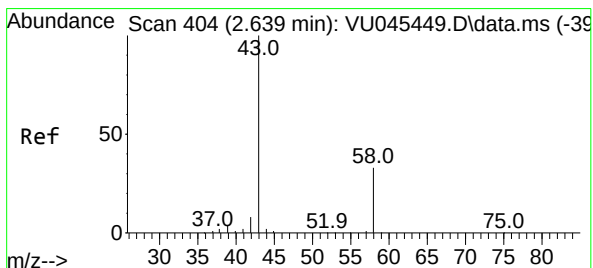
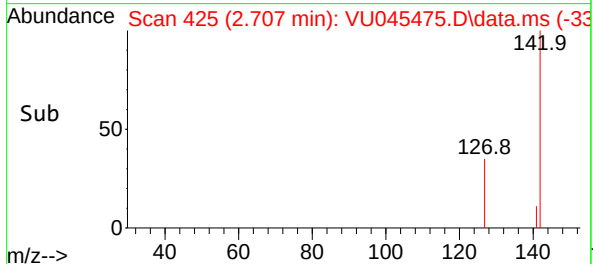
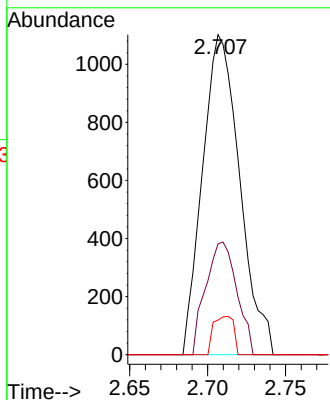


#10
Methyl Iodide
Concen: 9.984 ug/l
RT: 2.707 min Scan# 41
Delta R.T. -0.019 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Instrument :
MSVOA_U
ClientSampleId :

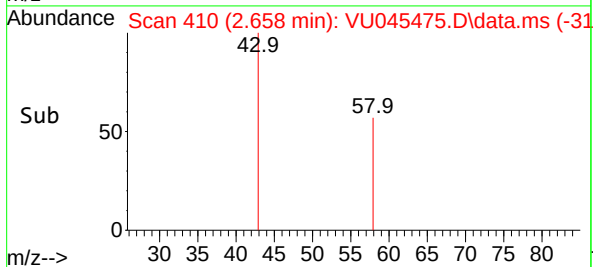
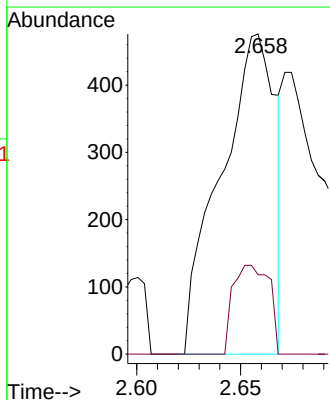
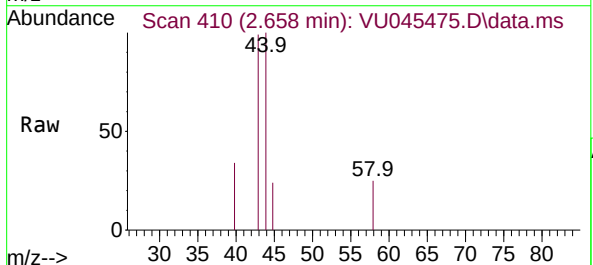


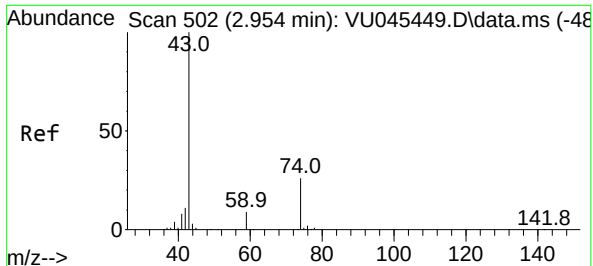
Tgt Ion:142 Resp: 1830
Ion Ratio Lower Upper
142 100
127 29.4 32.2 48.2#
141 6.4 11.3 16.9#



#16
Acetone
Concen: 0.533 ug/l
RT: 2.658 min Scan# 410
Delta R.T. 0.019 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion: 43 Resp: 868
Ion Ratio Lower Upper
43 100
58 24.8 26.2 39.2#

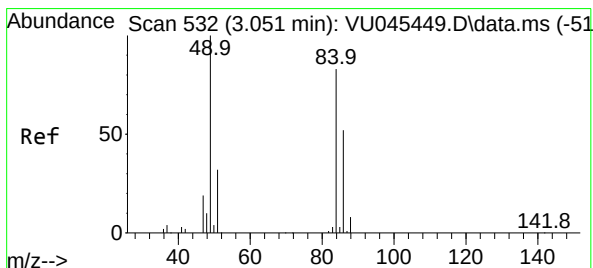
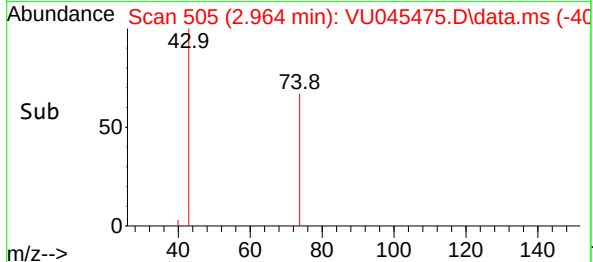
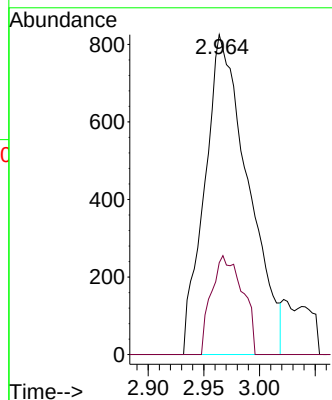
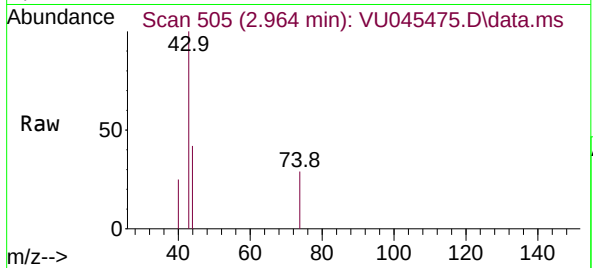




#18
Methyl Acetate
Concen: 0.369 ug/l
RT: 2.964 min Scan# 50
Delta R.T. 0.010 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

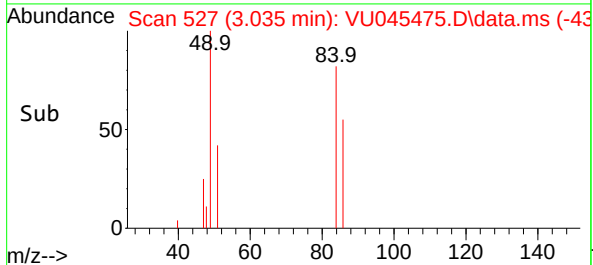
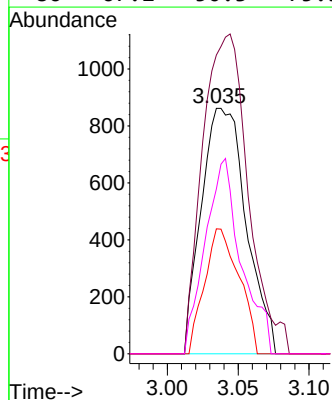
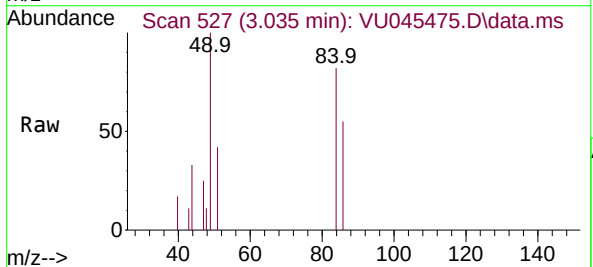
Instrument :
MSVOA_U
ClientSampleId :

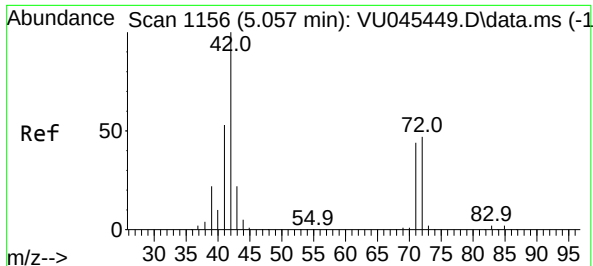
Tgt Ion: 43 Resp: 2237
Ion Ratio Lower Upper
43 100
74 22.1 20.2 30.2



#20
Methylene Chloride
Concen: 0.585 ug/l
RT: 3.035 min Scan# 527
Delta R.T. -0.016 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion: 84 Resp: 1900
Ion Ratio Lower Upper
84 100
49 121.7 96.4 144.6
51 50.9 30.5 45.7#
86 67.2 50.3 75.5





#29

Tetrahydrofuran

Concen: 1.365 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.016 min

Lab File: VU045475.D

Acq: 29 Oct 2021 19:36

Instrument :

MSVOA_U

ClientSampleId :

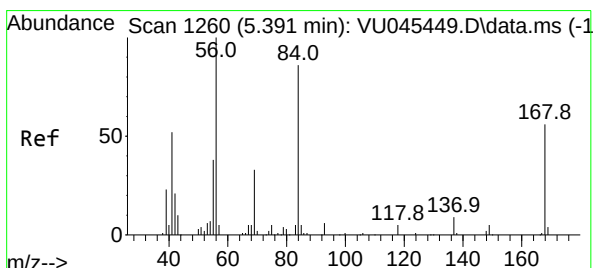
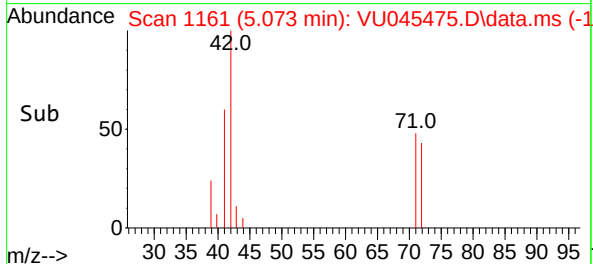
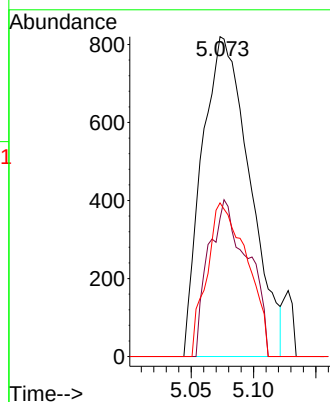
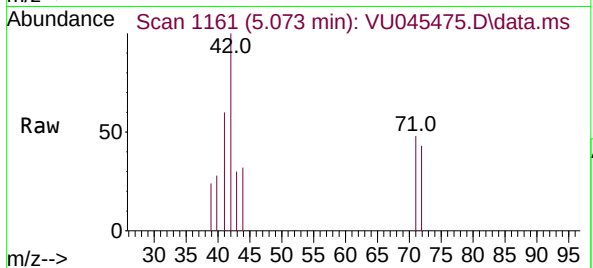
Tgt Ion: 42 Resp: 2178

Ion Ratio Lower Upper

42 100

72 40.4 38.2 57.4

71 40.5 35.4 53.2



#31

Cyclohexane

Concen: 0.999 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU045475.D

Acq: 29 Oct 2021 19:36

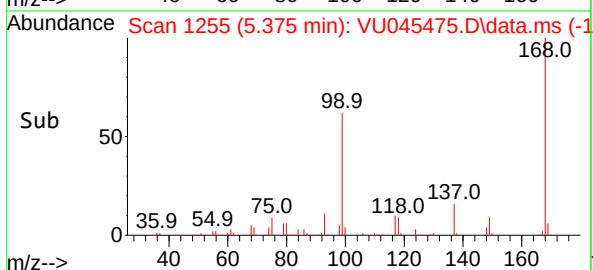
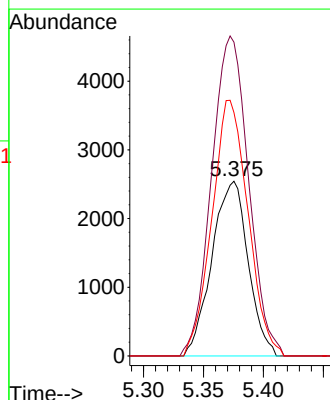
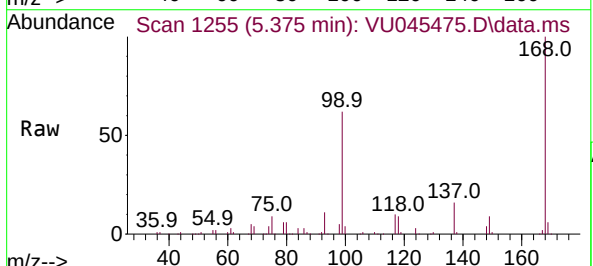
Tgt Ion: 56 Resp: 5338

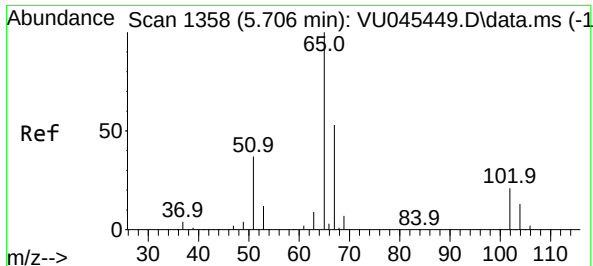
Ion Ratio Lower Upper

56 100

69 179.5 26.4 39.6#

84 139.2 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 51.236 ug/l

RT: 5.703 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045475.D

Acq: 29 Oct 2021 19:36

Instrument :

MSVOA_U

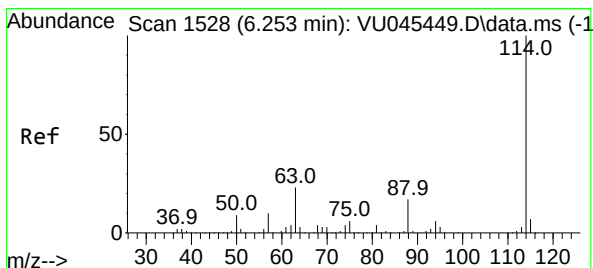
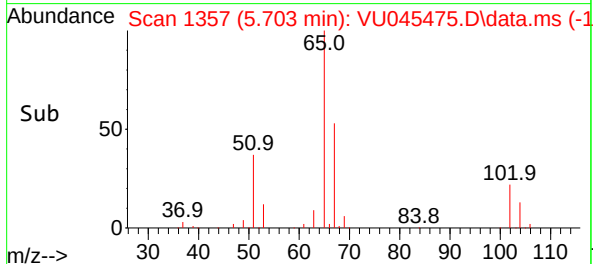
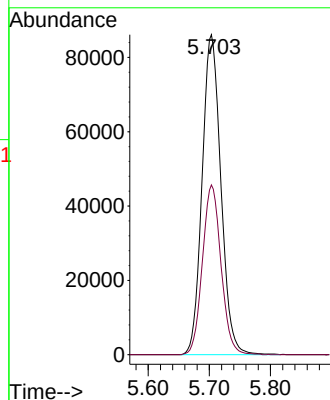
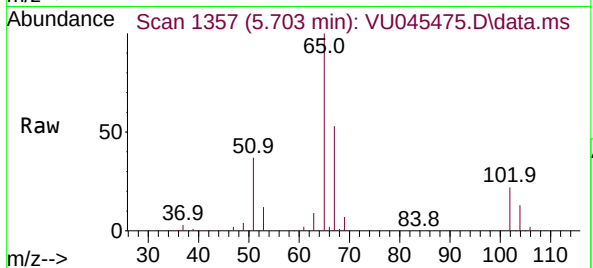
ClientSampleId :

Tgt Ion: 65 Resp: 183874

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.003 min

Lab File: VU045475.D

Acq: 29 Oct 2021 19:36

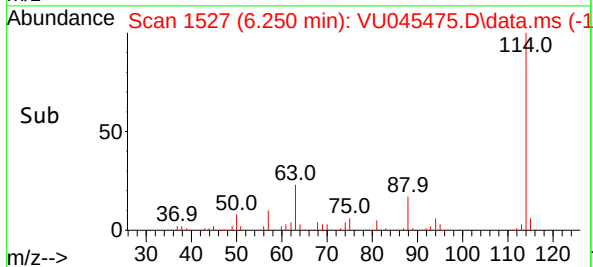
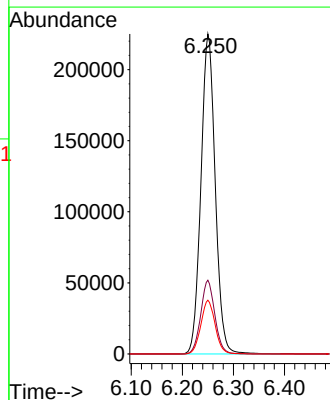
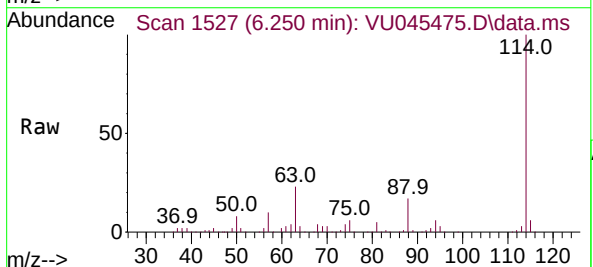
Tgt Ion: 114 Resp: 437385

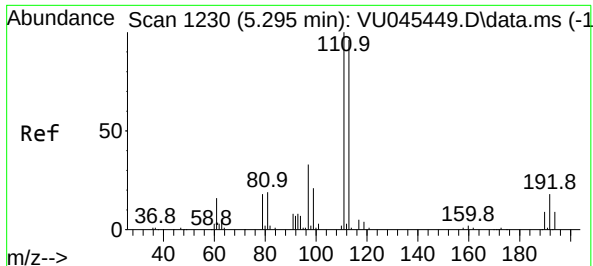
Ion Ratio Lower Upper

114 100

63 23.0 0.0 45.6

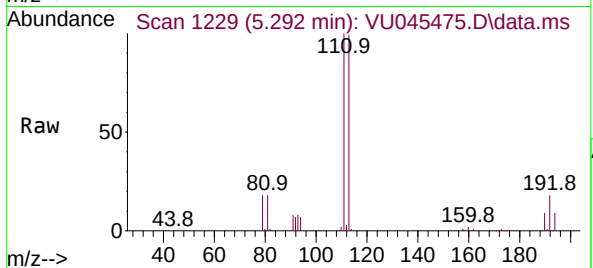
88 16.8 0.0 33.8



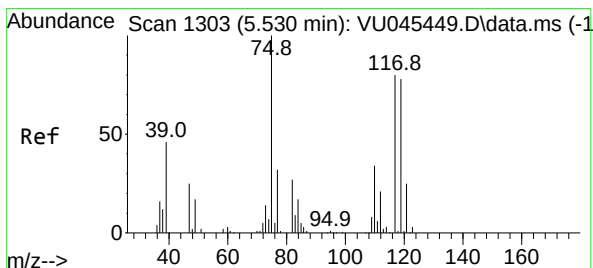
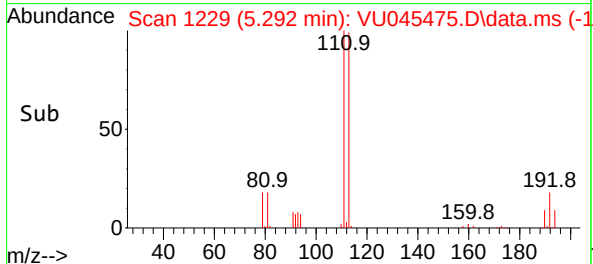
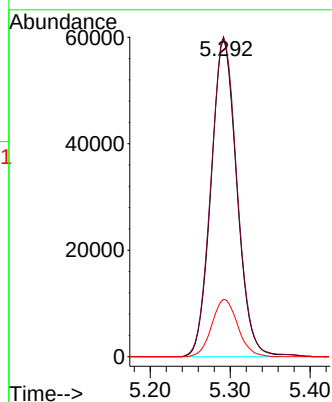


#35
Dibromofluoromethane
Concen: 47.811 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Instrument :
MSVOA_U
ClientSampleId :

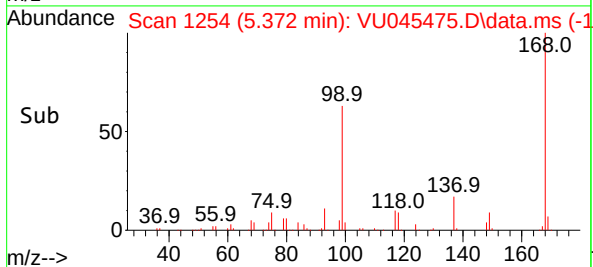
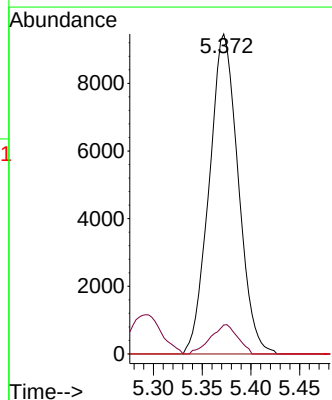
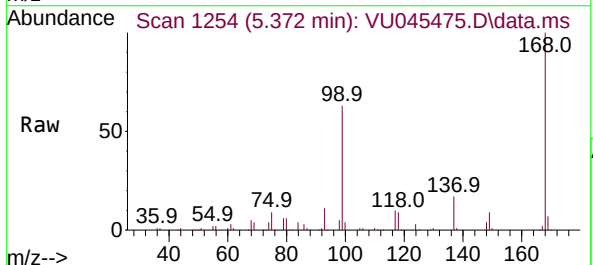


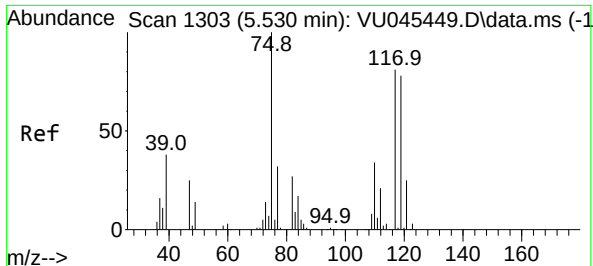
Tgt Ion:113 Resp: 132966
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 18.2 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.707 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.158 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

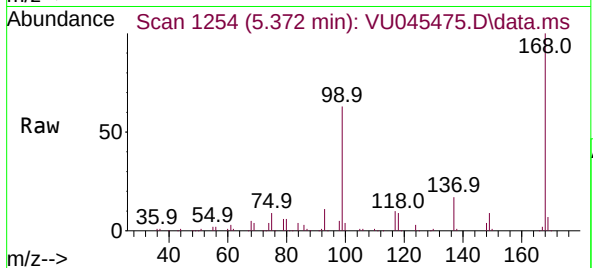
Tgt Ion: 75 Resp: 19596
Ion Ratio Lower Upper
75 100
110 8.5 16.7 50.0#
77 0.0 25.0 37.4#



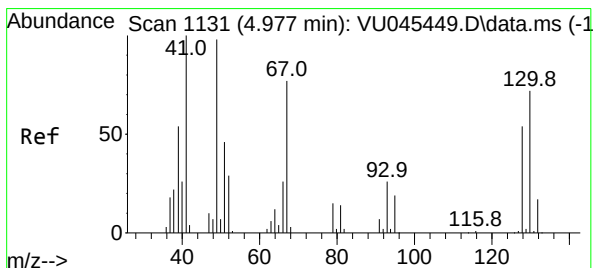
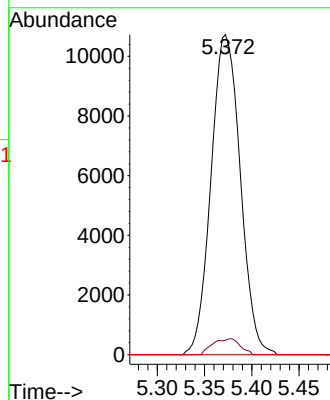
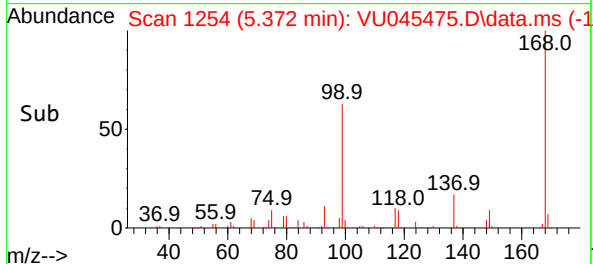


#38
Carbon Tetrachloride
Concen: 6.357 ug/l
RT: 5.372 min Scan# 1160
Delta R.T. -0.158 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Instrument :
MSVOA_U
ClientSampleId :

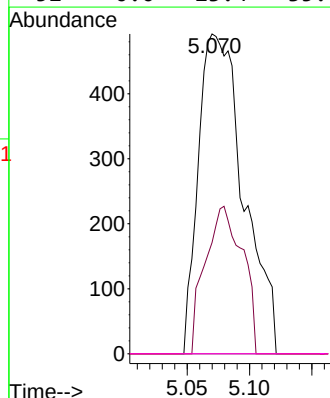
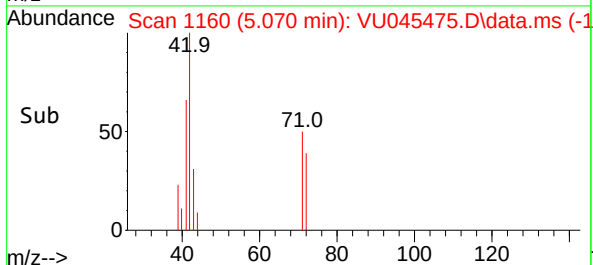
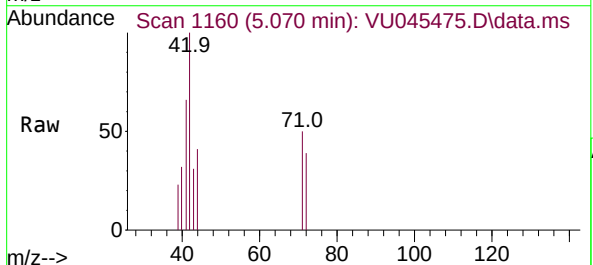


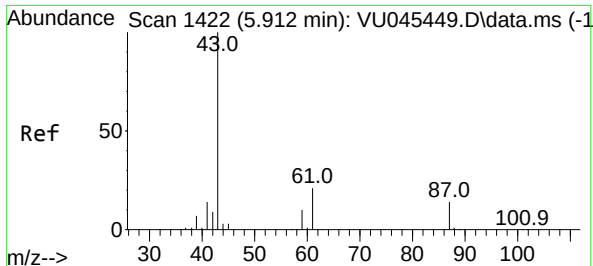
Tgt Ion:117 Resp: 23082
Ion Ratio Lower Upper
117 100
119 4.5 77.4 116.0#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.465 ug/l
RT: 5.070 min Scan# 1160
Delta R.T. 0.093 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion: 41 Resp: 1241
Ion Ratio Lower Upper
41 100
39 38.0 43.4 65.0#
67 0.0 61.0 91.4#
52 0.0 23.4 35.0#





#43

Isopropyl Acetate

Concen: 0.550 ug/l

RT: 5.980 min Scan# 14

Delta R.T. 0.068 min

Lab File: VU045475.D

Acq: 29 Oct 2021 19:36

Instrument :

MSVOA_U

ClientSampleId :

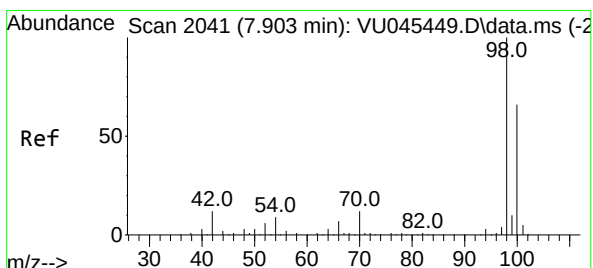
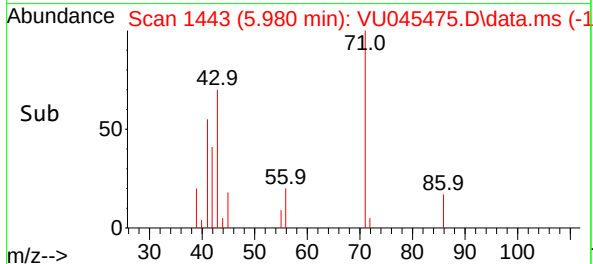
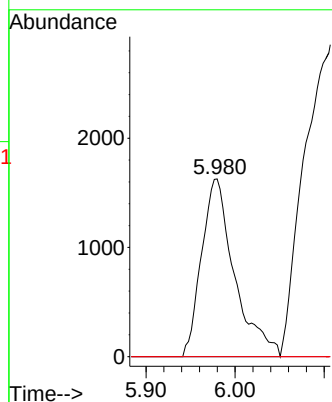
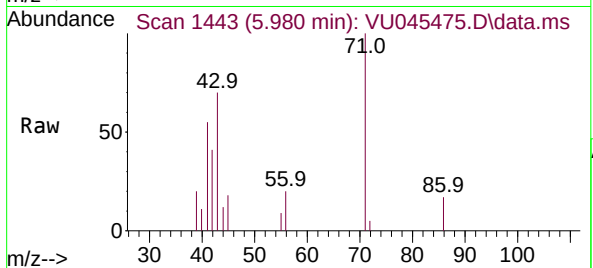
Tgt Ion: 43 Resp: 4178

Ion Ratio Lower Upper

43 100

61 0.0 16.9 25.3#

87 0.0 11.0 16.4#



#50

Toluene-d8

Concen: 51.260 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.003 min

Lab File: VU045475.D

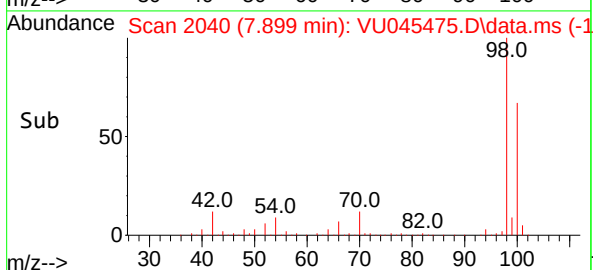
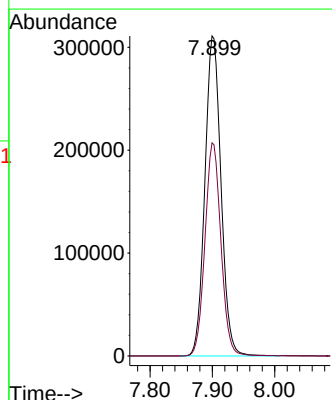
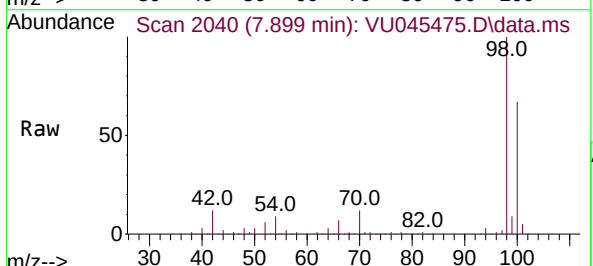
Acq: 29 Oct 2021 19:36

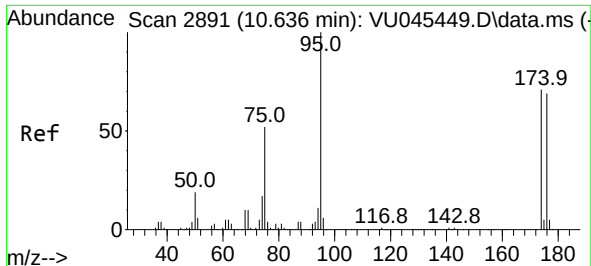
Tgt Ion: 98 Resp: 559032

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

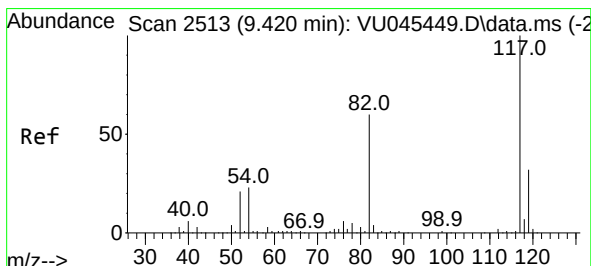
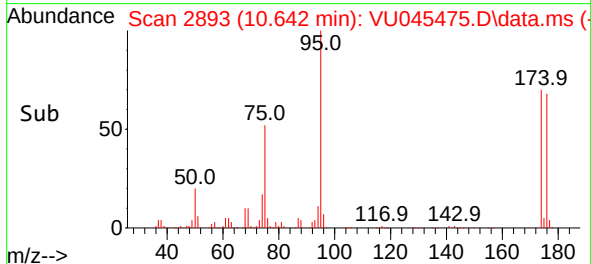
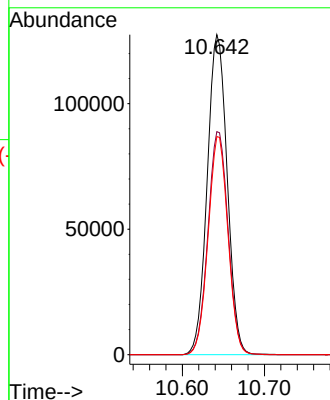
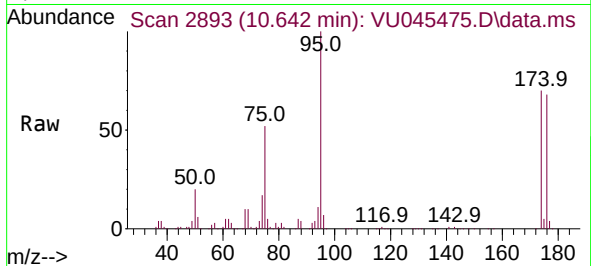




#62
4-Bromofluorobenzene
Concen: 51.886 ug/l
RT: 10.642 min Scan# 2156
Delta R.T. 0.006 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

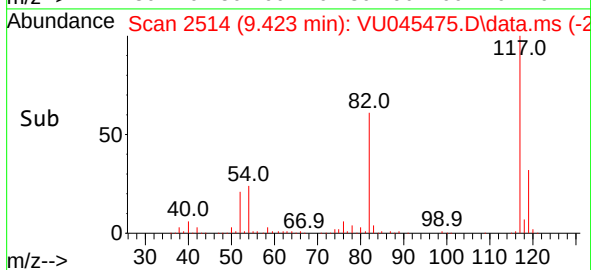
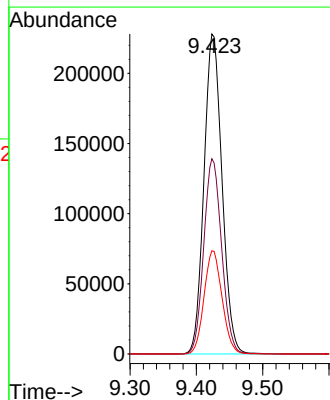
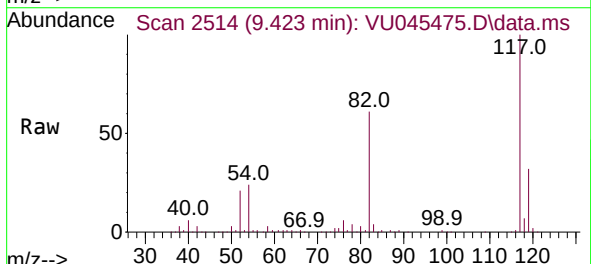
Instrument :
MSVOA_U
ClientSampleId :

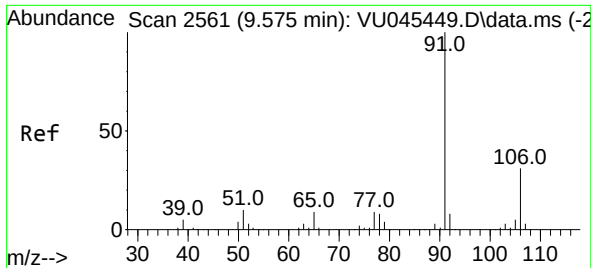
Tgt Ion: 95 Resp: 215624
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.8
176 67.5 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.423 min Scan# 2514
Delta R.T. 0.003 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion: 117 Resp: 431112
Ion Ratio Lower Upper
117 100
82 61.0 47.8 71.8
119 32.3 25.8 38.8

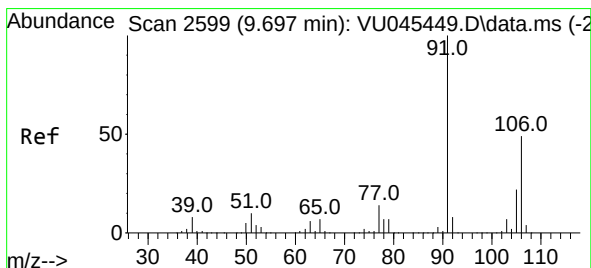
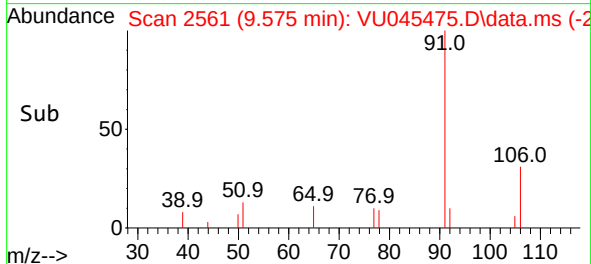
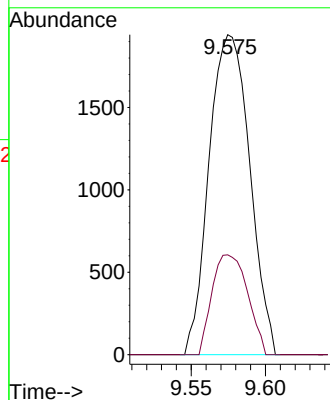
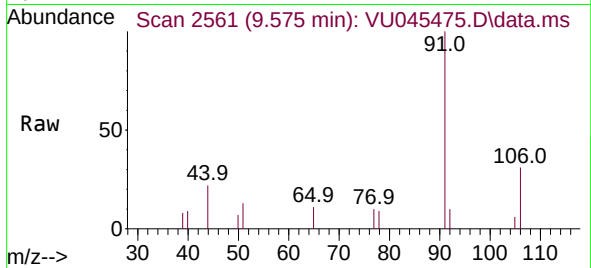




#67
Ethyl Benzene
Concen: 0.247 ug/l
RT: 9.575 min Scan# 2561
Delta R.T. 0.000 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

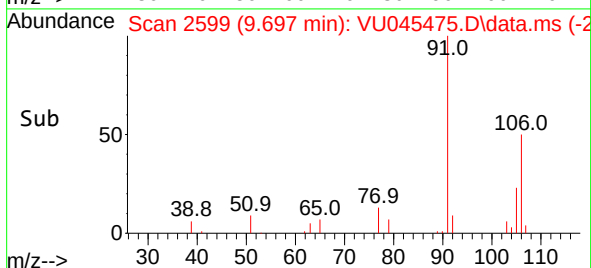
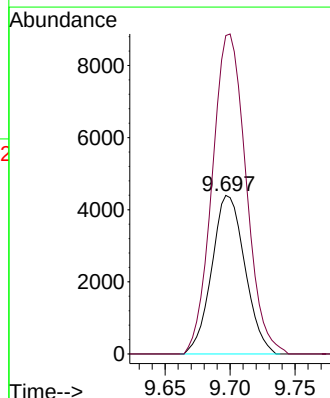
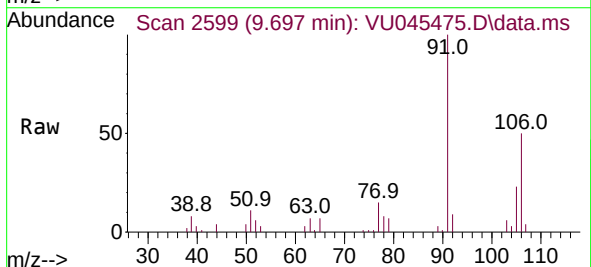
Instrument :
MSVOA_U
ClientSampleId :

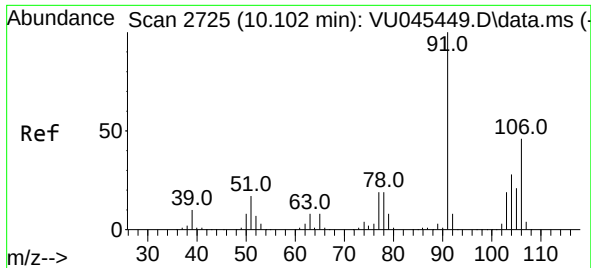
Tgt Ion: 91 Resp: 3698
Ion Ratio Lower Upper
91 100
106 31.2 24.6 36.8



#68
m/p-Xylenes
Concen: 1.381 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. 0.000 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion: 106 Resp: 7804
Ion Ratio Lower Upper
106 100
91 205.9 164.7 247.1

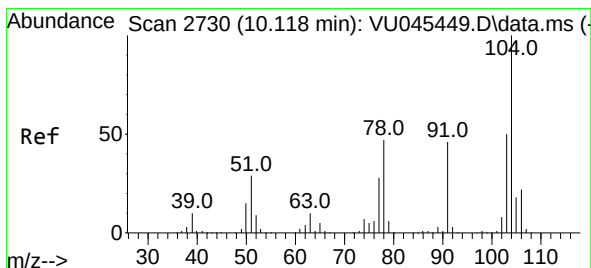
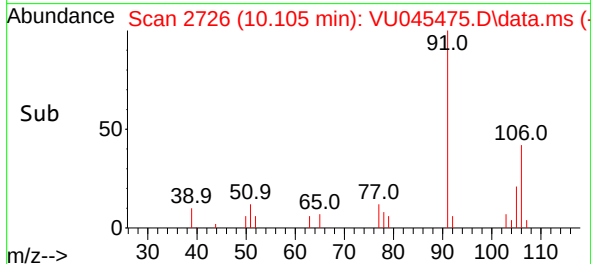
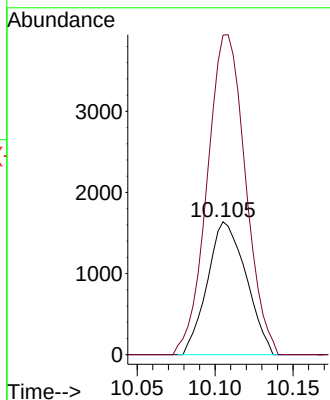
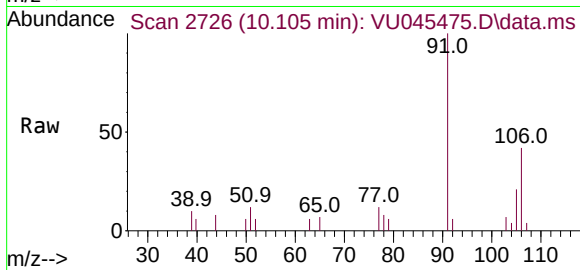




#69
o-Xylene
Concen: 0.514 ug/l
RT: 10.105 min Scan# 2726
Delta R.T. 0.003 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

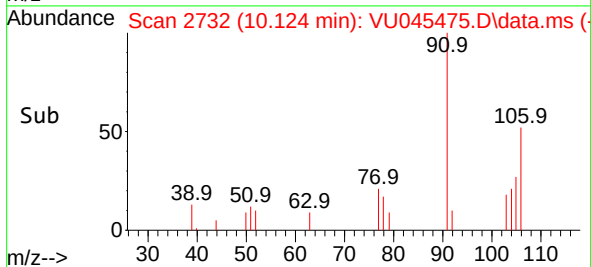
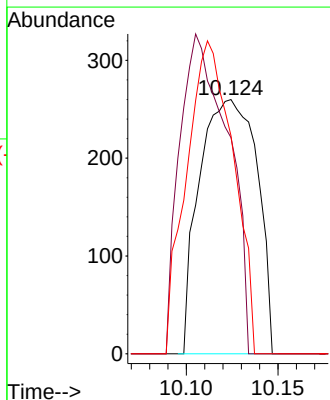
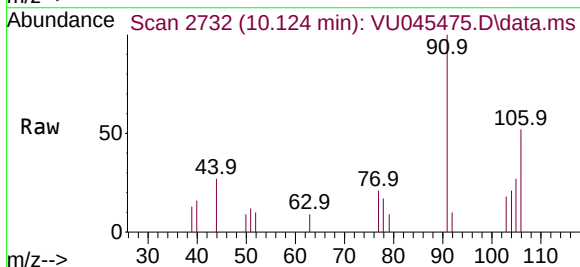
Instrument :
MSVOA_U
ClientSampleId :

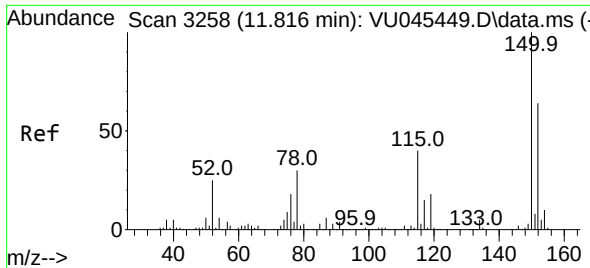
Tgt Ion:106 Resp: 2835
Ion Ratio Lower Upper
106 100
91 237.8 108.7 326.3



#70
Styrene
Concen: 1.031 ug/l
RT: 10.124 min Scan# 2732
Delta R.T. 0.006 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion:104 Resp: 566
Ion Ratio Lower Upper
104 100
78 105.5 41.8 62.6#
103 100.4 43.8 65.6#

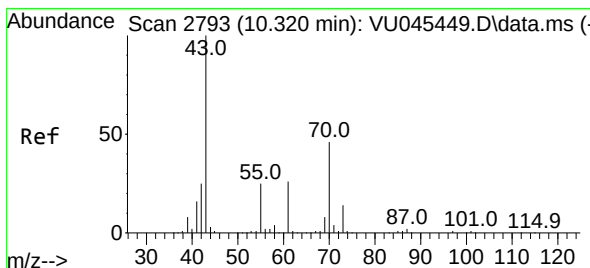
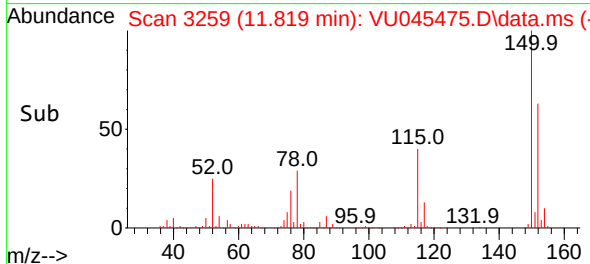
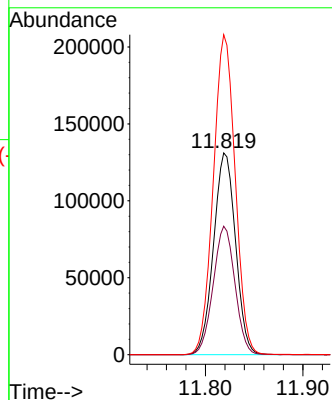
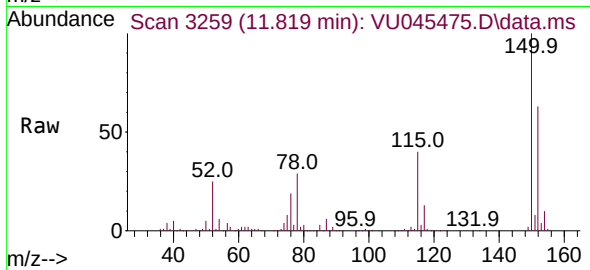




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.819 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

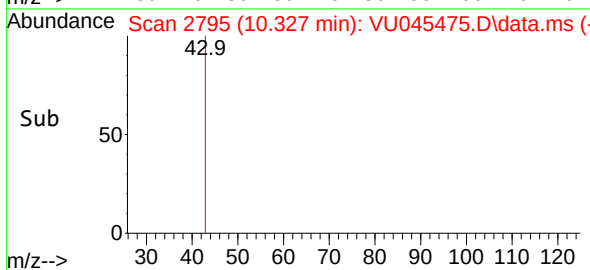
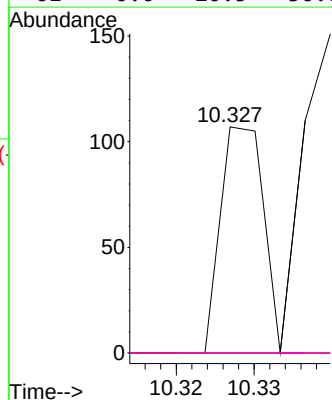
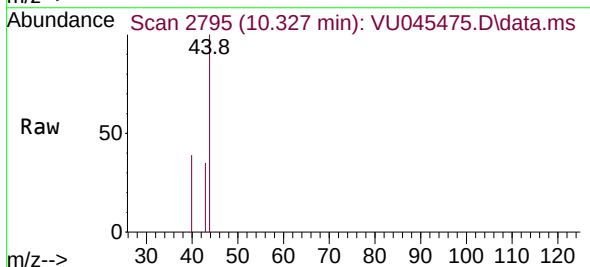
Instrument :
MSVOA_U
ClientSampleId :

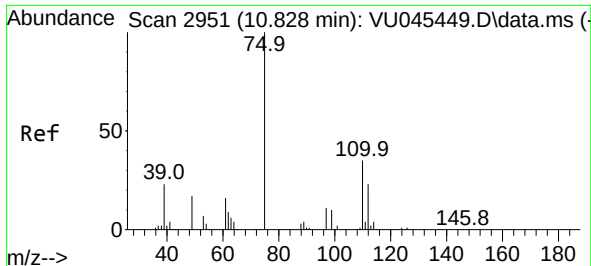
Tgt Ion:152 Resp: 205748
Ion Ratio Lower Upper
152 100
115 63.0 42.7 128.1
150 157.7 0.0 346.8



#74
N-ethyl acetate
Concen: 1.161 ug/l
RT: 10.327 min Scan# 2795
Delta R.T. 0.007 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion: 43 Resp: 41
Ion Ratio Lower Upper
43 100
70 0.0 36.9 55.3#
55 0.0 20.6 31.0#
61 0.0 20.5 30.7#

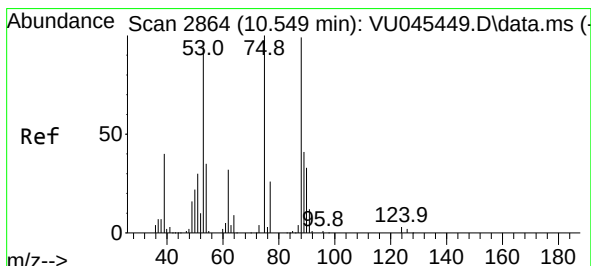
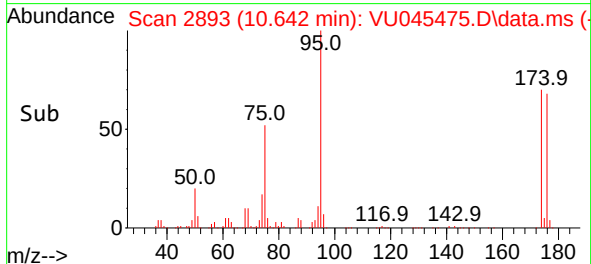
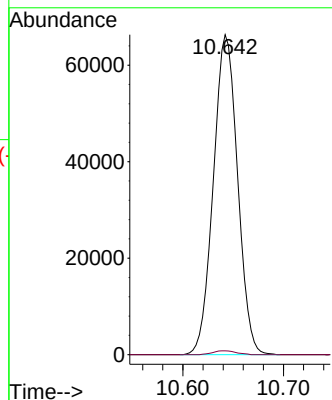
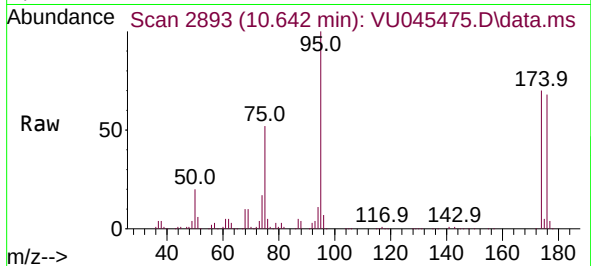




#76
1,2,3-Trichloropropane
Concen: 20.254 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. -0.186 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

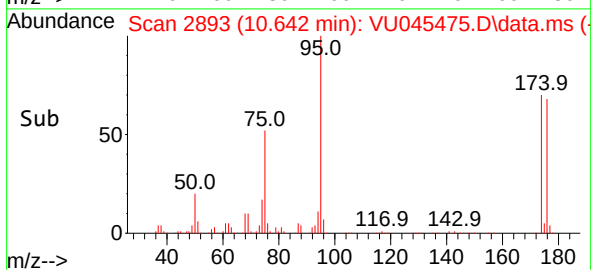
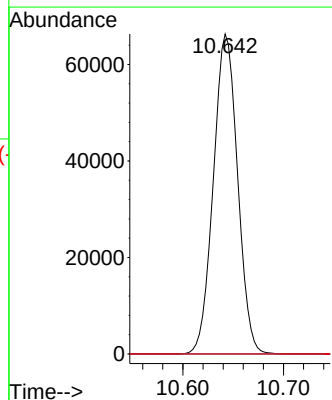
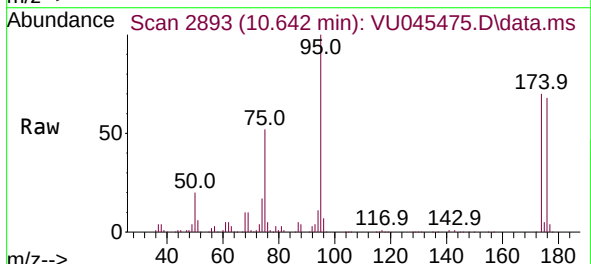
Instrument :
MSVOA_U
ClientSampleId :

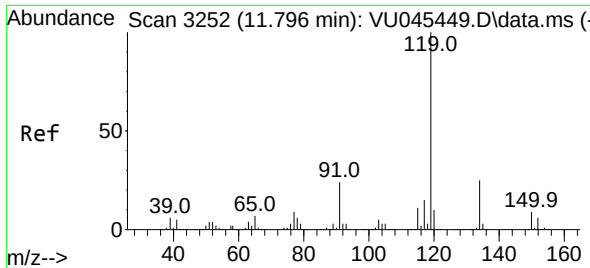
Tgt Ion: 75 Resp: 111030
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.222 ug/l
RT: 10.642 min Scan# 2893
Delta R.T. 0.093 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion: 75 Resp: 111030
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#

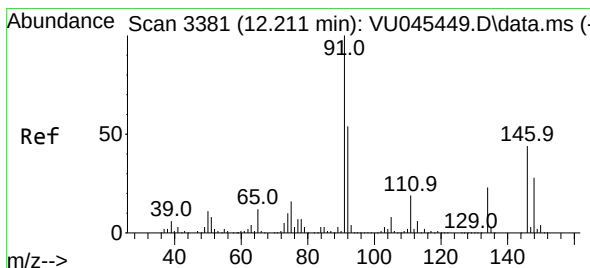
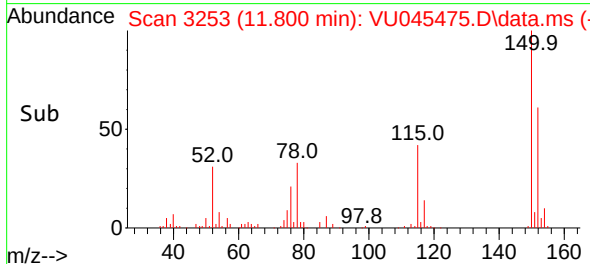
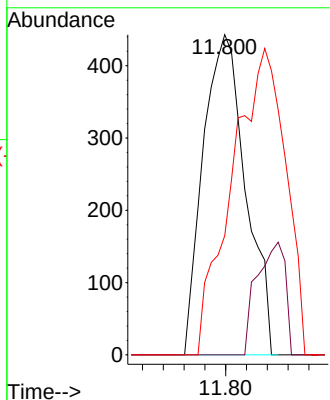
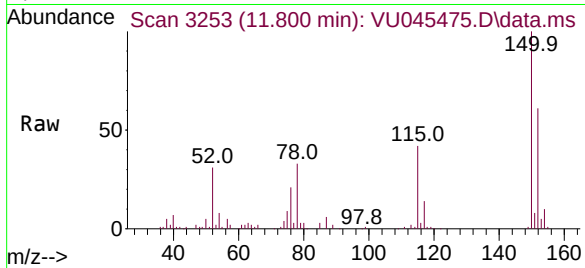




#86
p-Isopropyltoluene
Concen: 0.236 ug/l
RT: 11.800 min Scan# 31
Delta R.T. 0.004 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

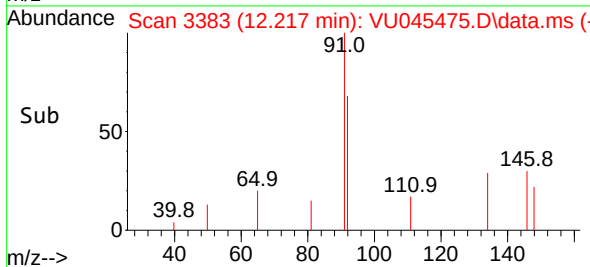
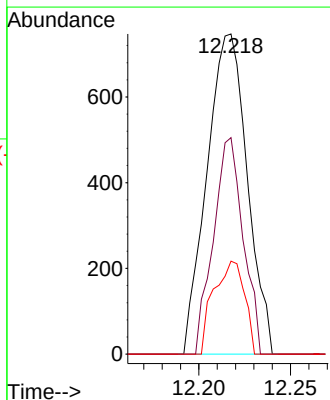
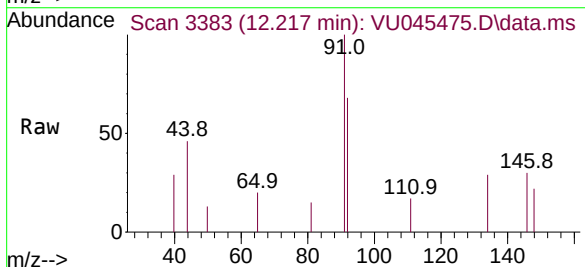
Instrument :
MSVOA_U
ClientSampleId :

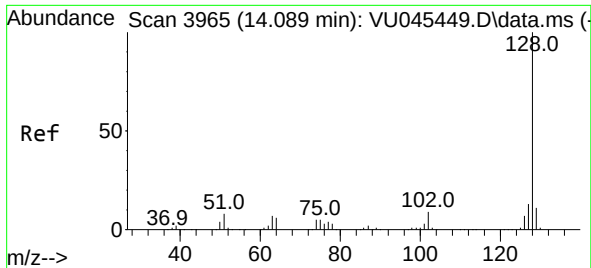
Tgt Ion:119 Resp: 631
Ion Ratio Lower Upper
119 100
134 0.0 12.7 38.1#
91 0.0 12.2 36.4#



#89
n-Butylbenzene
Concen: 1.025 ug/l
RT: 12.217 min Scan# 3383
Delta R.T. 0.006 min
Lab File: VU045475.D
Acq: 29 Oct 2021 19:36

Tgt Ion: 91 Resp: 1140
Ion Ratio Lower Upper
91 100
92 49.9 27.1 81.2
134 22.1 11.8 35.4





#95

Naphthalene

Concen: 0.248 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.006 min

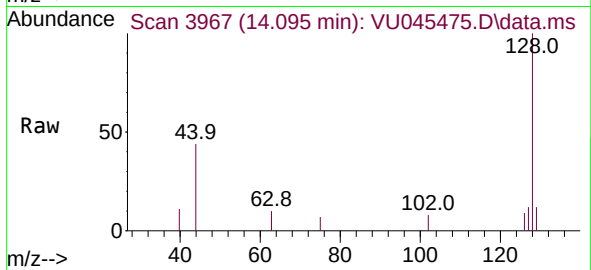
Lab File: VU045475.D

Acq: 29 Oct 2021 19:36

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 2508

Ion Ratio Lower Upper

128 100

127 9.4 10.6 15.8#

129 8.6 8.6 13.0#

