

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110722\
 Data File : VX032632.D
 Acq On : 07 Nov 2022 17:11
 Operator : JC/MD
 Sample : N5497-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 08 03:15:36 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)

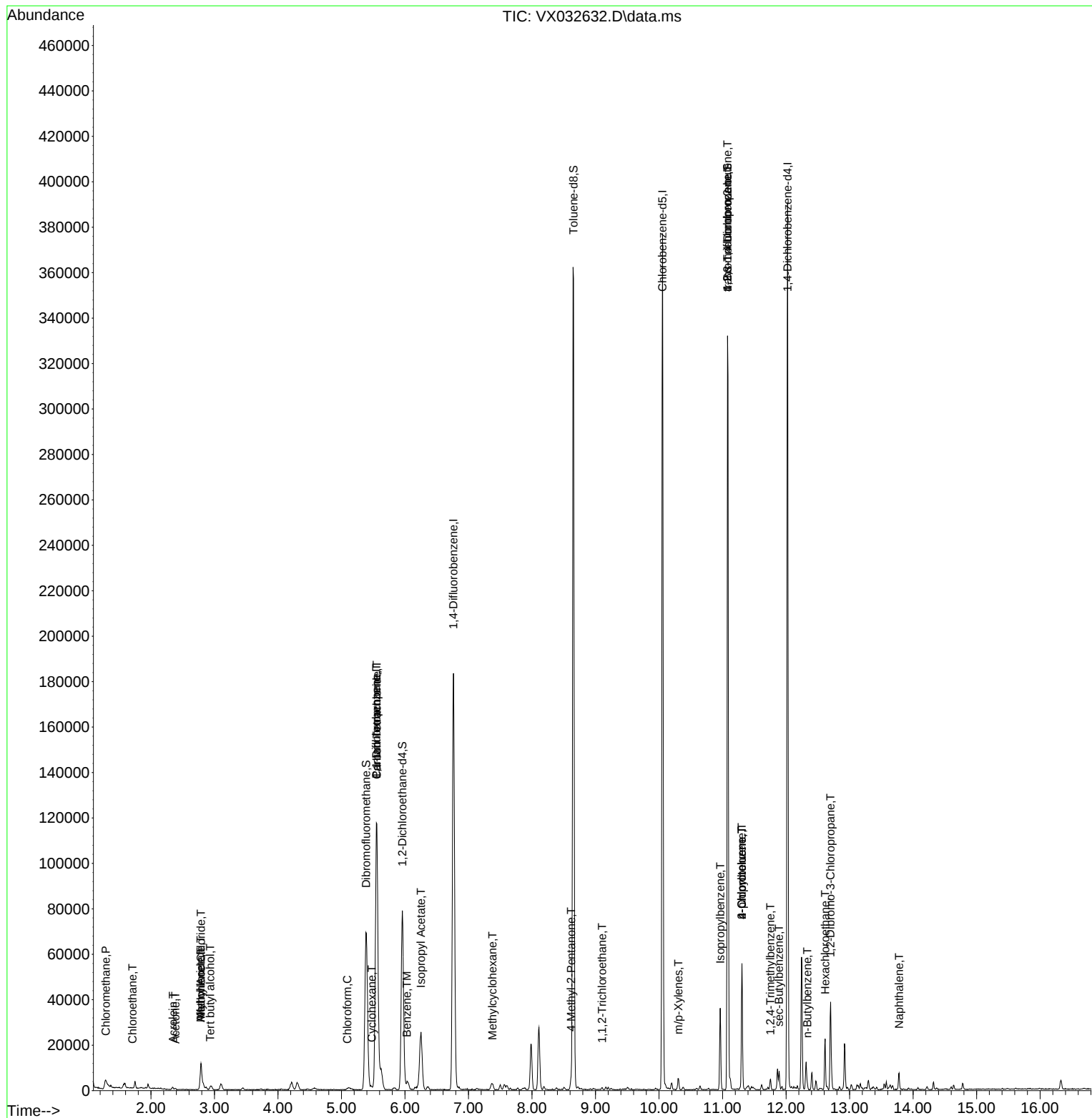
Internal Standards						
1) Pentafluorobenzene	5.550	168	110680	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	183479	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	78000	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77934	50.677	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	101.360%
35) Dibromofluoromethane	5.385	113	60698	46.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.760%
50) Toluene-d8	8.653	98	219316	48.192	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.380%
62) 4-Bromofluorobenzene	11.079	95	85425	48.054	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.100%
Target Compounds						
						Qvalue
3) Chloromethane	1.288	50	377	0.349	ug/l	91
6) Chloroethane	1.709	64	227	0.285	ug/l #	42
11) Tert butyl alcohol	2.934	59	1178	5.263	ug/l #	72
13) Acrolein	2.349	56	69	0.309	ug/l #	14
14) Allyl chloride	2.782	41	1135	0.641	ug/l #	57
16) Acetone	2.386	43	691	1.236	ug/l	100
18) Methyl Acetate	2.782	43	1995	1.098	ug/l #	51
20) Methylene Chloride	2.788	84	4100	3.199	ug/l	94
30) Chloroform	5.093	83	606	0.251	ug/l	90
31) Cyclohexane	5.477	56	871	0.467	ug/l #	90
36) 1,1-Dichloropropene	5.550	75	8661	4.752	ug/l #	49
38) Carbon Tetrachloride	5.556	117	11284	5.582	ug/l #	15
39) Methylcyclohexane	7.379	83	1075	0.499	ug/l	89
40) Benzene	6.031	78	4063	0.788	ug/l	91
43) Isopropyl Acetate	6.251	43	6401	2.198	ug/l #	61
51) 4-Methyl-2-Pentanone	8.616	43	541	0.295	ug/l #	36
55) 1,1,2-Trichloroethane	9.104	97	378	0.267	ug/l #	15
68) m/p-Xylenes	10.305	106	1251	0.491	ug/l	95
73) Isopropylbenzene	10.963	105	17918	2.899	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	46538	26.818	ug/l #	37
78) n-propylbenzene	11.305	91	33289	4.675	ug/l	98
79) 2-Chlorotoluene	11.305	91	33289	7.806	ug/l #	41
81) trans-1,4-Dichloro-2-b...	11.079	75	46538	85.336	ug/l #	6
82) 4-Chlorotoluene	11.305	91	33289	6.671	ug/l #	45
84) 1,2,4-Trimethylbenzene	11.756	105	2022	0.385	ug/l	98
85) sec-Butylbenzene	11.890	105	4254	0.670	ug/l #	57
89) n-Butylbenzene	12.335	91	2443	0.521	ug/l #	47
90) Hexachloroethane	12.616	117	1028	1.169	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	12.701	75	344	0.791	ug/l #	1
95) Naphthalene	13.780	128	5040	0.823	ug/l	99

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

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Instrument :
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Quant Time: Nov 08 03:15:36 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

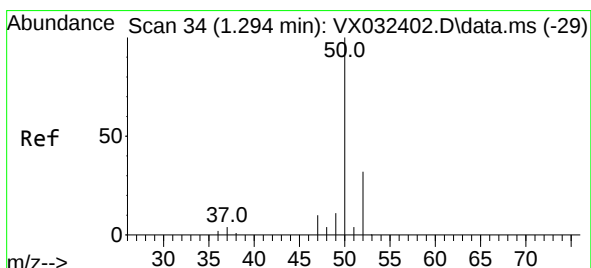
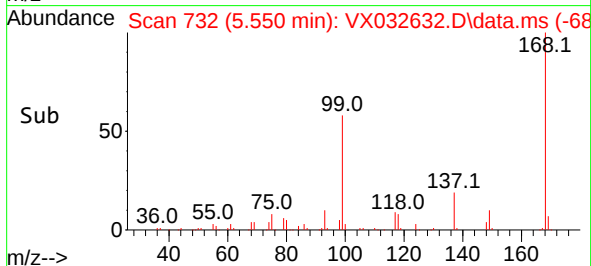
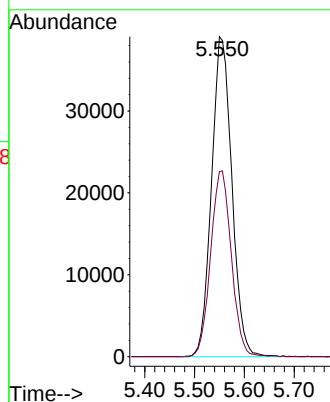
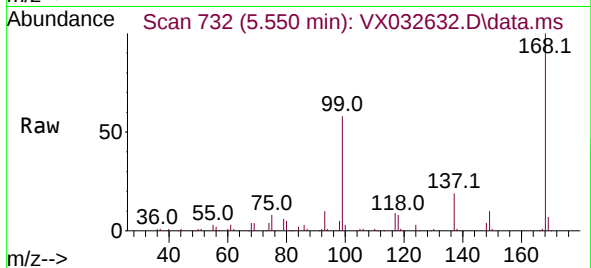




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

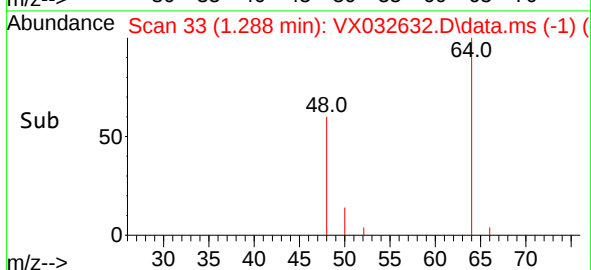
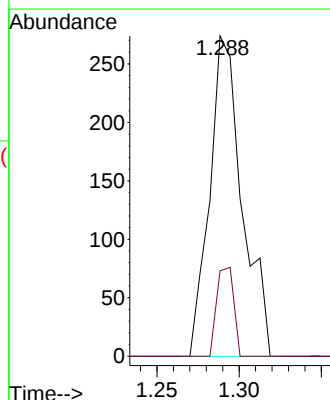
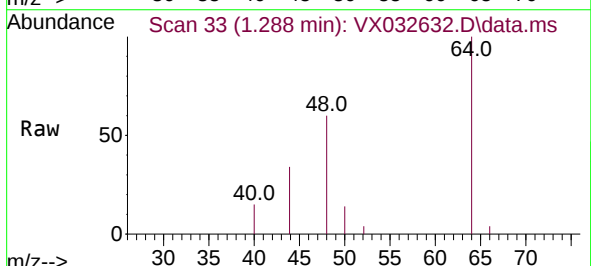
Instrument :
MSVOA_X
ClientSampleId :

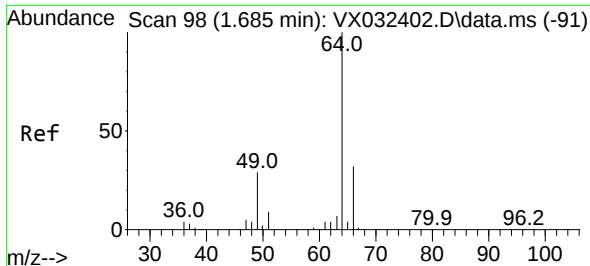
Tgt Ion:168 Resp: 110680
Ion Ratio Lower Upper
168 100
99 57.8 46.1 69.1



#3
Chloromethane
Concen: 0.349 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 50 Resp: 377
Ion Ratio Lower Upper
50 100
52 26.6 25.4 38.2

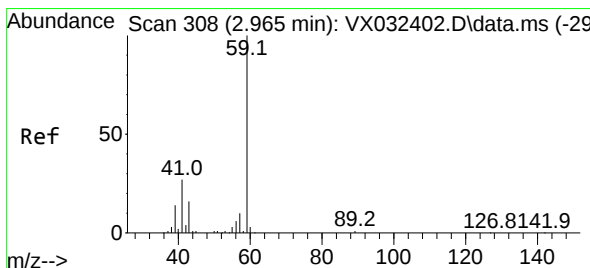
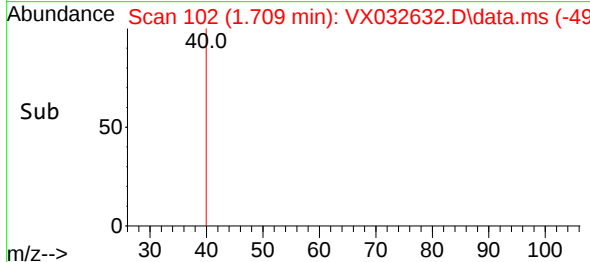
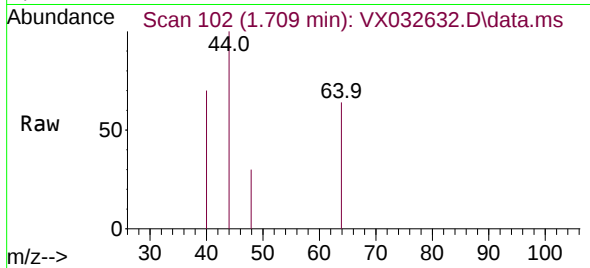




#6
Chloroethane
Concen: 0.285 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.024 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

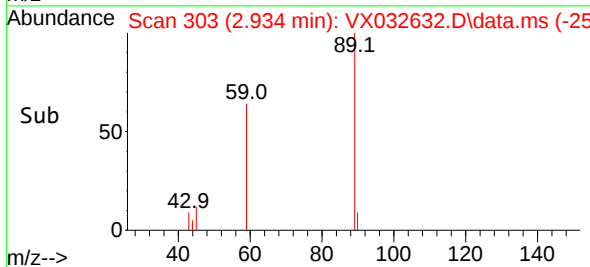
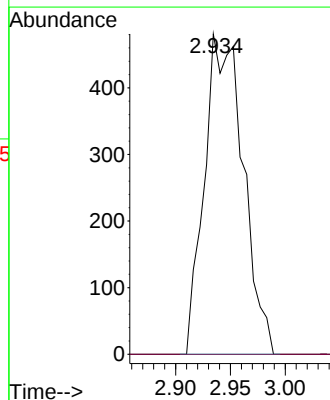
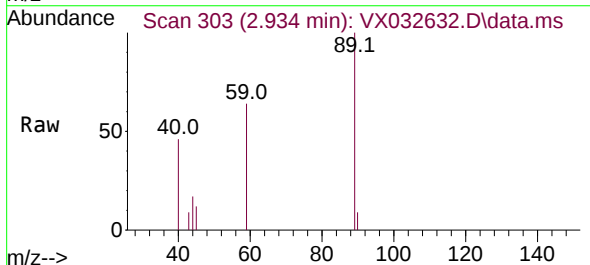
Instrument :
MSVOA_X
ClientSampleId :

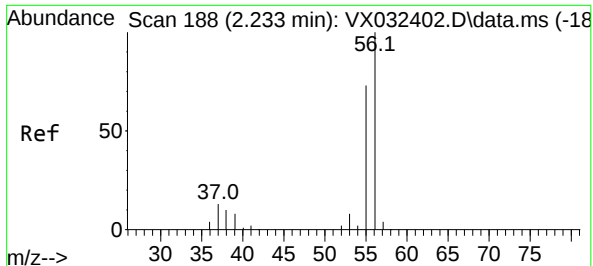
Tgt Ion: 64 Resp: 227
Ion Ratio Lower Upper
64 100
66 0.0 26.0 39.0#



#11
Tert butyl alcohol
Concen: 5.263 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.030 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

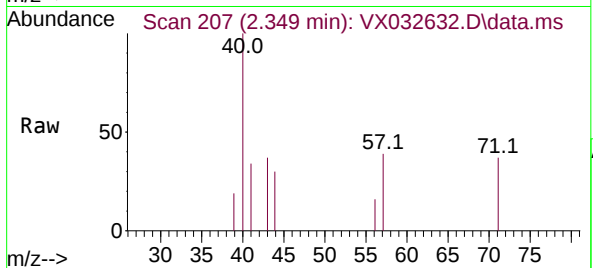
Tgt Ion: 59 Resp: 1178
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



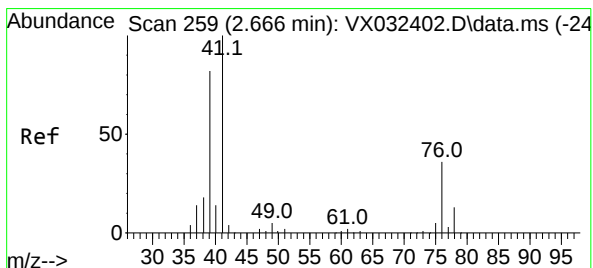
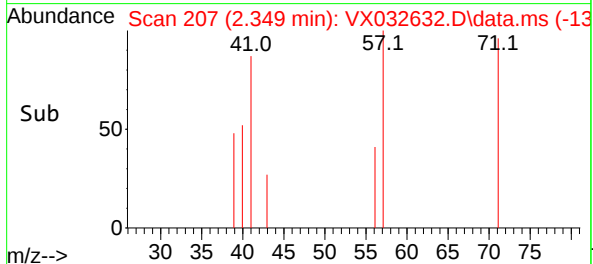
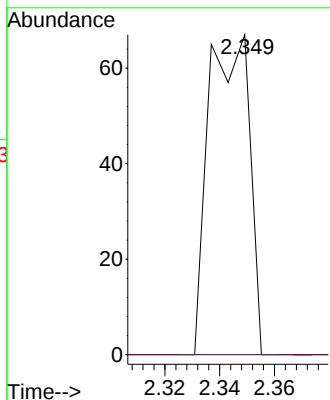


#13
Acrolein
Concen: 0.309 ug/l
RT: 2.349 min Scan# 20
Delta R.T. 0.116 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Instrument :
MSVOA_X
ClientSampleId :

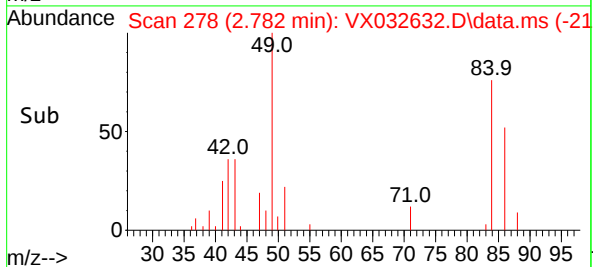
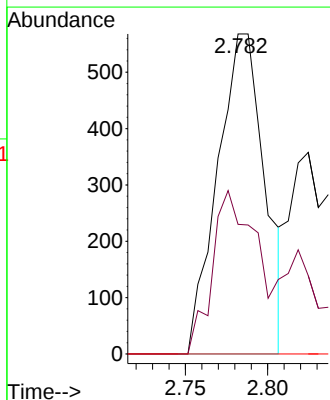
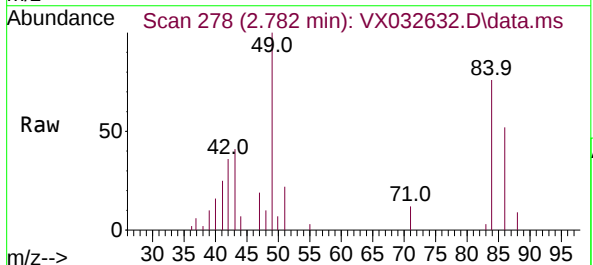


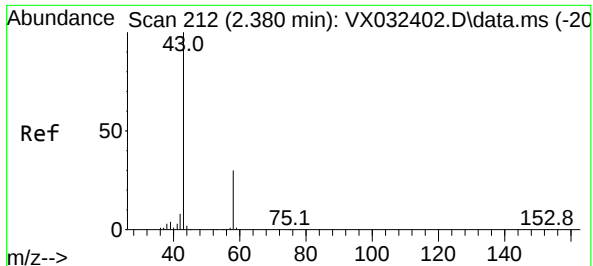
Tgt Ion: 56 Resp: 69
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#14
Allyl chloride
Concen: 0.641 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.116 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 41 Resp: 1135
Ion Ratio Lower Upper
41 100
39 46.8 61.4 92.2#
76 0.0 29.2 43.8#

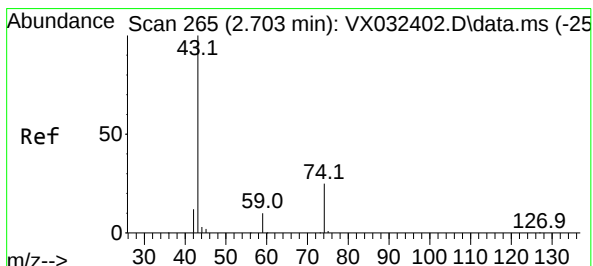
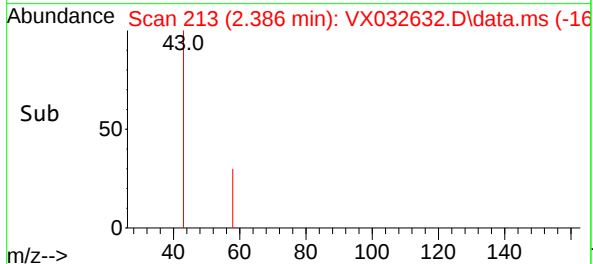
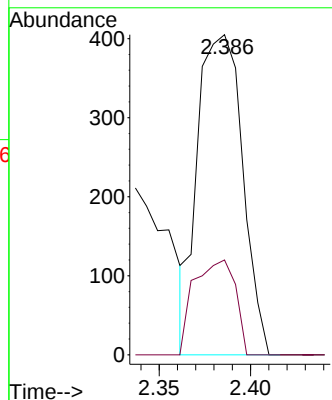
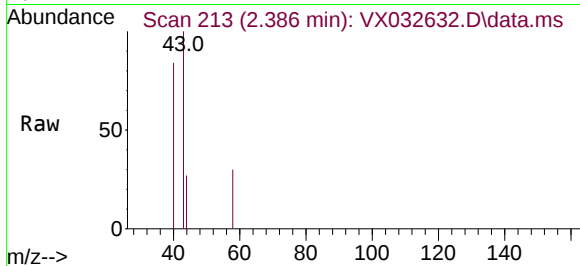




#16
Acetone
Concen: 1.236 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

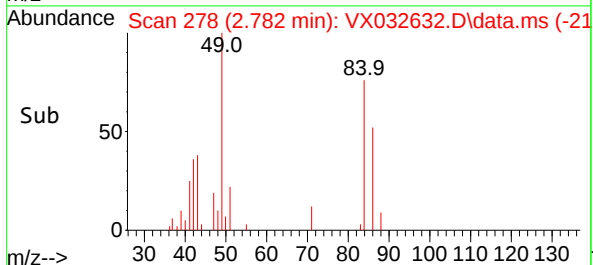
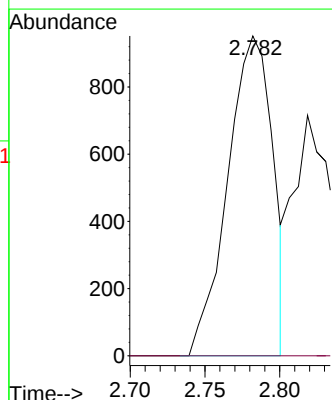
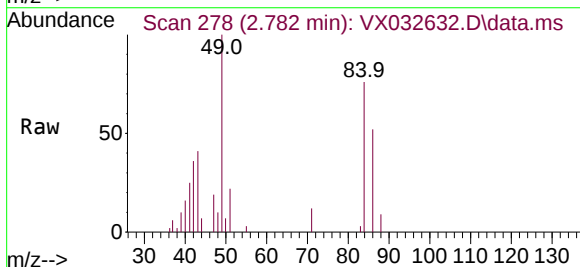
Instrument :
MSVOA_X
ClientSampleId :

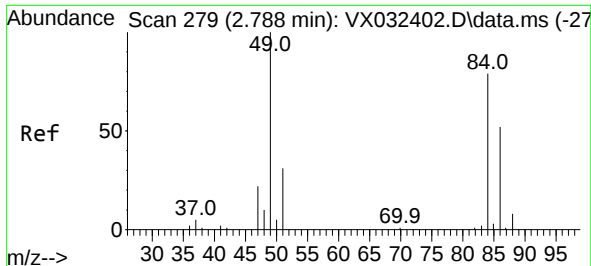
Tgt Ion: 43 Resp: 691
Ion Ratio Lower Upper
43 100
58 29.6 23.8 35.8



#18
Methyl Acetate
Concen: 1.098 ug/l
RT: 2.782 min Scan# 278
Delta R.T. 0.079 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 43 Resp: 1995
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.0#





#20

Methylene Chloride

Concen: 3.199 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

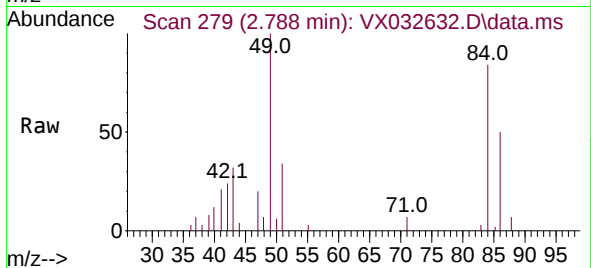
Lab File: VX032632.D

Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 4100

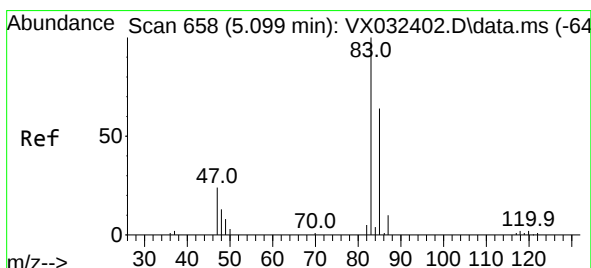
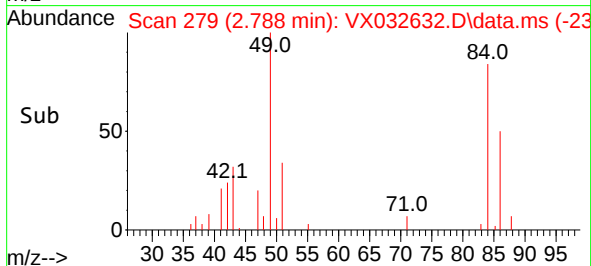
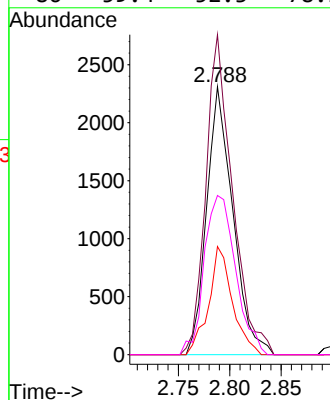
Ion Ratio Lower Upper

84 100

49 119.4 101.0 151.6

51 40.3 31.1 46.7

86 59.4 52.3 78.5



#30

Chloroform

Concen: 0.251 ug/l

RT: 5.093 min Scan# 657

Delta R.T. -0.006 min

Lab File: VX032632.D

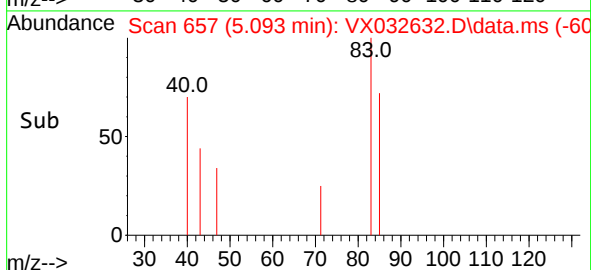
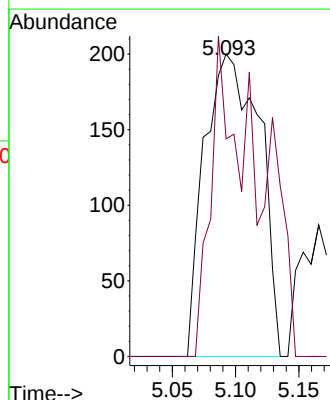
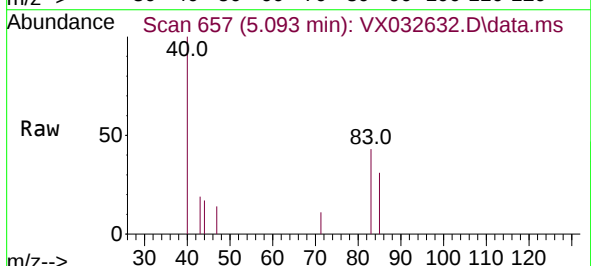
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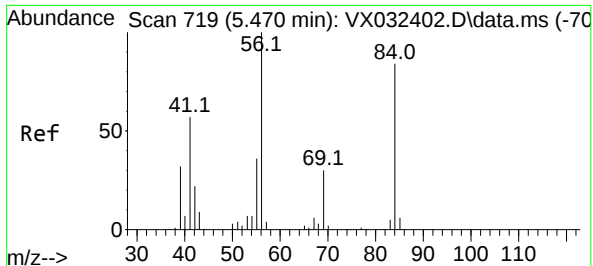
Tgt Ion: 83 Resp: 606

Ion Ratio Lower Upper

83 100

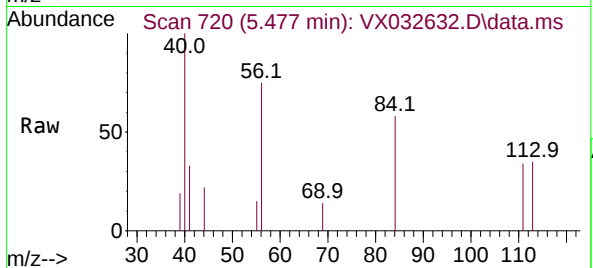
85 72.0 51.1 76.7



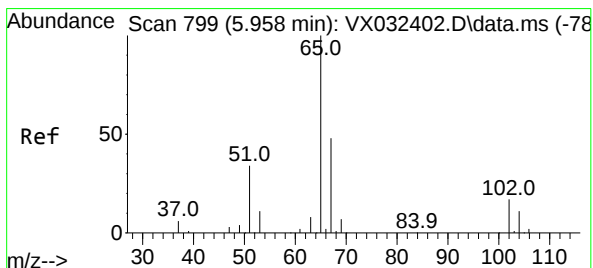
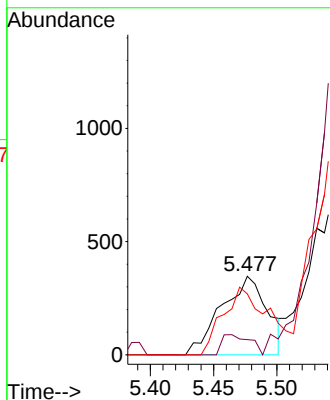
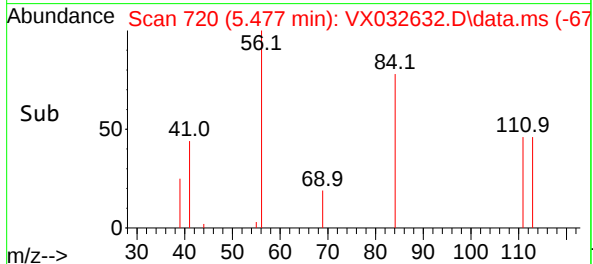


#31
Cyclohexane
Concen: 0.467 ug/l
RT: 5.477 min Scan# 719
Delta R.T. 0.006 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Instrument :
MSVOA_X
ClientSampleId :

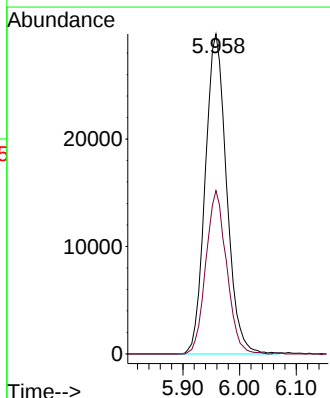
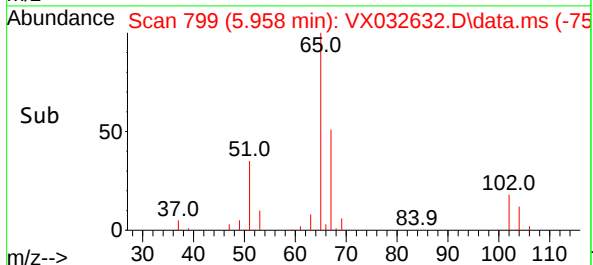
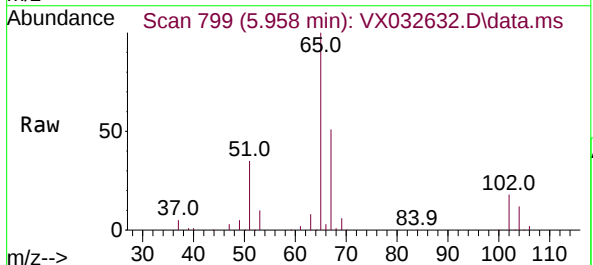


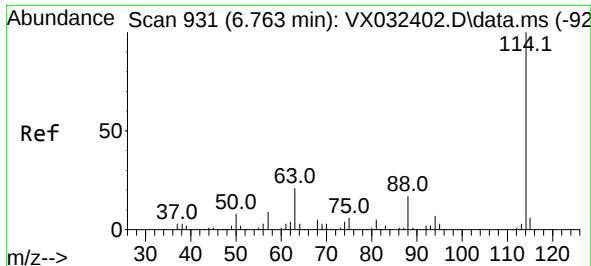
Tgt Ion: 56 Resp: 871
Ion Ratio Lower Upper
56 100
69 19.3 24.1 36.1#
84 77.5 66.9 100.3



#33
1,2-Dichloroethane-d4
Concen: 50.677 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 65 Resp: 77934
Ion Ratio Lower Upper
65 100
67 49.6 0.0 101.8

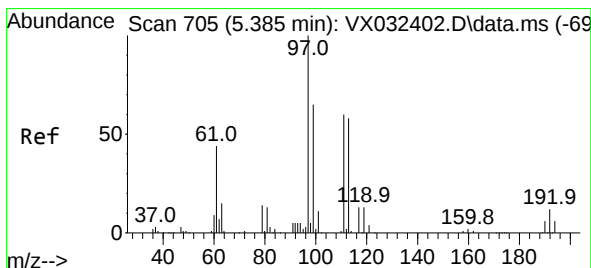
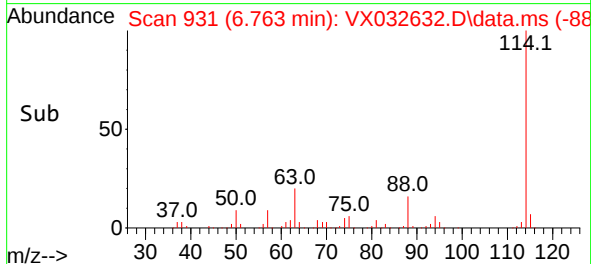
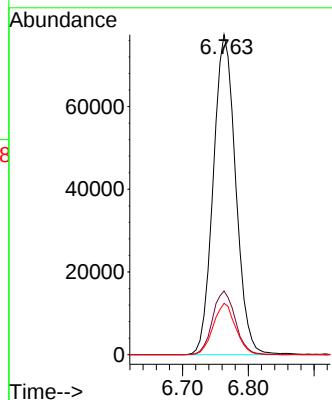
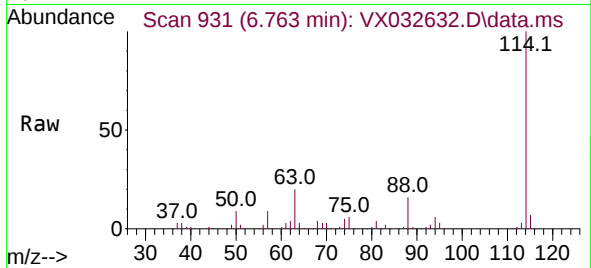




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

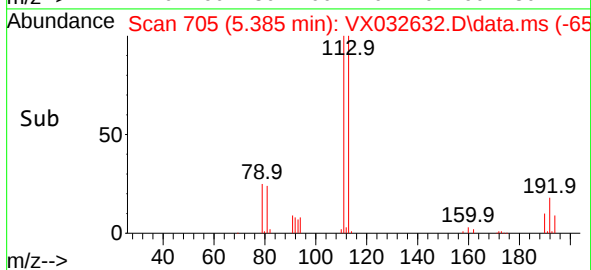
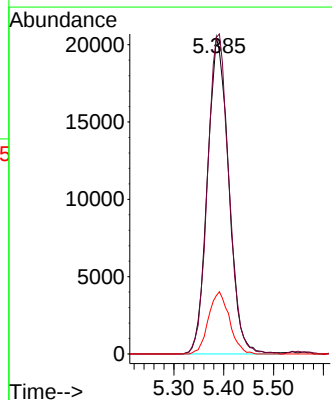
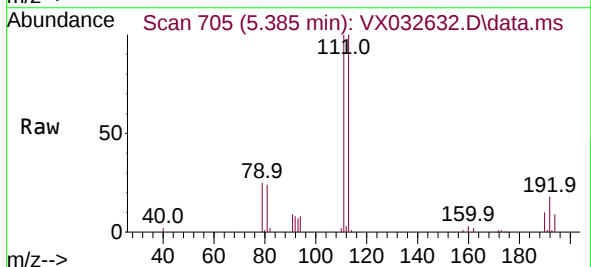
Instrument :
MSVOA_X
ClientSampleId :

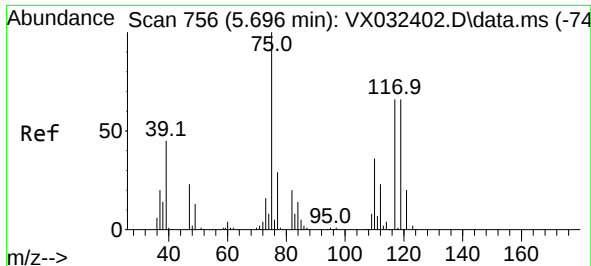
Tgt Ion:114 Resp: 183479
Ion Ratio Lower Upper
114 100
63 19.9 0.0 41.6
88 16.1 0.0 33.4



#35
Dibromofluoromethane
Concen: 46.378 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion:113 Resp: 60698
Ion Ratio Lower Upper
113 100
111 101.1 82.4 123.6
192 19.3 15.4 23.2

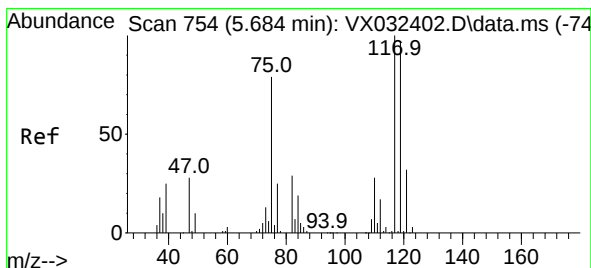
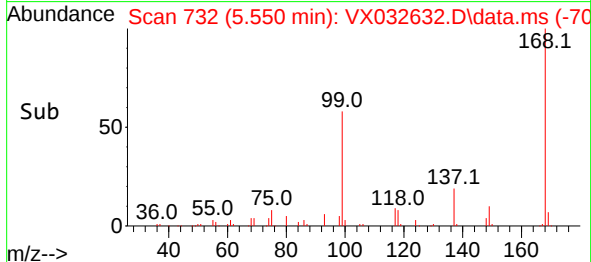
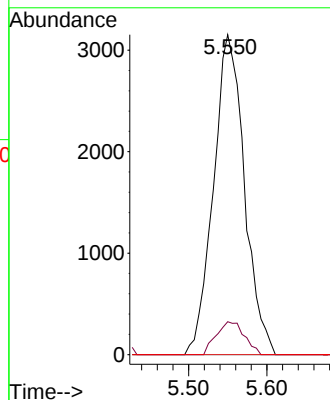
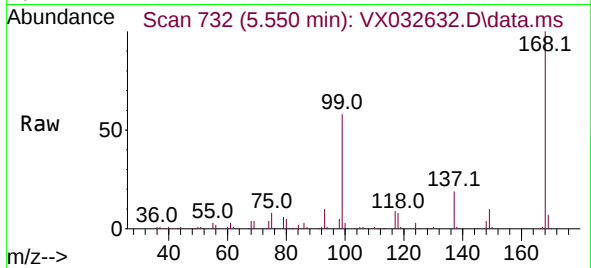




#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

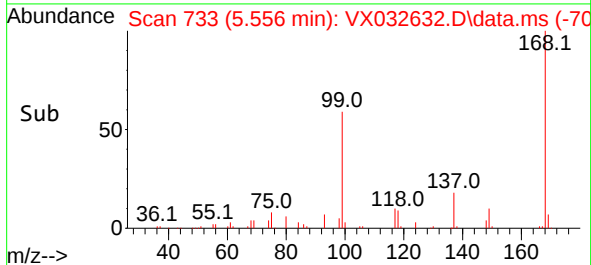
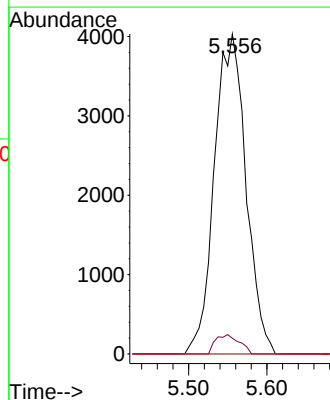
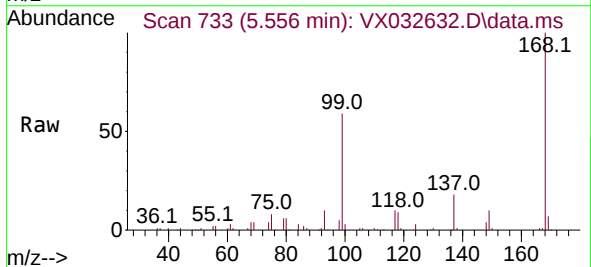
Instrument :
MSVOA_X
ClientSampleId :

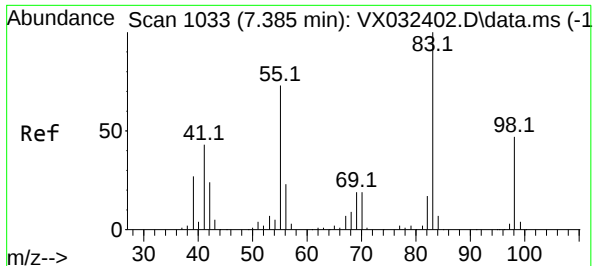
Tgt Ion: 75 Resp: 8661
Ion Ratio Lower Upper
75 100
110 9.3 18.4 55.2#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.582 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 117 Resp: 11284
Ion Ratio Lower Upper
117 100
119 4.9 77.2 115.8#
121 0.0 25.8 38.6#





#39

Methylcyclohexane

Concen: 0.499 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX032632.D

Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_X

ClientSampleId :

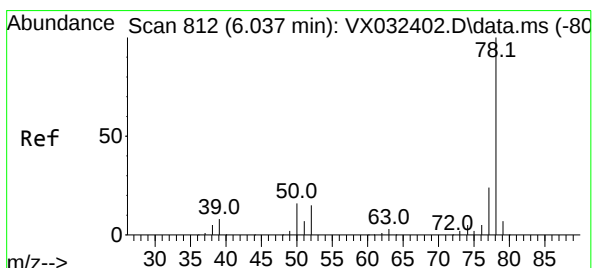
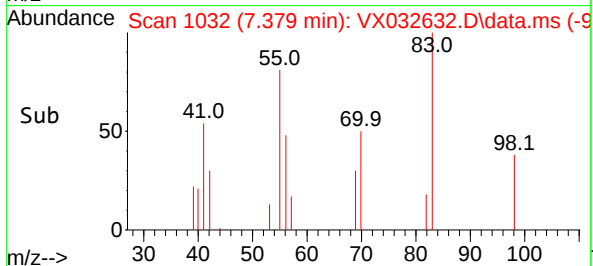
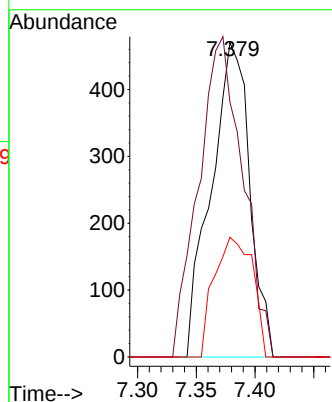
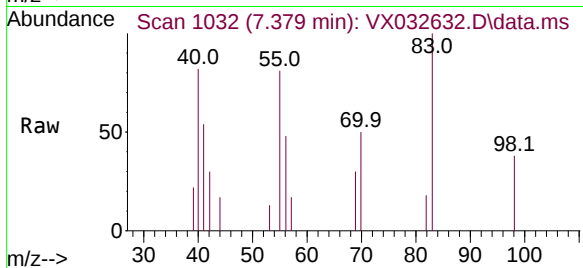
Tgt Ion: 83 Resp: 1075

Ion Ratio Lower Upper

83 100

55 81.1 58.4 87.6

98 38.1 37.2 55.8



#40

Benzene

Concen: 0.788 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.006 min

Lab File: VX032632.D

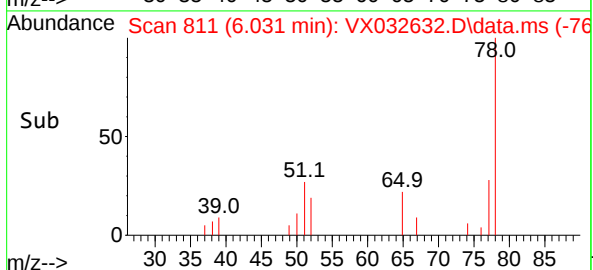
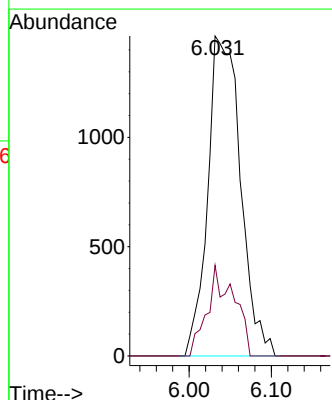
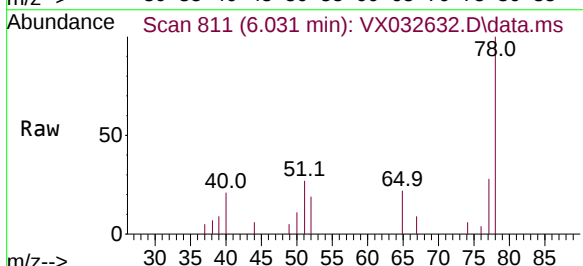
Acq: 07 Nov 2022 17:11

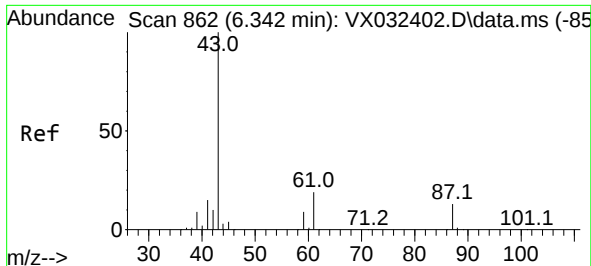
Tgt Ion: 78 Resp: 4063

Ion Ratio Lower Upper

78 100

77 28.3 19.0 28.4

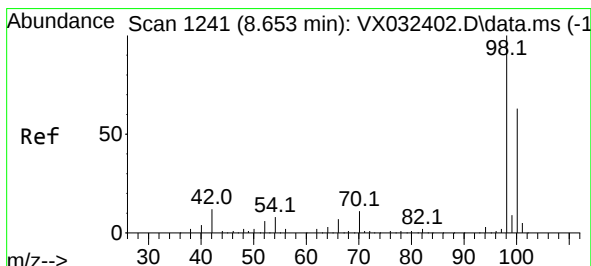
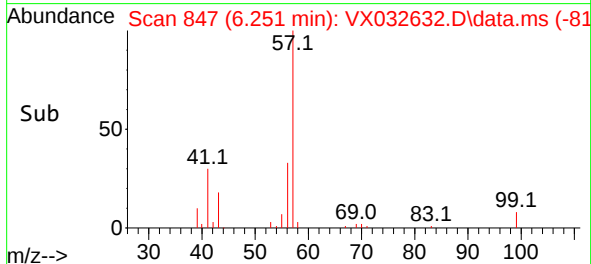
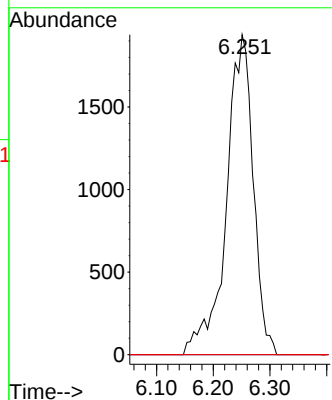
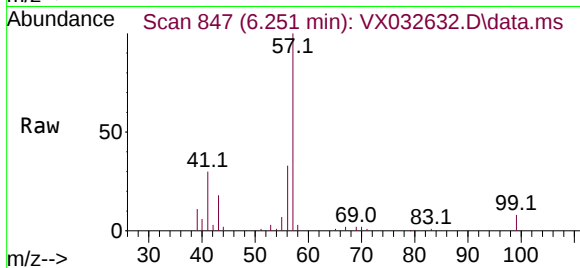




#43
Isopropyl Acetate
Concen: 2.198 ug/l
RT: 6.251 min Scan# 847
Delta R.T. -0.091 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

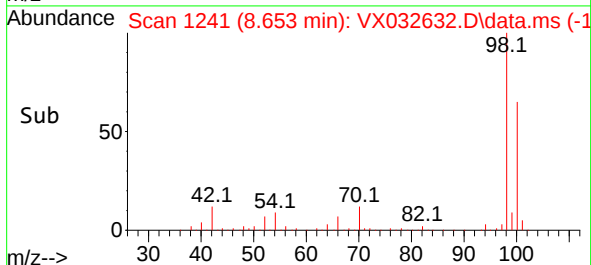
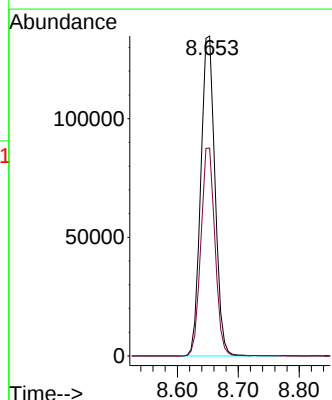
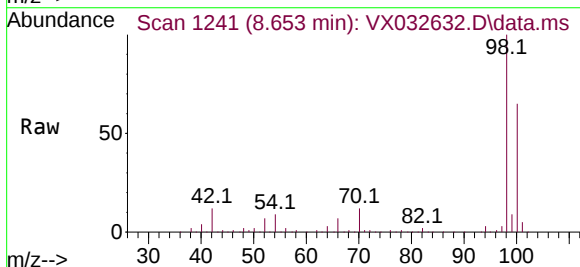
Instrument :
MSVOA_X
ClientSampleId :

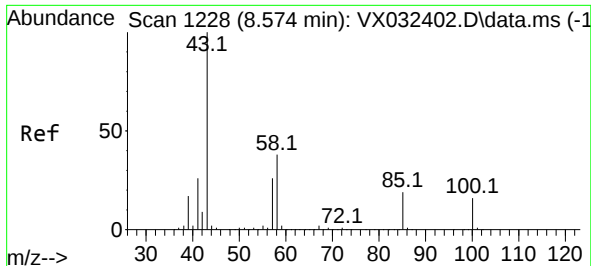
Tgt Ion: 43 Resp: 6401
Ion Ratio Lower Upper
43 100
61 0.0 15.4 23.0#
87 0.0 10.8 16.2#



#50
Toluene-d8
Concen: 48.192 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 98 Resp: 219316
Ion Ratio Lower Upper
98 100
100 64.3 50.9 76.3

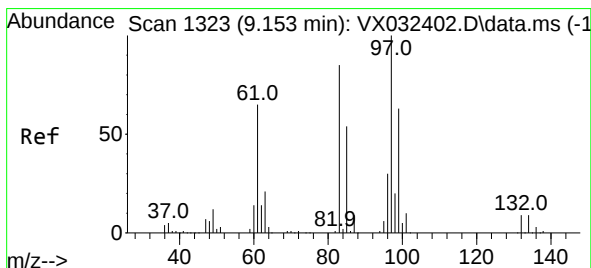
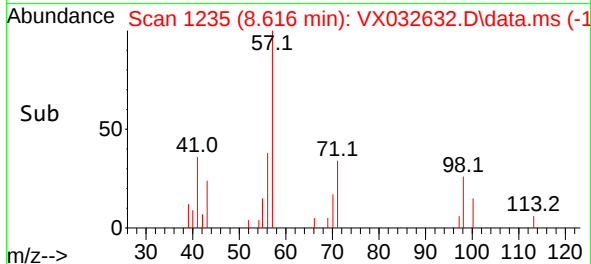
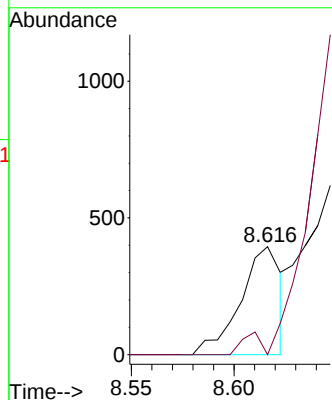
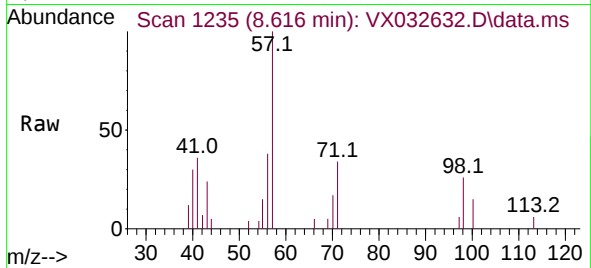




#51
4-Methyl-2-Pentanone
Concen: 0.295 ug/l
RT: 8.616 min Scan# 1315
Delta R.T. 0.043 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

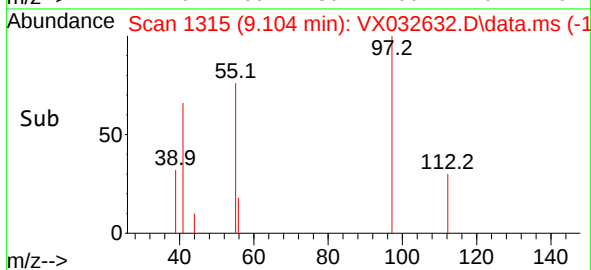
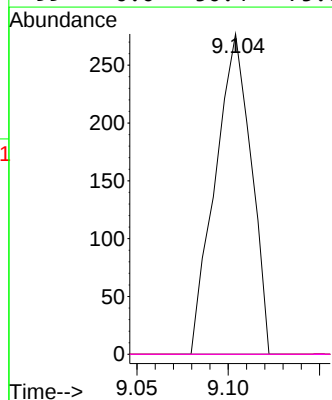
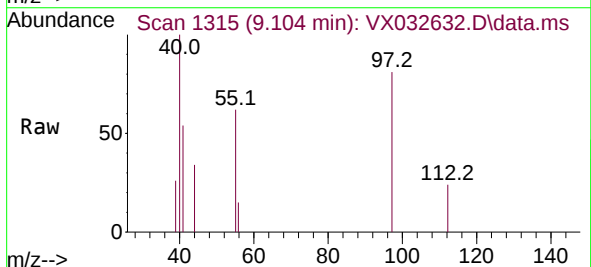
Instrument :
MSVOA_X
ClientSampleId :

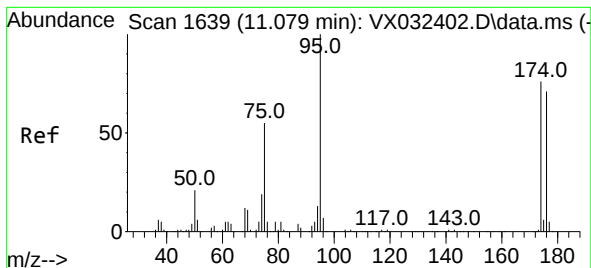
Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
58 0.0 30.9 46.3#



#55
1,1,2-Trichloroethane
Concen: 0.267 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 97 Resp: 378
Ion Ratio Lower Upper
97 100
83 0.0 68.1 102.1#
85 0.0 43.3 64.9#
99 0.0 50.4 75.6#

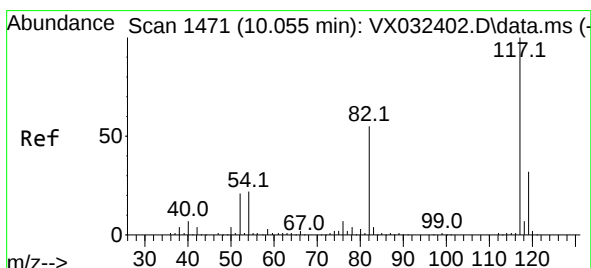
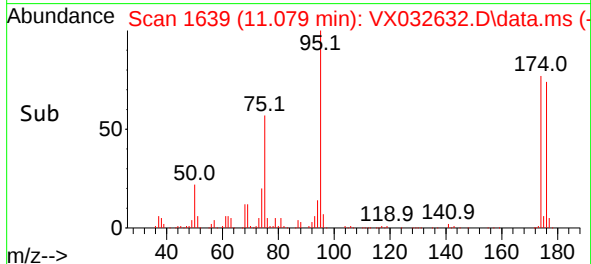
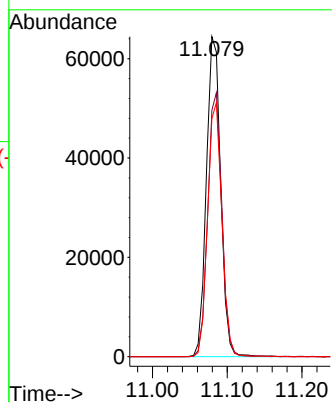
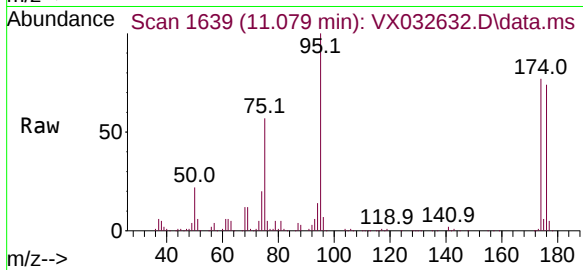




#62
4-Bromofluorobenzene
Concen: 48.054 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

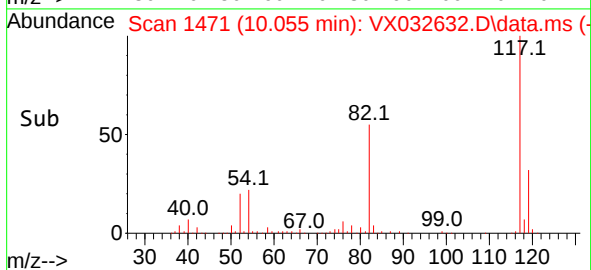
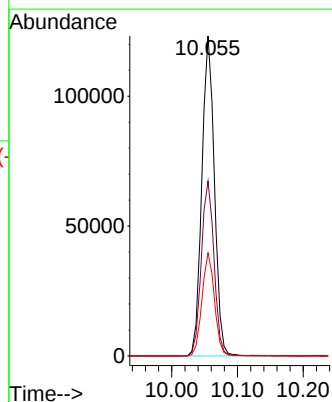
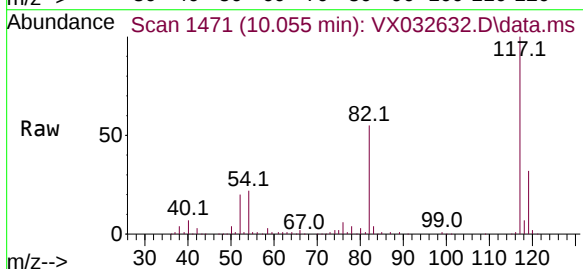
Instrument :
MSVOA_X
ClientSampleId :

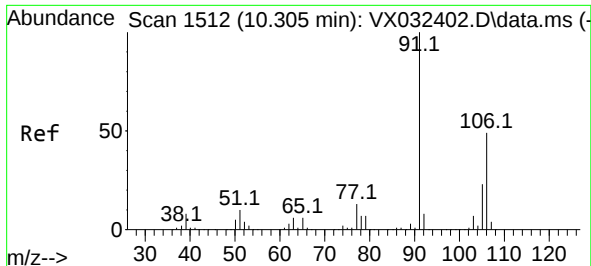
Tgt Ion: 95 Resp: 85425
Ion Ratio Lower Upper
95 100
174 81.7 0.0 164.0
176 79.0 0.0 154.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion: 117 Resp: 163770
Ion Ratio Lower Upper
117 100
82 54.7 44.3 66.5
119 32.2 25.7 38.5

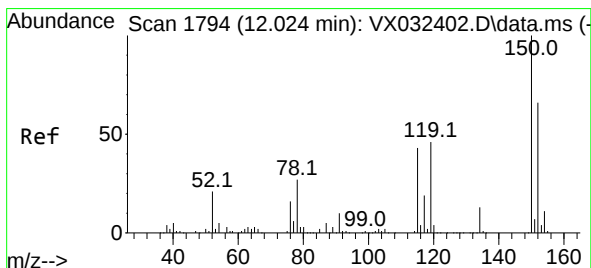
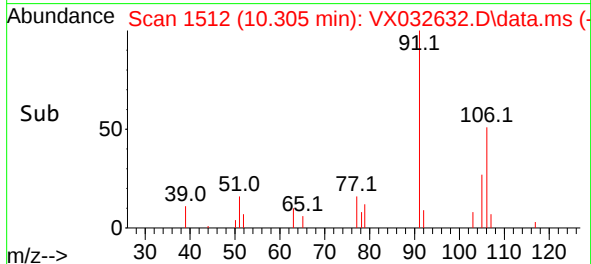
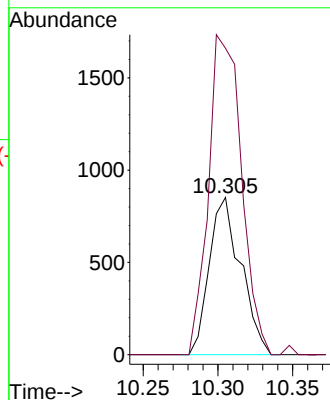
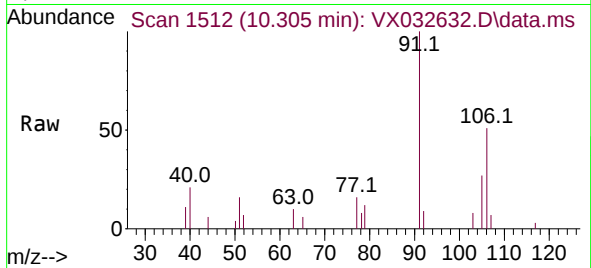




#68
m/p-Xylenes
Concen: 0.491 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

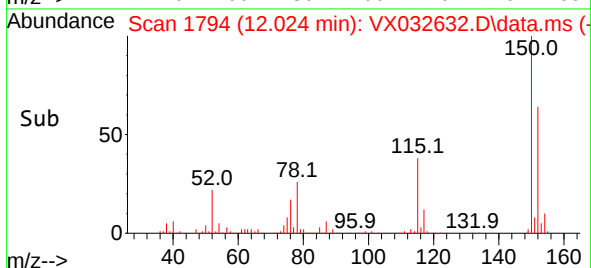
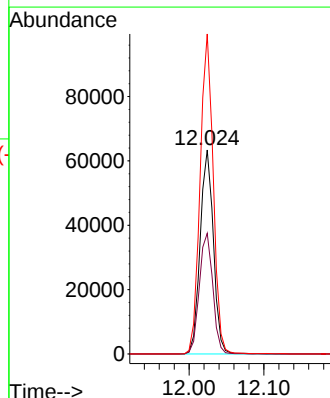
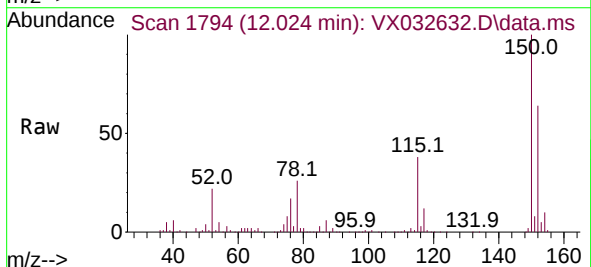
Instrument :
MSVOA_X
ClientSampleId :

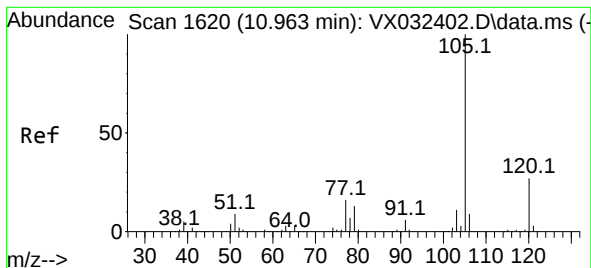
Tgt Ion:106 Resp: 1251
Ion Ratio Lower Upper
106 100
91 213.0 164.5 246.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion:152 Resp: 78000
Ion Ratio Lower Upper
152 100
115 60.1 44.0 132.0
150 154.9 0.0 351.8





#73

Isopropylbenzene

Concen: 2.899 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX032632.D

Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_X

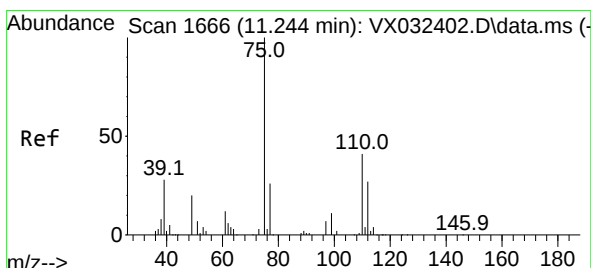
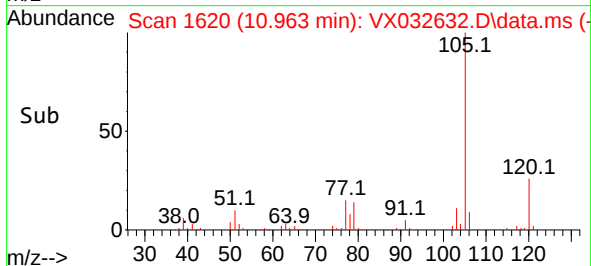
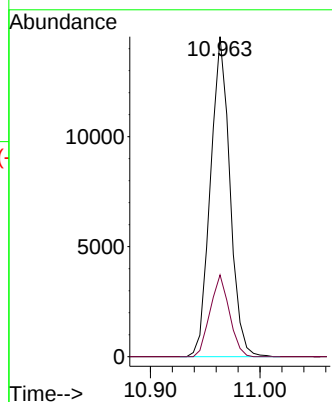
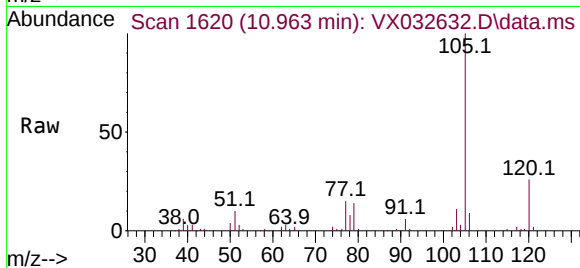
ClientSampleId :

Tgt Ion:105 Resp: 17918

Ion Ratio Lower Upper

105 100

120 25.2 13.1 39.3



#76

1,2,3-Trichloropropane

Concen: 26.818 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX032632.D

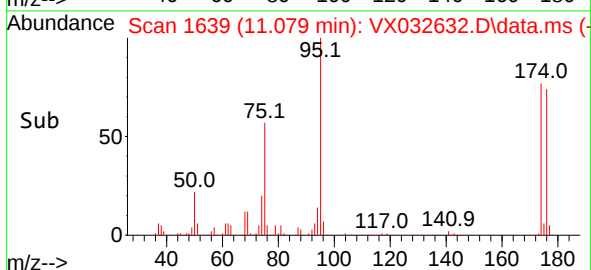
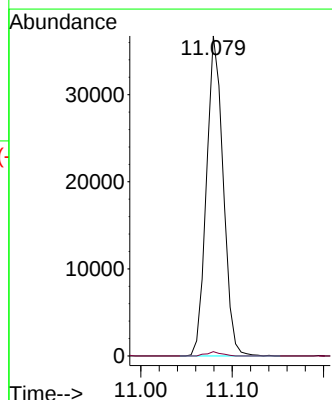
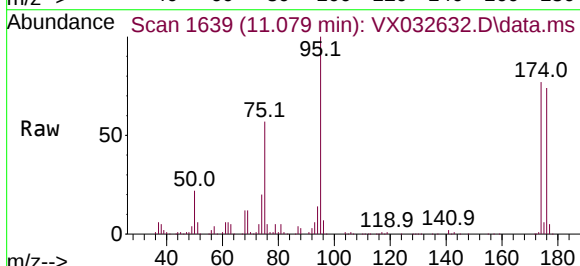
Acq: 07 Nov 2022 17:11

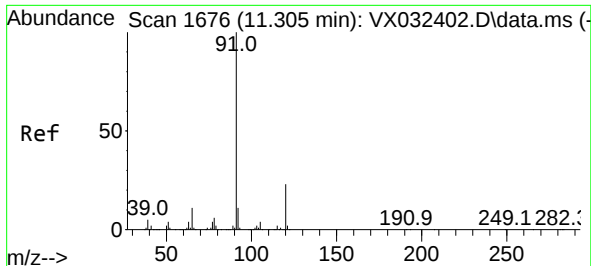
Tgt Ion: 75 Resp: 46538

Ion Ratio Lower Upper

75 100

77 1.2 20.0 60.0#

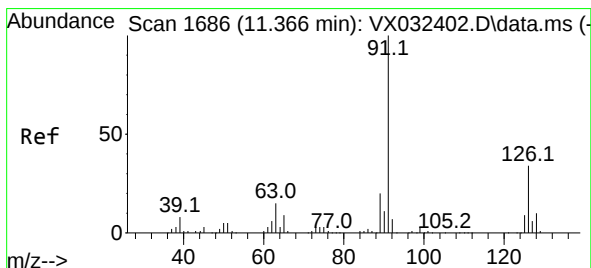
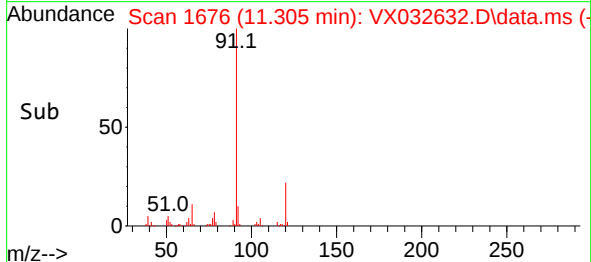
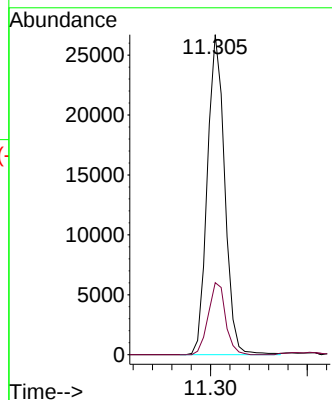
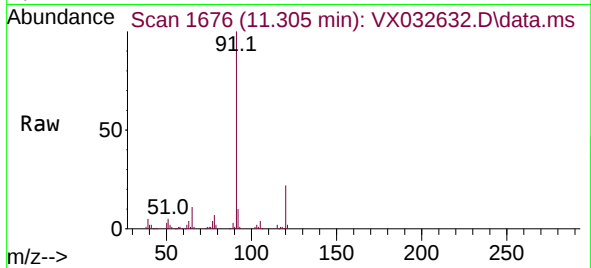




#78
n-propylbenzene
Concen: 4.675 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

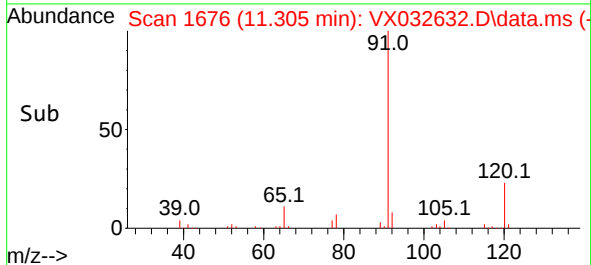
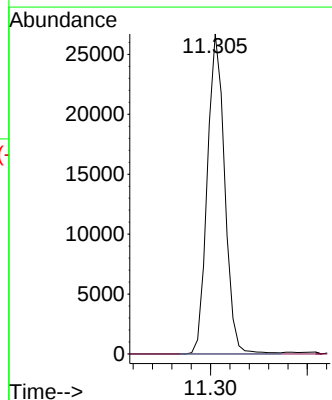
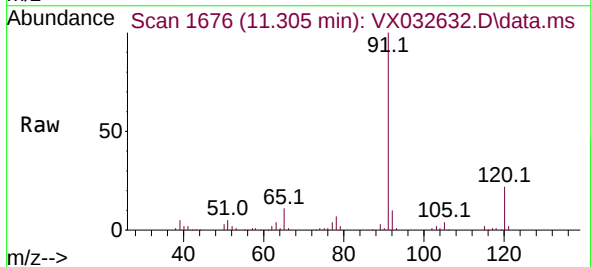
Instrument :
MSVOA_X
ClientSampleId :

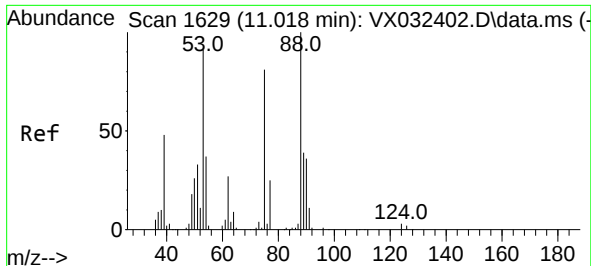
Tgt Ion: 91 Resp: 33289
Ion Ratio Lower Upper
91 100
120 22.3 11.6 34.8



#79
2-Chlorotoluene
Concen: 7.806 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.061 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

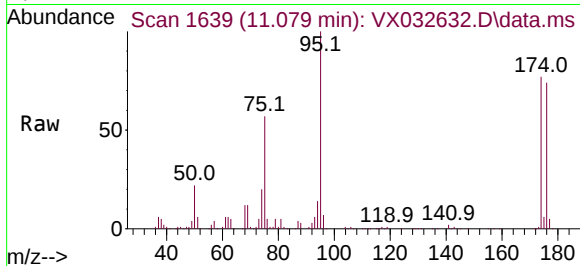
Tgt Ion: 91 Resp: 33289
Ion Ratio Lower Upper
91 100
126 0.0 17.1 51.2#



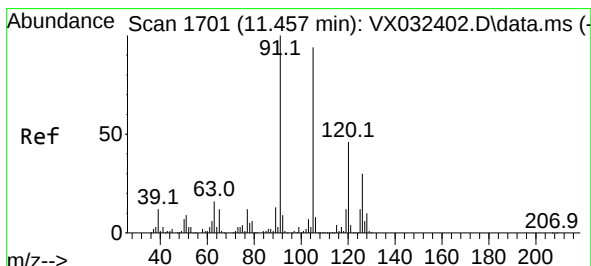
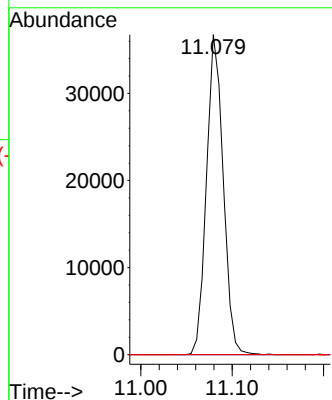
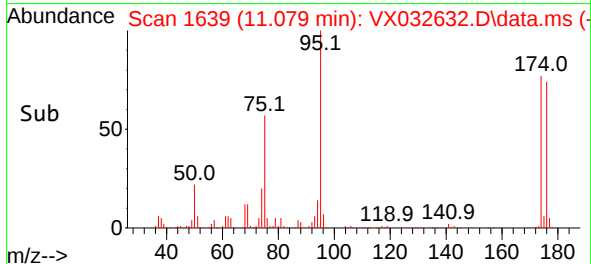


#81
trans-1,4-Dichloro-2-butene
Concen: 85.336 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Instrument :
MSVOA_X
ClientSampleId :

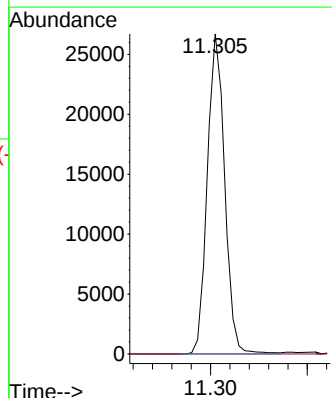
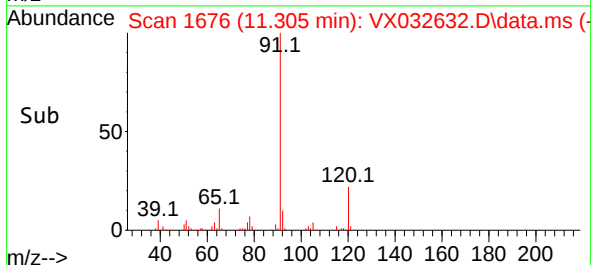
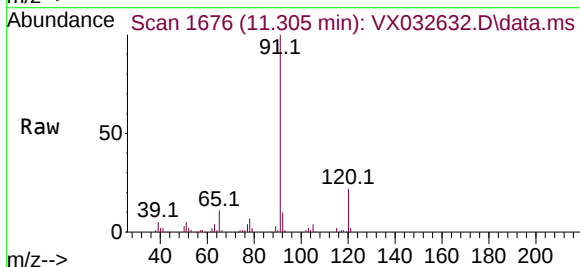


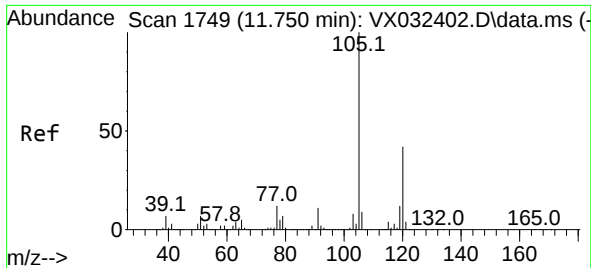
Tgt Ion: 75 Resp: 46538
Ion Ratio Lower Upper
75 100
53 0.0 86.9 130.3#
89 0.0 38.3 57.5#



#82
4-Chlorotoluene
Concen: 6.671 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.152 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

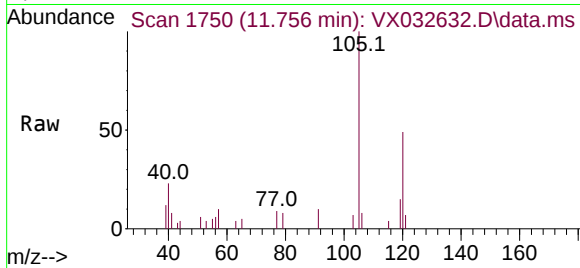
Tgt Ion: 91 Resp: 33289
Ion Ratio Lower Upper
91 100
126 0.0 14.8 44.4#



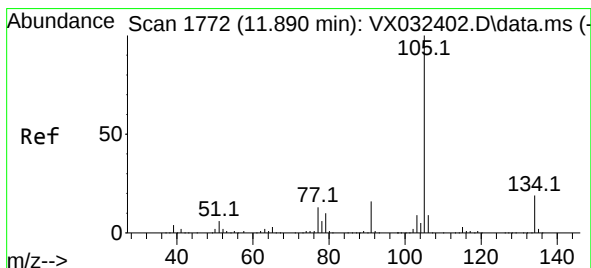
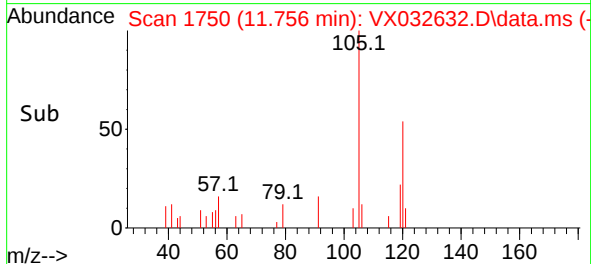
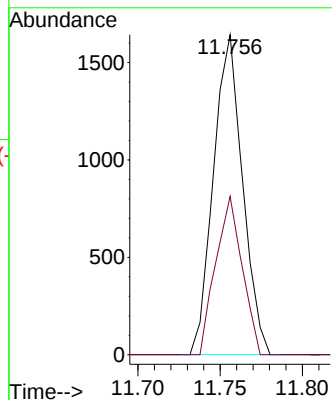


#84
1,2,4-Trimethylbenzene
Concen: 0.385 ug/l
RT: 11.756 min Scan# 11750
Delta R.T. 0.006 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Instrument :
MSVOA_X
ClientSampleId :

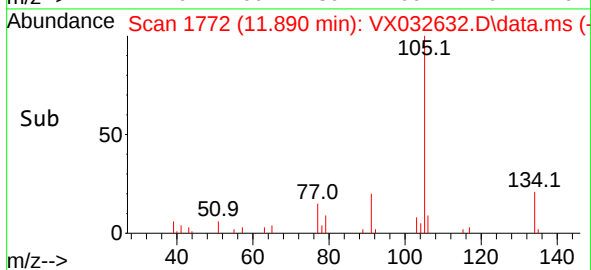
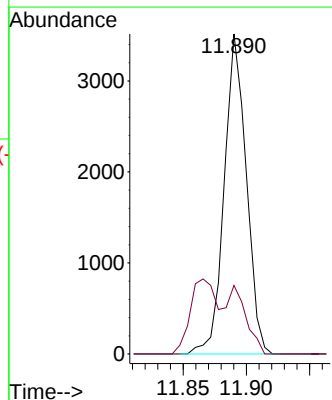
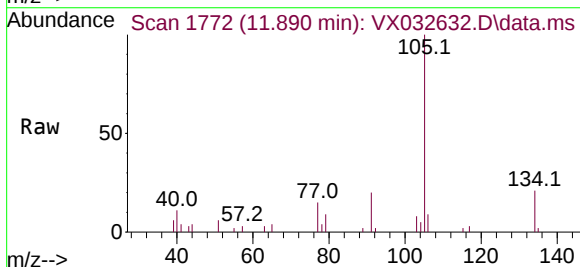


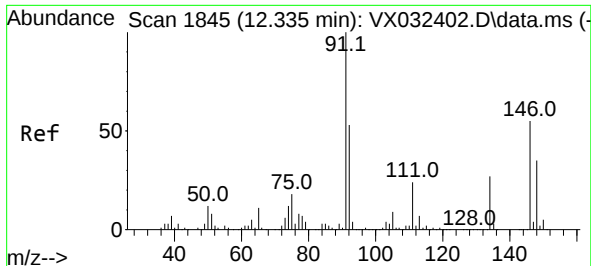
Tgt Ion:105 Resp: 2022
Ion Ratio Lower Upper
105 100
120 44.8 21.9 65.5



#85
sec-Butylbenzene
Concen: 0.670 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX032632.D
Acq: 07 Nov 2022 17:11

Tgt Ion:105 Resp: 4254
Ion Ratio Lower Upper
105 100
134 0.0 9.9 29.7#





#89

n-Butylbenzene

Concen: 0.521 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX032632.D

Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_X

ClientSampleId :

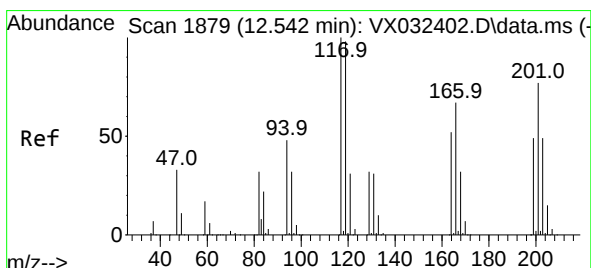
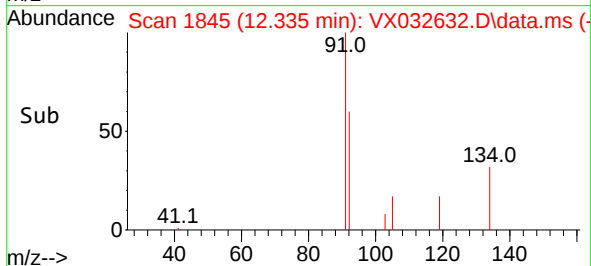
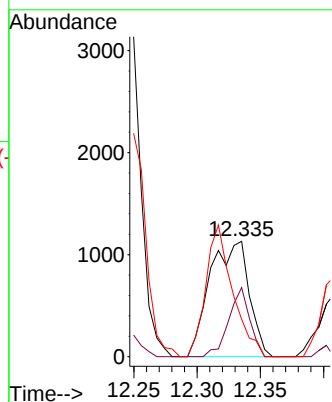
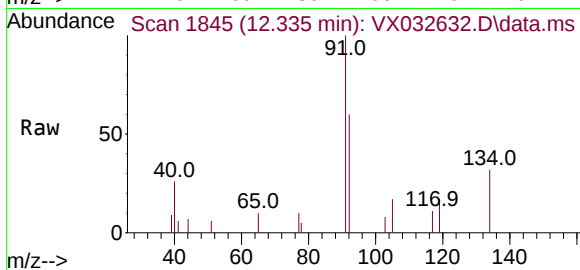
Tgt Ion: 91 Resp: 2443

Ion Ratio Lower Upper

91 100

92 32.0 26.2 78.6

134 78.2 12.9 38.6#



#90

Hexachloroethane

Concen: 1.169 ug/l

RT: 12.616 min Scan# 1891

Delta R.T. 0.073 min

Lab File: VX032632.D

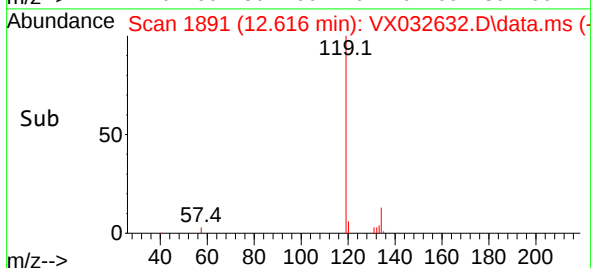
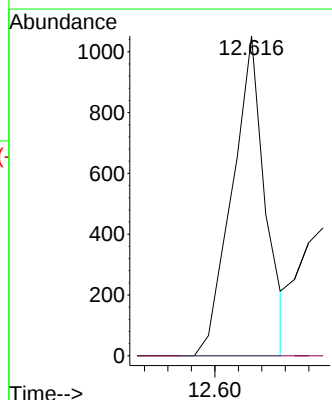
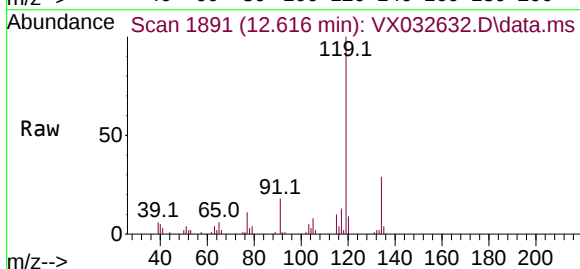
Acq: 07 Nov 2022 17:11

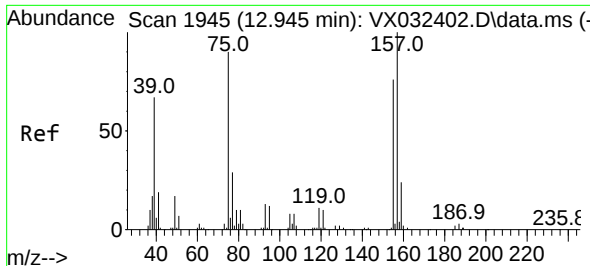
Tgt Ion: 117 Resp: 1028

Ion Ratio Lower Upper

117 100

201 0.0 37.6 112.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.791 ug/l

RT: 12.701 min Scan# 1945

Delta R.T. -0.244 min

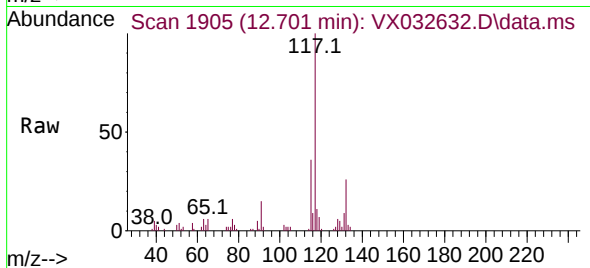
Lab File: VX032632.D

Acq: 07 Nov 2022 17:11

Instrument :

MSVOA_X

ClientSampleId :



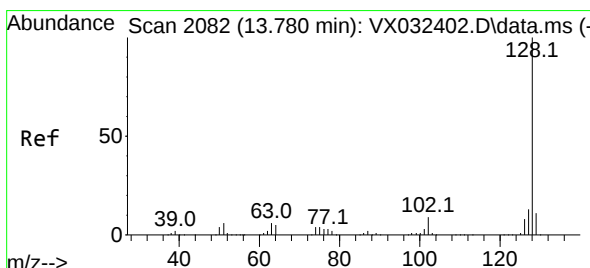
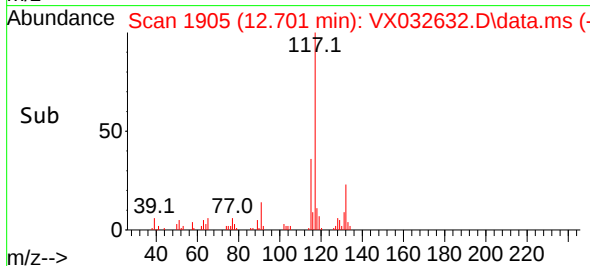
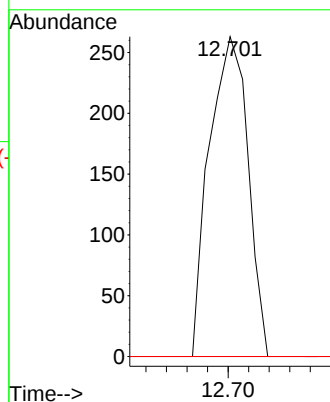
Tgt Ion: 75 Resp: 344

Ion Ratio Lower Upper

75 100

155 0.0 41.6 124.8#

157 0.0 54.1 162.4#



#95

Naphthalene

Concen: 0.823 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX032632.D

Acq: 07 Nov 2022 17:11

Tgt Ion: 128 Resp: 5040

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

129 11.6 8.9 13.3

