

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111422\
 Data File : VX032797.D
 Acq On : 14 Nov 2022 16:13
 Operator : JC/MD
 Sample : N5572-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31911

Quant Time: Nov 15 05:08:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102622W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 27 08:28:06 2022
 Response via : Initial Calibration

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

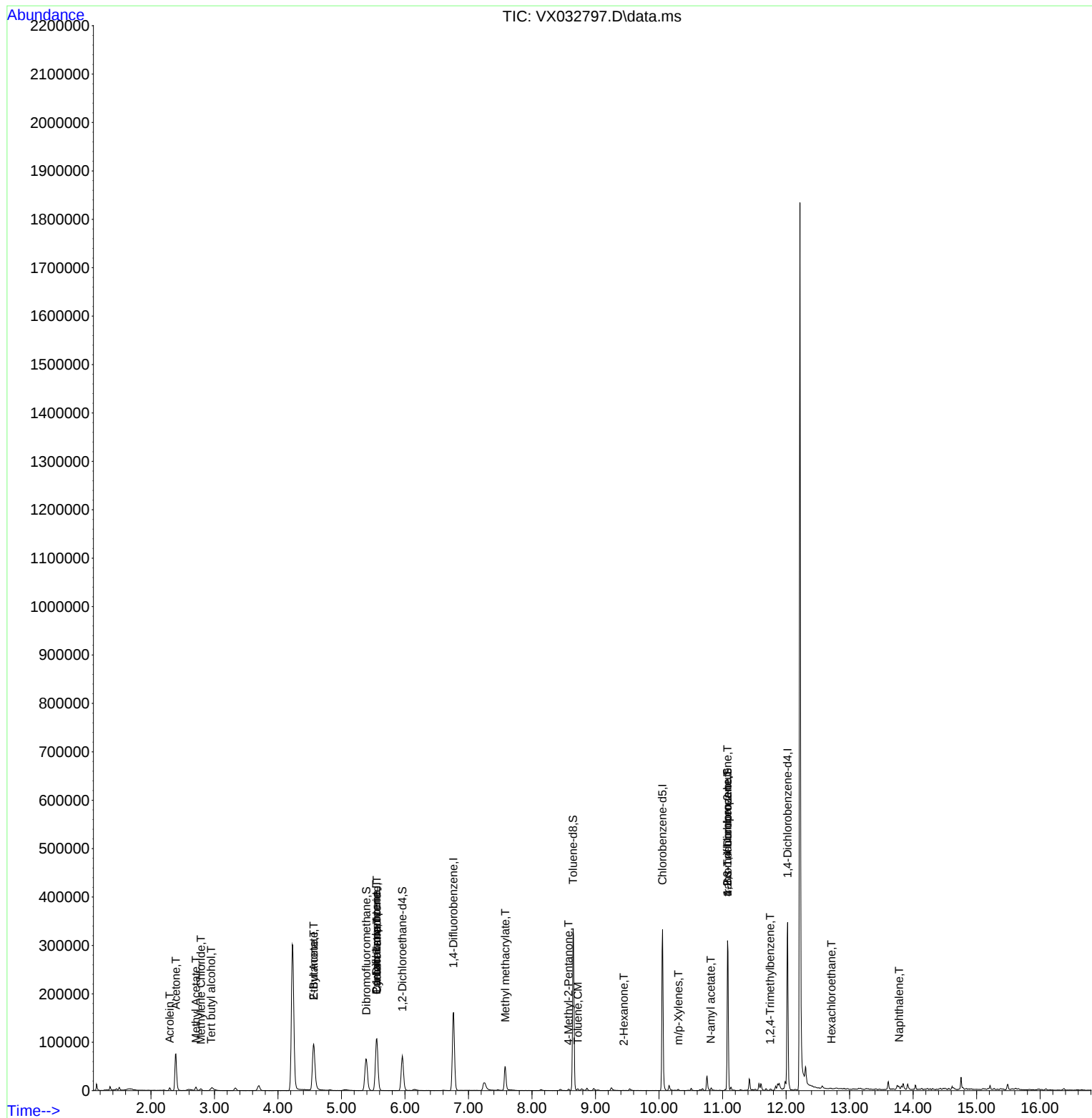
Internal Standards						
1) Pentafluorobenzene	5.550	168	101910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	164098	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	146592	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	69590	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69605	49.156	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.320%		
35) Dibromofluoromethane	5.391	113	56827	48.548	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.100%		
50) Toluene-d8	8.647	98	202806	49.827	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	99.660%		
62) 4-Bromofluorobenzene	11.079	95	76611	48.186	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.380%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	2362	11.460	ug/l #	89
13) Acrolein	2.294	56	42	0.204	ug/l #	1
16) Acetone	2.392	43	94214	183.062	ug/l	100
18) Methyl Acetate	2.709	43	8554	5.111	ug/l	99
20) Methylene Chloride	2.788	84	270	0.229	ug/l #	79
25) 2-Butanone	4.562	43	168528	211.361	ug/l	98
31) Cyclohexane	5.556	56	2072	1.207	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	8086	4.961	ug/l #	50
37) Ethyl Acetate	4.562	43	168481	99.300	ug/l #	67
38) Carbon Tetrachloride	5.556	117	10507	5.812	ug/l #	18
48) Methyl methacrylate	7.580	41	14490	10.770	ug/l #	47
51) 4-Methyl-2-Pentanone	8.574	43	1939	1.182	ug/l	94
52) Toluene	8.720	92	1131	0.376	ug/l	98
59) 2-Hexanone	9.445	43	583	0.479	ug/l	65
68) m/p-Xylenes	10.305	106	639	0.280	ug/l	95
74) N-amyl acetate	10.817	43	534	0.256	ug/l #	35
76) 1,2,3-Trichloropropane	11.079	75	41305	26.679	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41305	84.894	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	1322	0.282	ug/l	93
90) Hexachloroethane	12.713	117	217	0.277	ug/l #	12
95) Naphthalene	13.780	128	3121	0.571	ug/l	98

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

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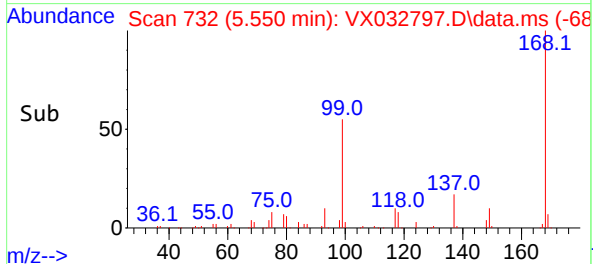
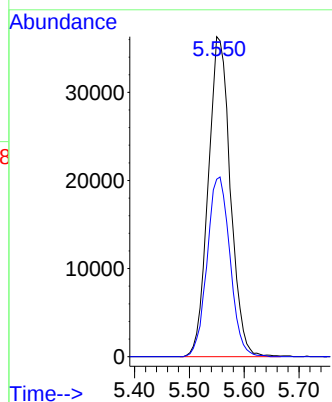
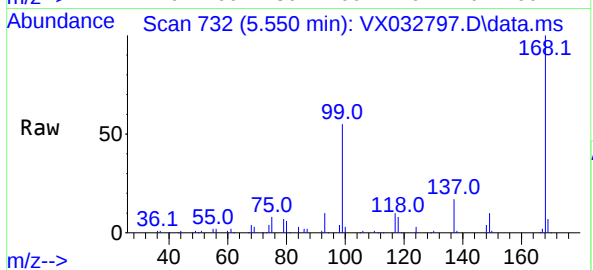




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

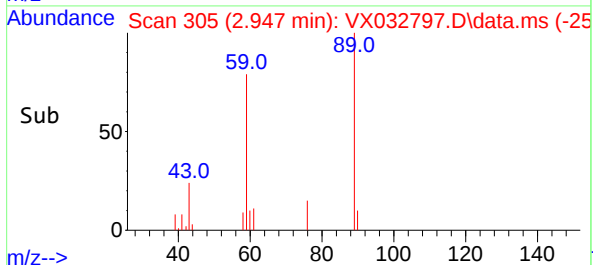
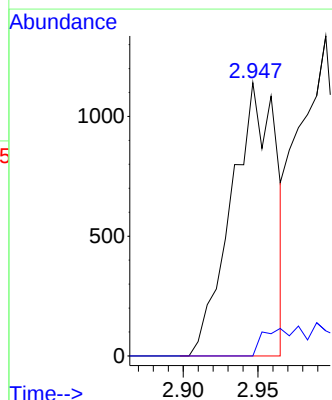
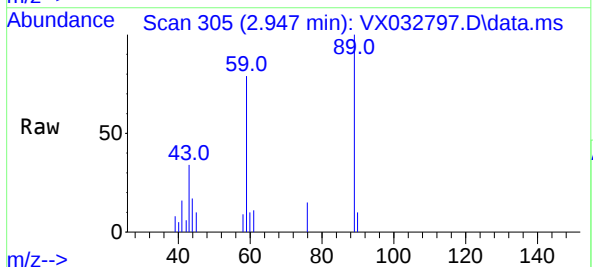
Instrument :
MSVOA_X
ClientSampleId :
31911

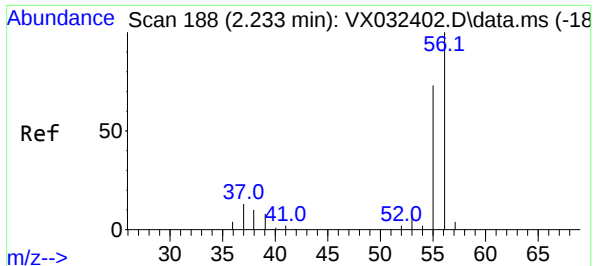
Tgt Ion:168 Resp: 101910
Ion Ratio Lower Upper
168 100
99 55.4 46.1 69.1



#11
Tert butyl alcohol
Concen: 11.460 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.018 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Tgt Ion: 59 Resp: 2362
Ion Ratio Lower Upper
59 100
57 6.1 8.2 12.4#

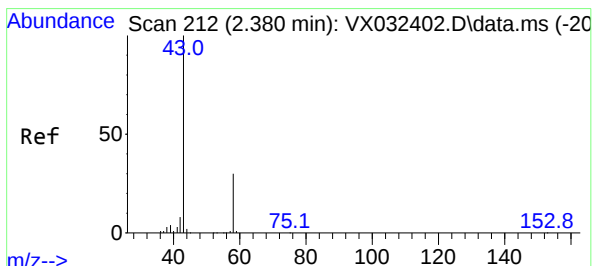
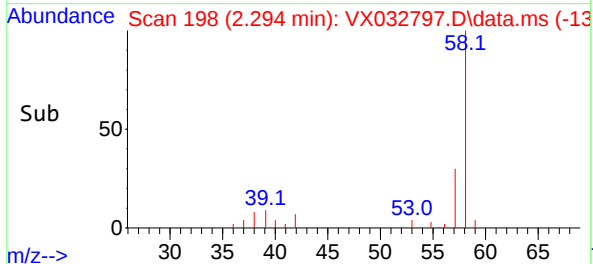
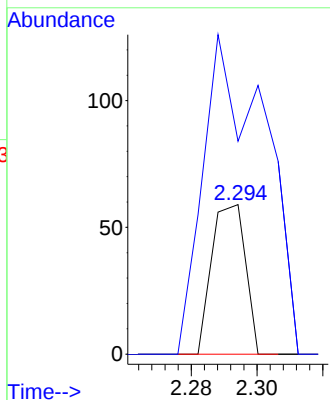
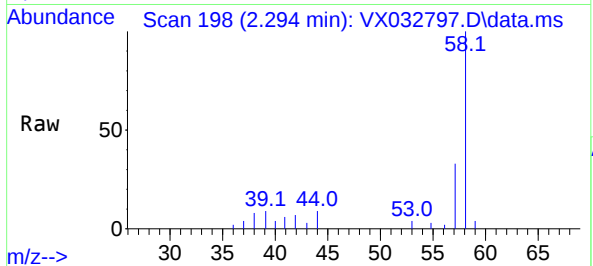




#13
Acrolein
Concen: 0.204 ug/l
RT: 2.294 min Scan# 198
Delta R.T. 0.061 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

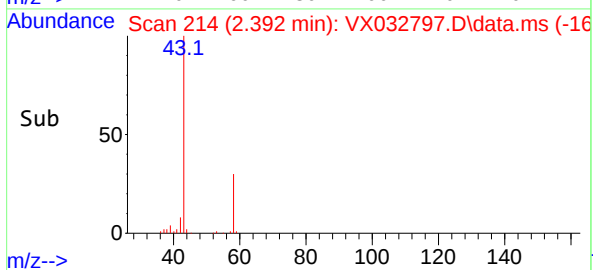
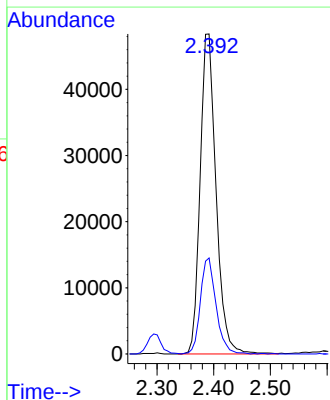
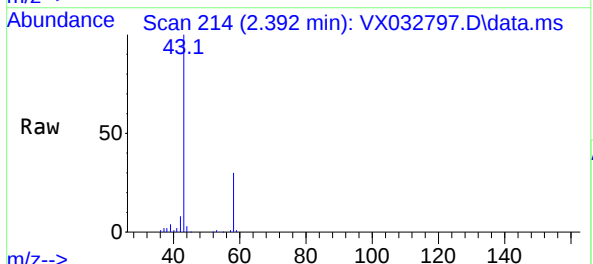
Instrument :
MSVOA_X
ClientSampleId :
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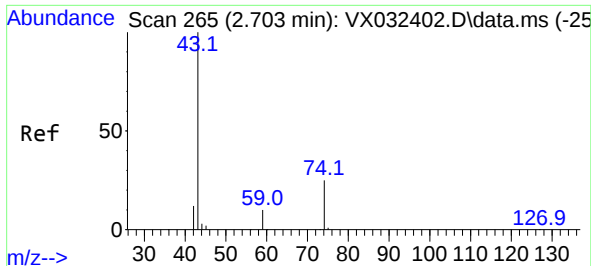
Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 390.5 56.9 85.3#



#16
Acetone
Concen: 183.062 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.012 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Tgt Ion: 43 Resp: 94214
Ion Ratio Lower Upper
43 100
58 30.0 23.8 35.8

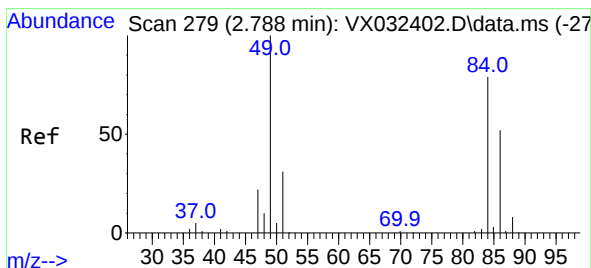
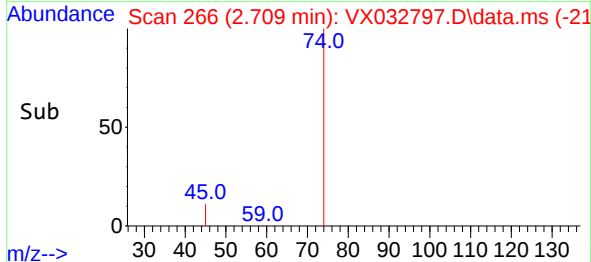
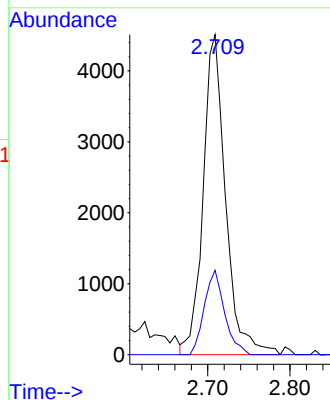
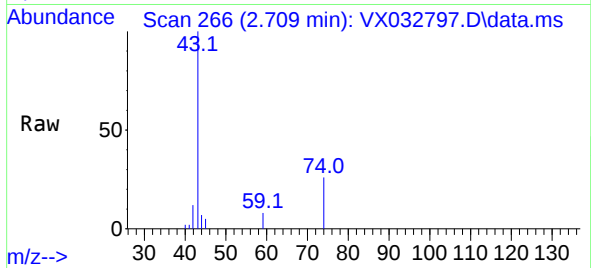




#18
Methyl Acetate
Concen: 5.111 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

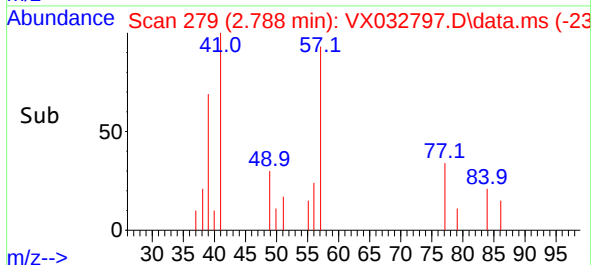
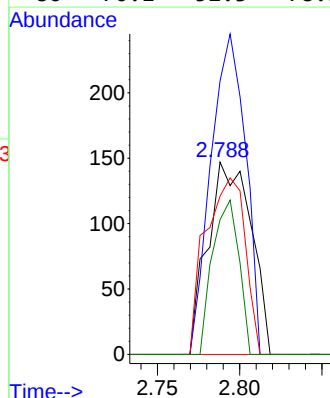
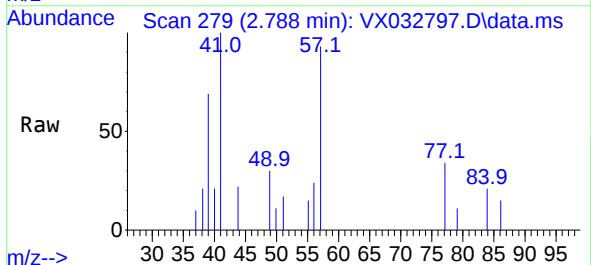
Instrument :
MSVOA_X
ClientSampleId :
31911

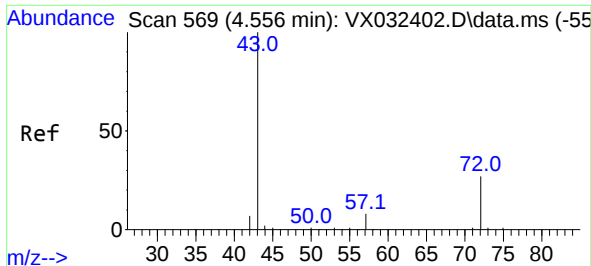
Tgt Ion: 43 Resp: 8554
Ion Ratio Lower Upper
43 100
74 23.8 19.4 29.0



#20
Methylene Chloride
Concen: 0.229 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Tgt Ion: 84 Resp: 270
Ion Ratio Lower Upper
84 100
49 142.2 101.0 151.6
51 82.3 31.1 46.7#
86 70.1 52.3 78.5

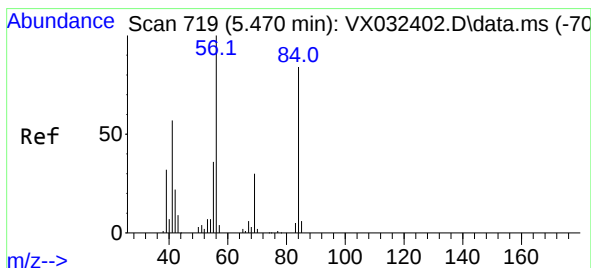
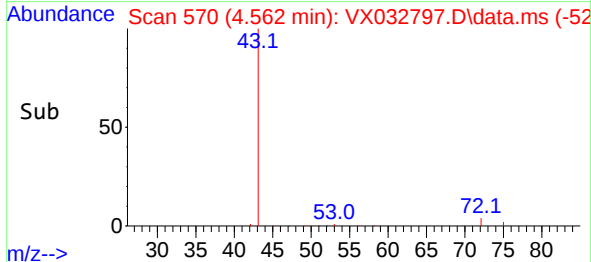
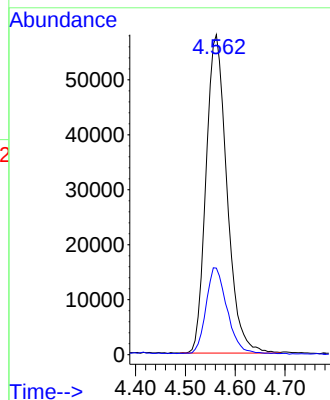
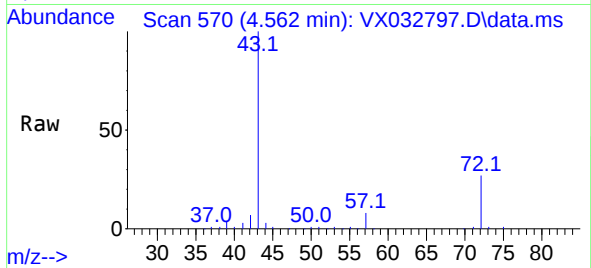




#25
2-Butanone
Concen: 211.361 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

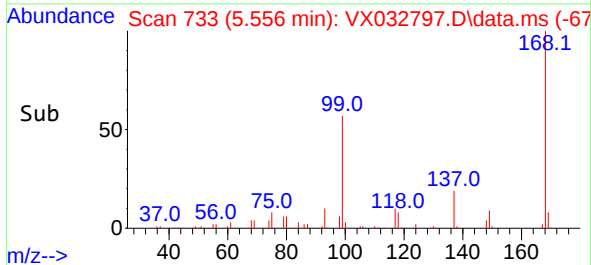
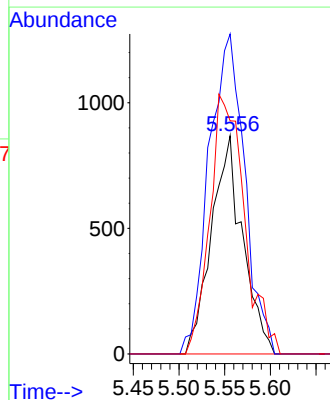
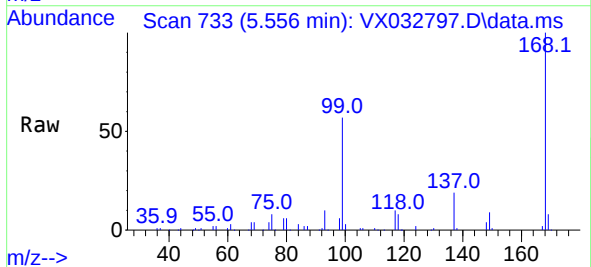
Instrument :
MSVOA_X
ClientSampleId :
31911

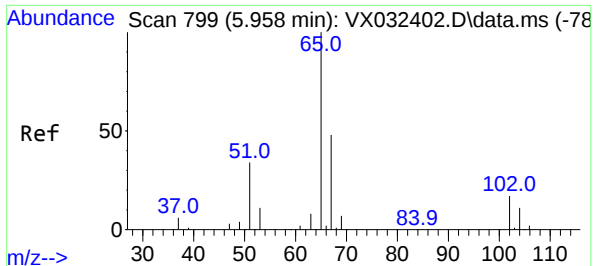
Tgt Ion: 43 Resp: 168528
Ion Ratio Lower Upper
43 100
72 26.8 22.2 33.2



#31
Cyclohexane
Concen: 1.207 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Tgt Ion: 56 Resp: 2072
Ion Ratio Lower Upper
56 100
69 146.6 24.1 36.1#
84 106.8 66.9 100.3#





#33

1,2-Dichloroethane-d4

Concen: 49.156 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX032797.D

Acq: 14 Nov 2022 16:13

Instrument :

MSVOA_X

ClientSampleId :

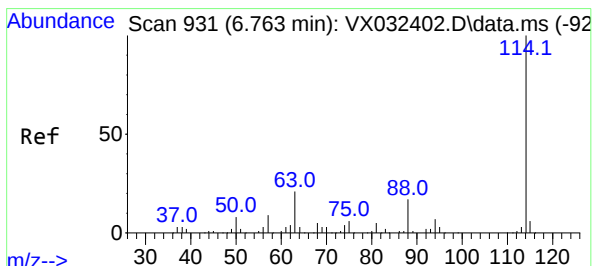
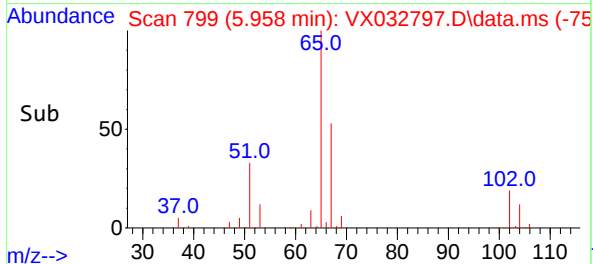
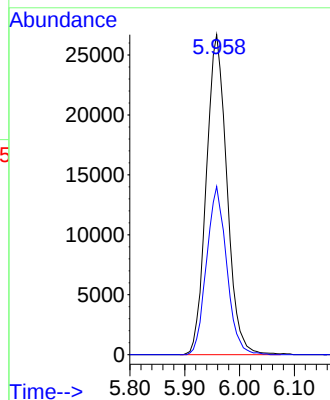
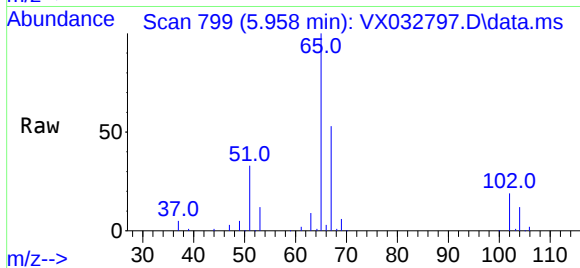
31911

Tgt Ion: 65 Resp: 69605

Ion Ratio Lower Upper

65 100

67 51.2 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX032797.D

Acq: 14 Nov 2022 16:13

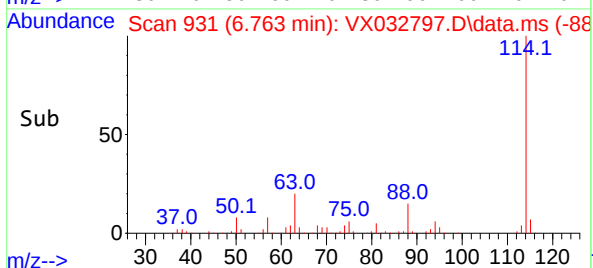
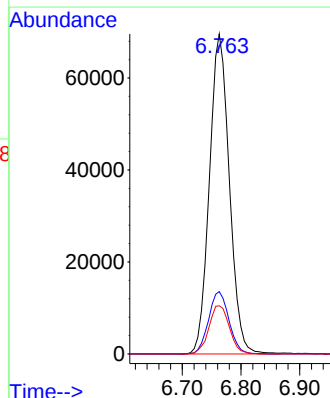
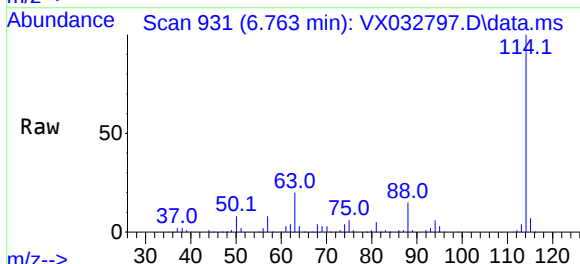
Tgt Ion: 114 Resp: 164098

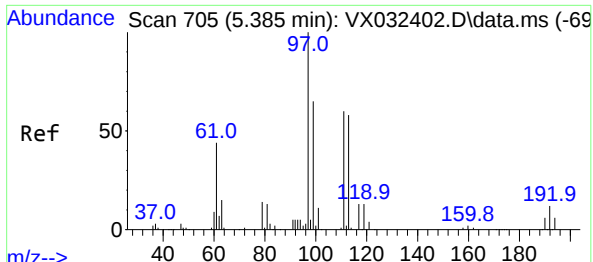
Ion Ratio Lower Upper

114 100

63 19.5 0.0 41.6

88 15.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 48.548 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX032797.D

Acq: 14 Nov 2022 16:13

Instrument :

MSVOA_X

ClientSampleId :

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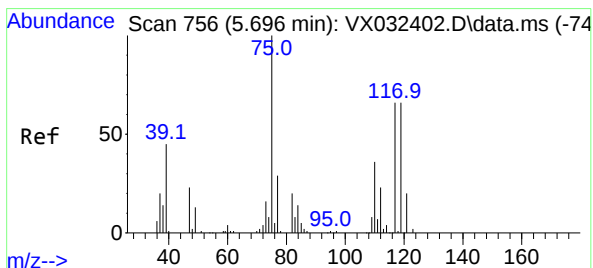
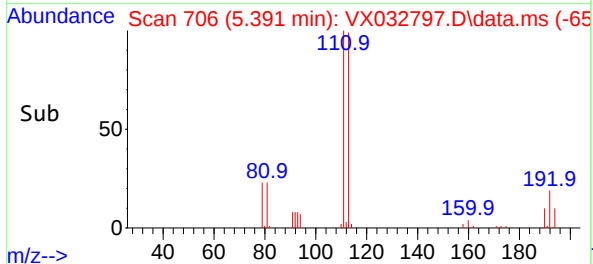
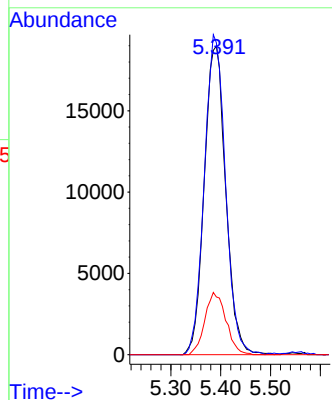
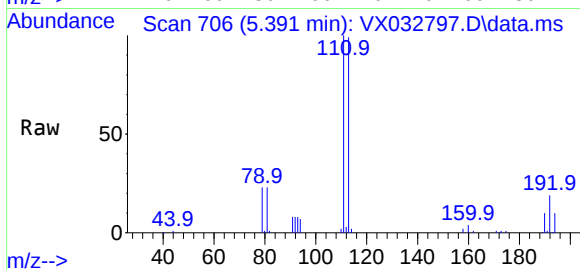
Tgt Ion:113 Resp: 56827

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

192 19.9 15.4 23.2



#36

1,1-Dichloropropene

Concen: 4.961 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX032797.D

Acq: 14 Nov 2022 16:13

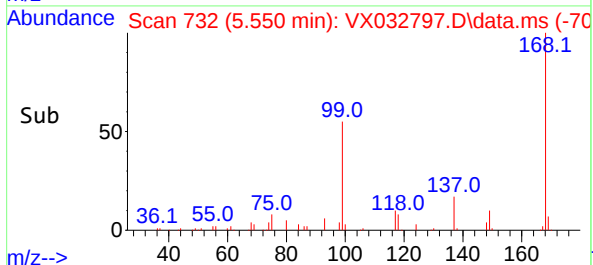
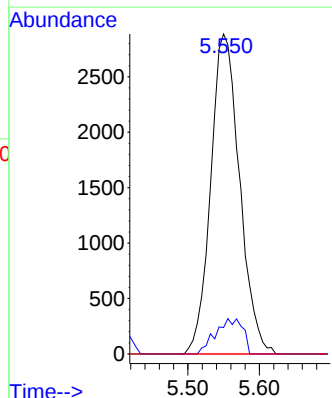
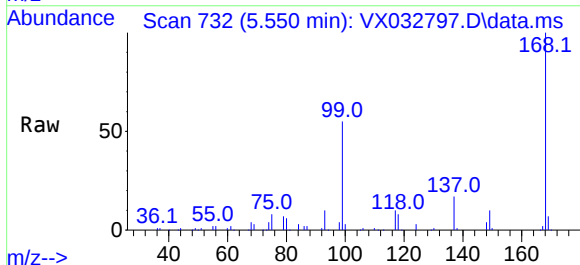
Tgt Ion: 75 Resp: 8086

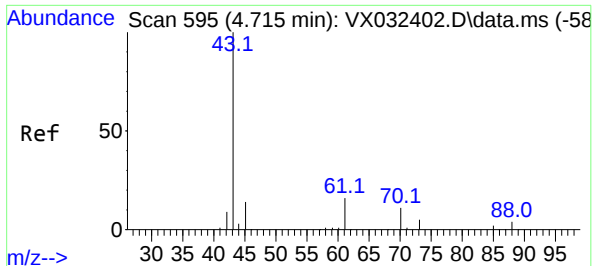
Ion Ratio Lower Upper

75 100

110 10.4 18.4 55.2#

77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 99.300 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX032797.D

Acq: 14 Nov 2022 16:13

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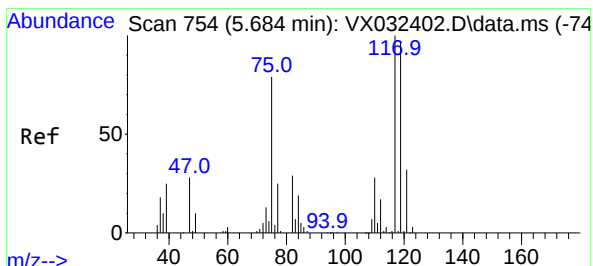
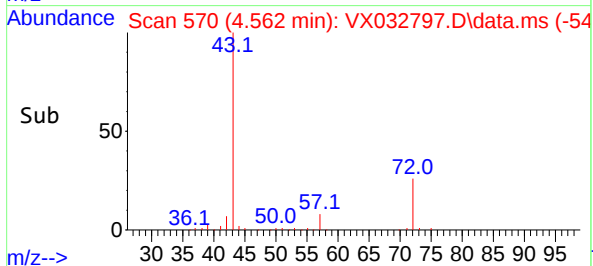
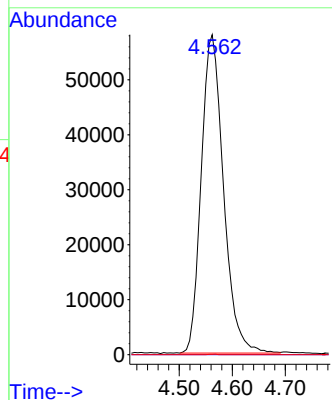
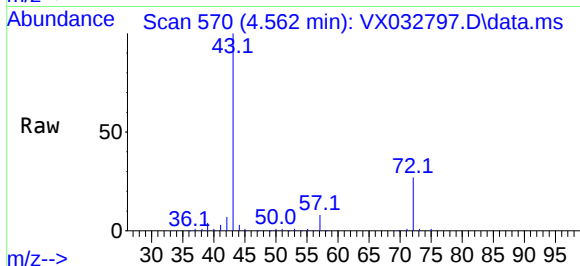
Tgt Ion: 43 Resp: 168481

Ion Ratio Lower Upper

43 100

61 0.0 11.5 17.3#

70 0.0 9.1 13.7#



#38

Carbon Tetrachloride

Concen: 5.812 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX032797.D

Acq: 14 Nov 2022 16:13

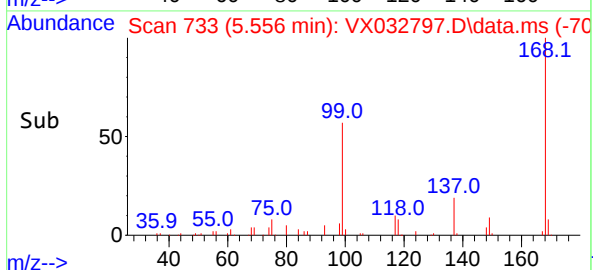
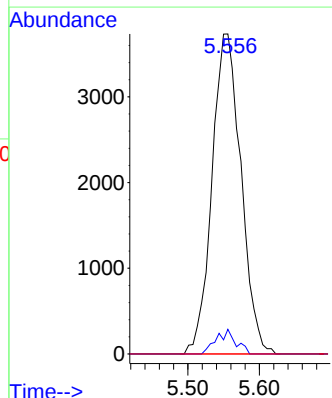
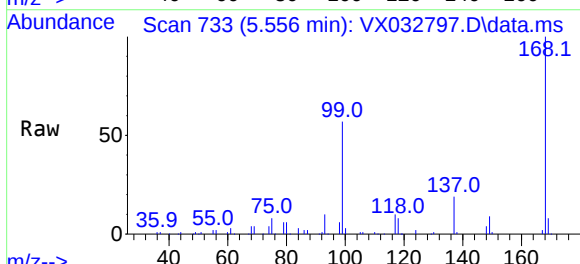
Tgt Ion: 117 Resp: 10507

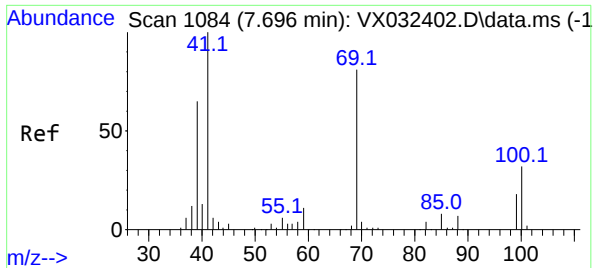
Ion Ratio Lower Upper

117 100

119 7.7 77.2 115.8#

121 0.0 25.8 38.6#

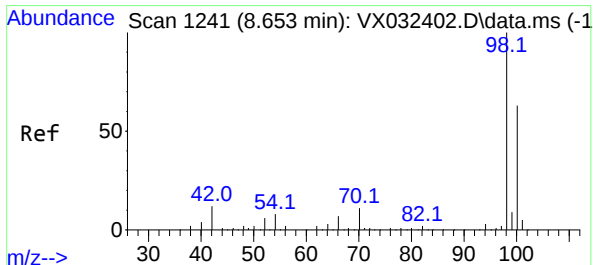
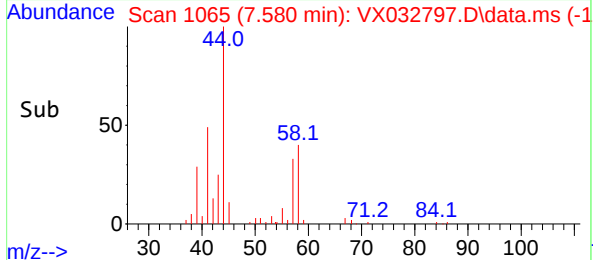
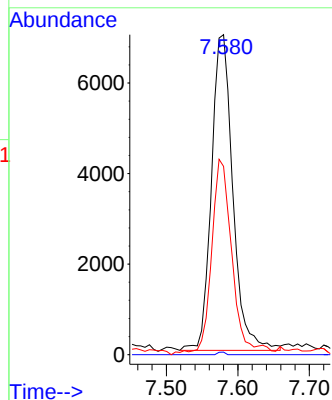
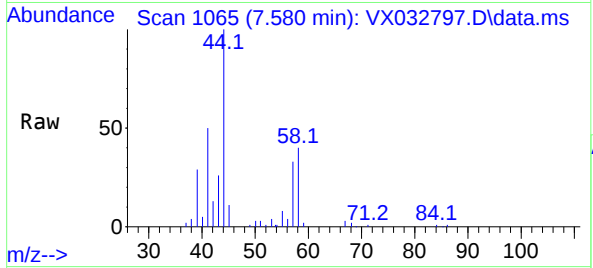




#48
Methyl methacrylate
Concen: 10.770 ug/l
RT: 7.580 min Scan# 1084
Delta R.T. -0.116 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

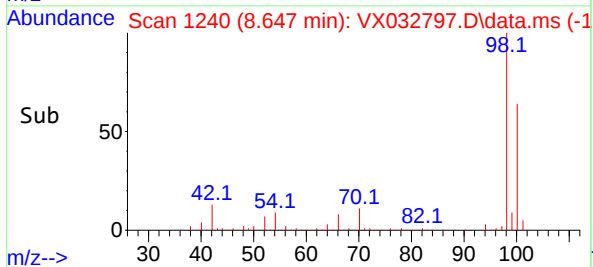
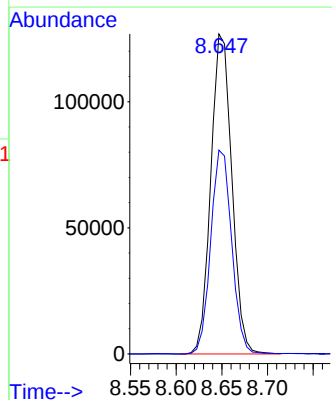
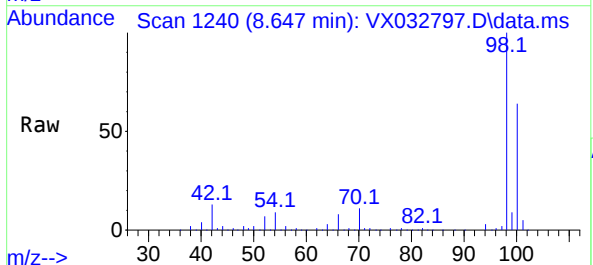
Instrument :
MSVOA_X
ClientSampleId :
31911

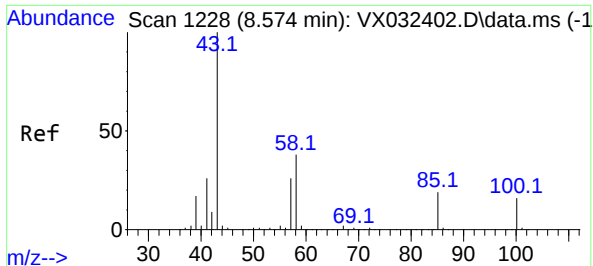
Tgt Ion: 41 Resp: 14490
Ion Ratio Lower Upper
41 100
69 0.3 65.1 97.7#
39 59.9 51.9 77.9



#50
Toluene-d8
Concen: 49.827 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Tgt Ion: 98 Resp: 202806
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3

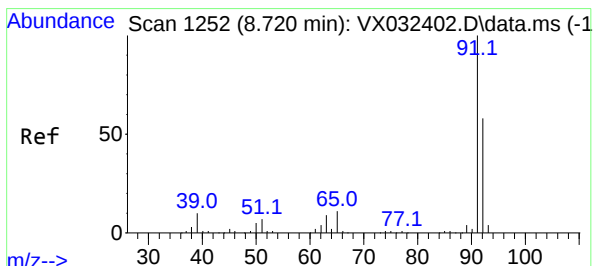
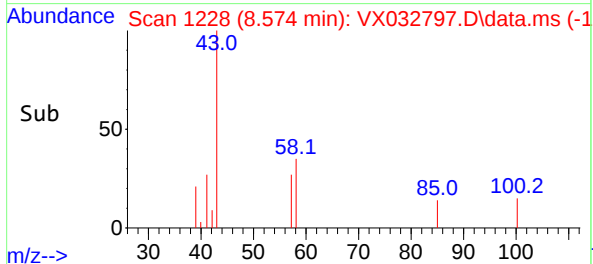
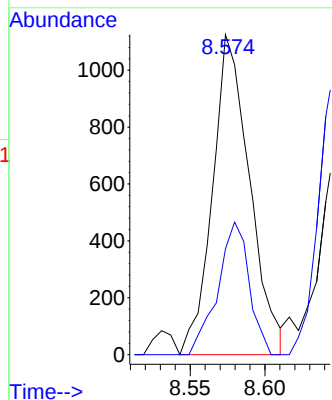
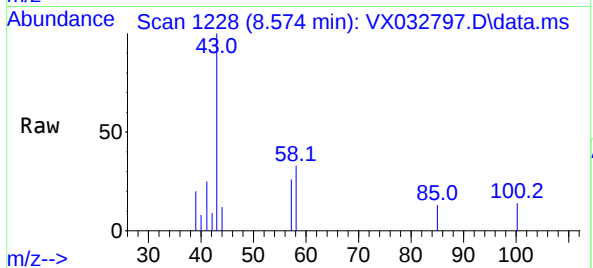




#51
4-Methyl-2-Pentanone
Concen: 1.182 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

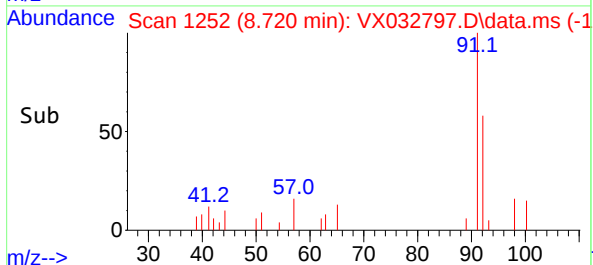
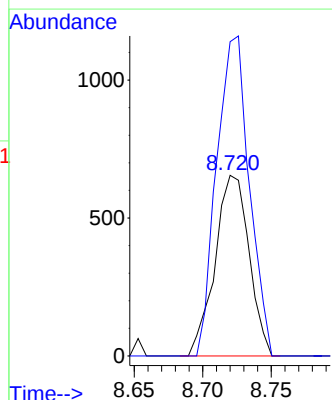
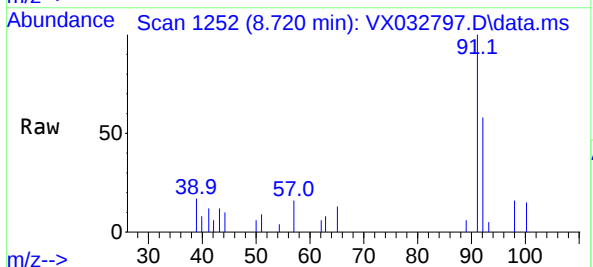
Instrument :
MSVOA_X
ClientSampleId :
31911

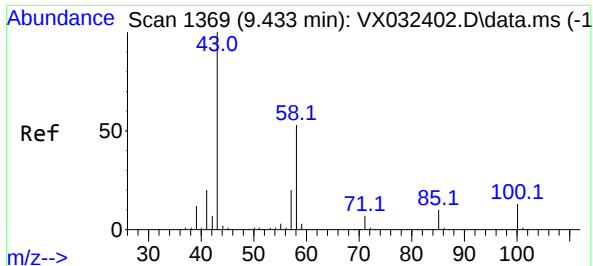
Tgt Ion: 43 Resp: 1939
Ion Ratio Lower Upper
43 100
58 35.0 30.9 46.3



#52
Toluene
Concen: 0.376 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Tgt Ion: 92 Resp: 1131
Ion Ratio Lower Upper
92 100
91 169.9 138.3 207.5





#59

2-Hexanone

Concen: 0.479 ug/l

RT: 9.445 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX032797.D

Acq: 14 Nov 2022 16:13

Instrument :

MSVOA_X

ClientSampleId :

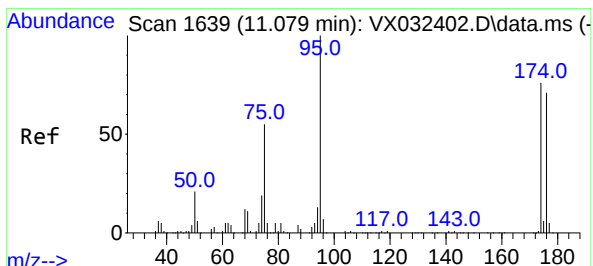
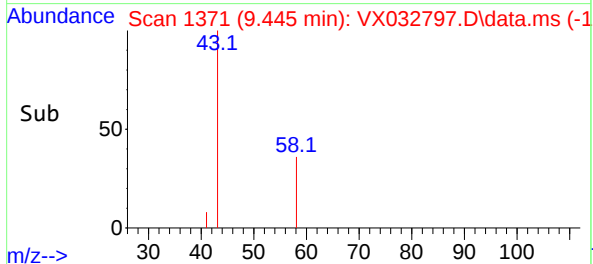
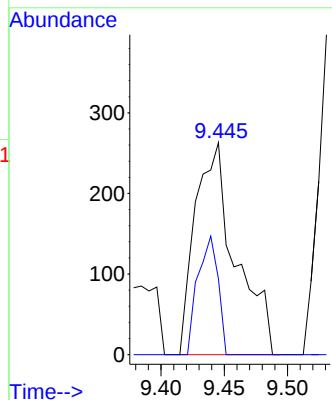
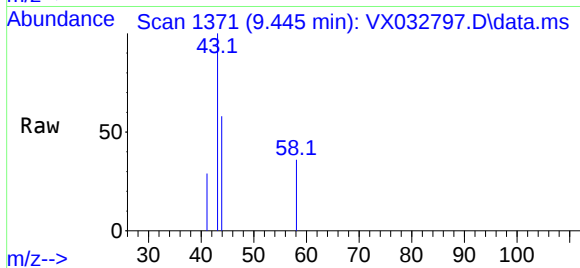
31911

Tgt Ion: 43 Resp: 583

Ion Ratio Lower Upper

43 100

58 28.0 26.5 79.5



#62

4-Bromofluorobenzene

Concen: 48.186 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX032797.D

Acq: 14 Nov 2022 16:13

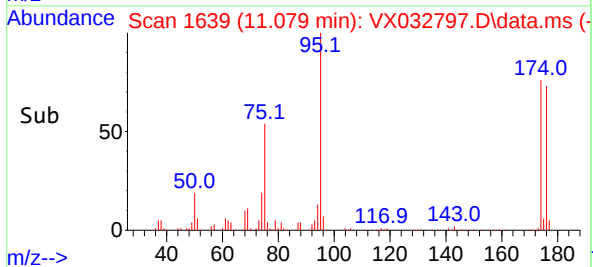
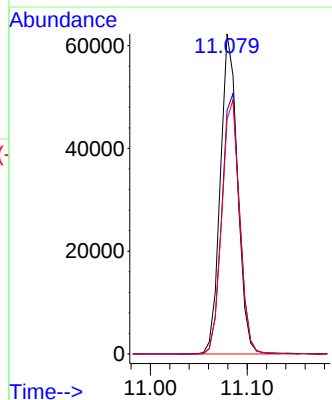
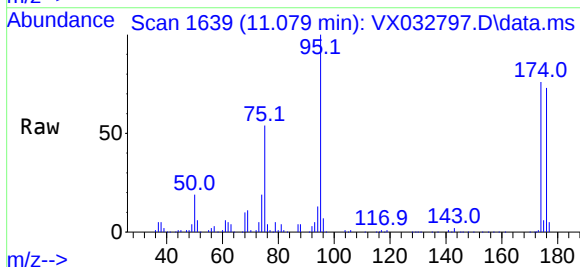
Tgt Ion: 95 Resp: 76611

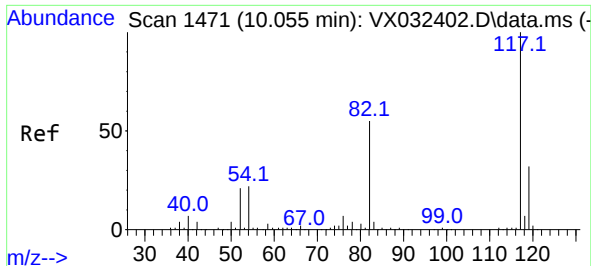
Ion Ratio Lower Upper

95 100

174 84.3 0.0 164.0

176 82.2 0.0 154.4

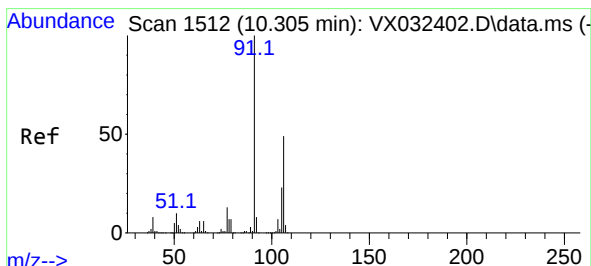
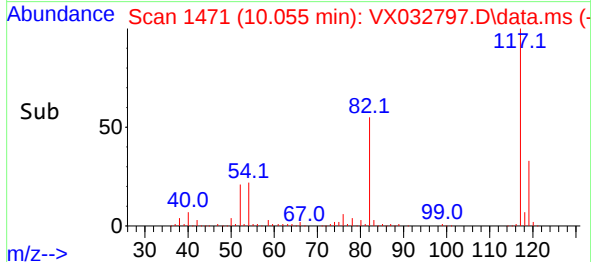
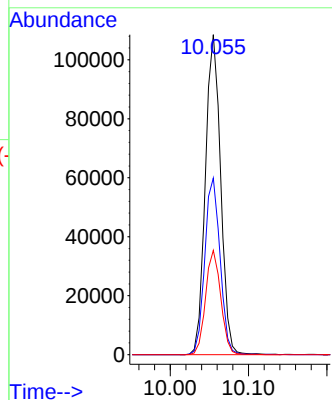
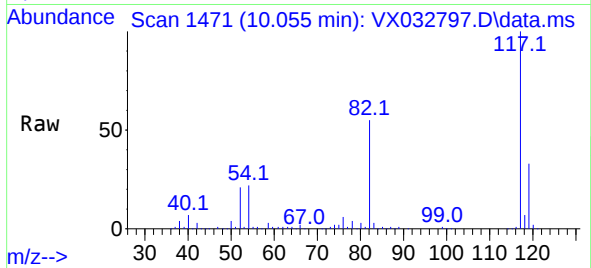




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

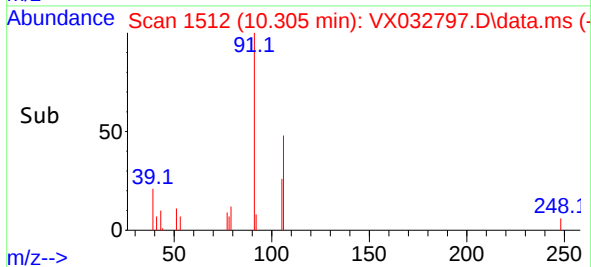
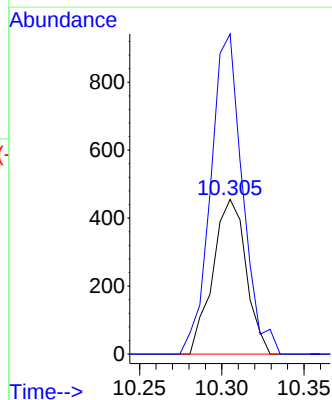
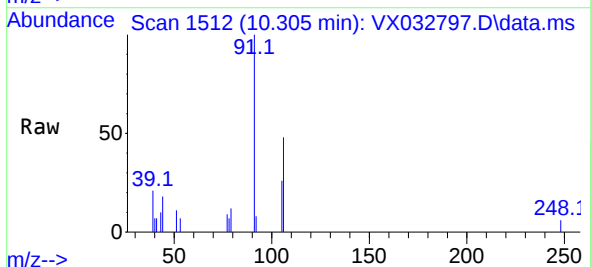
Instrument :
MSVOA_X
ClientSampleId :
31911

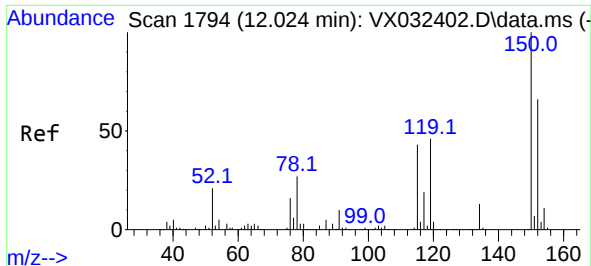
Tgt Ion:117 Resp: 146592
Ion Ratio Lower Upper
117 100
82 55.2 44.3 66.5
119 32.6 25.7 38.5



#68
m/p-Xylenes
Concen: 0.280 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Tgt Ion:106 Resp: 639
Ion Ratio Lower Upper
106 100
91 198.4 164.5 246.7

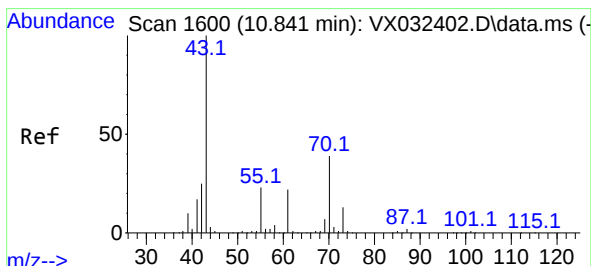
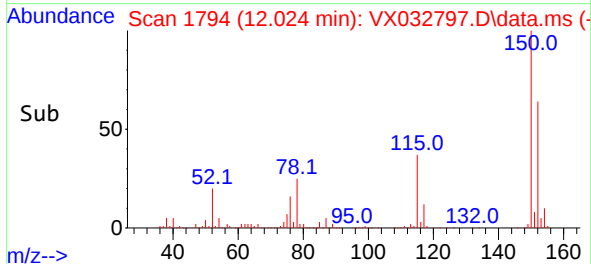
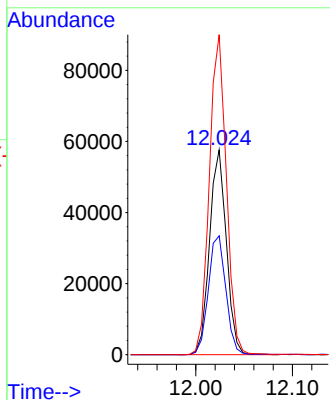
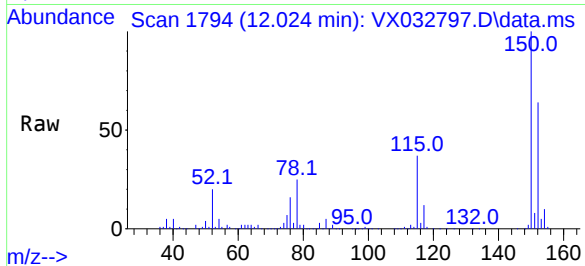




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

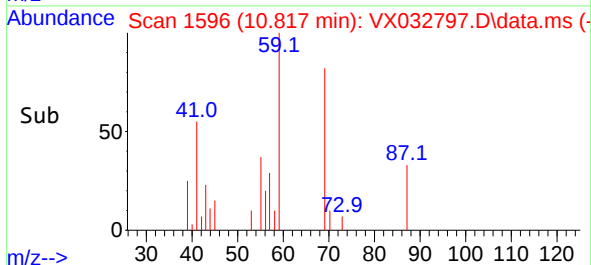
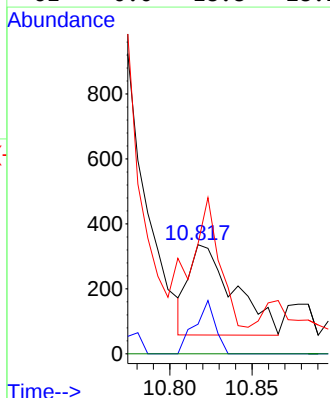
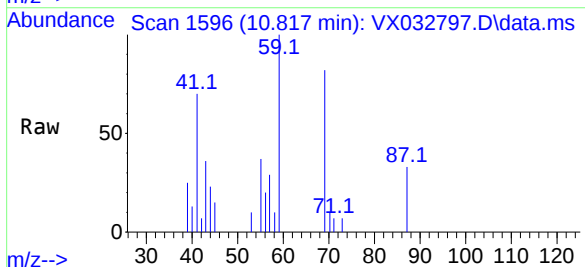
Instrument :
MSVOA_X
ClientSampleId :
31911

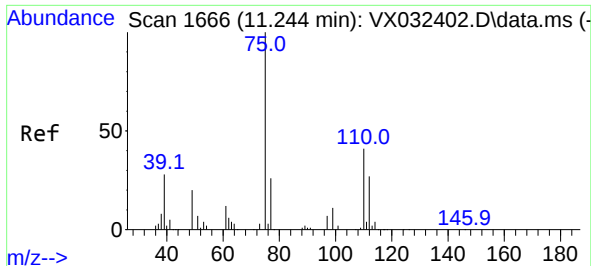
Tgt Ion:152 Resp: 69590
Ion Ratio Lower Upper
152 100
115 60.6 44.0 132.0
150 157.9 0.0 351.8



#74
N-ethyl acetate
Concen: 0.256 ug/l
RT: 10.817 min Scan# 1596
Delta R.T. -0.024 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Tgt Ion: 43 Resp: 534
Ion Ratio Lower Upper
43 100
70 26.8 33.6 50.4#
55 100.6 19.4 29.2#
61 0.0 18.8 28.2#

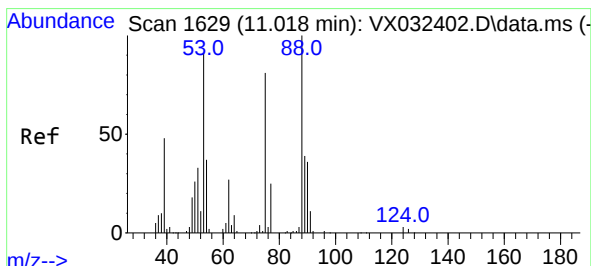
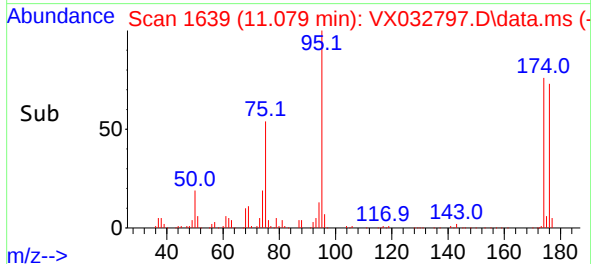
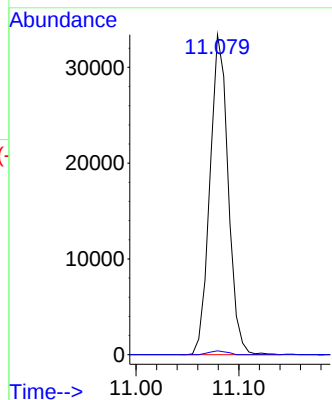
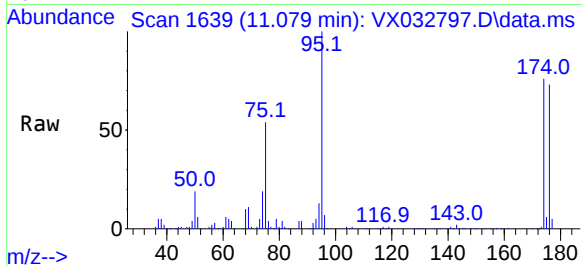




#76
1,2,3-Trichloropropane
Concen: 26.679 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

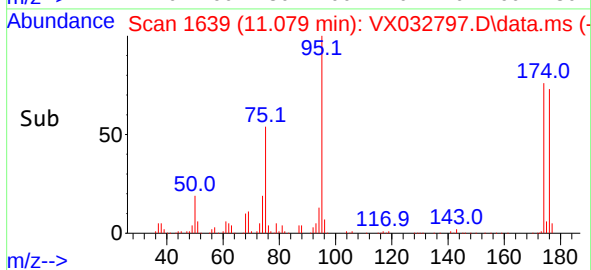
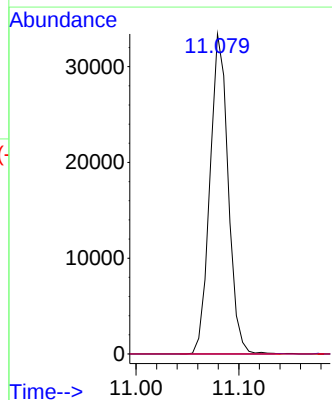
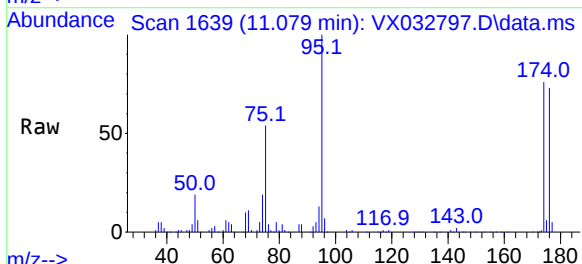
Instrument :
MSVOA_X
ClientSampleId :
31911

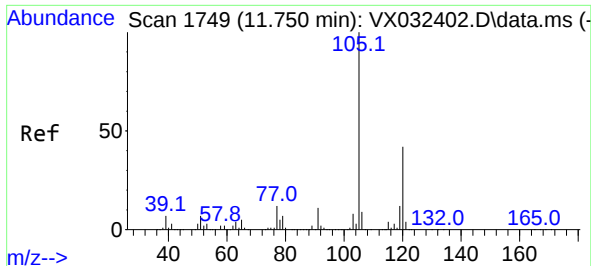
Tgt Ion: 75 Resp: 41305
Ion Ratio Lower Upper
75 100
77 1.2 20.0 60.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.894 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Tgt Ion: 75 Resp: 41305
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#

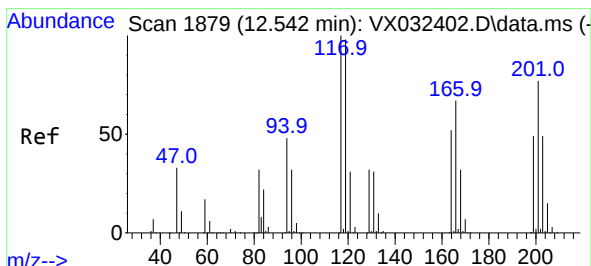
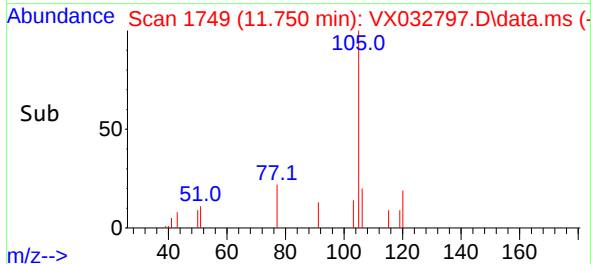
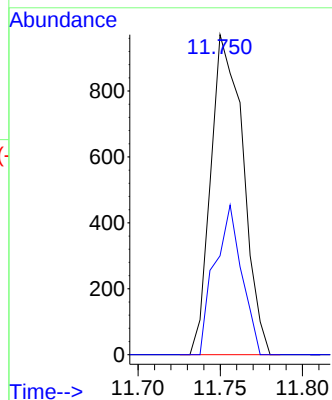
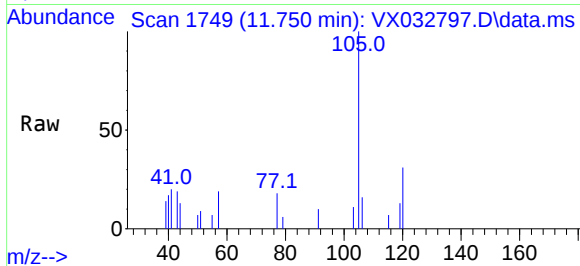




#84
1,2,4-Trimethylbenzene
Concen: 0.282 ug/l
RT: 11.750 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

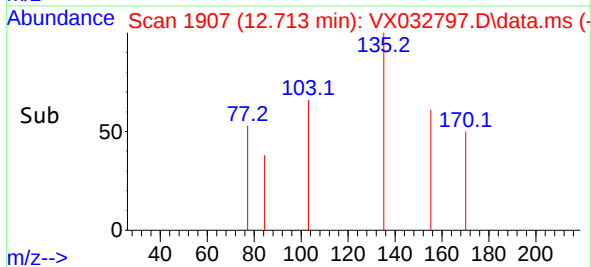
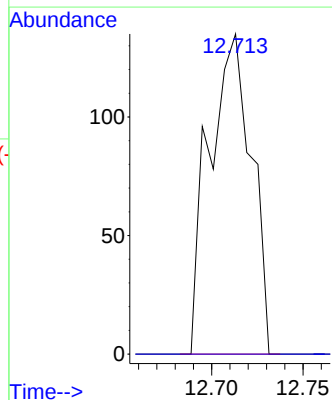
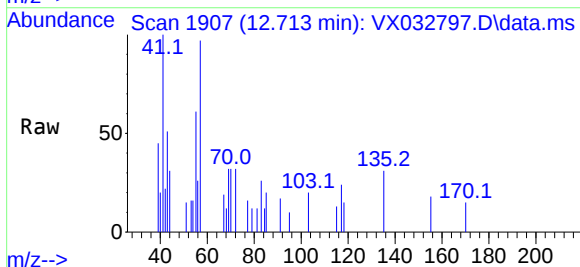
Instrument :
MSVOA_X
ClientSampleId :
31911

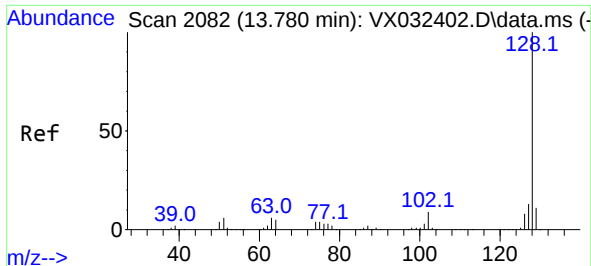
Tgt Ion:105 Resp: 1322
Ion Ratio Lower Upper
105 100
120 39.1 21.9 65.5



#90
Hexachloroethane
Concen: 0.277 ug/l
RT: 12.713 min Scan# 1907
Delta R.T. 0.171 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

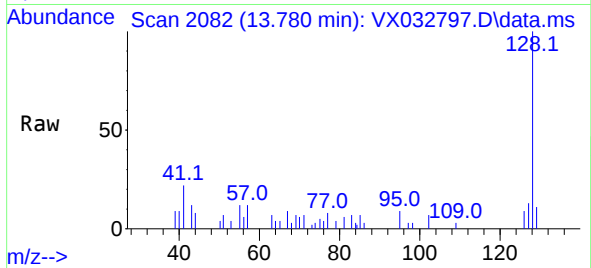
Tgt Ion:117 Resp: 217
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 0.571 ug/l
RT: 13.780 min Scan# 20
Delta R.T. 0.000 min
Lab File: VX032797.D
Acq: 14 Nov 2022 16:13

Instrument :
MSVOA_X
ClientSampleId :
31911



Tgt Ion:128 Resp: 3121

Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.2	15.4
129	9.6	8.9	13.3

