

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051822\
 Data File : VX028802.D
 Acq On : 18 May 2022 13:45
 Operator : JC/MD
 Sample : N2884-05DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31768DL

Quant Time: May 19 01:33:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

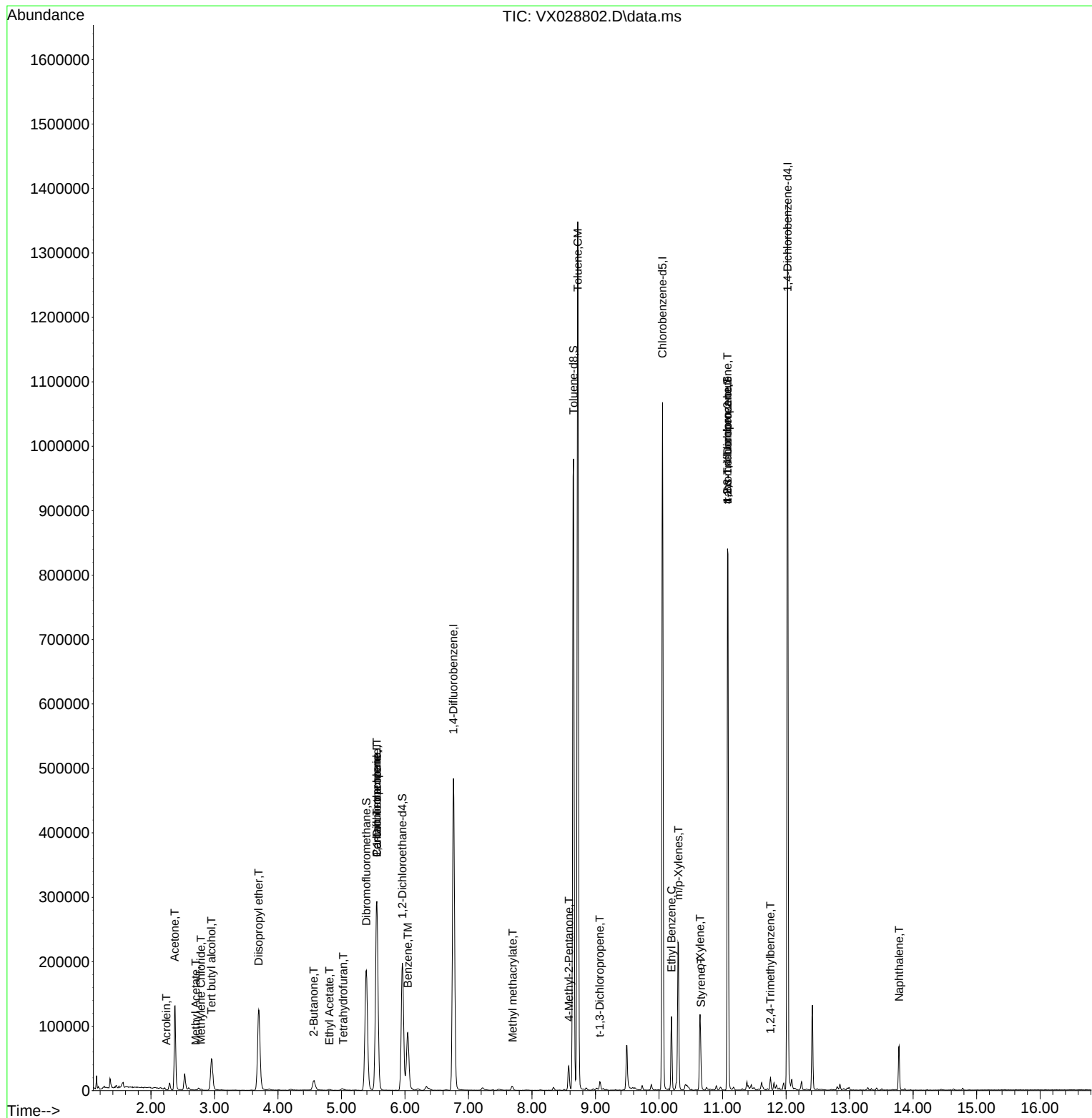
Internal Standards						
1) Pentafluorobenzene	5.556	168	271242	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	494466	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	472443	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264705	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	189083	50.855	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 101.700%	
35) Dibromofluoromethane	5.391	113	162089	50.033	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 100.060%	
50) Toluene-d8	8.653	98	594869	48.703	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.400%	
62) 4-Bromofluorobenzene	11.079	95	224891	49.296	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.600%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	683	Below Cal		92
6) Chloroethane	1.678	64	569	Below Cal	#	83
11) Tert butyl alcohol	2.953	59	35386	38.082	ug/l	96
13) Acrolein	2.239	56	159	0.261	ug/l #	15
16) Acetone	2.373	43	139590	87.478	ug/l	91
18) Methyl Acetate	2.703	43	928	0.232	ug/l #	80
20) Methylene Chloride	2.788	84	814	0.243	ug/l #	85
22) Diisopropyl ether	3.696	45	3335	0.347	ug/l #	1
25) 2-Butanone	4.562	43	18993	7.583	ug/l	93
29) Tetrahydrofuran	5.025	42	473	0.291	ug/l #	52
36) 1,1-Dichloropropene	5.556	75	22106	4.543	ug/l #	49
37) Ethyl Acetate	4.812	43	1699	0.334	ug/l #	65
38) Carbon Tetrachloride	5.556	117	29069	5.936	ug/l #	16
40) Benzene	6.043	78	108126	7.732	ug/l	97
48) Methyl methacrylate	7.696	41	3024	0.787	ug/l #	31
51) 4-Methyl-2-Pentanone	8.580	43	23260	4.441	ug/l	91
52) Toluene	8.720	92	493784	54.890	ug/l	100
53) t-1,3-Dichloropropene	9.067	75	475	1.723	ug/l	98
67) Ethyl Benzene	10.195	91	63445	3.532	ug/l	98
68) m/p-Xylenes	10.305	106	54730	7.825	ug/l	99
69) o-Xylene	10.646	106	23349	3.391	ug/l	100
70) Styrene	10.659	104	16065	1.437	ug/l #	87
76) 1,2,3-Trichloropropane	11.079	75	120265	19.400	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	120265	57.266	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	8049	0.480	ug/l	100
95) Naphthalene	13.780	128	40783	2.168	ug/l	99

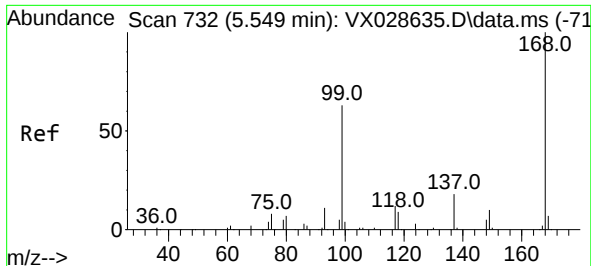
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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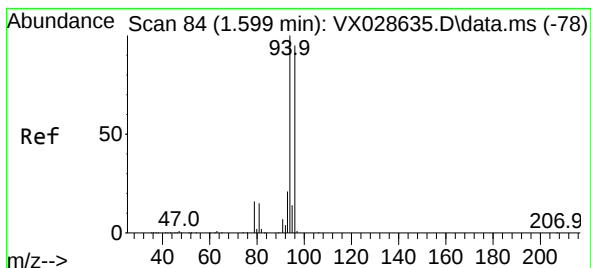
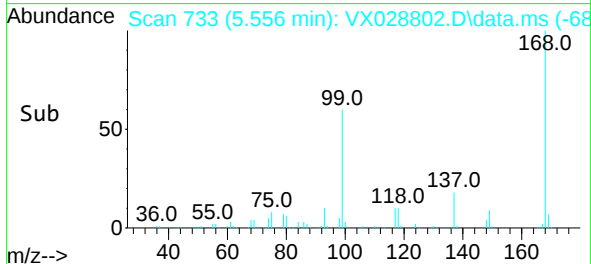
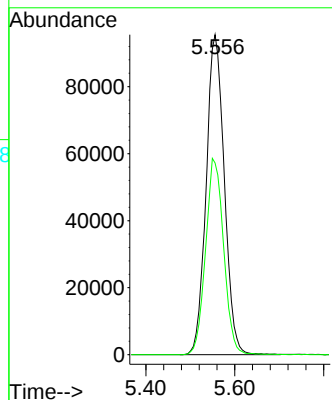
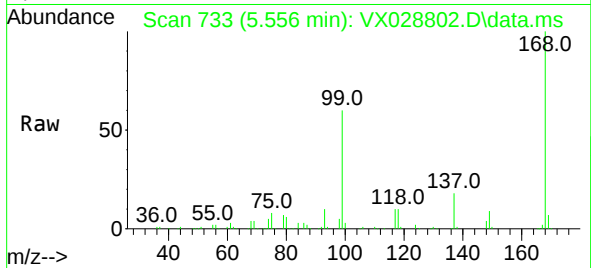




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

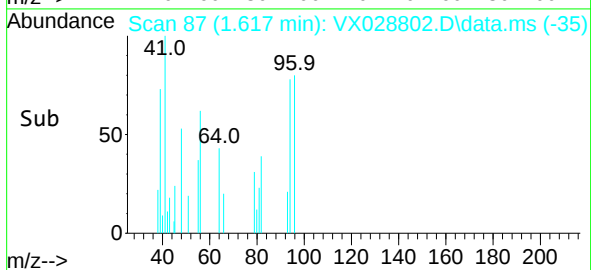
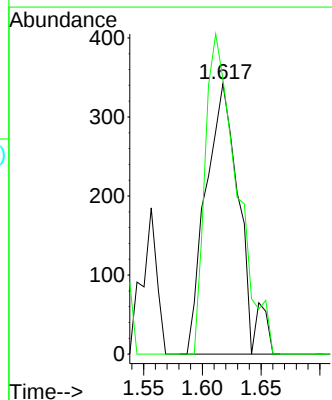
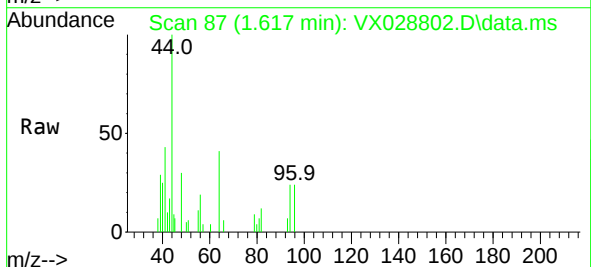
Instrument :
MSVOA_X
ClientSampleId :
31768DL

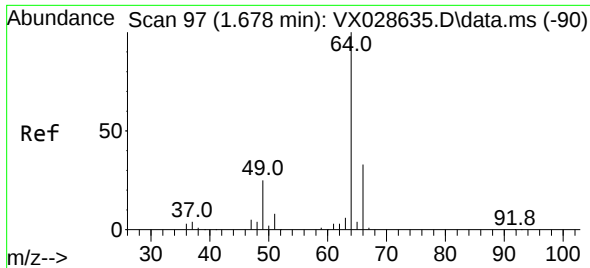
Tgt Ion:168 Resp: 271242
Ion Ratio Lower Upper
168 100
99 59.9 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion: 94 Resp: 683
Ion Ratio Lower Upper
94 100
96 101.8 75.3 112.9

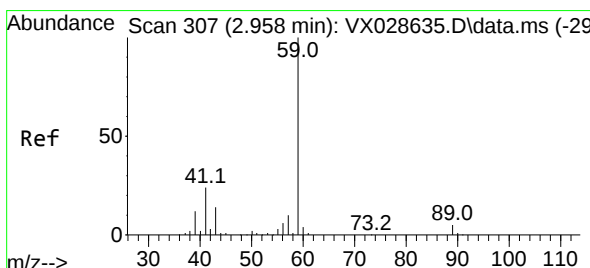
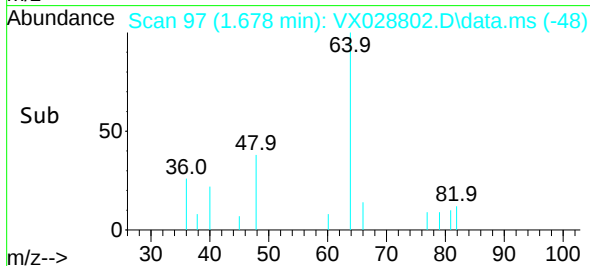
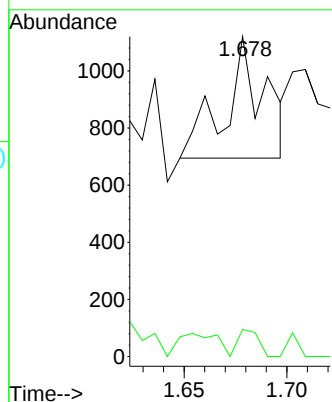
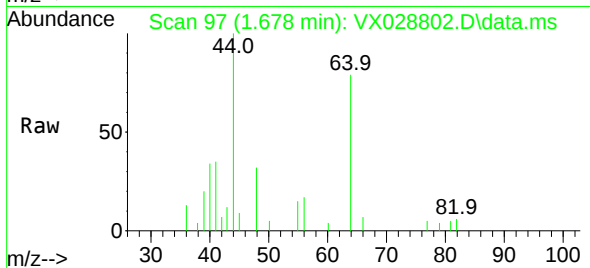




#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

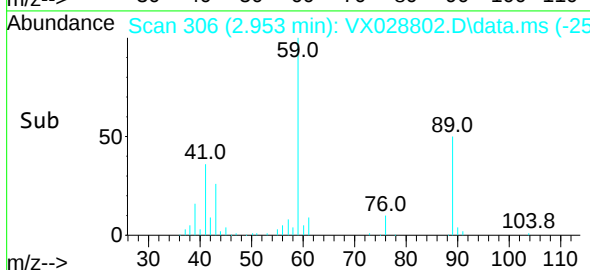
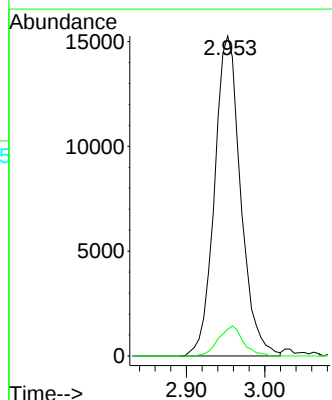
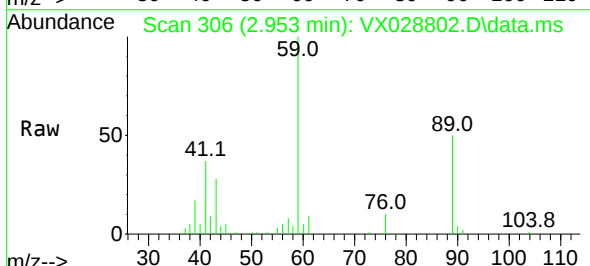
Instrument :
MSVOA_X
ClientSampleId :
31768DL

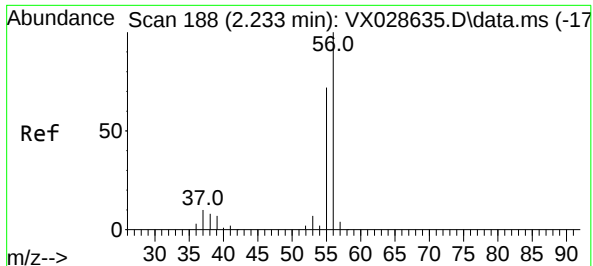
Tgt Ion: 64 Resp: 569
Ion Ratio Lower Upper
64 100
66 22.4 25.3 37.9#



#11
Tert butyl alcohol
Concen: 38.082 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.005 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion: 59 Resp: 35386
Ion Ratio Lower Upper
59 100
57 8.8 8.3 12.5

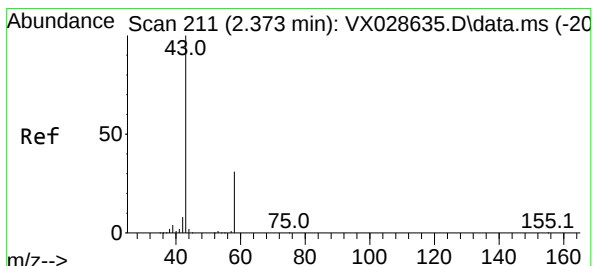
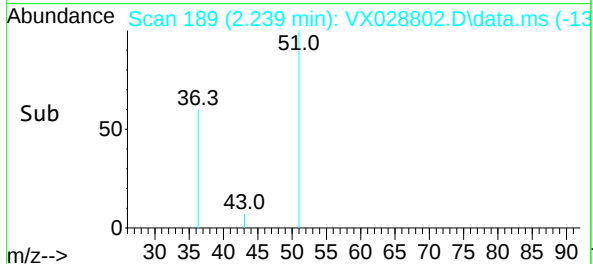
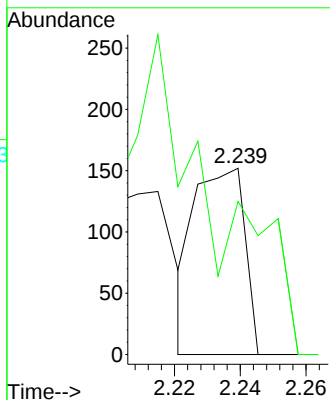
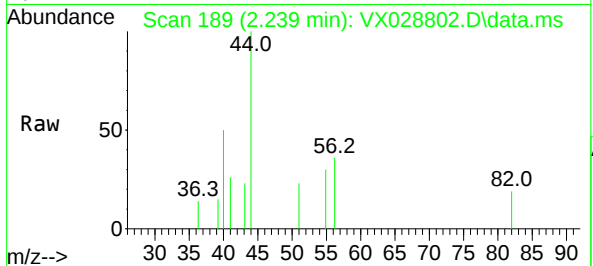




#13
Acrolein
Concen: 0.261 ug/l
RT: 2.239 min Scan# 188
Delta R.T. 0.006 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

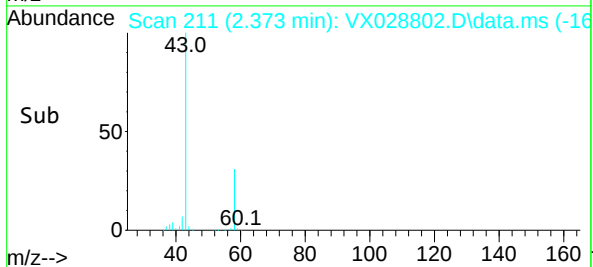
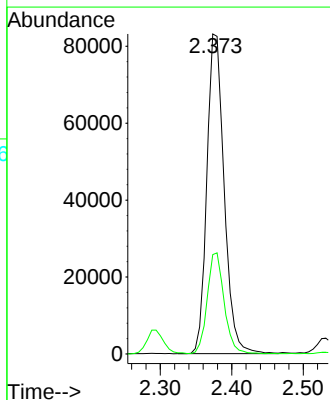
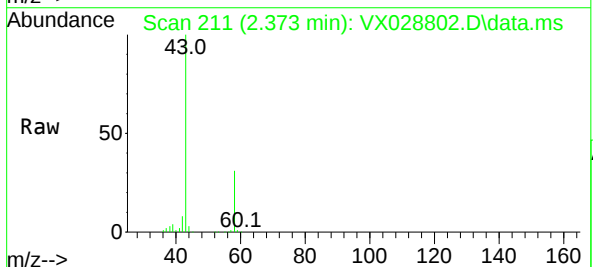
Instrument :
MSVOA_X
ClientSampleId :
31768DL

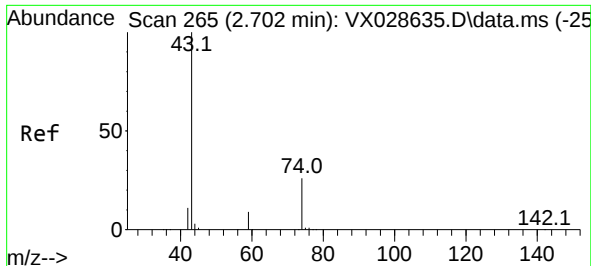
Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#16
Acetone
Concen: 87.478 ug/l
RT: 2.373 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion: 43 Resp: 139590
Ion Ratio Lower Upper
43 100
58 31.0 28.8 43.2

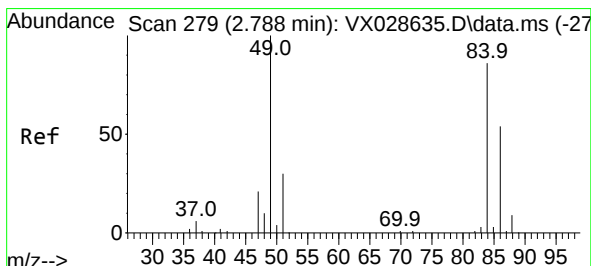
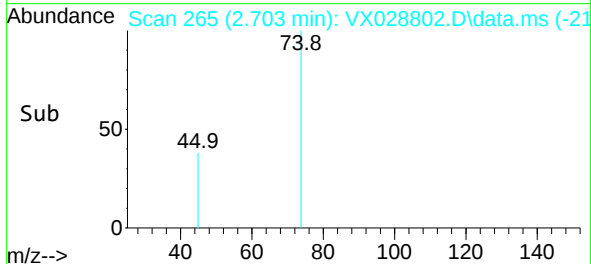
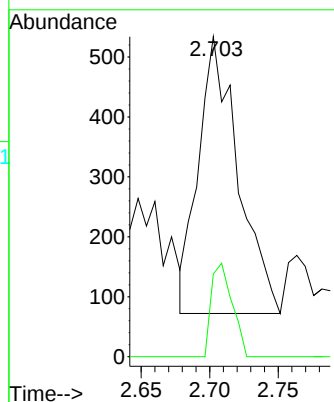
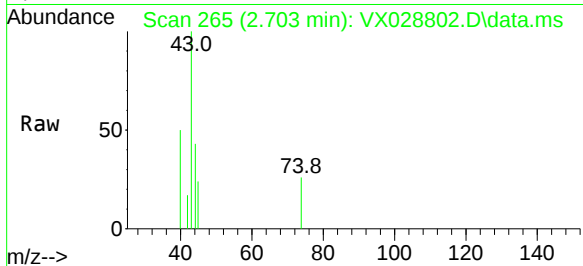




#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.001 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

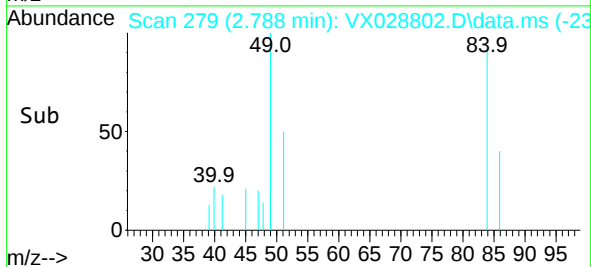
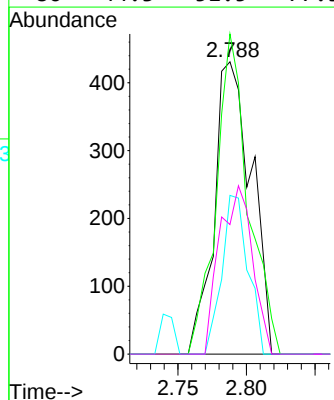
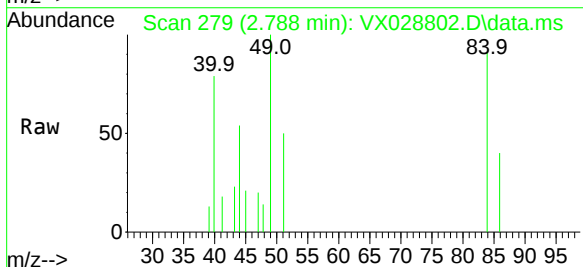
Instrument :
MSVOA_X
ClientSampleId :
31768DL

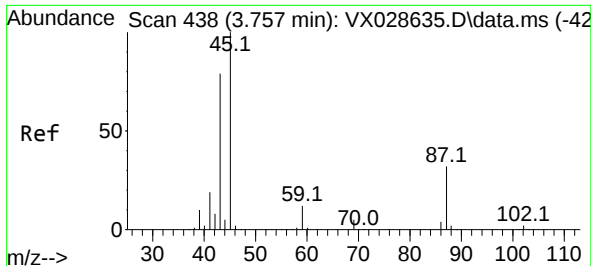
Tgt Ion: 43 Resp: 928
Ion Ratio Lower Upper
43 100
74 17.8 22.8 34.2#



#20
Methylene Chloride
Concen: 0.243 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

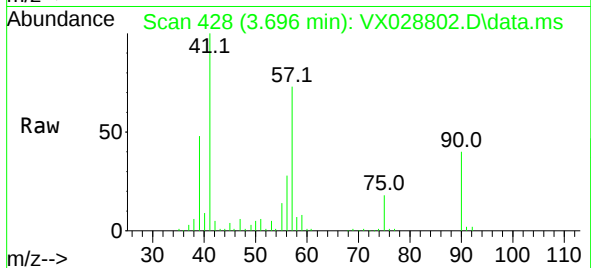
Tgt Ion: 84 Resp: 814
Ion Ratio Lower Upper
84 100
49 109.5 85.5 128.3
51 54.3 26.6 39.8#
86 44.3 51.5 77.3#



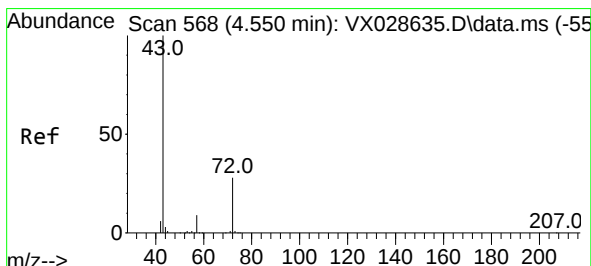
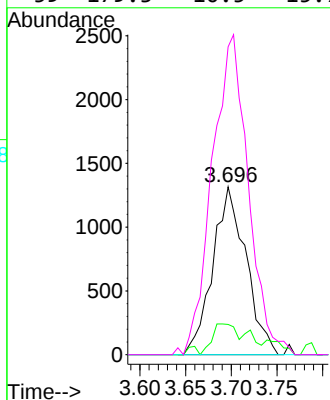
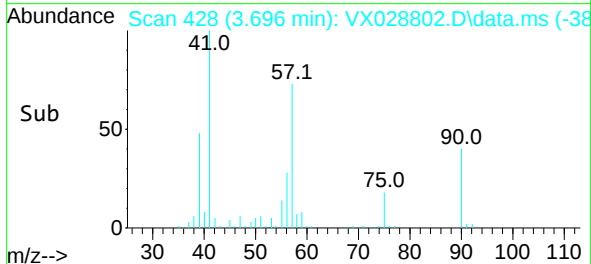


#22
Diisopropyl ether
Concen: 0.347 ug/l
RT: 3.696 min Scan# 41
Delta R.T. -0.061 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

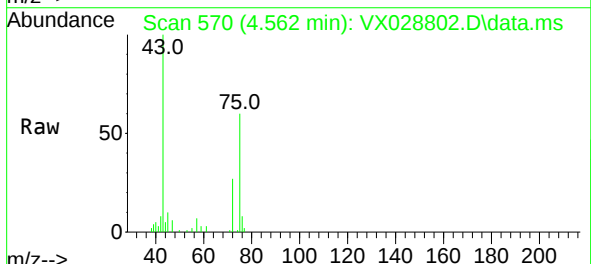
Instrument :
MSVOA_X
ClientSampleId :
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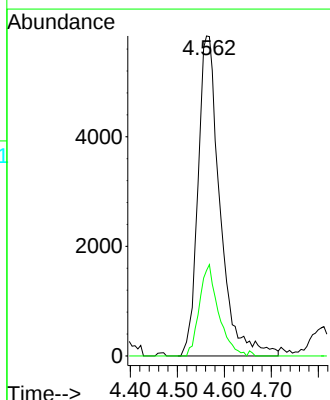
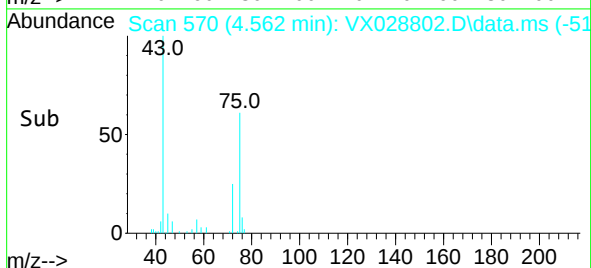
Tgt Ion:	45	Resp:	3335
Ion	Ratio	Lower	Upper
45	100		
43	18.0	50.8	76.2#
87	0.0	26.6	39.8#
59	179.3	10.5	15.7#

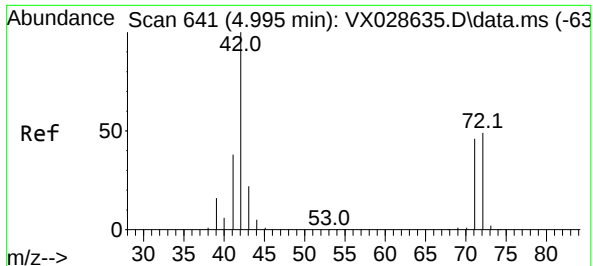


#25
2-Butanone
Concen: 7.583 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.012 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45



Tgt Ion:	43	Resp:	18993
Ion	Ratio	Lower	Upper
43	100		
72	26.7	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.291 ug/l

RT: 5.025 min Scan# 641

Delta R.T. 0.030 min

Lab File: VX028802.D

Acq: 18 May 2022 13:45

Instrument :

MSVOA_X

ClientSampleId :

31768DL

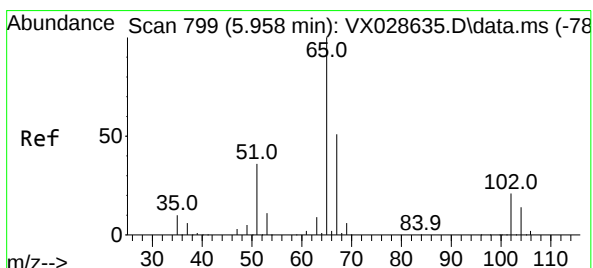
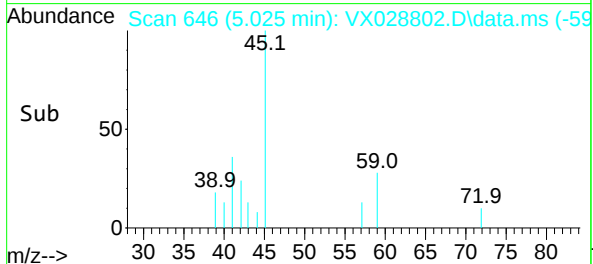
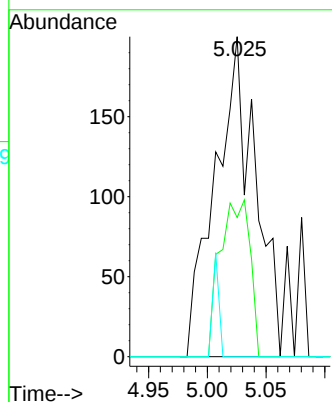
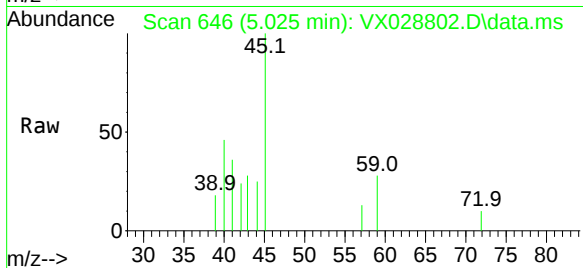
Tgt Ion: 42 Resp: 473

Ion Ratio Lower Upper

42 100

72 36.6 44.1 66.1#

71 0.0 40.5 60.7#



#33

1,2-Dichloroethane-d4

Concen: 50.855 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028802.D

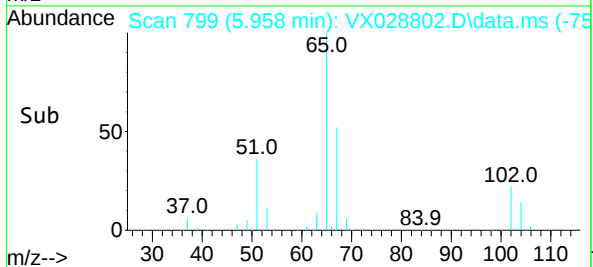
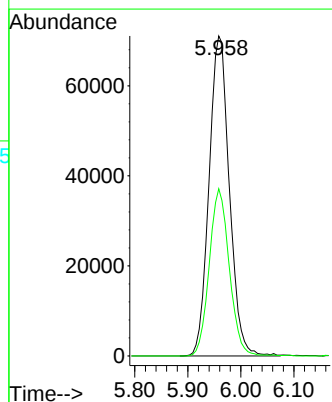
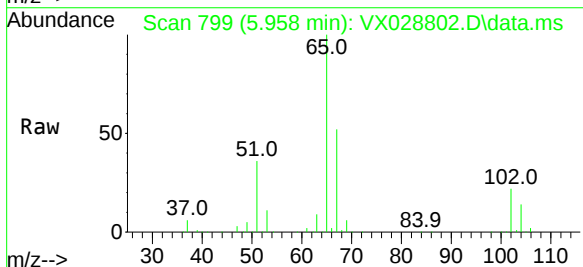
Acq: 18 May 2022 13:45

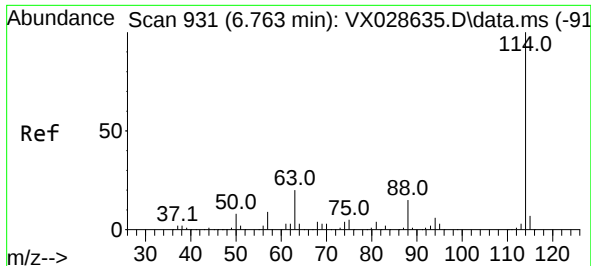
Tgt Ion: 65 Resp: 189083

Ion Ratio Lower Upper

65 100

67 51.5 0.0 107.4

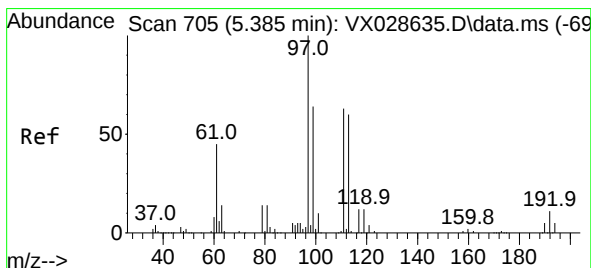
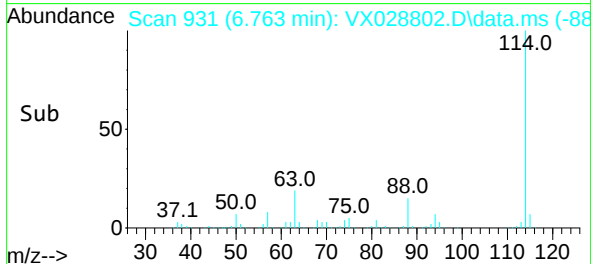
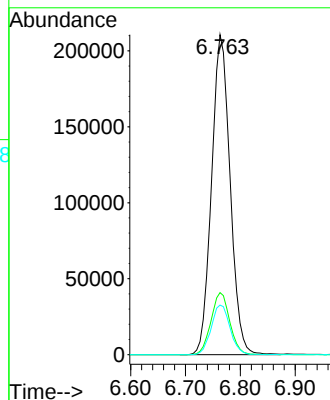
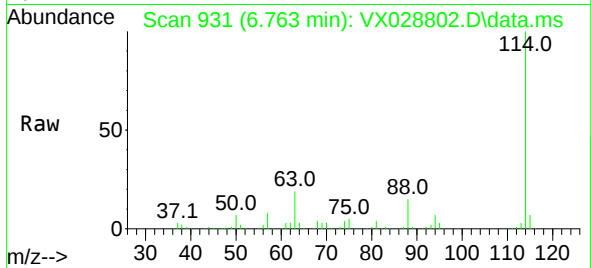




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

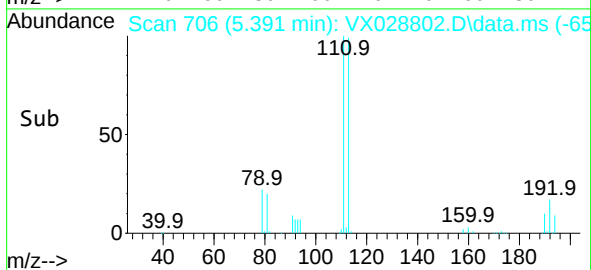
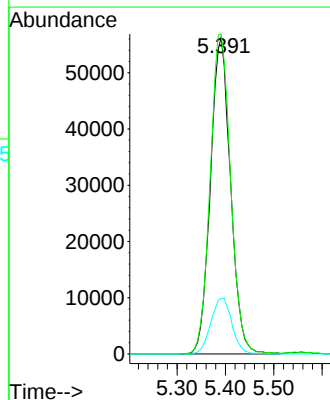
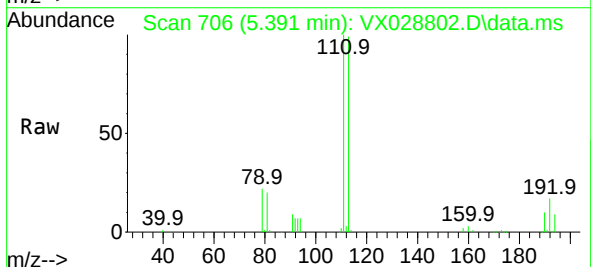
Instrument :
MSVOA_X
ClientSampleId :
31768DL

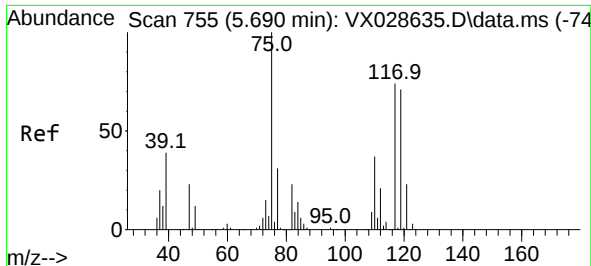
Tgt Ion:114 Resp: 494466
Ion Ratio Lower Upper
114 100
63 19.4 0.0 36.8
88 15.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.033 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion:113 Resp: 162089
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 18.5 16.9 25.3

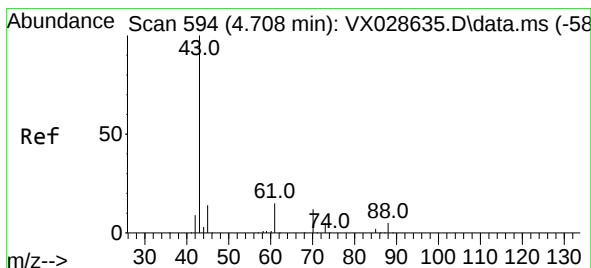
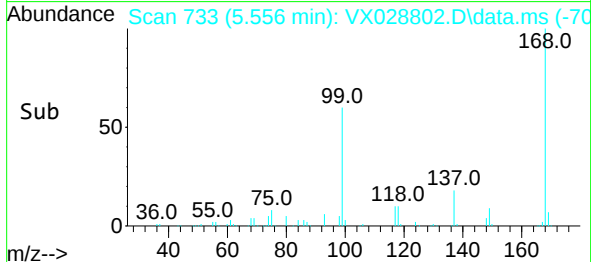
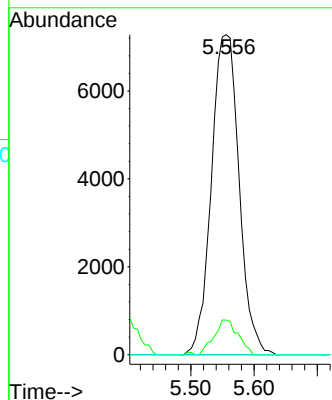
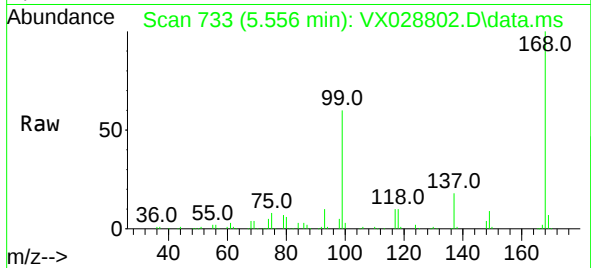




#36
1,1-Dichloropropene
Concen: 4.543 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

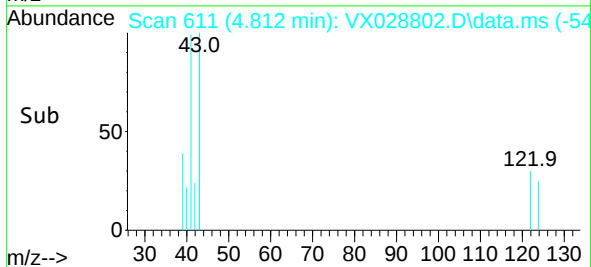
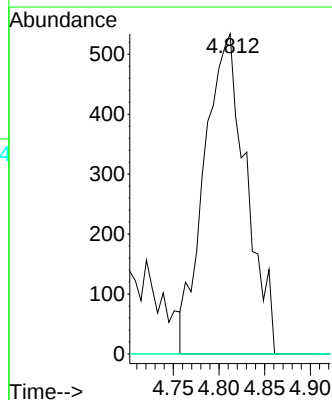
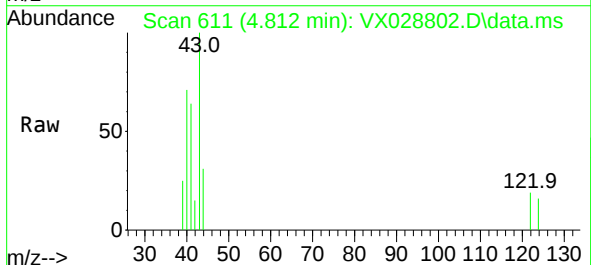
Instrument :
MSVOA_X
ClientSampleId :
31768DL

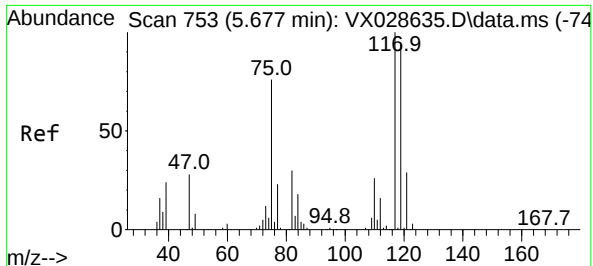
Tgt Ion: 75 Resp: 22106
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 0.334 ug/l
RT: 4.812 min Scan# 611
Delta R.T. 0.104 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion: 43 Resp: 1699
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 10.2 15.2#

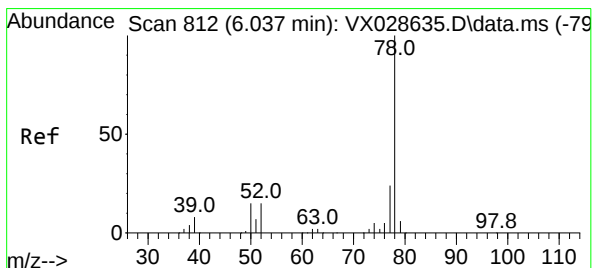
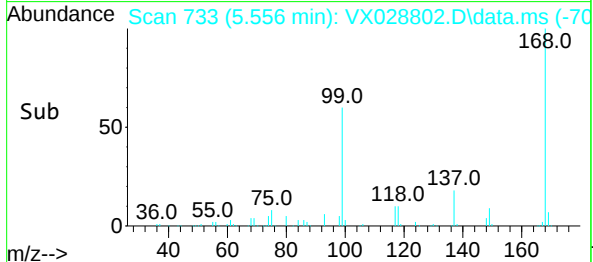
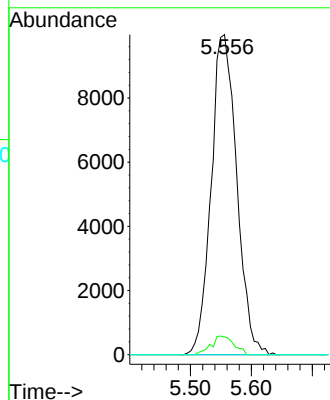
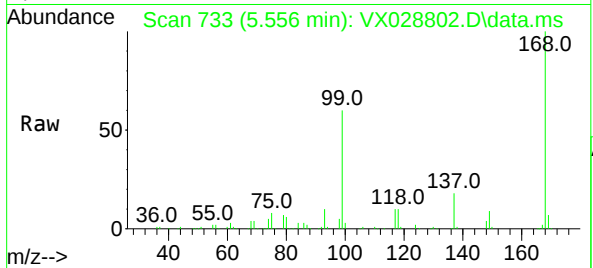




#38
Carbon Tetrachloride
Concen: 5.936 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

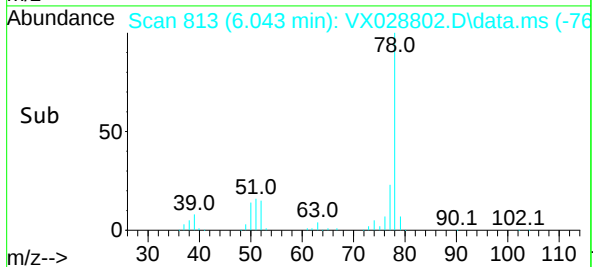
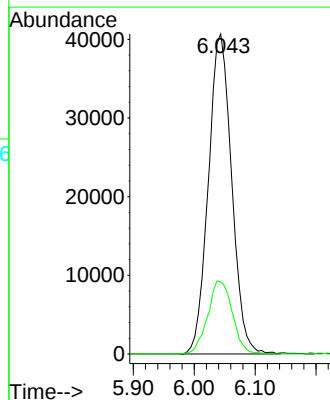
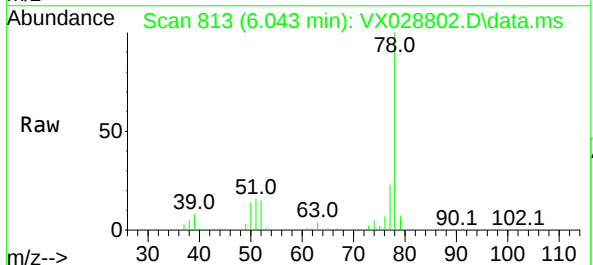
Instrument :
MSVOA_X
ClientSampleId :
31768DL

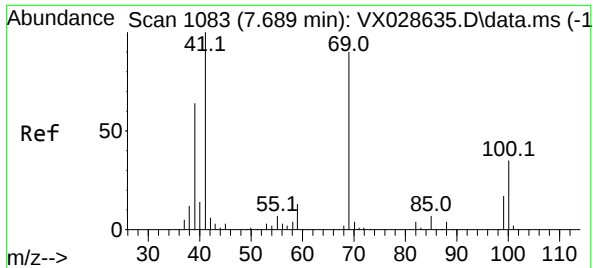
Tgt Ion:117 Resp: 29069
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 7.732 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion: 78 Resp: 108126
Ion Ratio Lower Upper
78 100
77 22.5 19.3 28.9





#48

Methyl methacrylate

Concen: 0.787 ug/l

RT: 7.696 min Scan# 1084

Delta R.T. 0.007 min

Lab File: VX028802.D

Acq: 18 May 2022 13:45

Instrument :

MSVOA_X

ClientSampleId :

31768DL

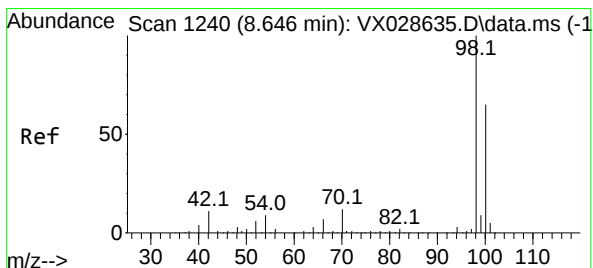
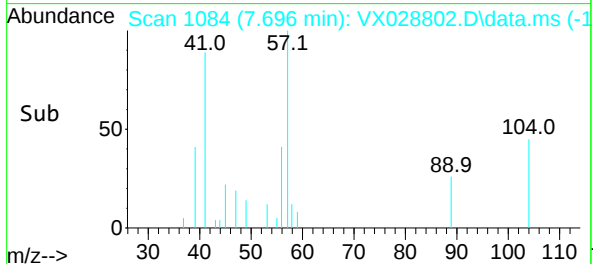
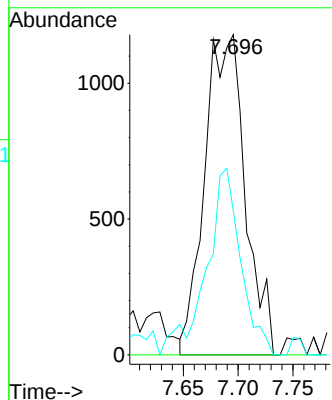
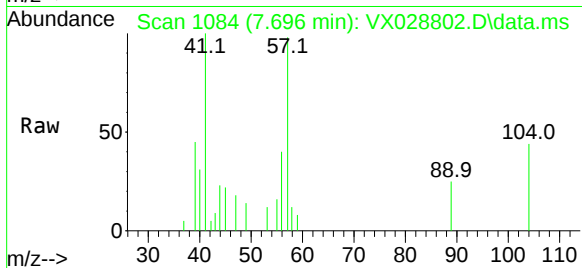
Tgt Ion: 41 Resp: 3024

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 49.5 43.8 65.8



#50

Toluene-d8

Concen: 48.703 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX028802.D

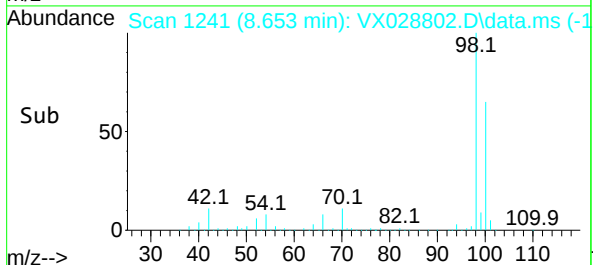
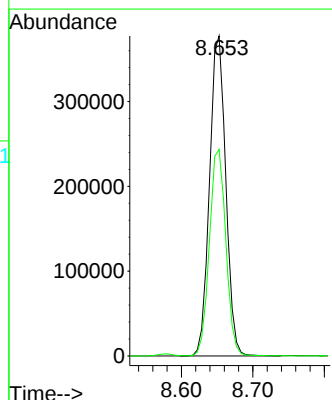
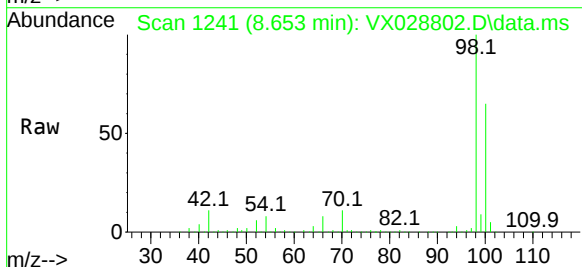
Acq: 18 May 2022 13:45

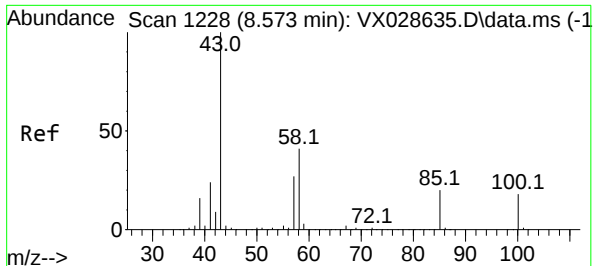
Tgt Ion: 98 Resp: 594869

Ion Ratio Lower Upper

98 100

100 65.3 52.6 78.8

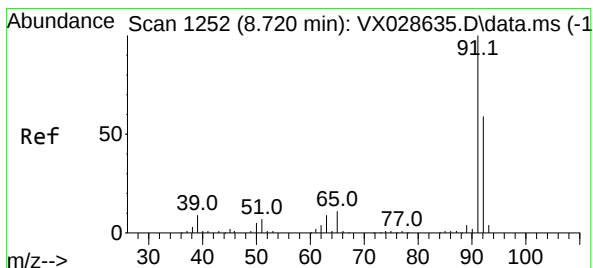
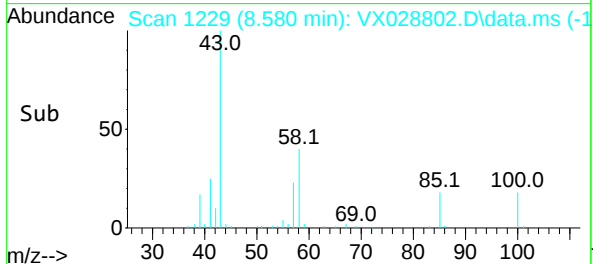
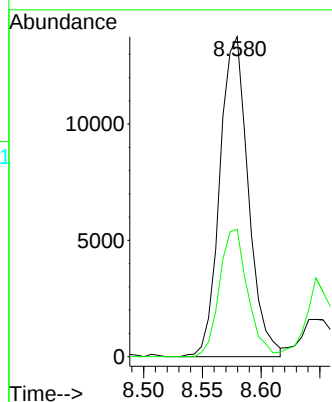
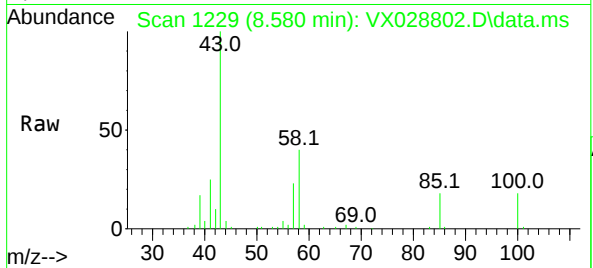




#51
4-Methyl-2-Pentanone
Concen: 4.441 ug/l
RT: 8.580 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

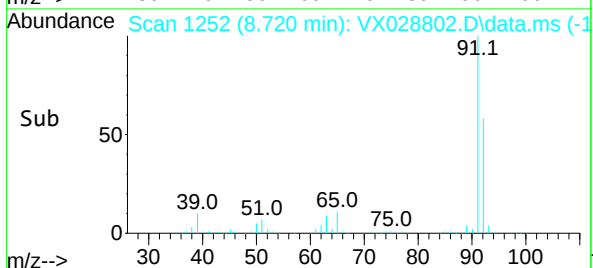
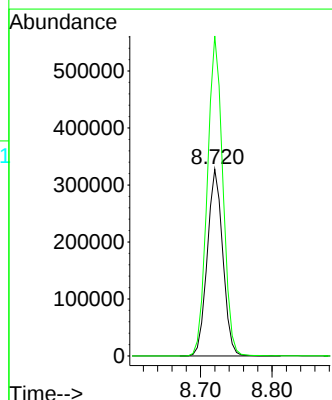
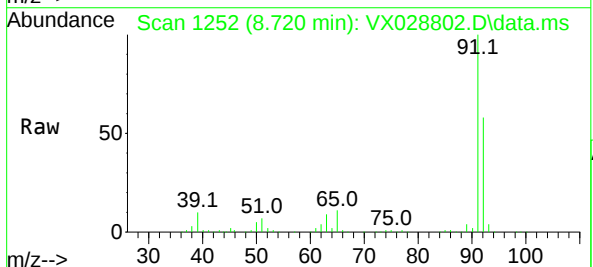
Instrument :
MSVOA_X
ClientSampleId :
31768DL

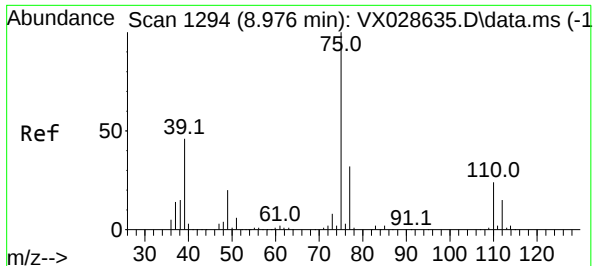
Tgt Ion: 43 Resp: 23260
Ion Ratio Lower Upper
43 100
58 39.4 36.1 54.1



#52
Toluene
Concen: 54.890 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion: 92 Resp: 493784
Ion Ratio Lower Upper
92 100
91 171.5 137.5 206.3





#53

t-1,3-Dichloropropene

Concen: 1.723 ug/l

RT: 9.067 min Scan# 11

Delta R.T. 0.091 min

Lab File: VX028802.D

Acq: 18 May 2022 13:45

Instrument :

MSVOA_X

ClientSampleId :

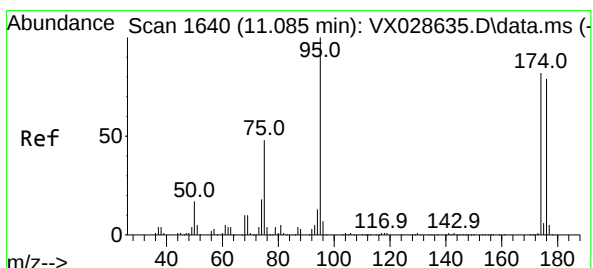
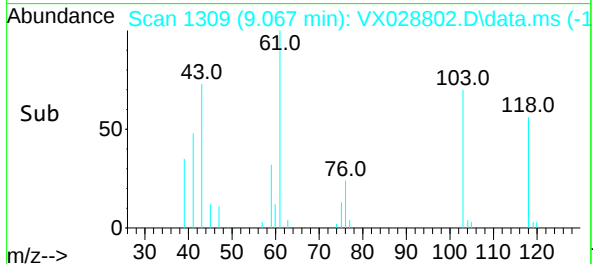
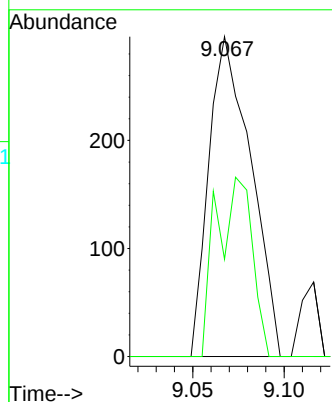
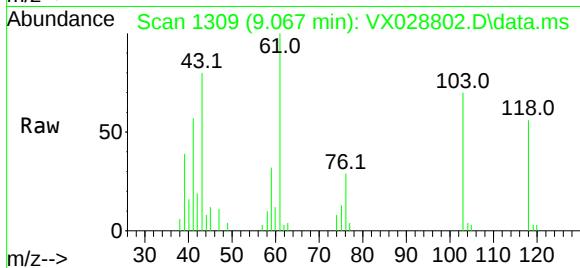
31768DL

Tgt Ion: 75 Resp: 475

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0



#62

4-Bromofluorobenzene

Concen: 49.296 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028802.D

Acq: 18 May 2022 13:45

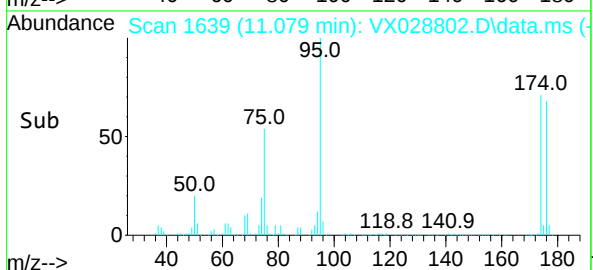
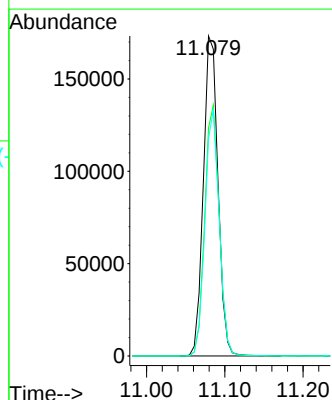
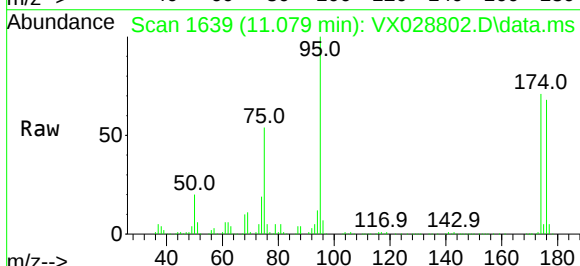
Tgt Ion: 95 Resp: 224891

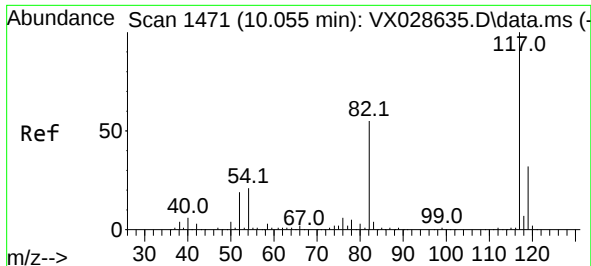
Ion Ratio Lower Upper

95 100

174 77.4 0.0 163.0

176 75.1 0.0 155.0

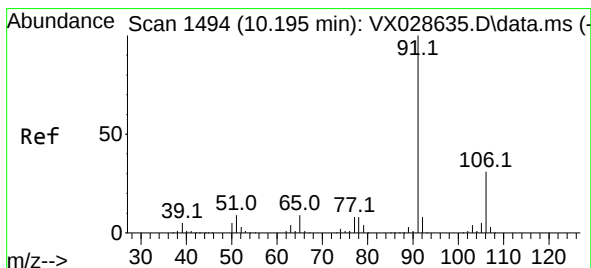
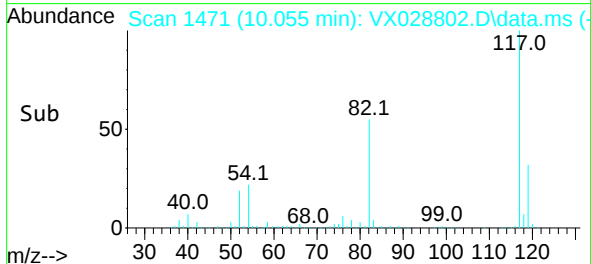
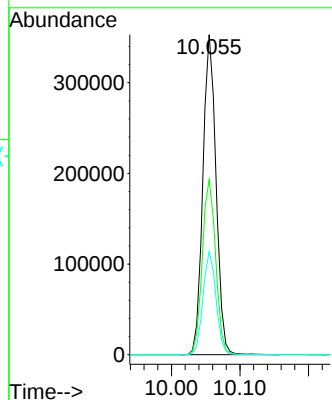
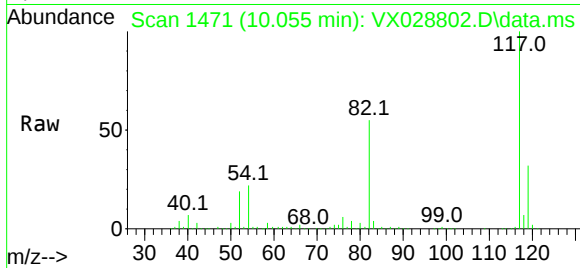




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

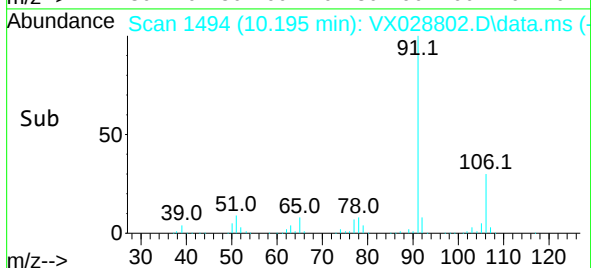
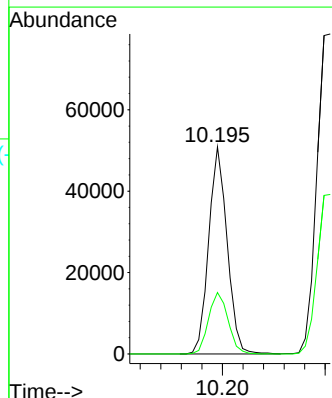
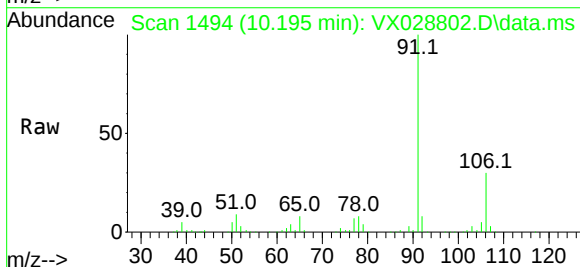
Instrument :
MSVOA_X
ClientSampleId :
31768DL

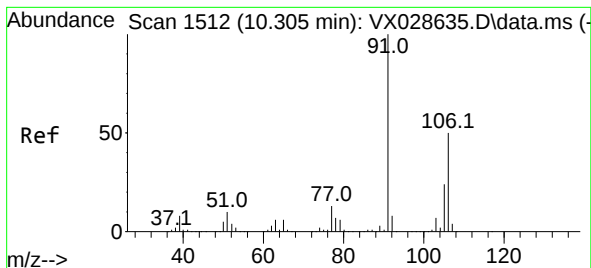
Tgt Ion:117 Resp: 472443
Ion Ratio Lower Upper
117 100
82 54.7 41.8 62.8
119 32.2 24.8 37.2



#67
Ethyl Benzene
Concen: 3.532 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion: 91 Resp: 63445
Ion Ratio Lower Upper
91 100
106 29.7 24.6 36.8

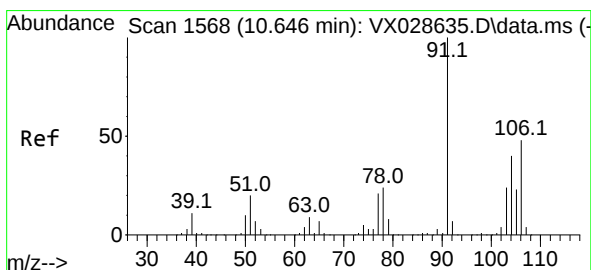
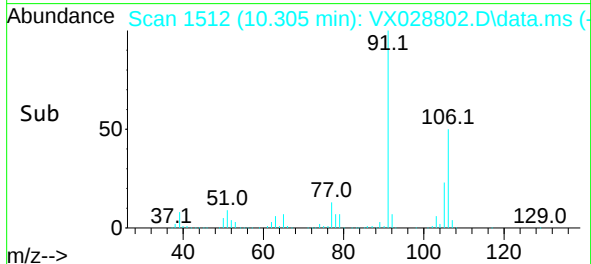
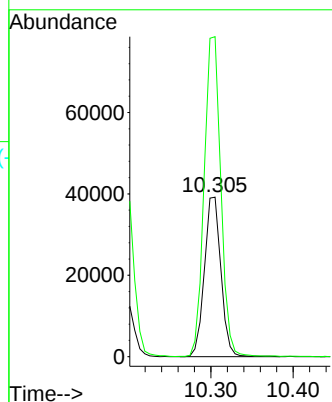
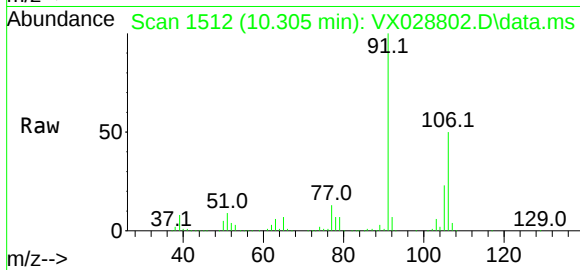




#68
m/p-Xylenes
Concen: 7.825 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

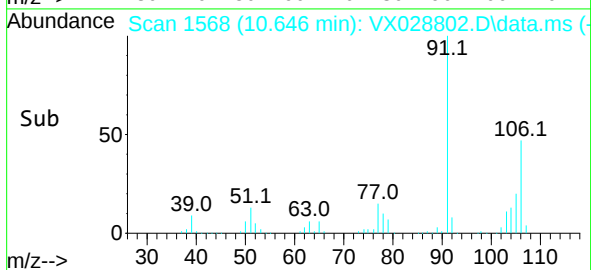
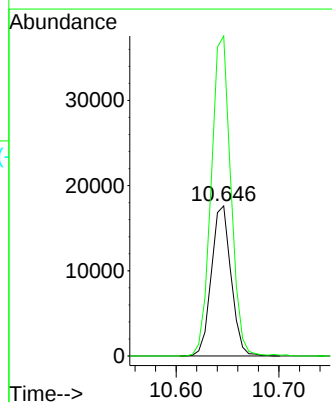
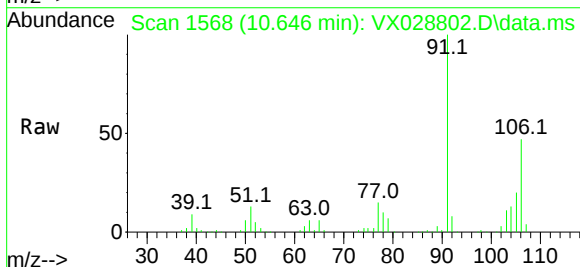
Instrument :
MSVOA_X
ClientSampleId :
31768DL

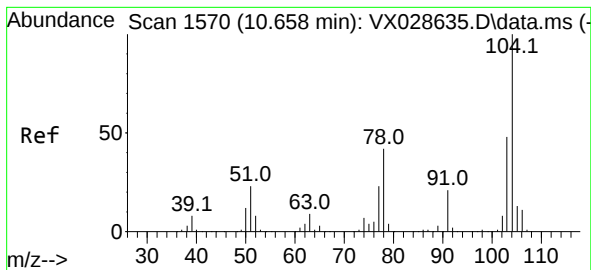
Tgt Ion:106 Resp: 54730
Ion Ratio Lower Upper
106 100
91 202.2 160.4 240.6



#69
o-Xylene
Concen: 3.391 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion:106 Resp: 23349
Ion Ratio Lower Upper
106 100
91 212.7 106.1 318.1





#70

Styrene

Concen: 1.437 ug/l

RT: 10.659 min Scan# 1

Delta R.T. 0.001 min

Lab File: VX028802.D

Acq: 18 May 2022 13:45

Instrument :

MSVOA_X

ClientSampleId :

31768DL

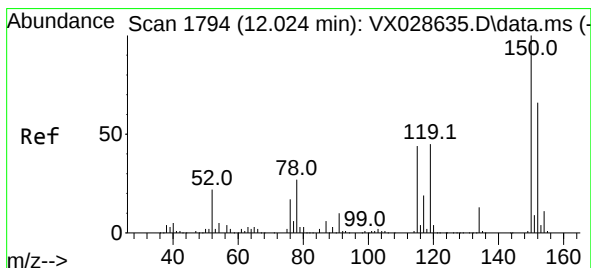
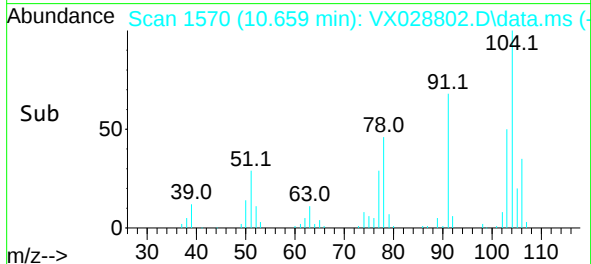
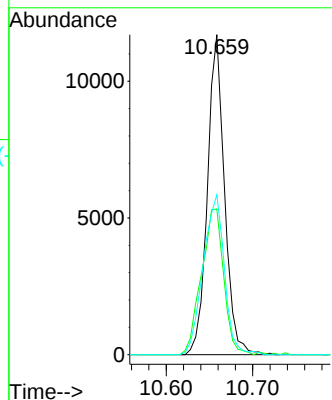
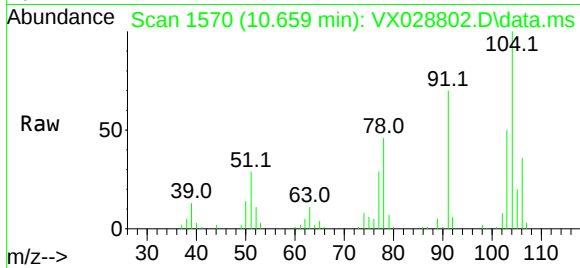
Tgt Ion:104 Resp: 16065

Ion Ratio Lower Upper

104 100

78 59.2 38.6 57.8#

103 61.9 43.8 65.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028802.D

Acq: 18 May 2022 13:45

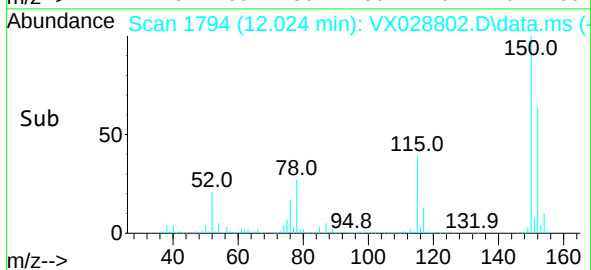
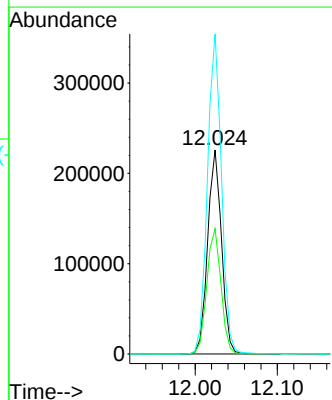
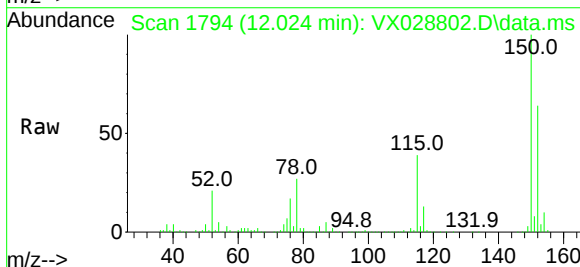
Tgt Ion:152 Resp: 264705

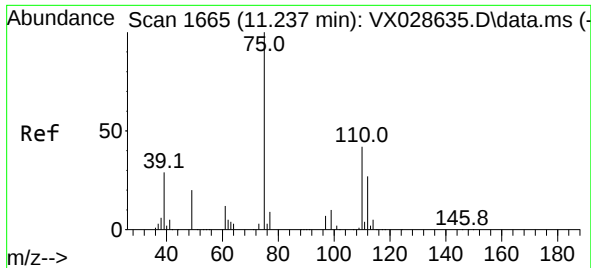
Ion Ratio Lower Upper

152 100

115 62.7 37.5 112.7

150 158.6 0.0 338.2

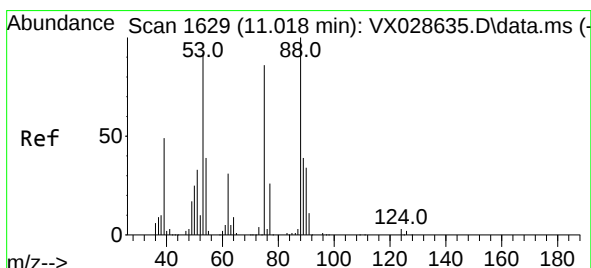
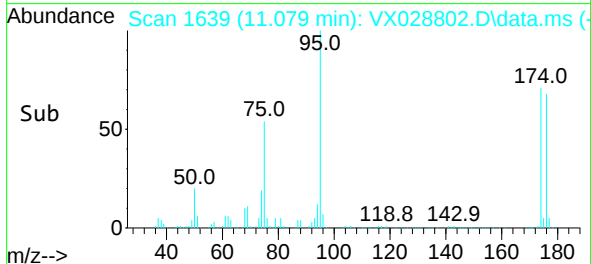
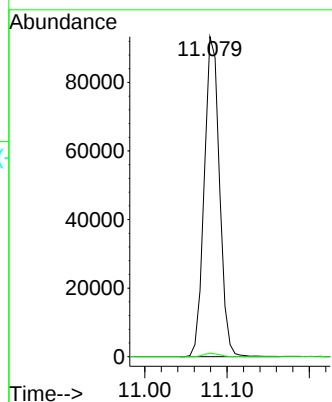
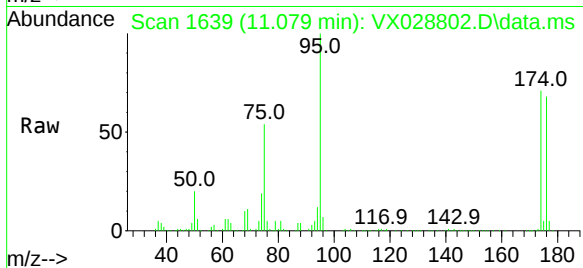




#76
1,2,3-Trichloropropane
Concen: 19.400 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

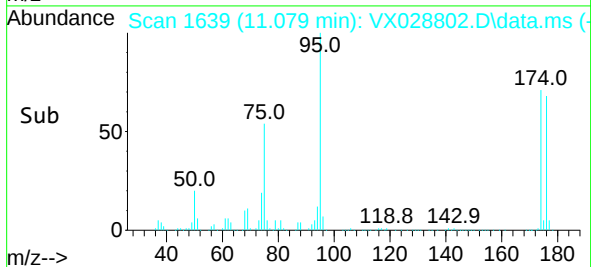
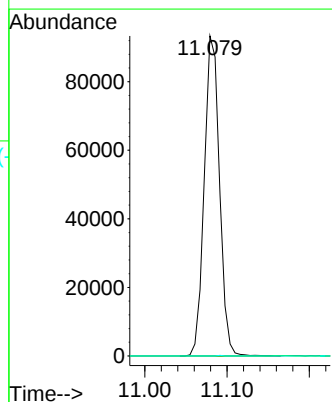
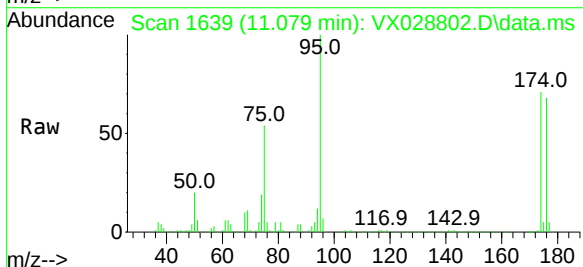
Instrument :
MSVOA_X
ClientSampleId :
31768DL

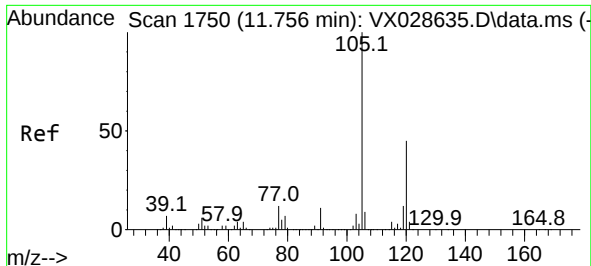
Tgt Ion: 75 Resp: 120265
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 57.266 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028802.D
Acq: 18 May 2022 13:45

Tgt Ion: 75 Resp: 120265
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

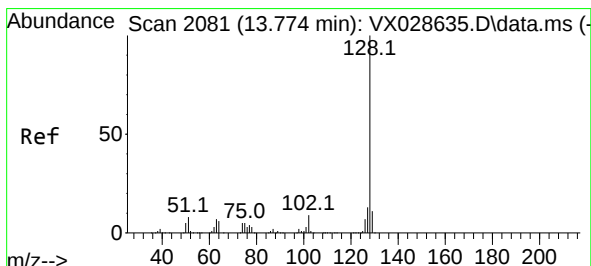
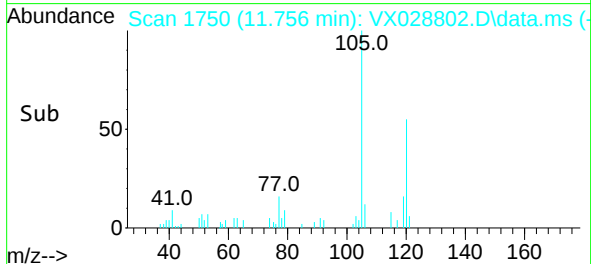
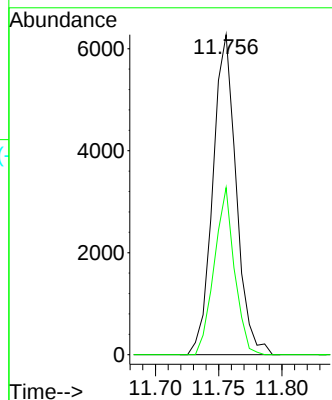
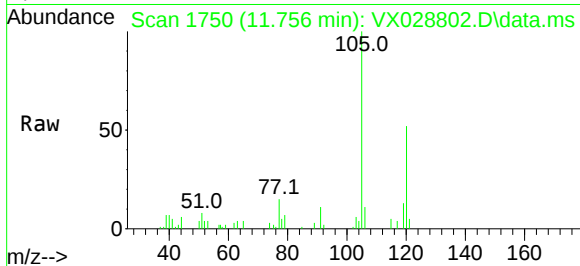




#84
 1,2,4-Trimethylbenzene
 Concen: 0.480 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX028802.D
 Acq: 18 May 2022 13:45

Instrument :
 MSVOA_X
 ClientSampleId :
 31768DL

Tgt Ion:105 Resp: 8049
 Ion Ratio Lower Upper
 105 100
 120 45.2 22.6 67.8



#95
 Naphthalene
 Concen: 2.168 ug/l
 RT: 13.780 min Scan# 2082
 Delta R.T. 0.006 min
 Lab File: VX028802.D
 Acq: 18 May 2022 13:45

Tgt Ion:128 Resp: 40783
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.2 15.4
 129 11.3 8.7 13.1

