

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121821\
 Data File : VX025897.D
 Acq On : 17 Dec 2021 19:49
 Operator : JC/MD
 Sample : PB141495TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 19 02:35:53 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 14 07:02:11 2021
 Response via : Initial Calibration

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

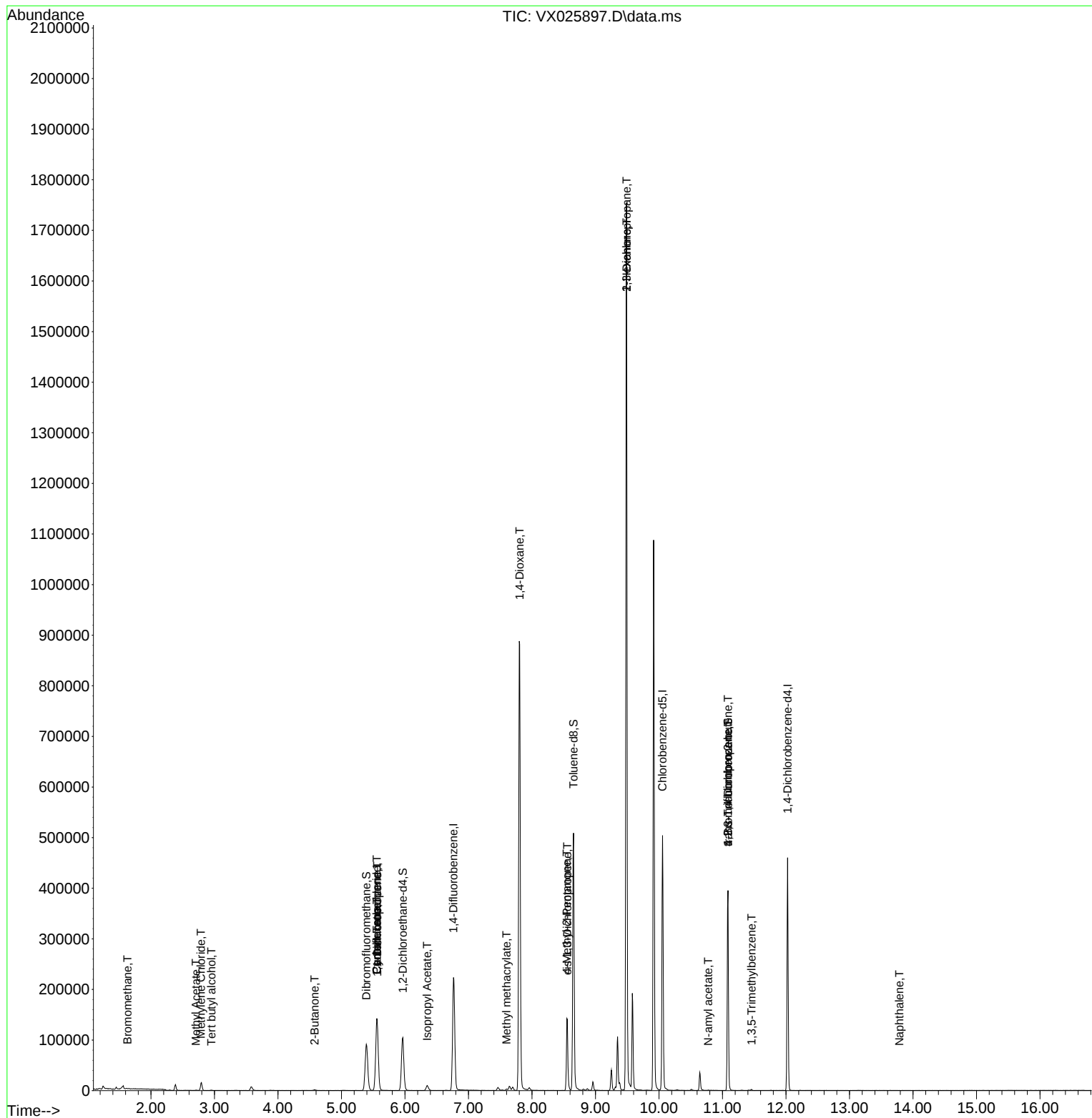
Internal Standards						
1) Pentafluorobenzene	5.556	168	127734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	228563	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221739	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	88739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100021	54.422	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.840%	
35) Dibromofluoromethane	5.391	113	78764	49.412	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.820%	
50) Toluene-d8	8.653	98	297353	51.198	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 102.400%	
62) 4-Bromofluorobenzene	11.085	95	104726	47.469	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 94.940%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.630	94	441	0.390	ug/l #	67
11) Tert butyl alcohol	2.953	59	410	1.112	ug/l #	73
16) Acetone	2.386	43	12263	Below Cal		99
18) Methyl Acetate	2.709	43	1068	0.381	ug/l #	72
20) Methylene Chloride	2.788	84	6532	1.824	ug/l	97
25) 2-Butanone	4.574	43	2150	1.739	ug/l	92
31) Cyclohexane	5.556	56	3183	1.424	ug/l #	39
36) 1,1-Dichloropropene	5.562	75	10937	5.060	ug/l #	50
38) Carbon Tetrachloride	5.556	117	13736	5.461	ug/l #	15
43) Isopropyl Acetate	6.349	43	12715	3.286	ug/l	99
48) Methyl methacrylate	7.598	41	4330	2.376	ug/l #	12
49) 1,4-Dioxane	7.806	88	115	2.891	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	50880	20.087	ug/l #	49
54) cis-1,3-Dichloropropene	8.555	75	21985	8.453	ug/l #	66
57) 1,3-Dichloropropane	9.488	76	15307	5.296	ug/l #	42
59) 2-Hexanone	9.488	43	207425	108.081	ug/l #	51
74) N-amyl acetate	10.775	43	544	0.210	ug/l #	43
76) 1,2,3-Trichloropropane	11.085	75	54738	26.923	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.457	105	1071	0.201	ug/l	84
81) trans-1,4-Dichloro-2-b...	11.085	75	54738	83.467	ug/l #	10
95) Naphthalene	13.786	128	83	2.424	ug/l #	69

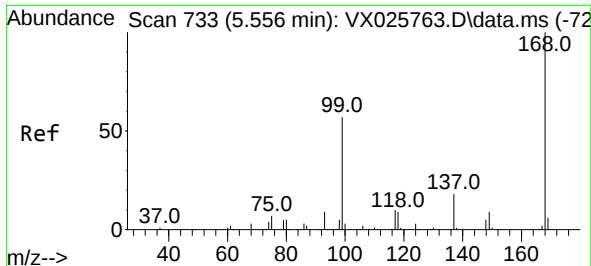
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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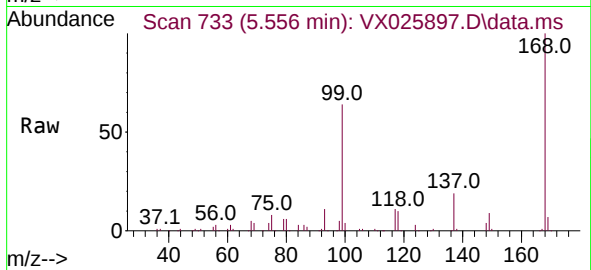
Quant Time: Dec 19 02:35:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121321W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 14 07:02:11 2021
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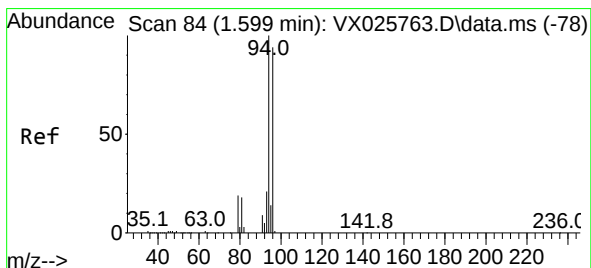
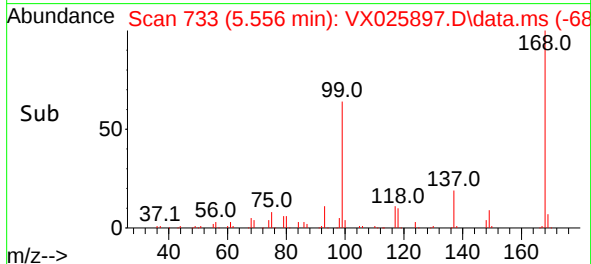
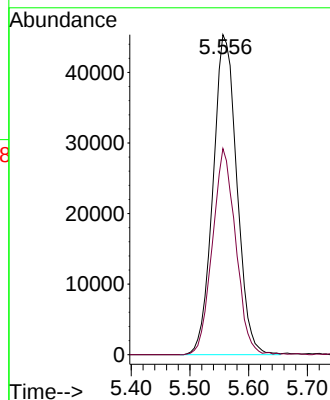


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Instrument :
MSVOA_X
ClientSampleId :

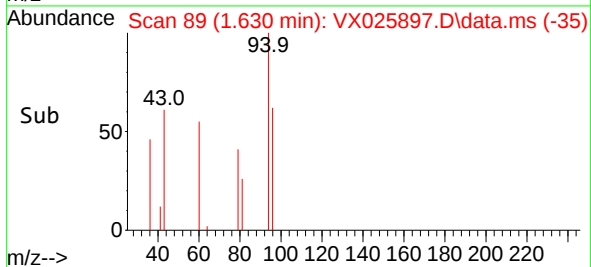
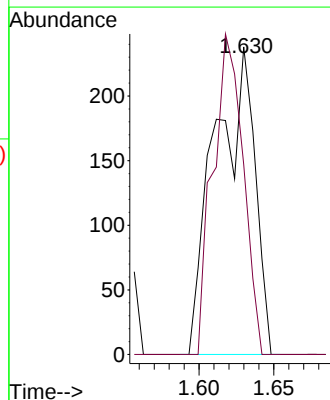
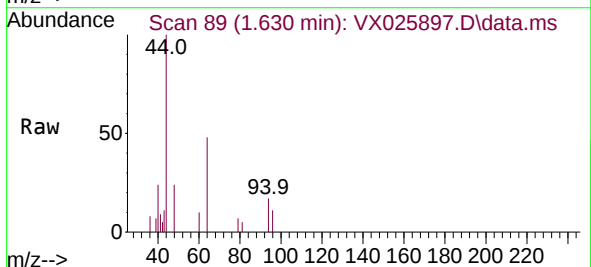


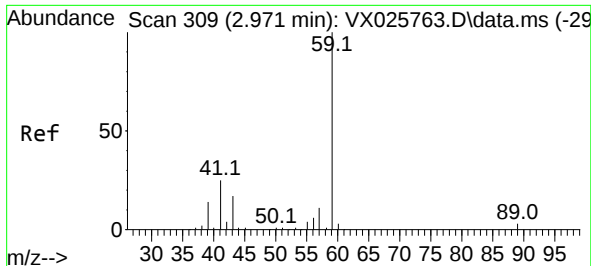
Tgt Ion:168 Resp: 127734
Ion Ratio Lower Upper
168 100
99 64.4 45.8 68.8



#5
Bromomethane
Concen: 0.390 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.030 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion: 94 Resp: 441
Ion Ratio Lower Upper
94 100
96 61.8 75.0 112.4#

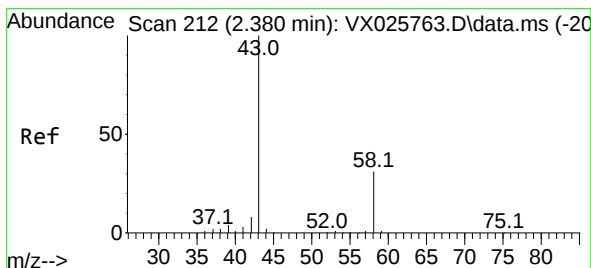
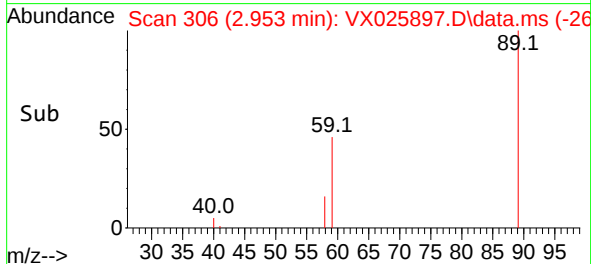
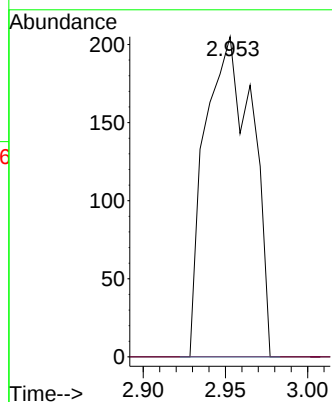
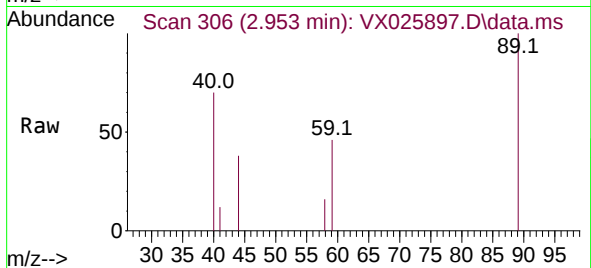




#11
Tert butyl alcohol
Concen: 1.112 ug/l
RT: 2.953 min Scan# 309
Delta R.T. -0.018 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

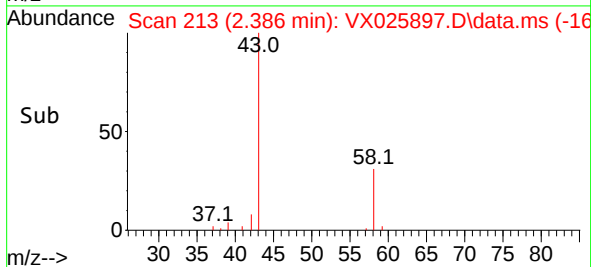
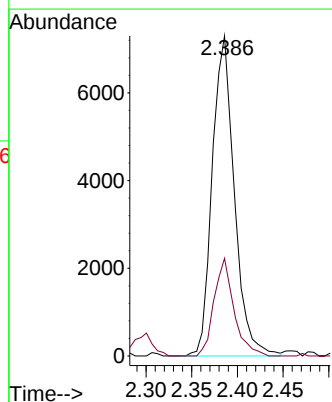
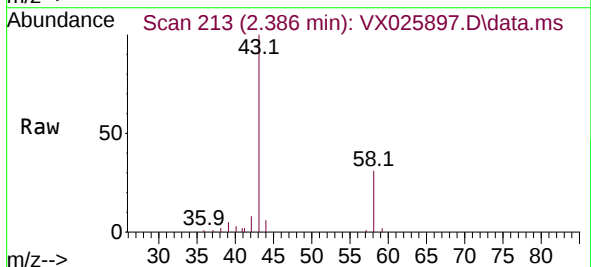
Instrument :
MSVOA_X
ClientSampleId :

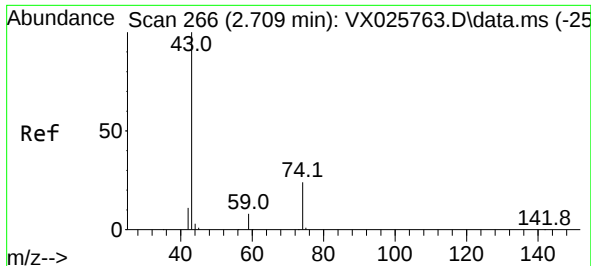
Tgt Ion: 59 Resp: 410
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion: 43 Resp: 12263
Ion Ratio Lower Upper
43 100
58 30.5 24.8 37.2

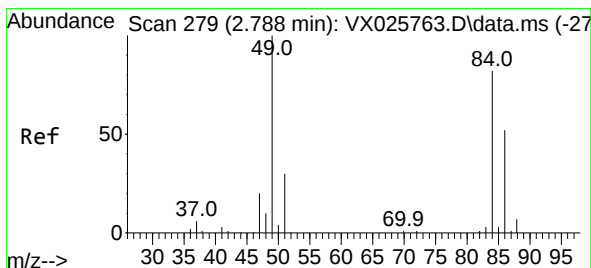
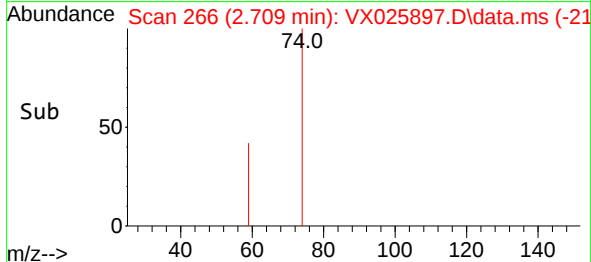
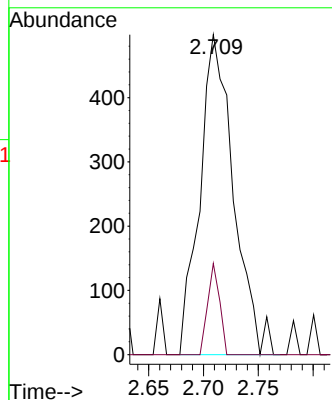
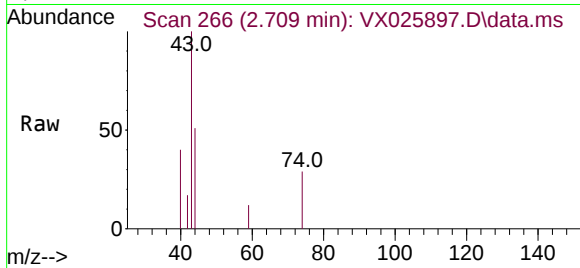




#18
Methyl Acetate
Concen: 0.381 ug/l
RT: 2.709 min Scan# 210
Delta R.T. 0.000 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

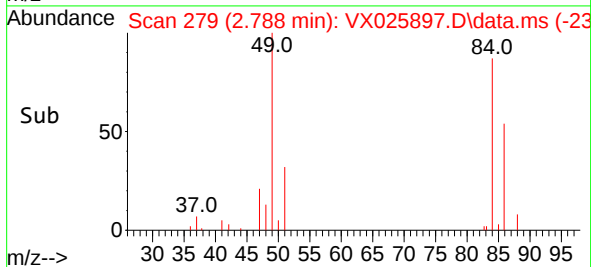
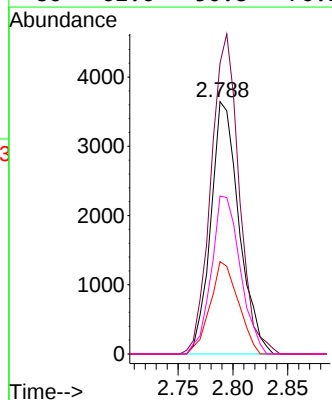
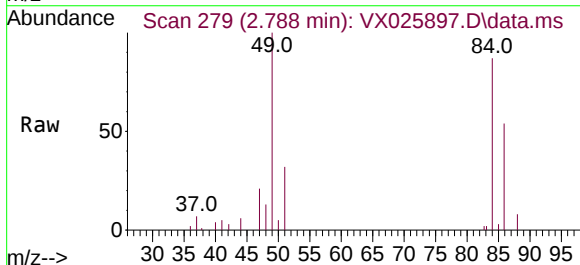
Instrument :
MSVOA_X
ClientSampleId :

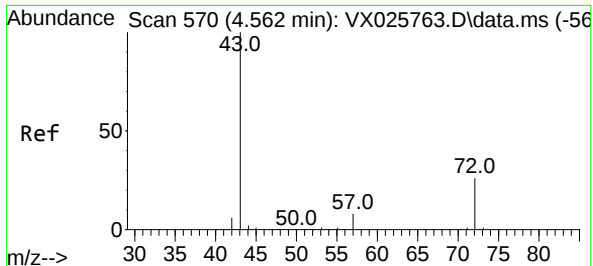
Tgt Ion: 43 Resp: 1068
Ion Ratio Lower Upper
43 100
74 10.0 19.1 28.7#



#20
Methylene Chloride
Concen: 1.824 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion: 84 Resp: 6532
Ion Ratio Lower Upper
84 100
49 115.4 97.1 145.7
51 36.6 29.3 43.9
86 62.6 50.8 76.2

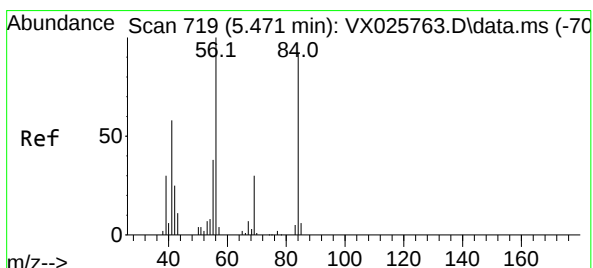
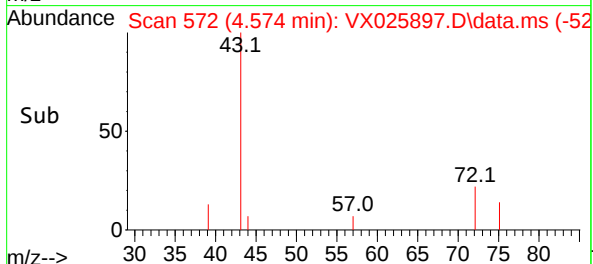
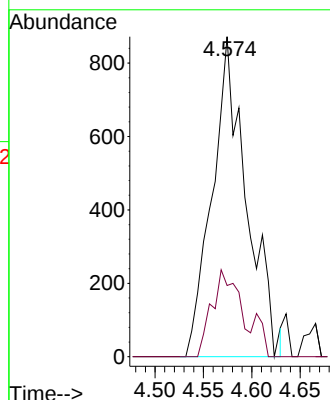
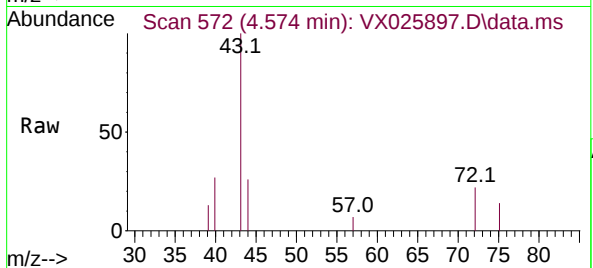




#25
2-Butanone
Concen: 1.739 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

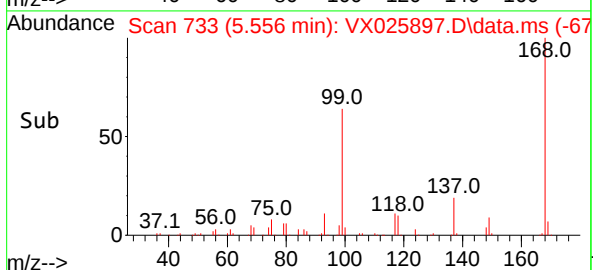
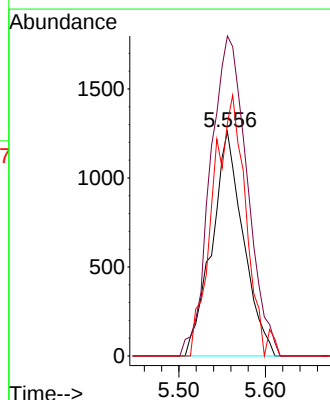
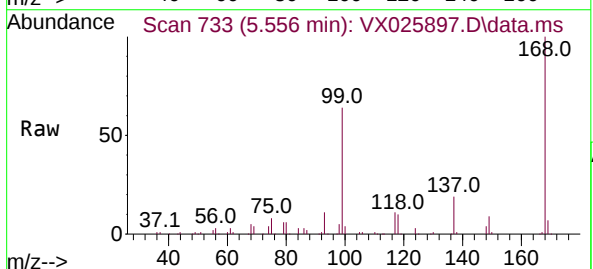
Instrument :
MSVOA_X
ClientSampleId :

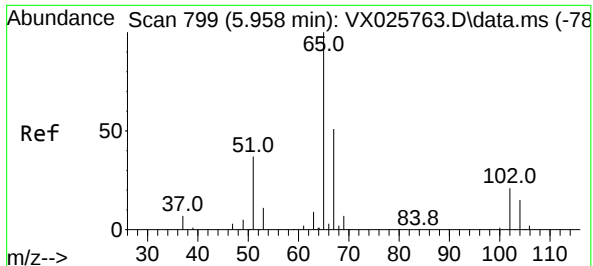
Tgt Ion: 43 Resp: 2150
Ion Ratio Lower Upper
43 100
72 22.2 21.0 31.4



#31
Cyclohexane
Concen: 1.424 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion: 56 Resp: 3183
Ion Ratio Lower Upper
56 100
69 142.7 23.9 35.9#
84 103.7 73.2 109.8





#33

1,2-Dichloroethane-d4

Concen: 54.422 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX025897.D

Acq: 17 Dec 2021 19:49

Instrument :

MSVOA_X

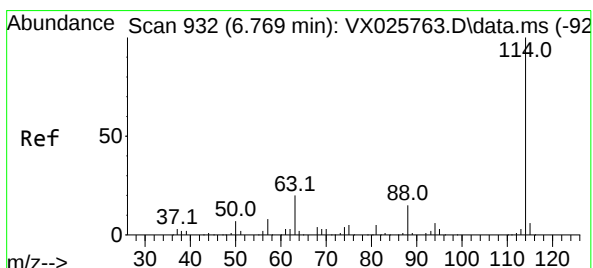
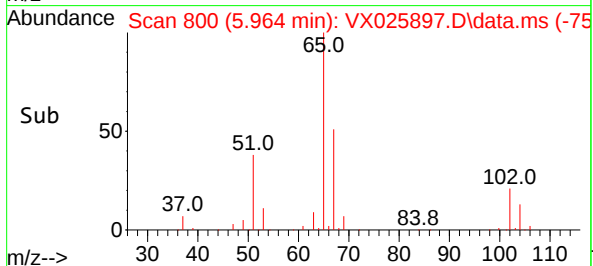
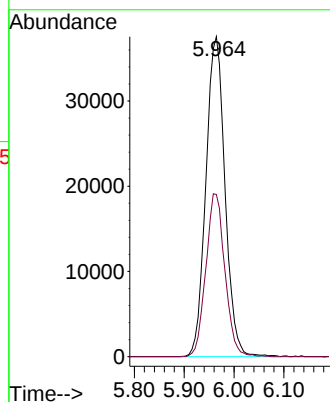
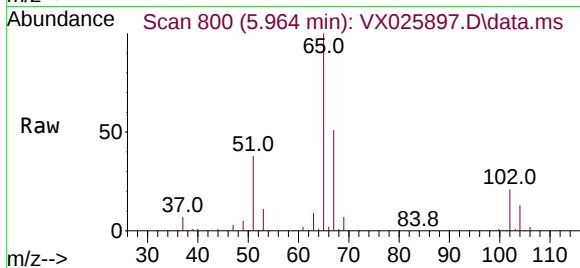
ClientSampleId :

Tgt Ion: 65 Resp: 100021

Ion Ratio Lower Upper

65 100

67 50.7 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.006 min

Lab File: VX025897.D

Acq: 17 Dec 2021 19:49

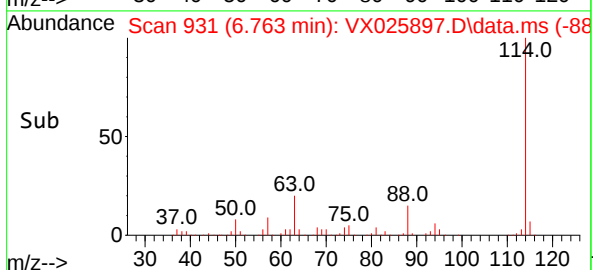
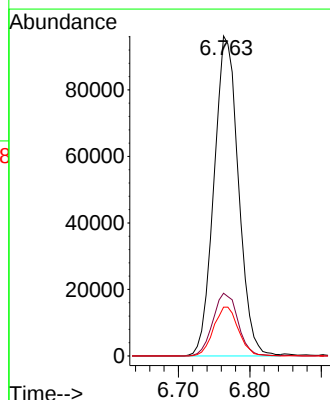
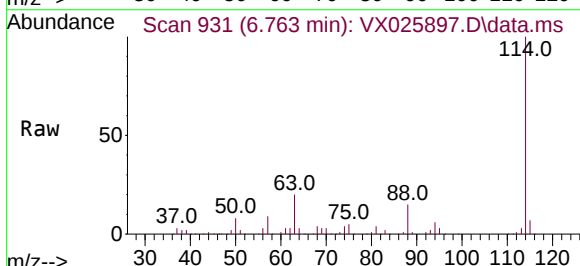
Tgt Ion: 114 Resp: 228563

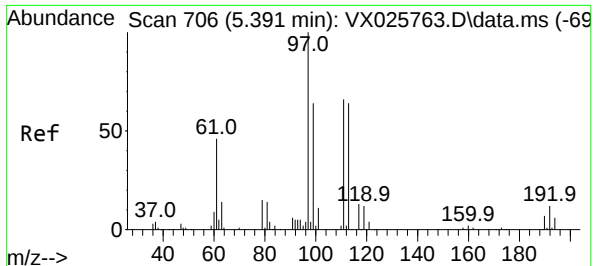
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 49.412 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

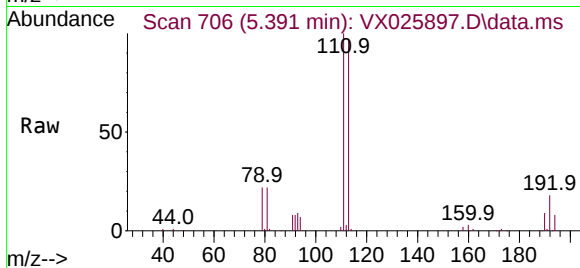
Lab File: VX025897.D

Acq: 17 Dec 2021 19:49

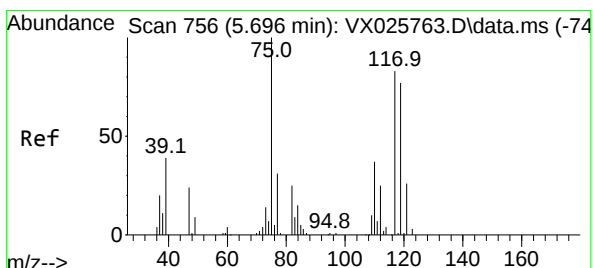
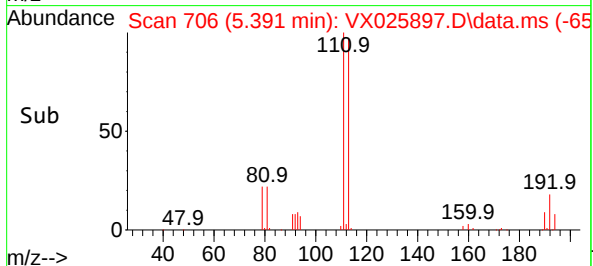
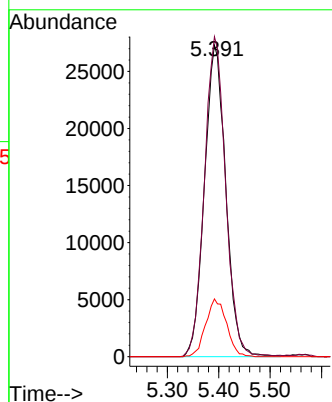
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	113	Resp:	78764
Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	18.1	15.0	22.4



#36

1,1-Dichloropropene

Concen: 5.060 ug/l

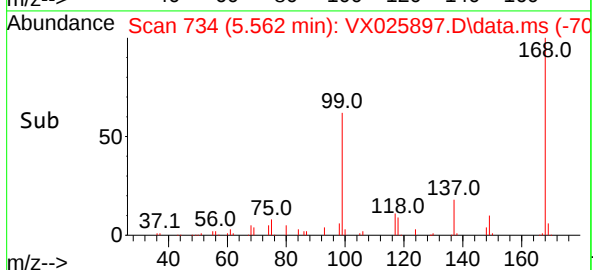
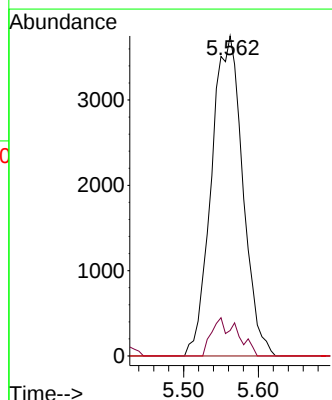
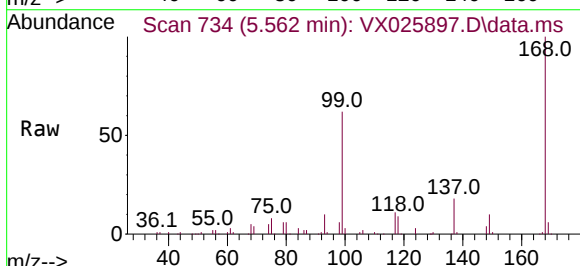
RT: 5.562 min Scan# 734

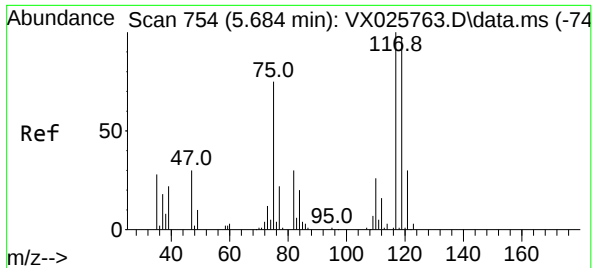
Delta R.T. -0.134 min

Lab File: VX025897.D

Acq: 17 Dec 2021 19:49

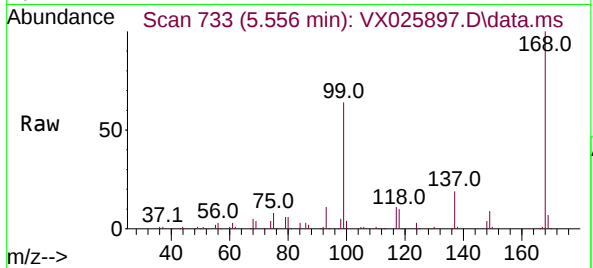
Tgt Ion:	75	Resp:	10937
Ion	Ratio	Lower	Upper
75	100		
110	9.7	18.2	54.6#
77	0.0	24.7	37.1#



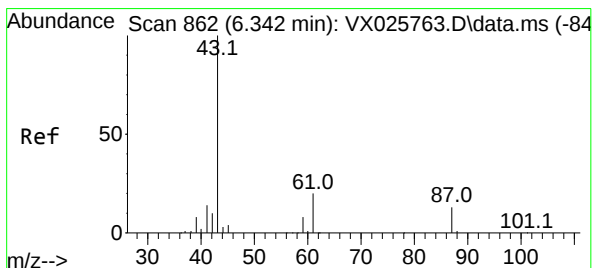
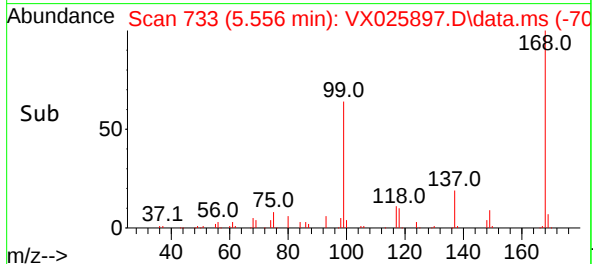
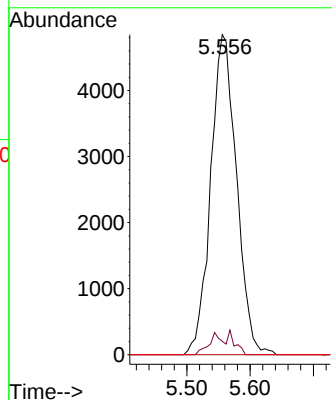


#38
Carbon Tetrachloride
Concen: 5.461 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Instrument :
MSVOA_X
ClientSampleId :

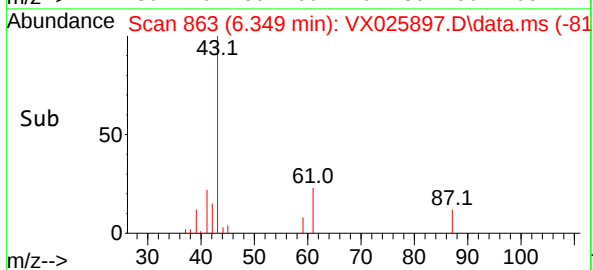
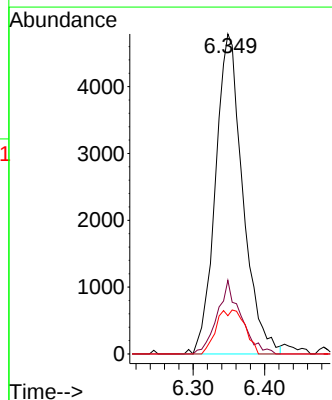
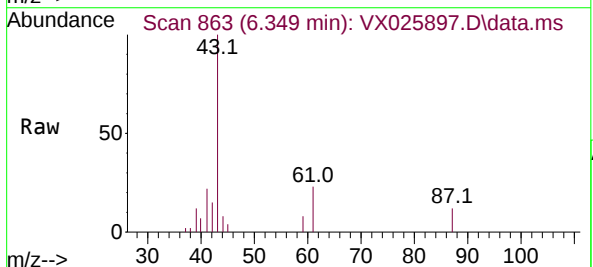


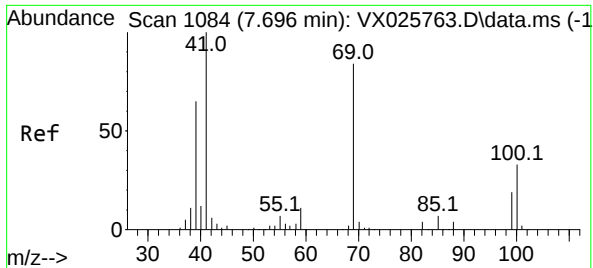
Tgt Ion:117 Resp: 13736
Ion Ratio Lower Upper
117 100
119 4.2 77.2 115.8#
121 0.0 23.8 35.8#



#43
Isopropyl Acetate
Concen: 3.286 ug/l
RT: 6.349 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion: 43 Resp: 12715
Ion Ratio Lower Upper
43 100
61 19.9 15.7 23.5
87 14.4 11.2 16.8

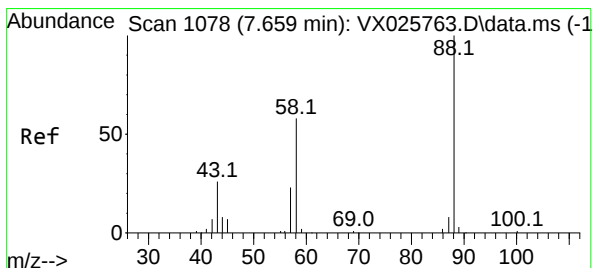
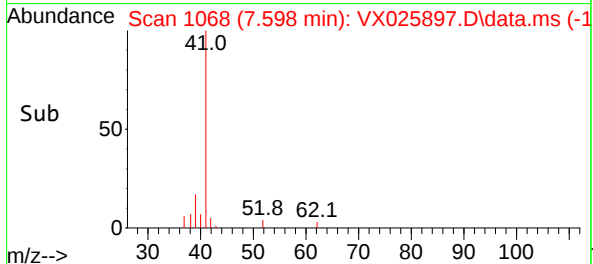
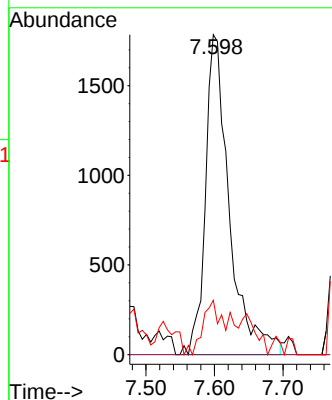
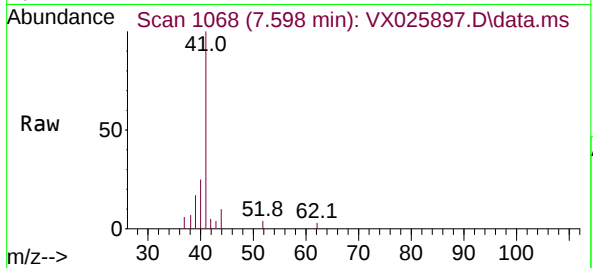




#48
Methyl methacrylate
Concen: 2.376 ug/l
RT: 7.598 min Scan# 1102
Delta R.T. -0.098 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

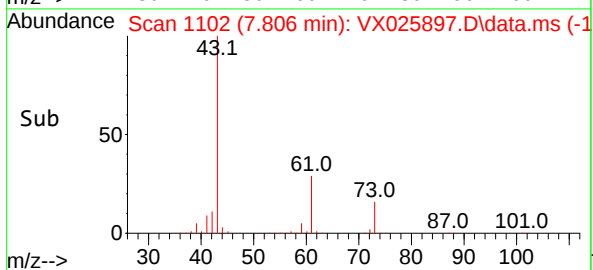
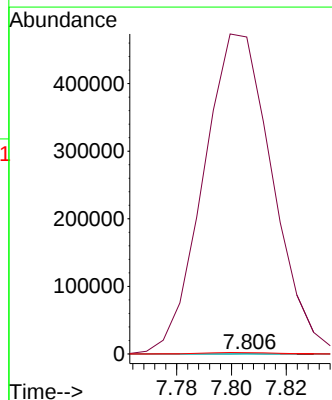
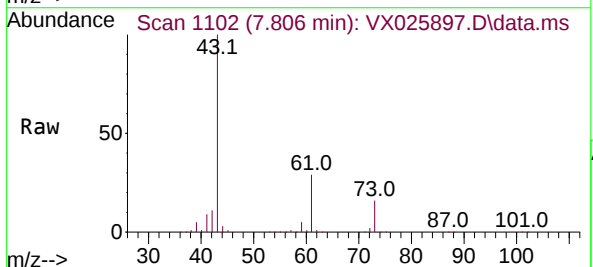
Instrument :
MSVOA_X
ClientSampleId :

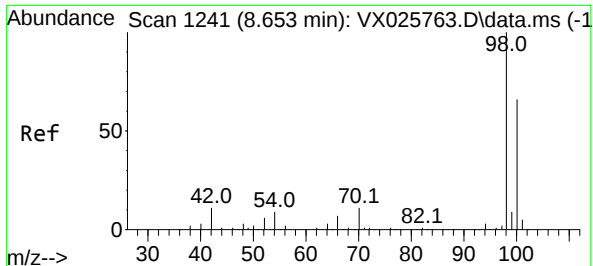
Tgt Ion: 41 Resp: 4330
Ion Ratio Lower Upper
41 100
69 0.0 67.3 100.9#
39 0.0 50.2 75.2#



#49
1,4-Dioxane
Concen: 2.891 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion: 88 Resp: 115
Ion Ratio Lower Upper
88 100
43 731384.3 25.3 37.9#
58 3404.3 51.8 77.6#

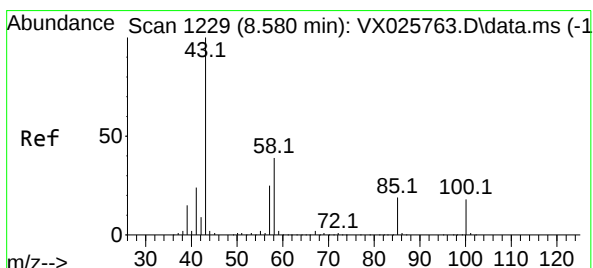
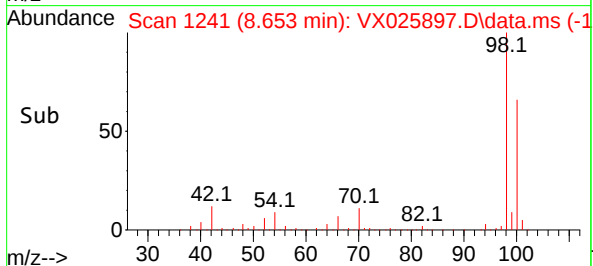
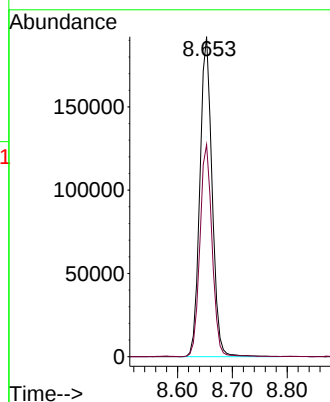
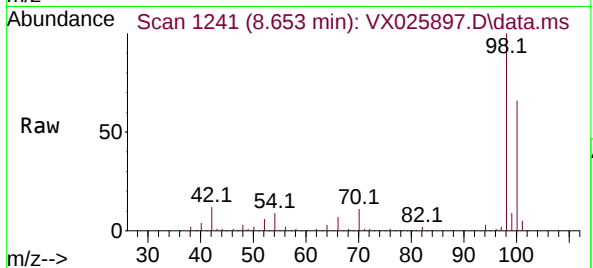




#50
Toluene-d8
Concen: 51.198 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

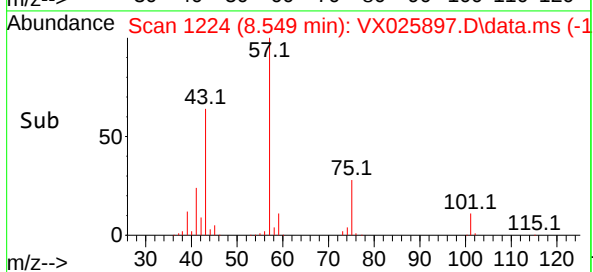
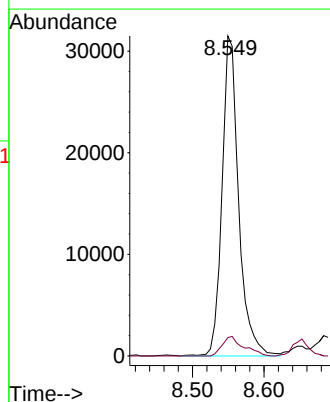
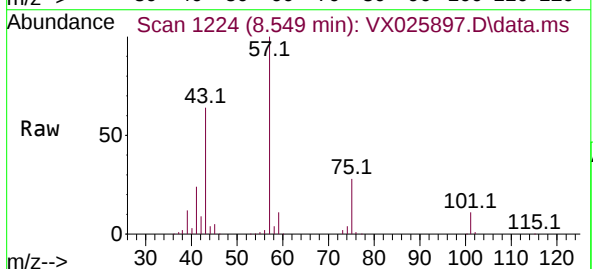
Instrument :
MSVOA_X
ClientSampleId :

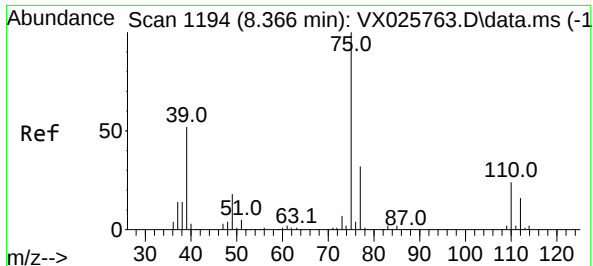
Tgt Ion: 98 Resp: 297353
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 20.087 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion: 43 Resp: 50880
Ion Ratio Lower Upper
43 100
58 7.8 30.8 46.2#

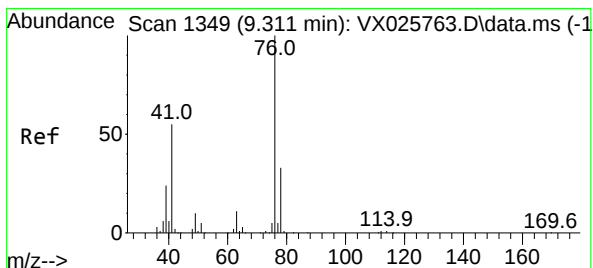
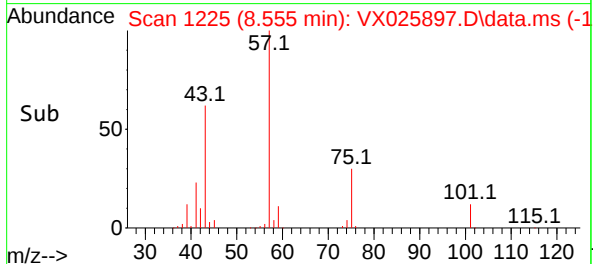
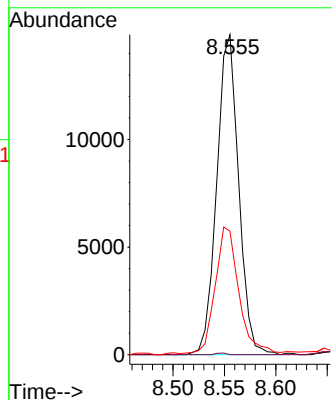
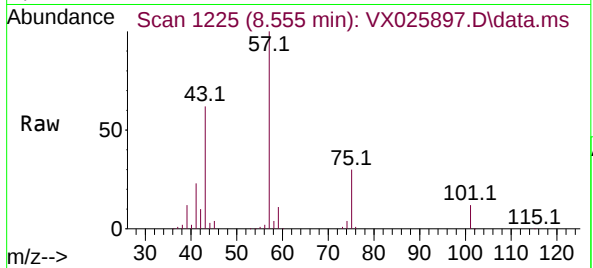




#54
 cis-1,3-Dichloropropene
 Concen: 8.453 ug/l
 RT: 8.555 min Scan# 1194
 Delta R.T. 0.189 min
 Lab File: VX025897.D
 Acq: 17 Dec 2021 19:49

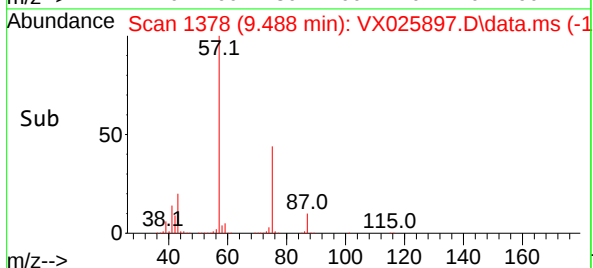
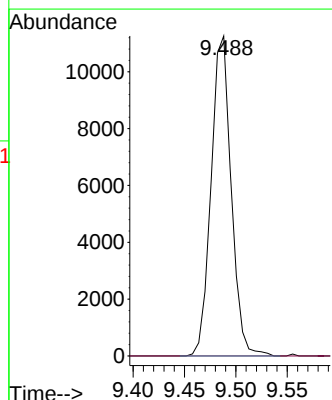
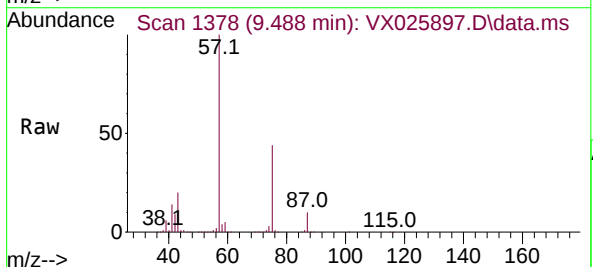
Instrument :
 MSVOA_X
 ClientSampleId :

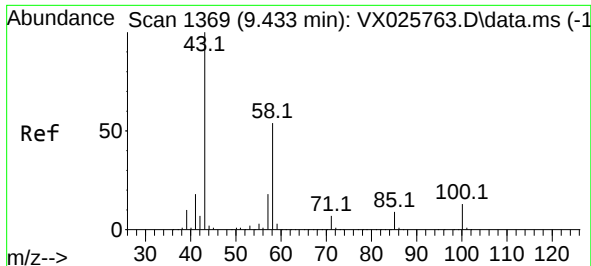
Tgt Ion: 75 Resp: 21985
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.3 37.9#
 39 38.2 41.4 62.0#



#57
 1,3-Dichloropropane
 Concen: 5.296 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX025897.D
 Acq: 17 Dec 2021 19:49

Tgt Ion: 76 Resp: 15307
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

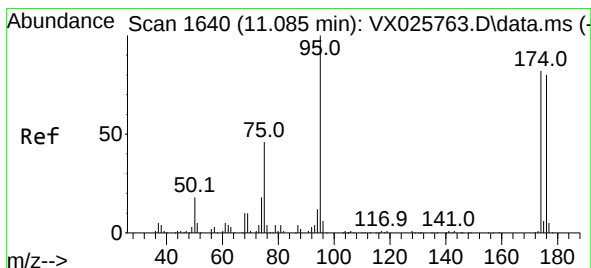
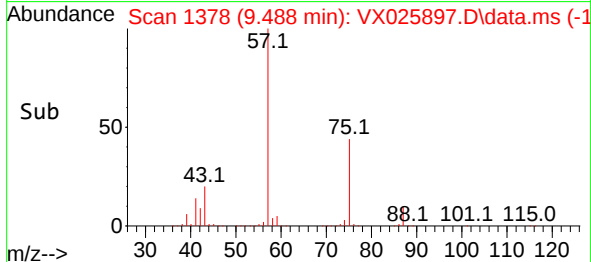
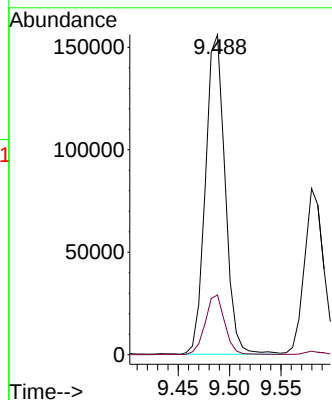
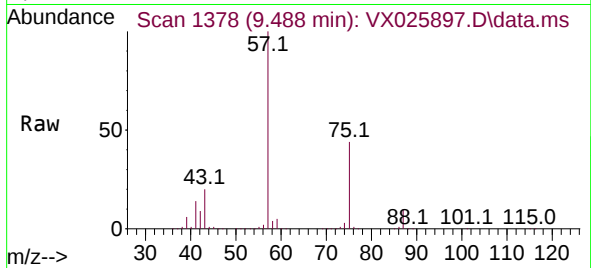




#59
2-Hexanone
Concen: 108.081 ug/l
RT: 9.488 min Scan# 11
Delta R.T. 0.055 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

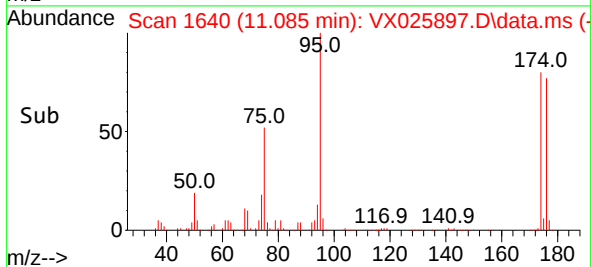
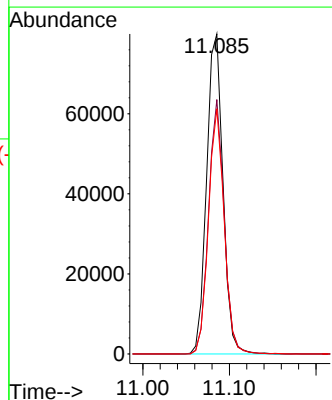
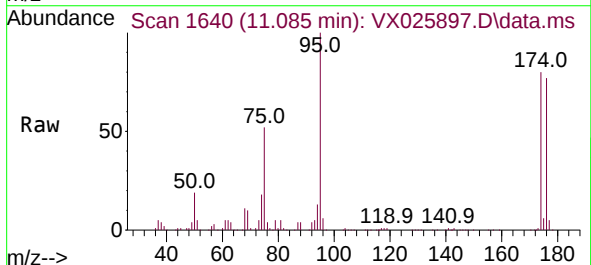
Instrument :
MSVOA_X
ClientSampleId :

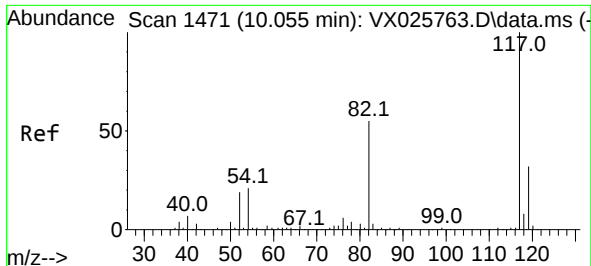
Tgt Ion: 43 Resp: 207425
Ion Ratio Lower Upper
43 100
58 18.6 26.9 80.6#



#62
4-Bromofluorobenzene
Concen: 47.469 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion: 95 Resp: 104726
Ion Ratio Lower Upper
95 100
174 76.3 0.0 157.4
176 73.8 0.0 154.6

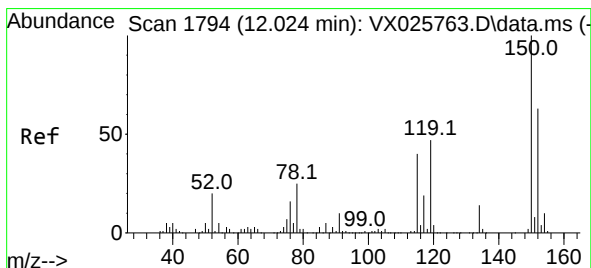
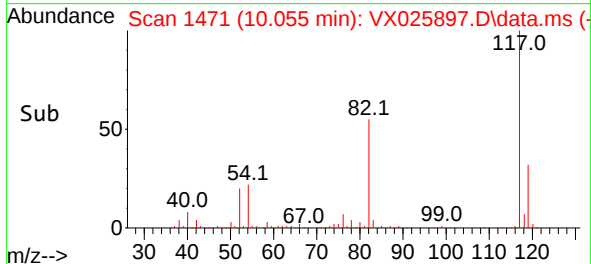
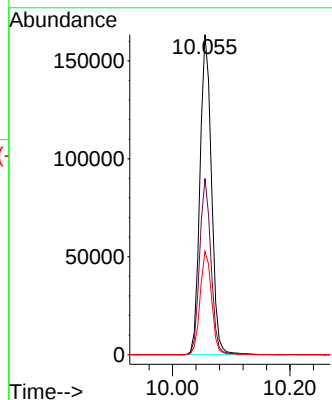
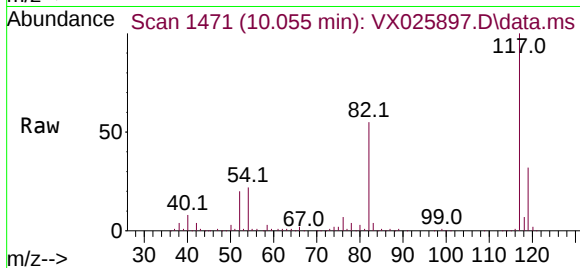




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

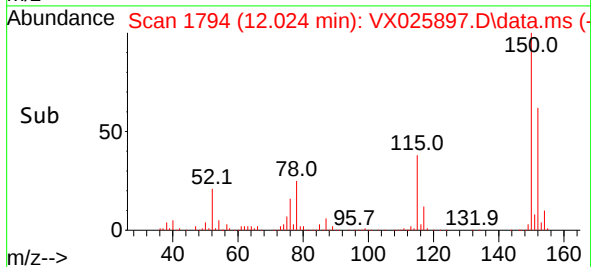
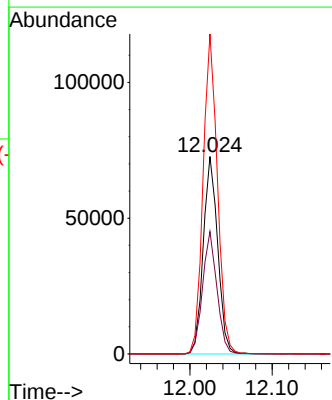
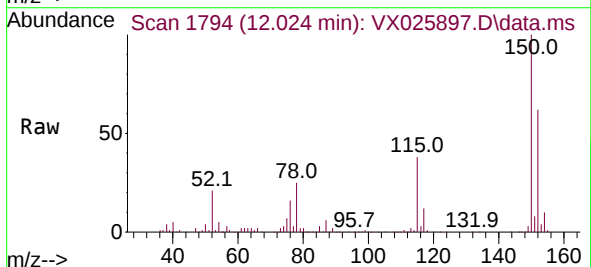
Instrument :
MSVOA_X
ClientSampleId :

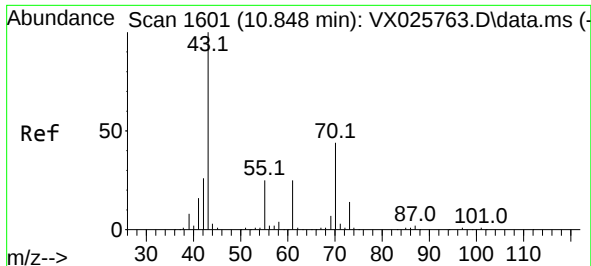
Tgt Ion:117 Resp: 221739
Ion Ratio Lower Upper
117 100
82 55.1 43.8 65.6
119 32.3 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion:152 Resp: 88739
Ion Ratio Lower Upper
152 100
115 61.9 41.3 123.9
150 160.5 0.0 351.8

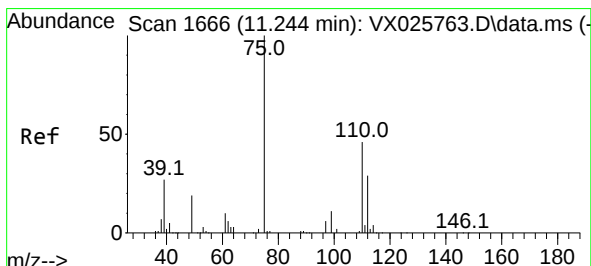
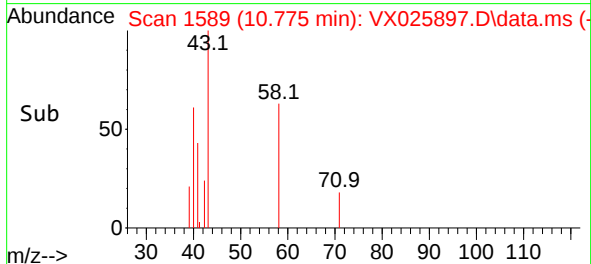
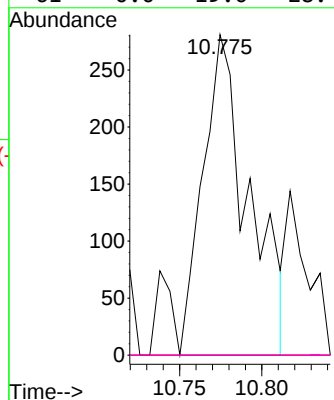
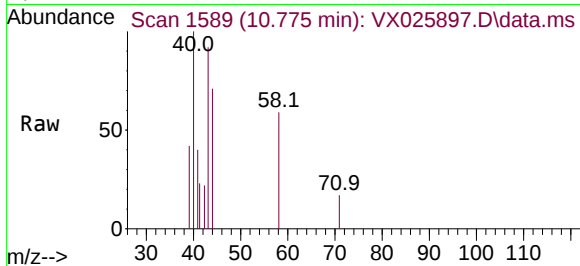




#74
N-amy1 acetate
Concen: 0.210 ug/l
RT: 10.775 min Scan# 1600
Delta R.T. -0.073 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

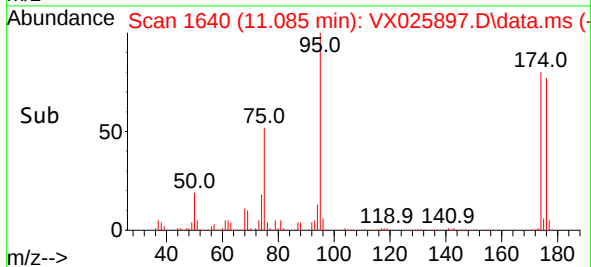
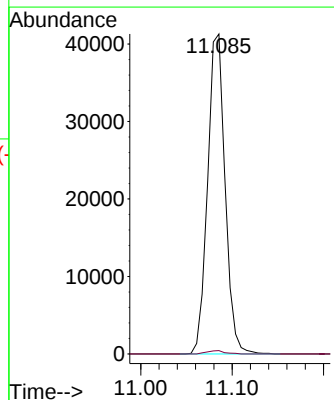
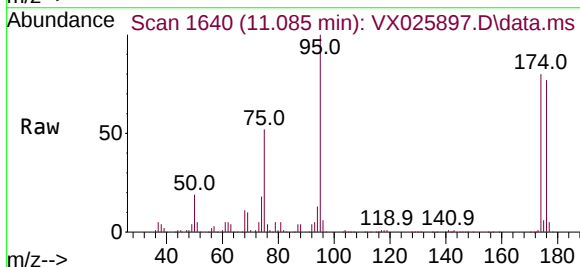
Instrument :
MSVOA_X
ClientSampleId :

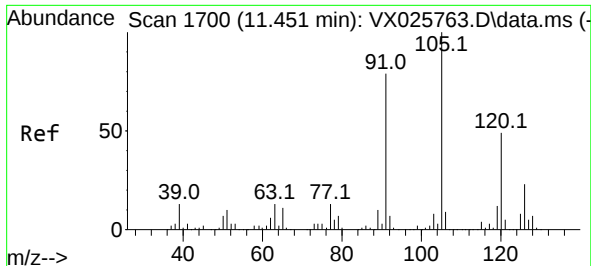
Tgt Ion: 43	Resp: 544
Ion Ratio	Lower Upper
43 100	
70 0.0	34.1 51.1#
55 0.0	19.2 28.8#
61 0.0	19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 26.923 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX025897.D
Acq: 17 Dec 2021 19:49

Tgt Ion: 75	Resp: 54738
Ion Ratio	Lower Upper
75 100	
77 1.1	19.0 57.0#

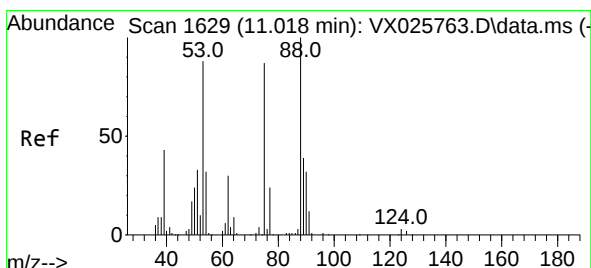
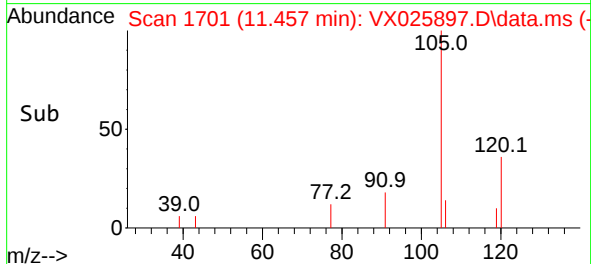
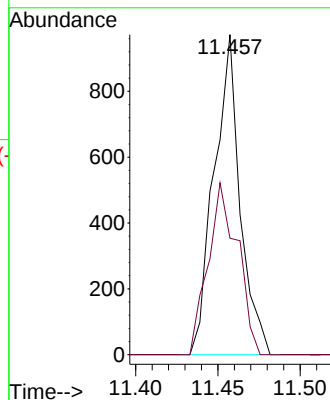
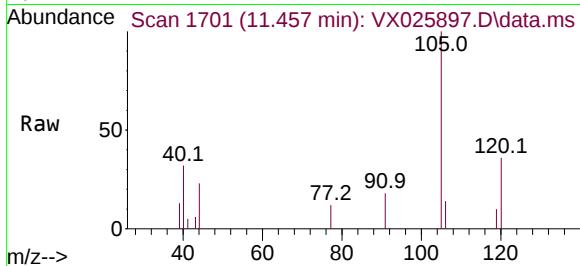




#80
 1,3,5-Trimethylbenzene
 Concen: 0.201 ug/l
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX025897.D
 Acq: 17 Dec 2021 19:49

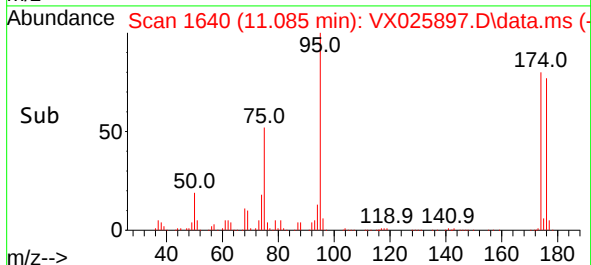
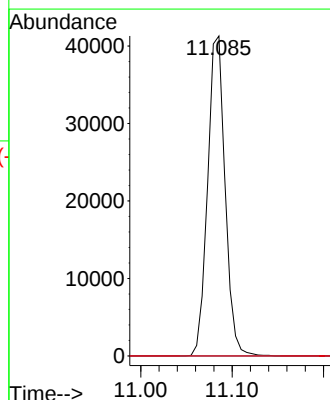
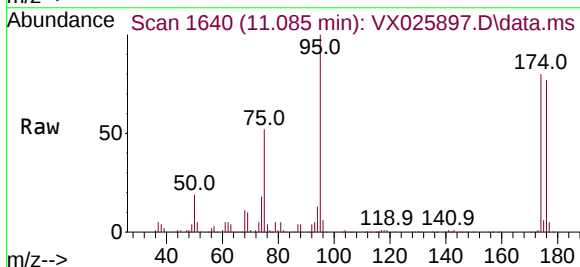
Instrument :
 MSVOA_X
 ClientSampleId :

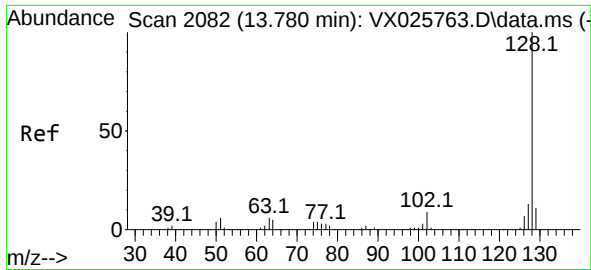
Tgt Ion:105 Resp: 1071
 Ion Ratio Lower Upper
 105 100
 120 60.8 24.9 74.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.467 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.067 min
 Lab File: VX025897.D
 Acq: 17 Dec 2021 19:49

Tgt Ion: 75 Resp: 54738
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 38.3 57.5#





#95

Naphthalene

Concen: 2.424 ug/l

RT: 13.786 min Scan# 20

Delta R.T. 0.006 min

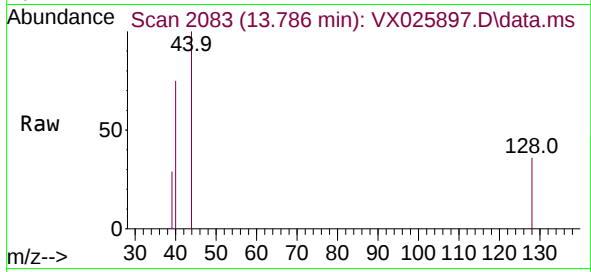
Lab File: VX025897.D

Acq: 17 Dec 2021 19:49

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 83

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

