

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX013023\
 Data File : VX033945.D
 Acq On : 30 Jan 2023 14:41
 Operator : JC/MD
 Sample : 01361-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jan 31 04:46:19 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

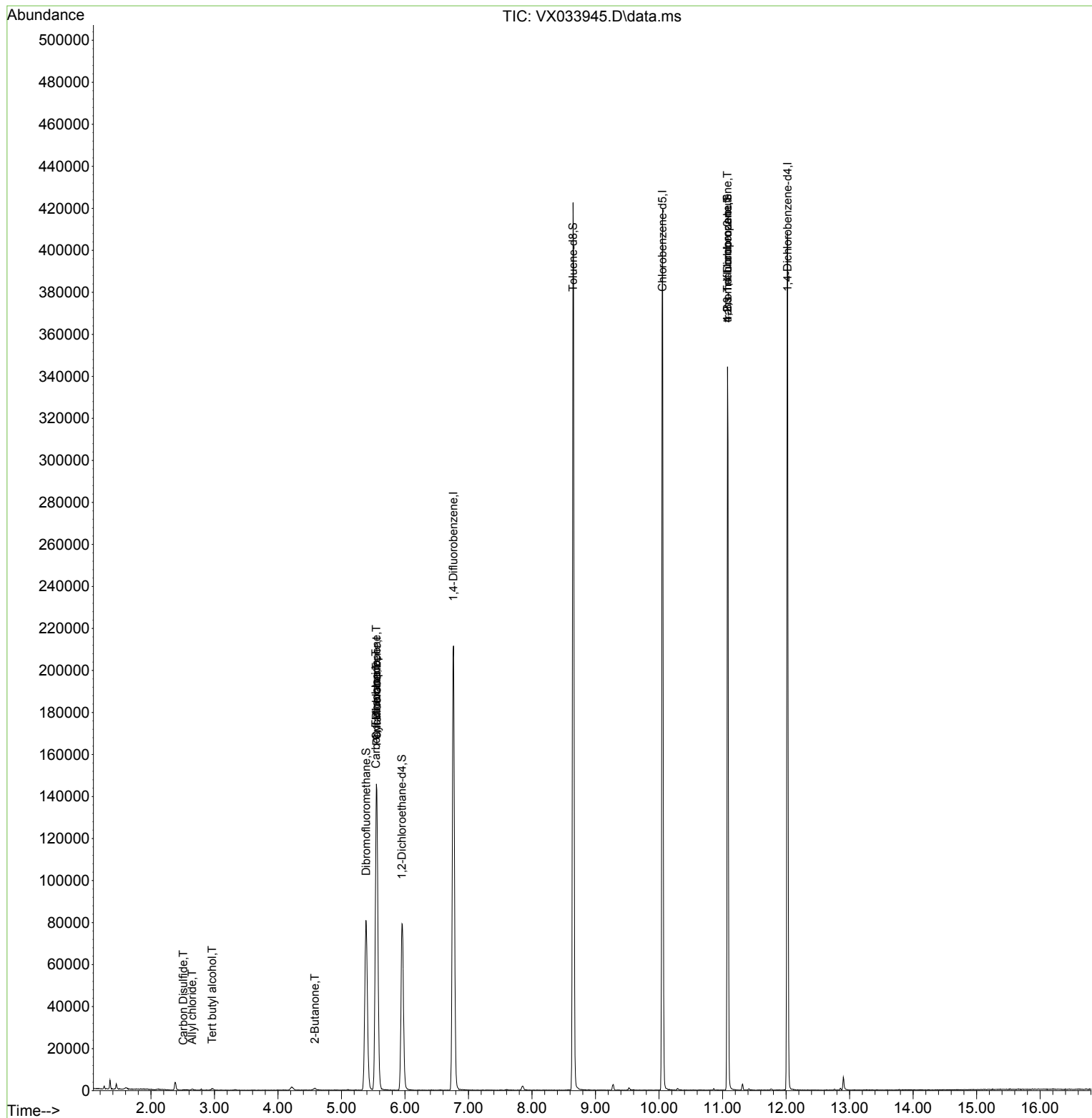
Internal Standards						
1) Pentafluorobenzene	5.556	168	161734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	231983	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204095	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97855	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	76034	44.649	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	89.300%	
35) Dibromofluoromethane	5.385	113	71452	49.603	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.200%	
50) Toluene-d8	8.647	98	264891	50.470	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	100.940%	
62) 4-Bromofluorobenzene	11.079	95	90069	46.221	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	92.440%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.965	59	1263	4.269	ug/l #	86
14) Allyl chloride	2.648	41	607	0.245	ug/l #	40
16) Acetone	2.386	43	4335	Below Cal	#	89
17) Carbon Disulfide	2.508	76	275	1.902	ug/l #	76
20) Methylene Chloride	2.782	84	170	Below Cal	#	32
25) 2-Butanone	4.580	43	1373	1.234	ug/l #	68
31) Cyclohexane	5.550	56	2616	1.044	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	9569	4.552	ug/l #	48
37) Ethyl Acetate	4.580	43	1373	Below Cal	#	68
38) Carbon Tetrachloride	5.544	117	13349	6.131	ug/l #	16
73) Isopropylbenzene	11.085	105	100	Below Cal	#	48
75) 1,1,2,2-Tetrachloroethane	11.085	83	20	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.079	75	41234	22.934	ug/l #	34
79) 2-Chlorotoluene	11.372	91	19	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	41234	71.276	ug/l #	8
82) 4-Chlorotoluene	11.372	91	19	Below Cal	#	43

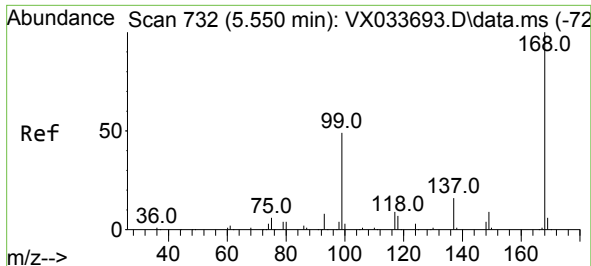
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
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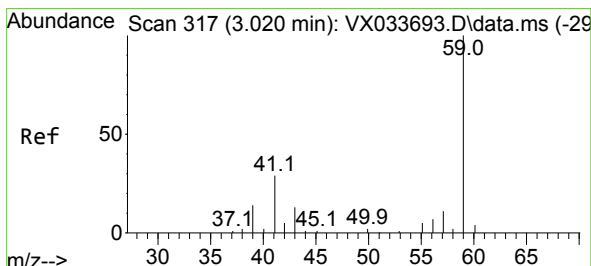
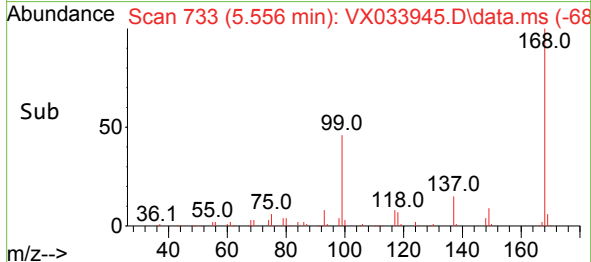
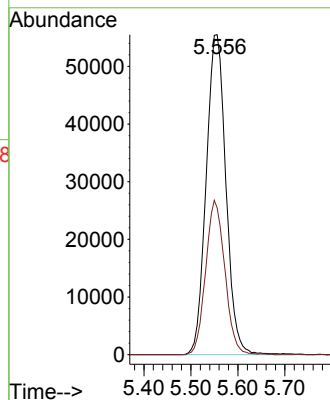
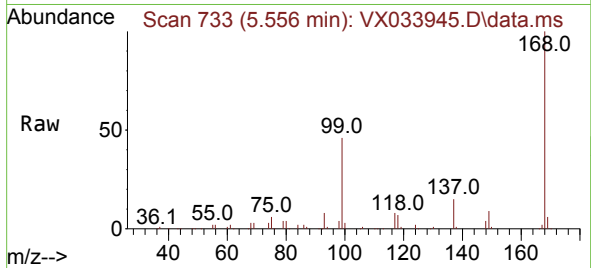




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

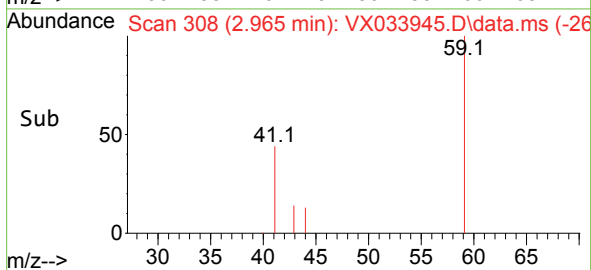
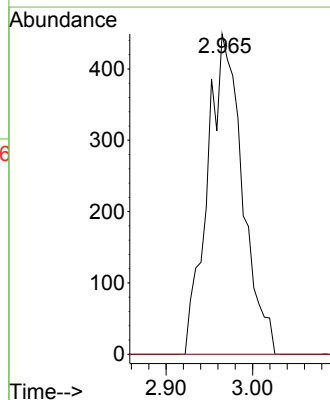
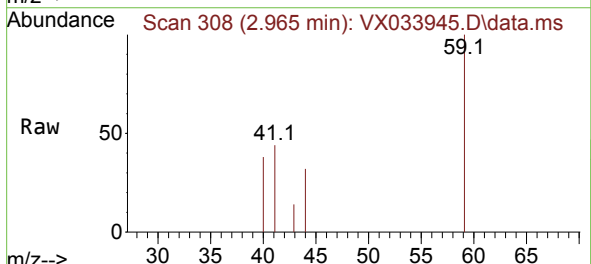
Instrument :
MSVOA_X
ClientSampleId :

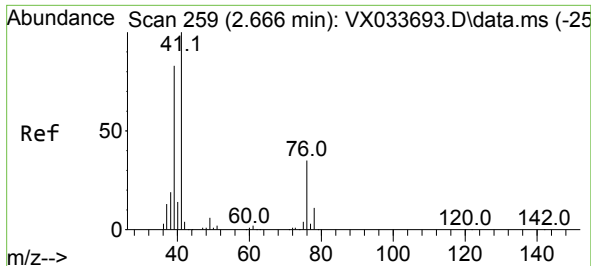
Tgt Ion:168 Resp: 161734
Ion Ratio Lower Upper
168 100
99 45.8 39.6 59.4



#11
Tert butyl alcohol
Concen: 4.269 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.055 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

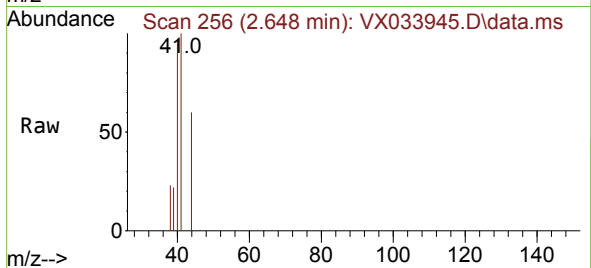
Tgt Ion: 59 Resp: 1263
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#



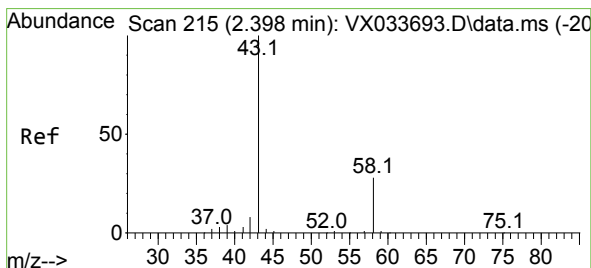
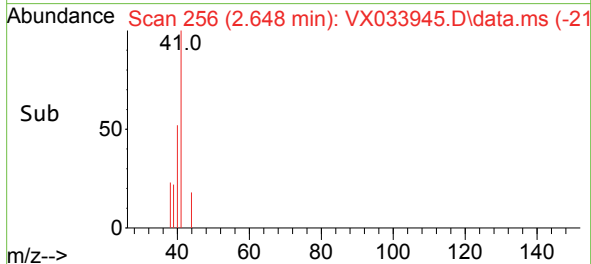
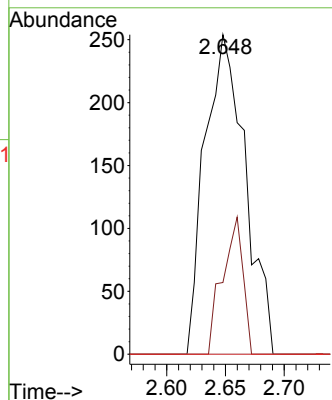


#14
 Allyl chloride
 Concen: 0.245 ug/l
 RT: 2.648 min Scan# 213
 Delta R.T. -0.018 min
 Lab File: VX033945.D
 Acq: 30 Jan 2023 14:41

Instrument :
 MSVOA_X
 ClientSampleId :

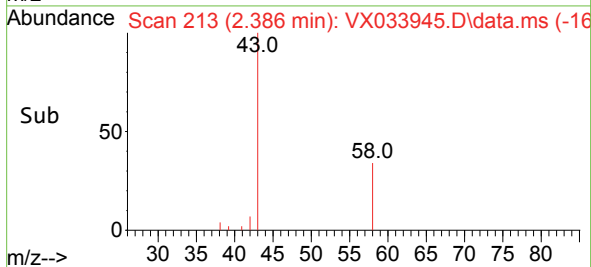
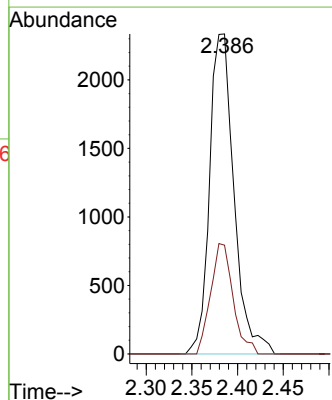
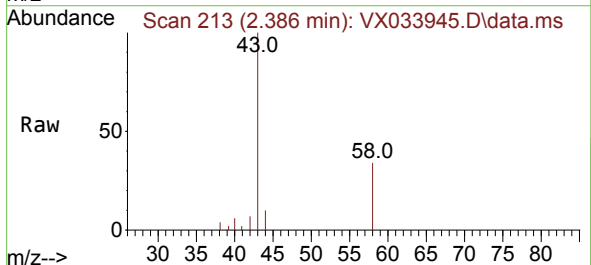


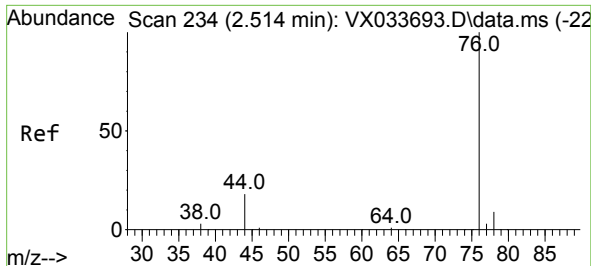
Tgt Ion: 41 Resp: 607
 Ion Ratio Lower Upper
 41 100
 39 21.7 59.0 88.4#
 76 0.0 24.6 37.0#



#16
 Acetone
 Concen: Below Cal
 RT: 2.386 min Scan# 213
 Delta R.T. -0.012 min
 Lab File: VX033945.D
 Acq: 30 Jan 2023 14:41

Tgt Ion: 43 Resp: 4335
 Ion Ratio Lower Upper
 43 100
 58 34.0 22.6 33.8#





#17

Carbon Disulfide

Concen: 1.902 ug/l

RT: 2.508 min Scan# 21

Delta R.T. -0.006 min

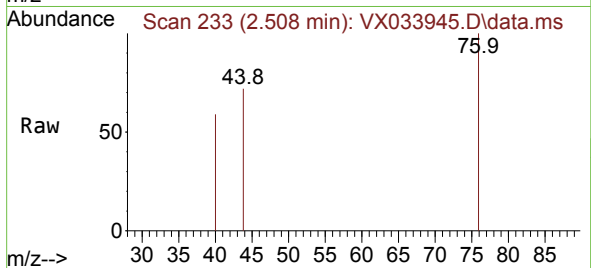
Lab File: VX033945.D

Acq: 30 Jan 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :

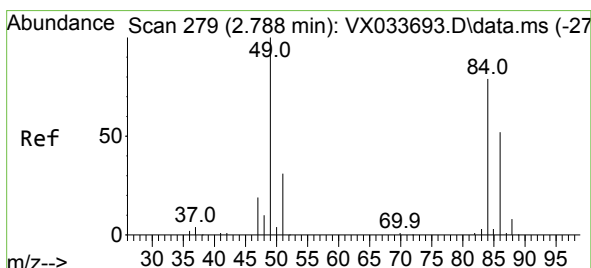
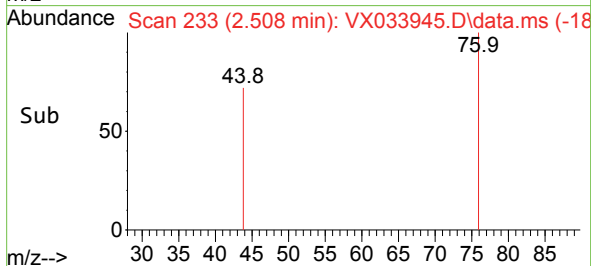
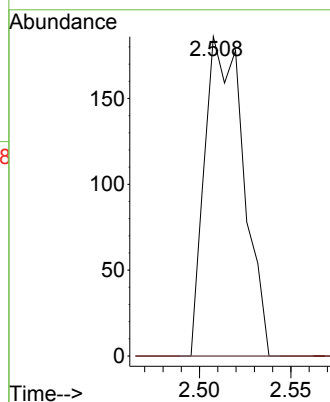


Tgt Ion: 76 Resp: 275

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.782 min Scan# 278

Delta R.T. -0.006 min

Lab File: VX033945.D

Acq: 30 Jan 2023 14:41

Tgt Ion: 84 Resp: 170

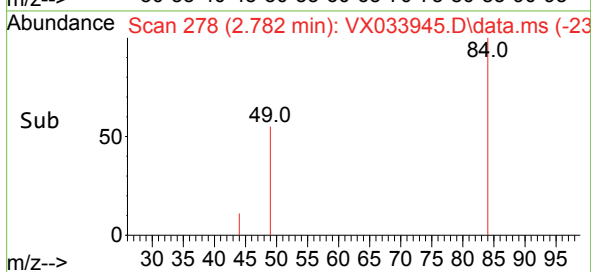
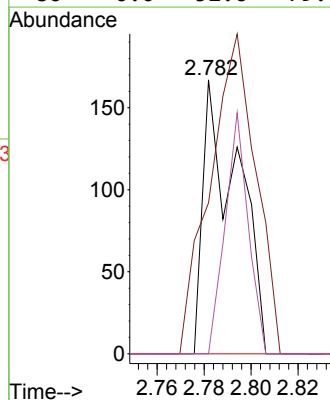
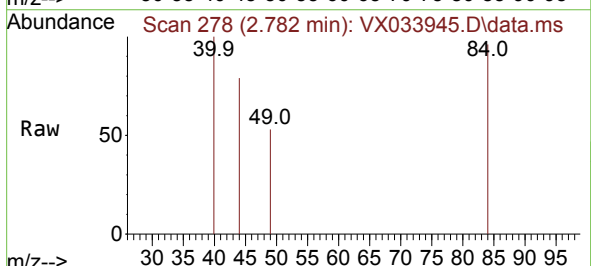
Ion Ratio Lower Upper

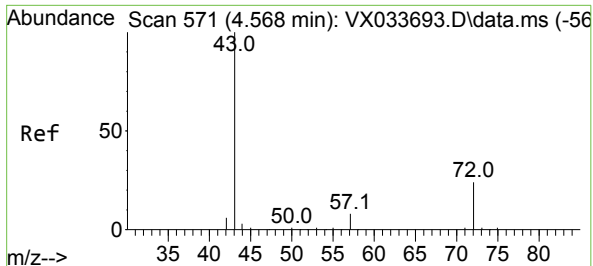
84 100

49 55.1 101.1 151.7#

51 0.0 31.0 46.6#

86 0.0 52.6 79.0#

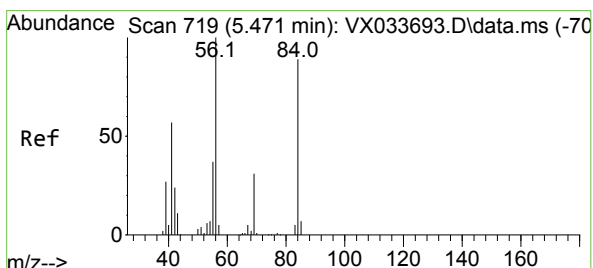
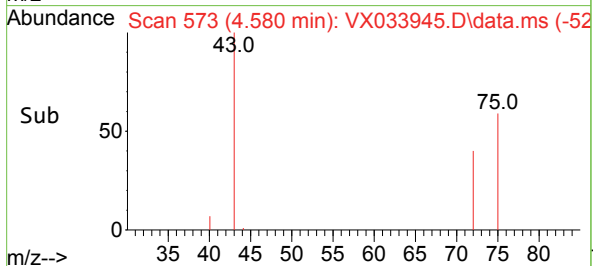
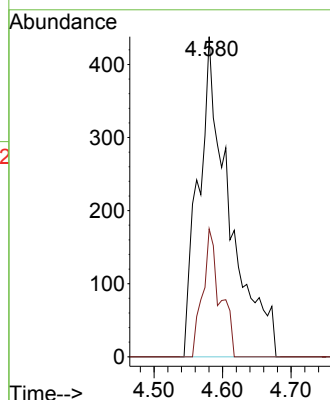
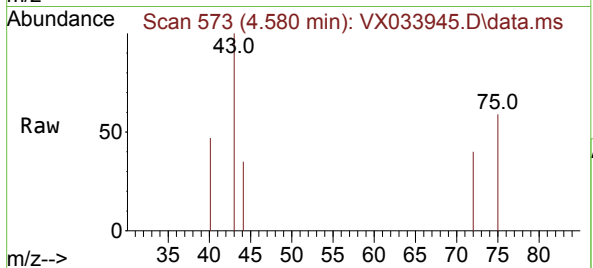




#25
2-Butanone
Concen: 1.234 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

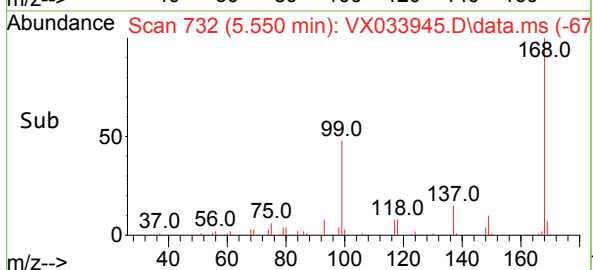
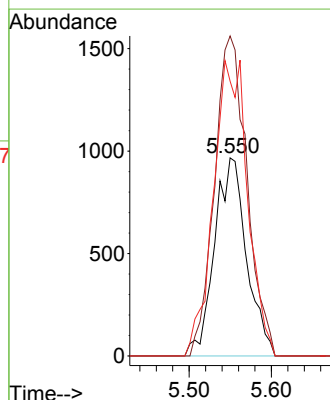
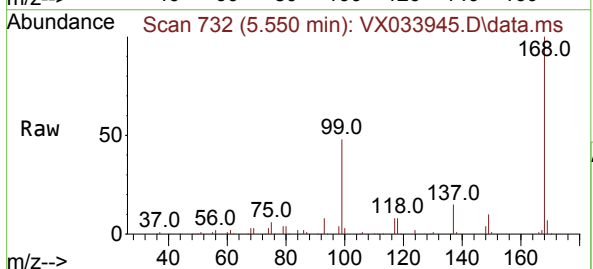
Instrument :
MSVOA_X
ClientSampleId :

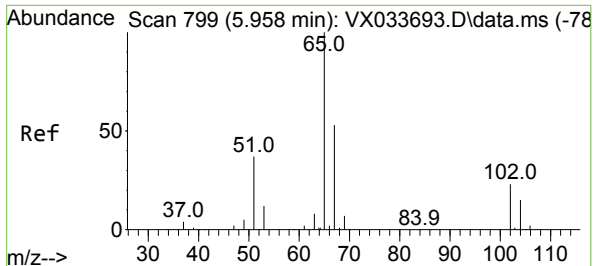
Tgt Ion: 43 Resp: 1373
Ion Ratio Lower Upper
43 100
72 40.0 19.4 29.2#



#31
Cyclohexane
Concen: 1.044 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

Tgt Ion: 56 Resp: 2616
Ion Ratio Lower Upper
56 100
69 161.5 24.6 37.0#
84 138.7 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 44.649 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX033945.D

Acq: 30 Jan 2023 14:41

Instrument :

MSVOA_X

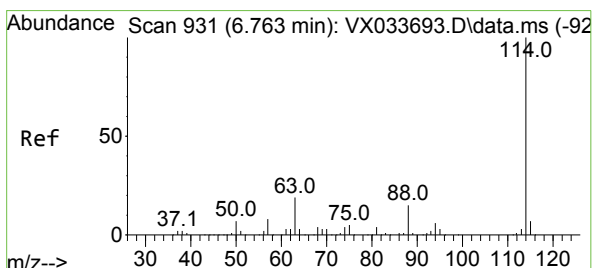
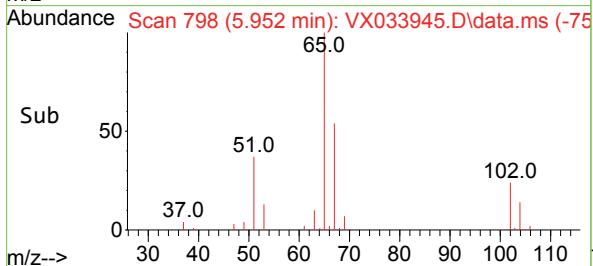
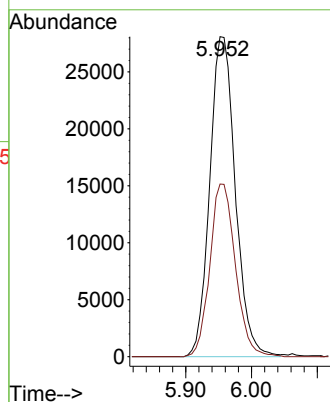
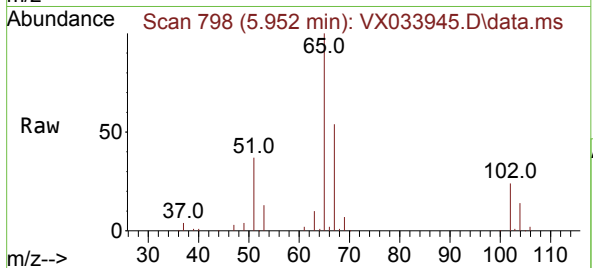
ClientSampleId :

Tgt Ion: 65 Resp: 76034

Ion Ratio Lower Upper

65 100

67 53.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX033945.D

Acq: 30 Jan 2023 14:41

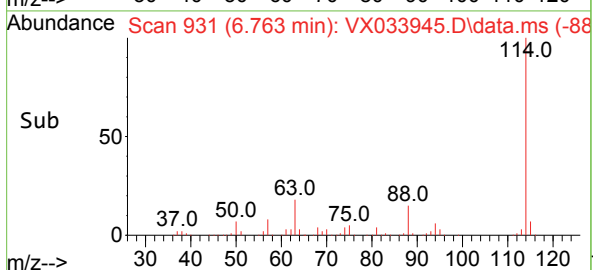
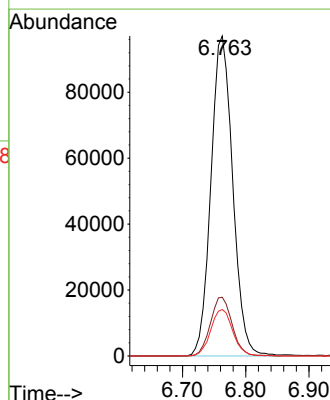
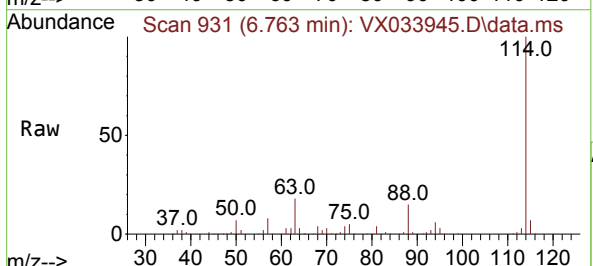
Tgt Ion: 114 Resp: 231983

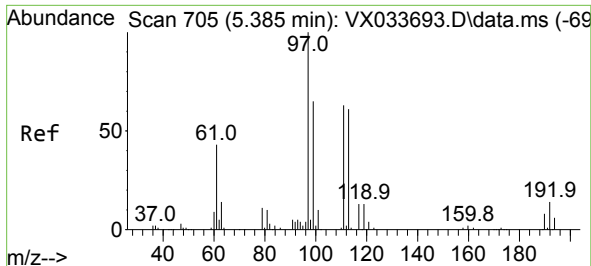
Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.4

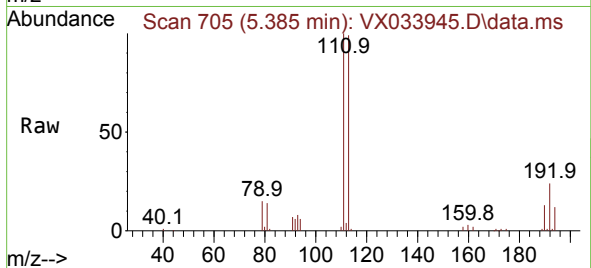
88 14.5 0.0 30.6



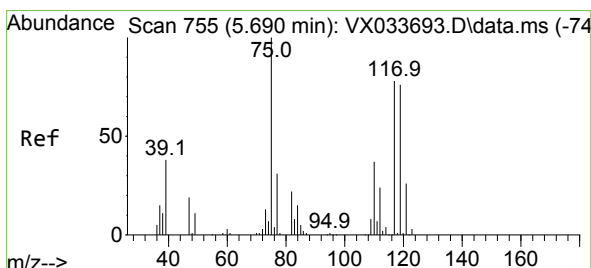
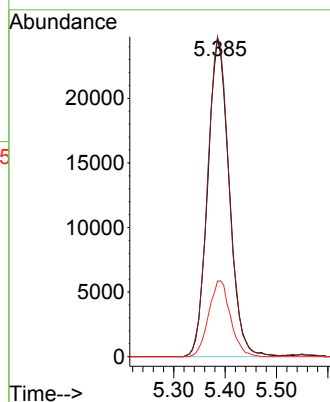
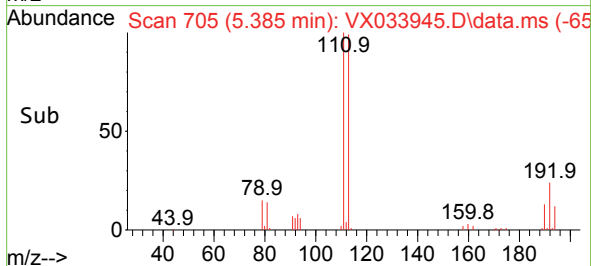


#35
Dibromofluoromethane
Concen: 49.603 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

Instrument :
MSVOA_X
ClientSampleId :

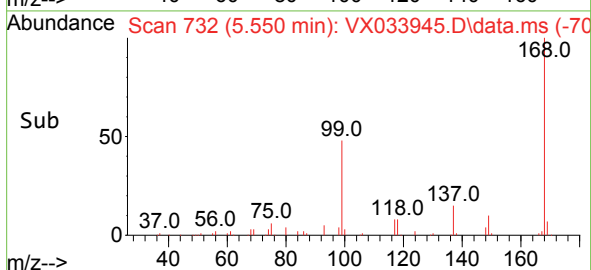
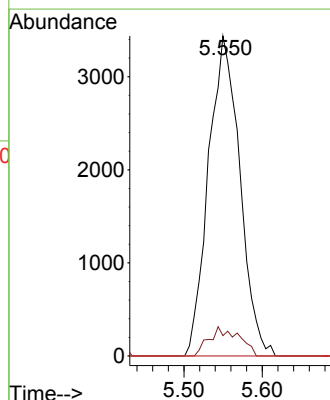
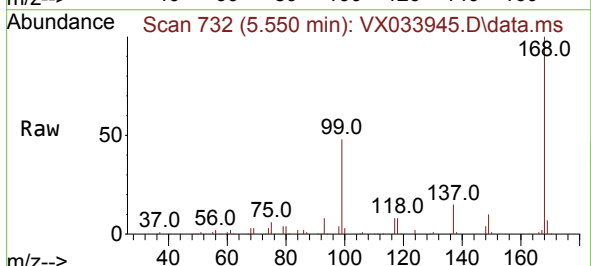


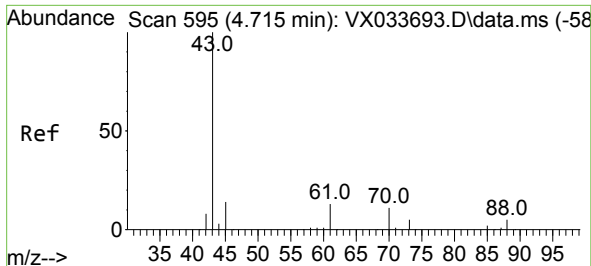
Tgt Ion:113 Resp: 71452
Ion Ratio Lower Upper
113 100
111 101.1 83.0 124.6
192 24.2 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.552 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

Tgt Ion: 75 Resp: 9569
Ion Ratio Lower Upper
75 100
110 8.6 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: Below Cal

RT: 4.580 min Scan# 51

Delta R.T. -0.135 min

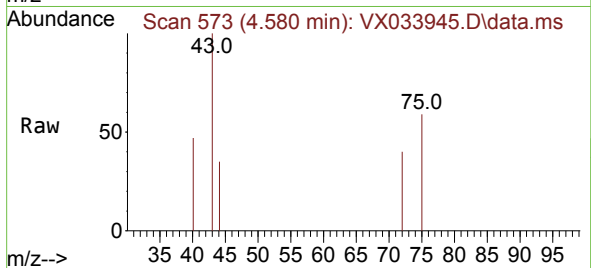
Lab File: VX033945.D

Acq: 30 Jan 2023 14:41

Instrument :

MSVOA_X

ClientSampleId :



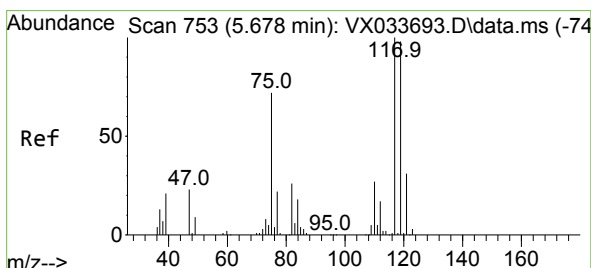
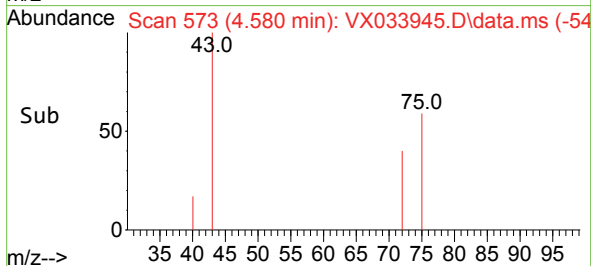
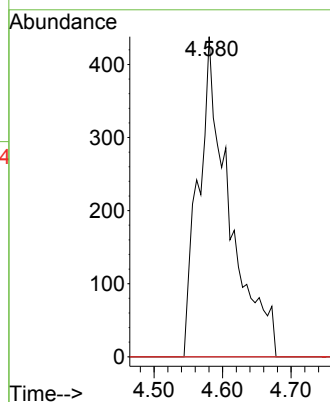
Tgt Ion: 43 Resp: 1373

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 6.131 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.134 min

Lab File: VX033945.D

Acq: 30 Jan 2023 14:41

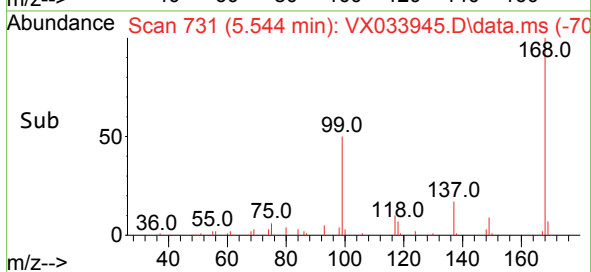
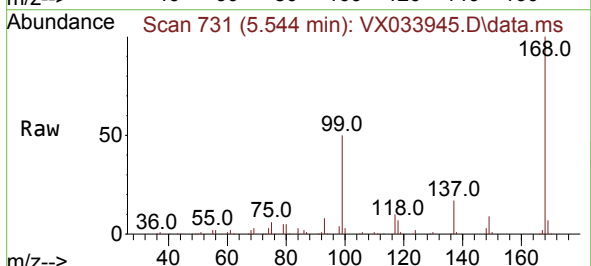
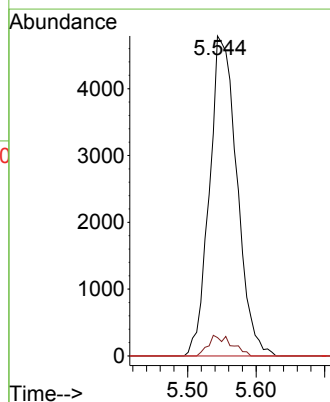
Tgt Ion: 117 Resp: 13349

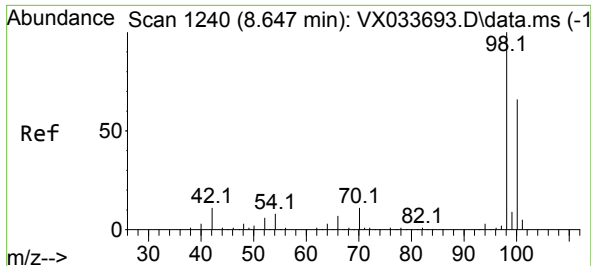
Ion Ratio Lower Upper

117 100

119 5.7 78.0 117.0#

121 0.0 24.4 36.6#

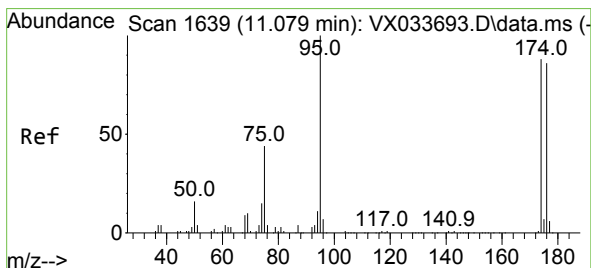
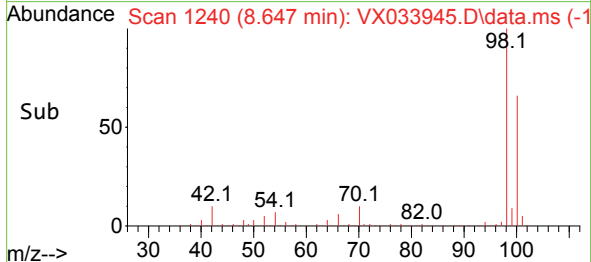
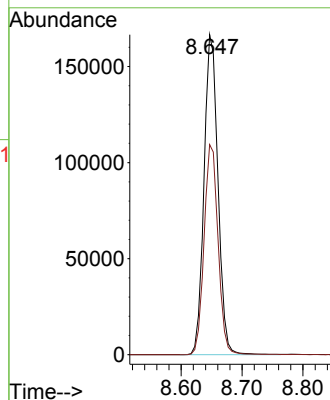
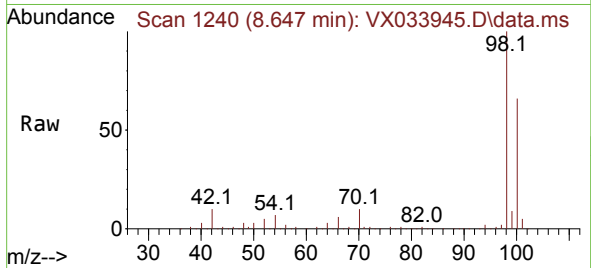




#50
Toluene-d8
Concen: 50.470 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

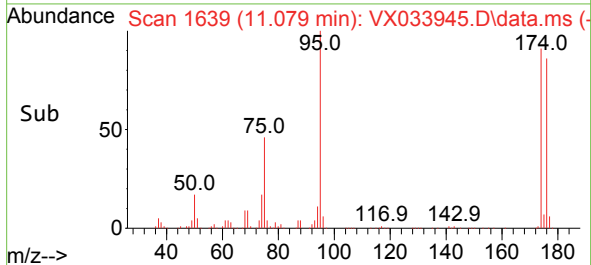
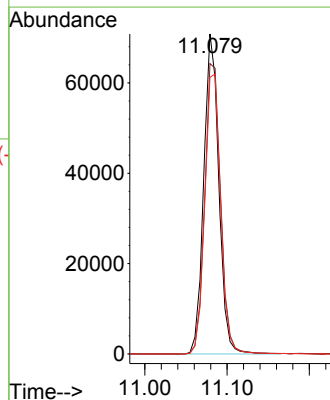
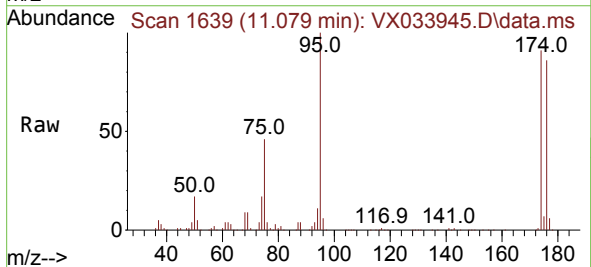
Instrument :
MSVOA_X
ClientSampleId :

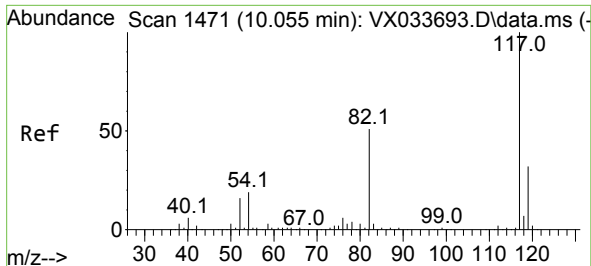
Tgt Ion: 98 Resp: 264891
Ion Ratio Lower Upper
98 100
100 66.0 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 46.221 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

Tgt Ion: 95 Resp: 90069
Ion Ratio Lower Upper
95 100
174 96.0 0.0 184.4
176 92.3 0.0 178.8

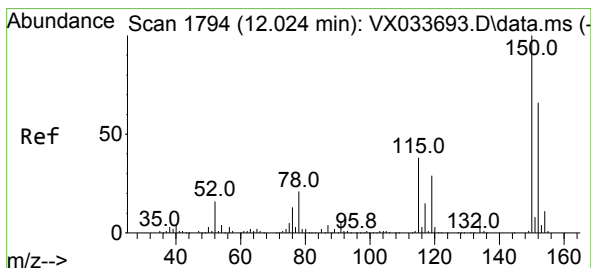
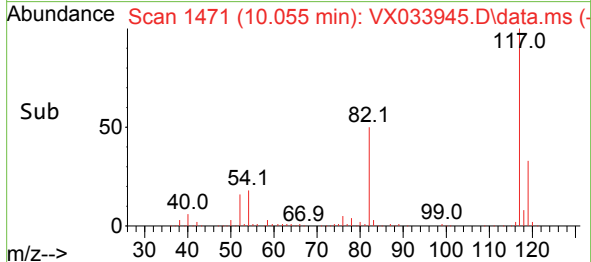
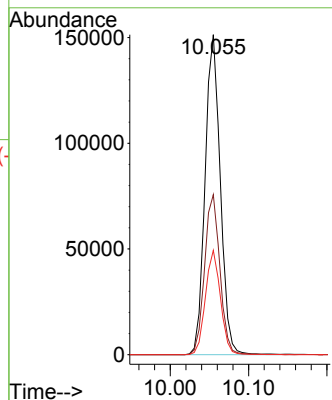
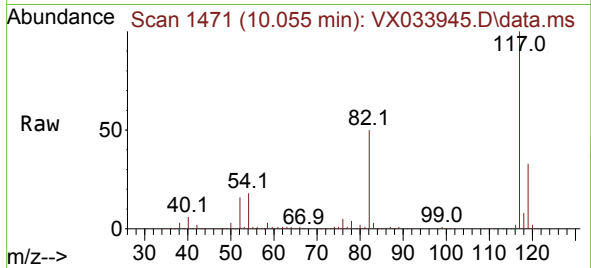




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

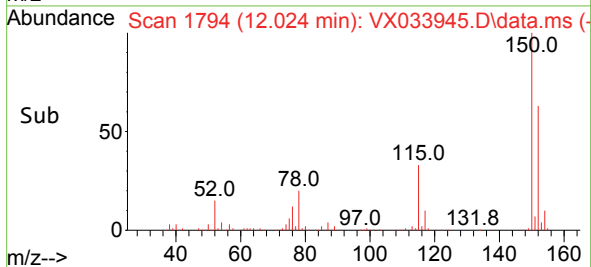
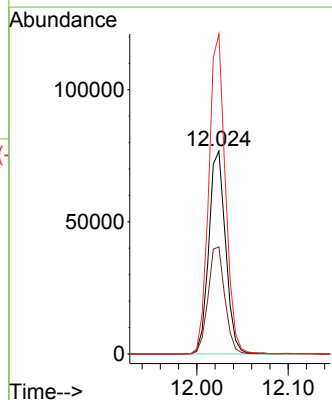
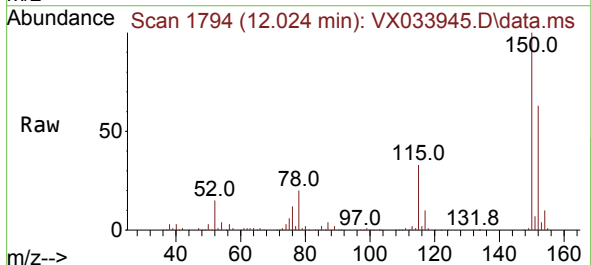
Instrument :
MSVOA_X
ClientSampleId :

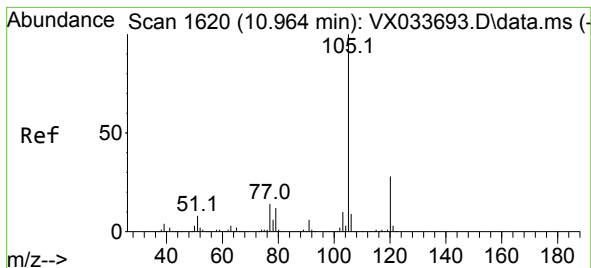
Tgt Ion:117 Resp: 204095
Ion Ratio Lower Upper
117 100
82 50.0 40.6 60.8
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

Tgt Ion:152 Resp: 97855
Ion Ratio Lower Upper
152 100
115 53.0 38.7 116.1
150 155.3 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.085 min Scan# 1640

Delta R.T. 0.121 min

Lab File: VX033945.D

Acq: 30 Jan 2023 14:41

Instrument :

MSVOA_X

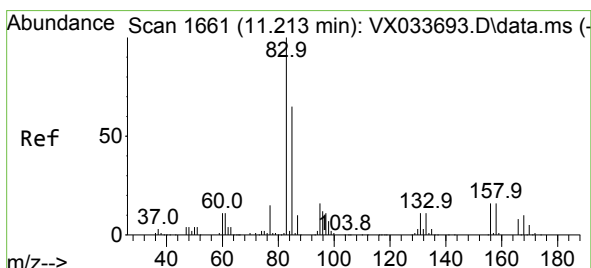
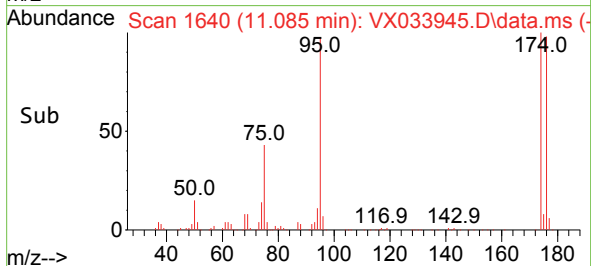
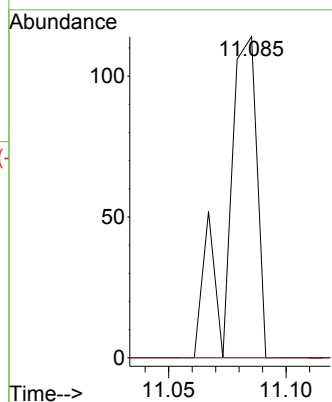
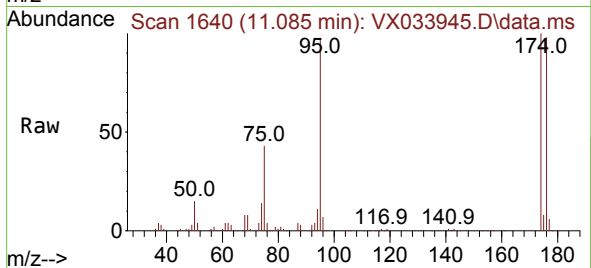
ClientSampleId :

Tgt Ion:105 Resp: 100

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.085 min Scan# 1640

Delta R.T. -0.128 min

Lab File: VX033945.D

Acq: 30 Jan 2023 14:41

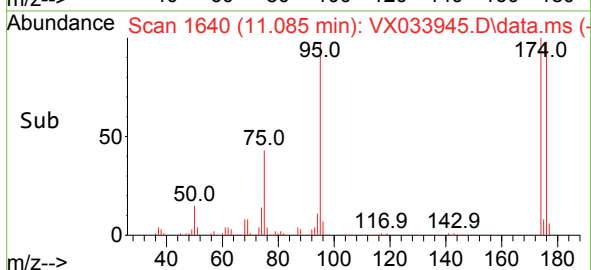
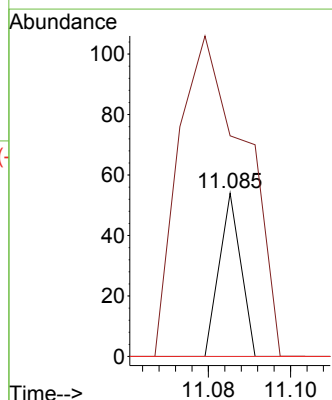
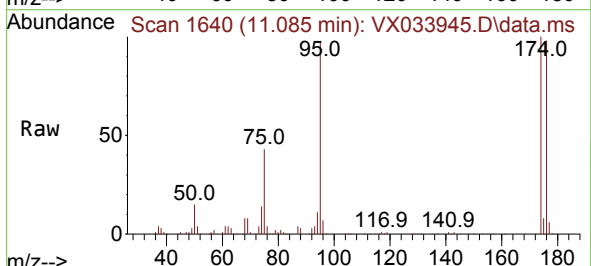
Tgt Ion: 83 Resp: 20

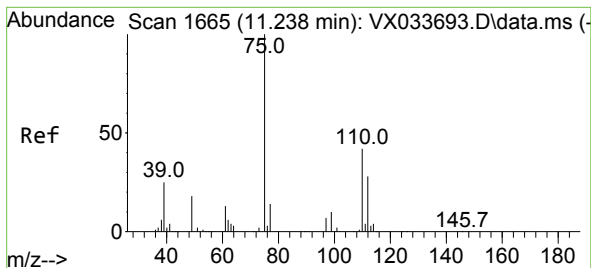
Ion Ratio Lower Upper

83 100

131 595.0 5.5 16.7#

85 0.0 32.3 96.9#

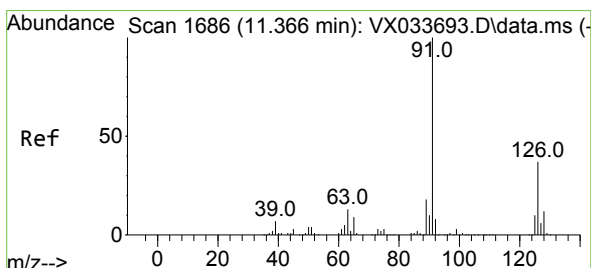
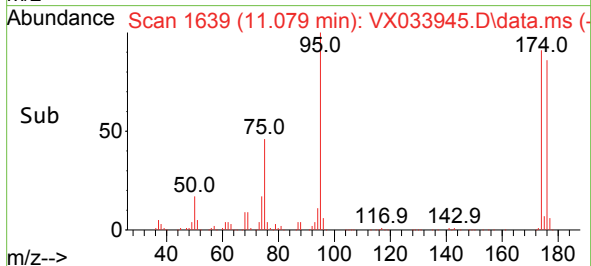
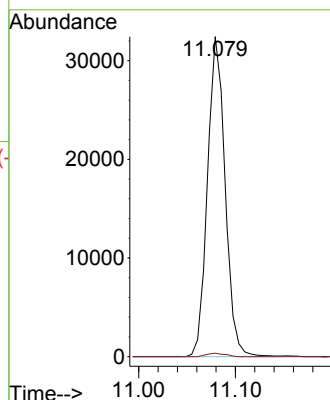
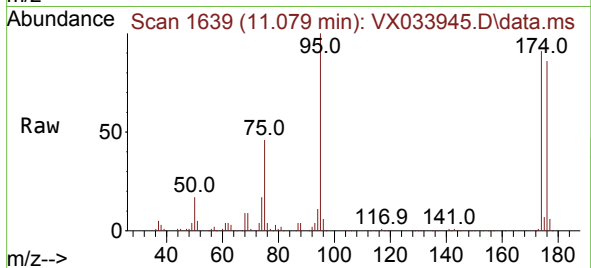




#76
1,2,3-Trichloropropane
Concen: 22.934 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.159 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

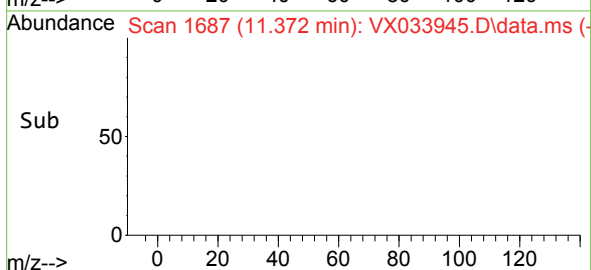
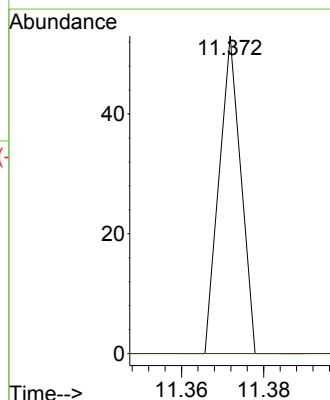
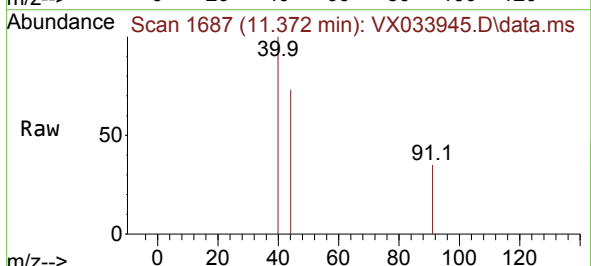
Instrument :
MSVOA_X
ClientSampleId :

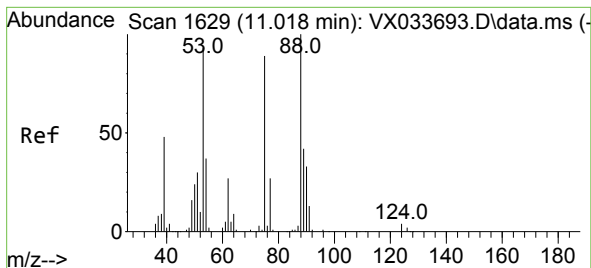
Tgt Ion: 75 Resp: 41234
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.372 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

Tgt Ion: 91 Resp: 19
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#

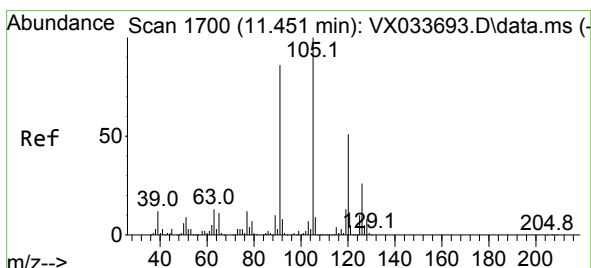
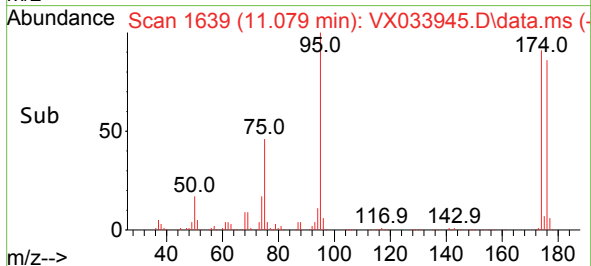
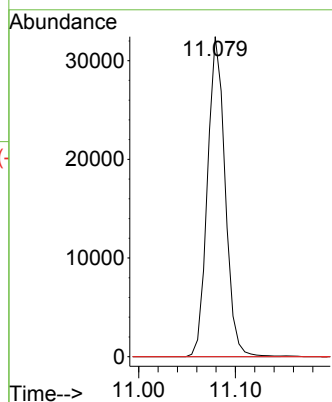
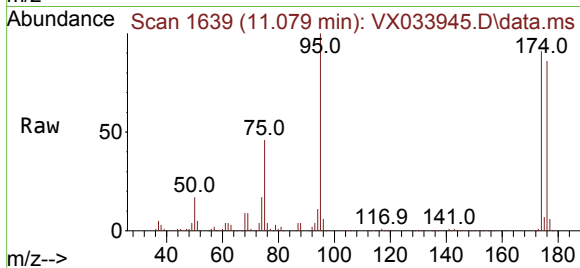




#81
trans-1,4-Dichloro-2-butene
Concen: 71.276 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 41234
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#



#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.372 min Scan# 1687
Delta R.T. -0.079 min
Lab File: VX033945.D
Acq: 30 Jan 2023 14:41

Tgt Ion: 91 Resp: 19
Ion Ratio Lower Upper
91 100
126 0.0 15.8 47.4#

