

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
 Data File : VX031680.D
 Acq On : 27 Sep 2022 04:17
 Operator : JC/MD
 Sample : N4764-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 355

Quant Time: Sep 27 05:20:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

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

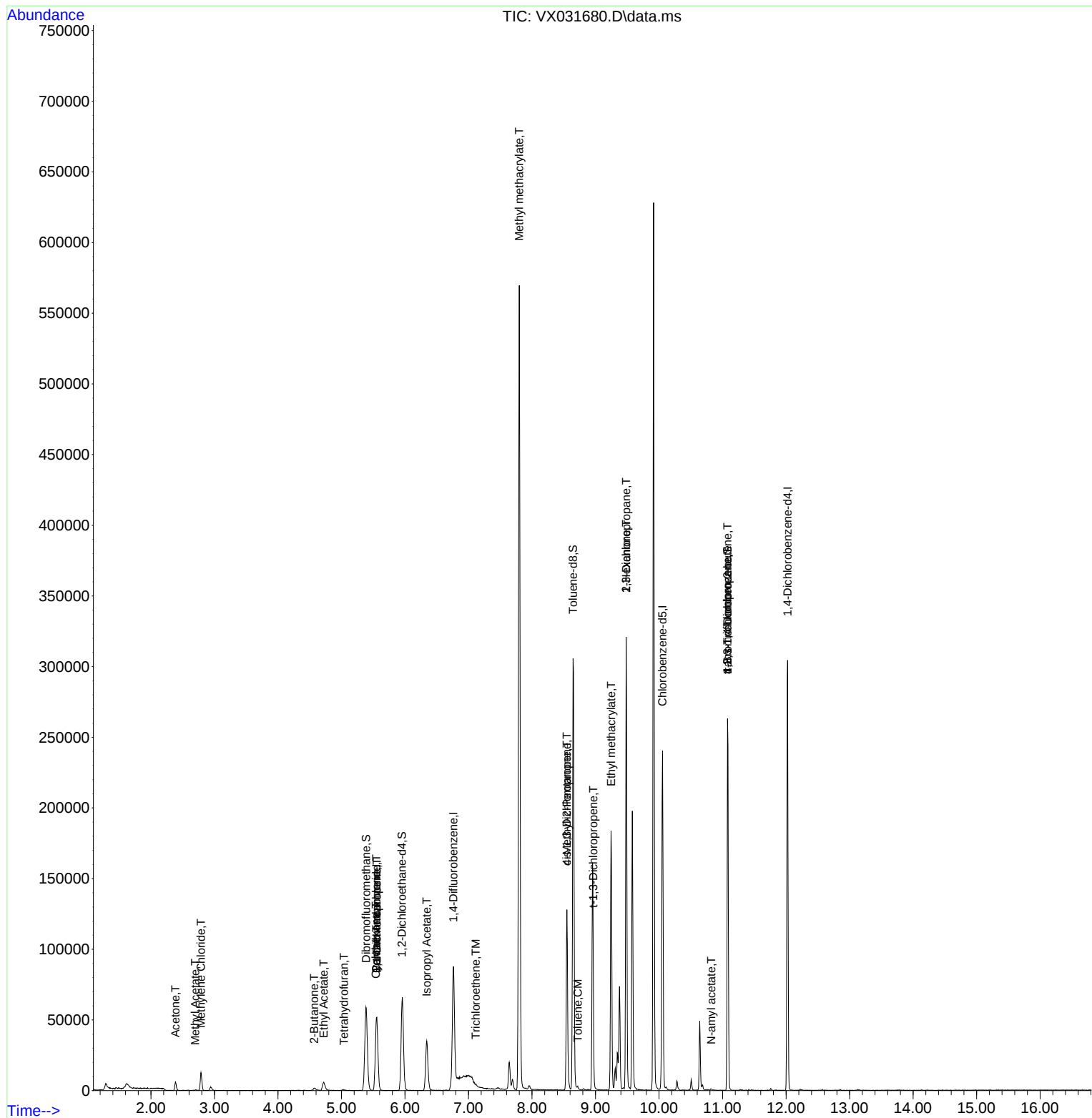
Internal Standards						
1) Pentafluorobenzene	5.550	168	50475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	84620	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	106340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	60925	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	60937	56.882	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.760%			
35) Dibromofluoromethane	5.385	113	48455	48.058	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.120%			
50) Toluene-d8	8.647	98	183150	50.104	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.200%			
62) 4-Bromofluorobenzene	11.079	95	63800	47.620	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.240%			
Target Compounds					Qvalue	
3) Chloromethane	1.282	50	217	Below Cal	#	41
5) Bromomethane	1.618	94	567	Below Cal	#	76
6) Chloroethane	1.691	64	166	Below Cal	#	43
11) Tert butyl alcohol	2.941	59	1688	Below Cal	#	73
16) Acetone	2.386	43	6491	7.747	ug/l	93
17) Carbon Disulfide	2.508	76	202	Below Cal	#	75
18) Methyl Acetate	2.697	43	847	0.880	ug/l	97
20) Methylene Chloride	2.788	84	5467	6.601	ug/l	94
25) 2-Butanone	4.568	43	2111	4.128	ug/l	94
29) Tetrahydrofuran	5.038	42	555	1.728	ug/l #	35
31) Cyclohexane	5.544	56	544	0.534	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	3792	3.275	ug/l #	45
37) Ethyl Acetate	4.721	43	9846	8.430	ug/l	97
38) Carbon Tetrachloride	5.550	117	5240	4.015	ug/l #	18
43) Isopropyl Acetate	6.342	43	46974	25.554	ug/l	99
44) Trichloroethene	7.117	130	237	0.236	ug/l	64
48) Methyl methacrylate	7.799	41	49191	60.848	ug/l #	46
49) 1,4-Dioxane	7.799	88	89	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.549	43	42933	36.899	ug/l #	50
52) Toluene	8.720	92	663	0.280	ug/l	90
53) t-1,3-Dichloropropene	8.964	75	463	2.193	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	20645	15.882	ug/l #	61
56) Ethyl methacrylate	9.244	69	537	0.411	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	2810	1.738	ug/l #	43
59) 2-Hexanone	9.482	43	33947	39.104	ug/l #	53
74) N-amyl acetate	10.823	43	623	0.487	ug/l #	43
76) 1,2,3-Trichloropropane	11.079	75	35929	32.530	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	35929	106.963	ug/l #	11

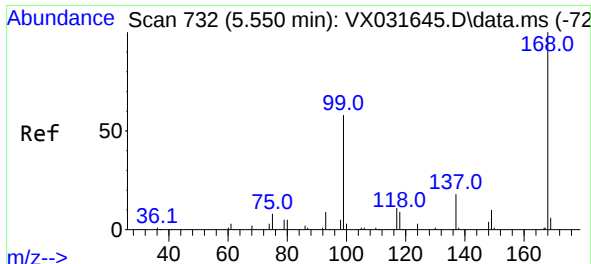
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092622\
Data File : VX031680.D
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Instrument :
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355

Quant Time: Sep 27 05:20:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 27 01:44:18 2022
Response via : Initial Calibration

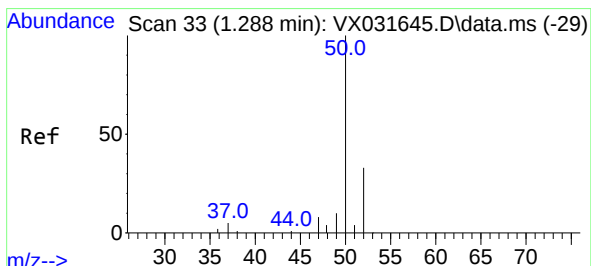
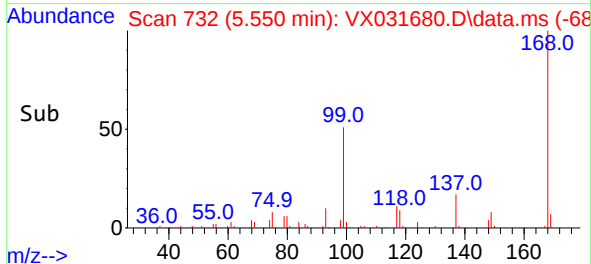
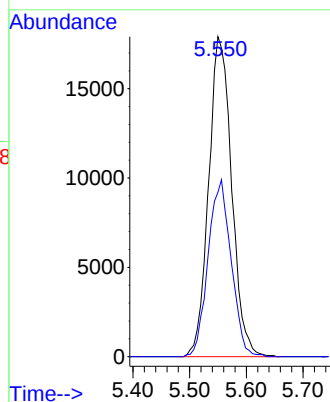
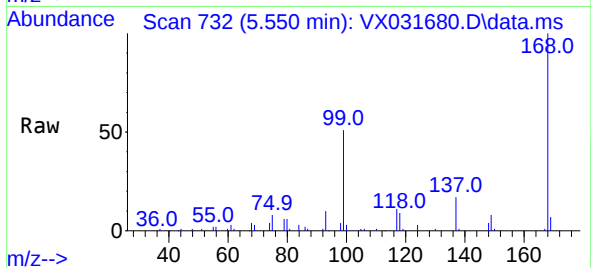




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

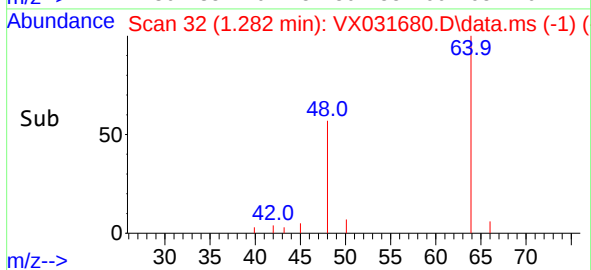
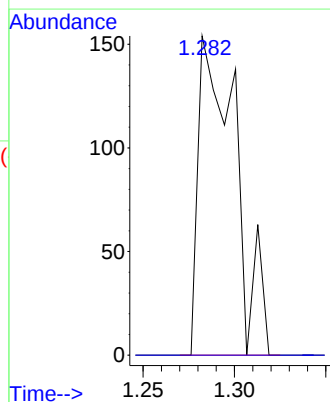
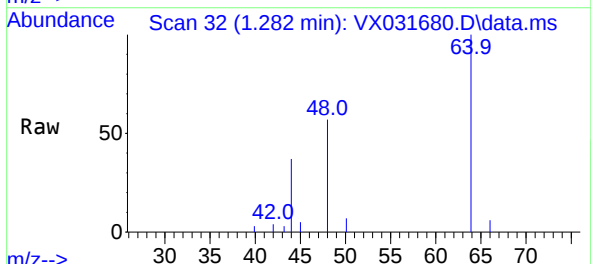
Instrument :
MSVOA_X
ClientSampleId :
355

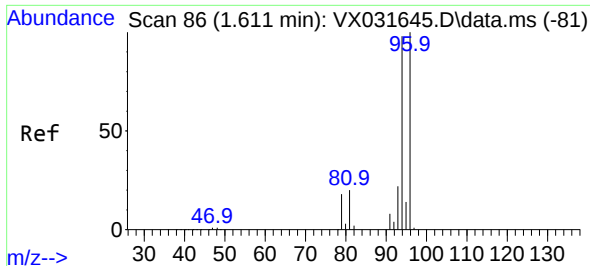
Tgt Ion:168 Resp: 50475
Ion Ratio Lower Upper
168 100
99 51.4 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.282 min Scan# 32
Delta R.T. -0.006 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 50 Resp: 217
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

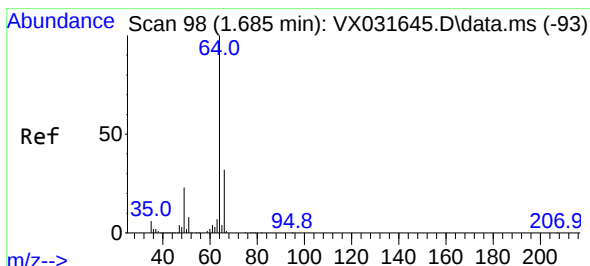
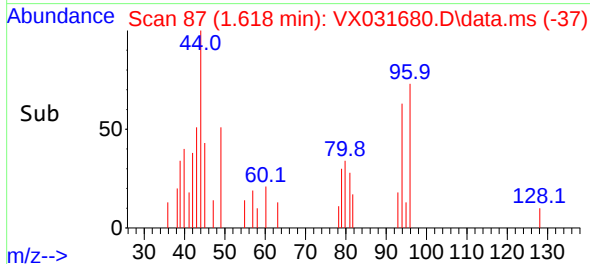
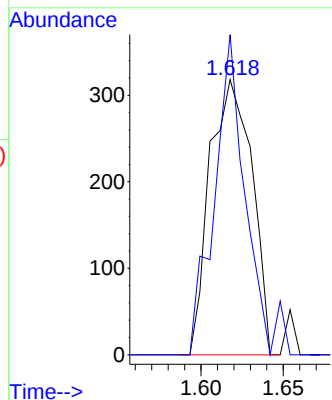
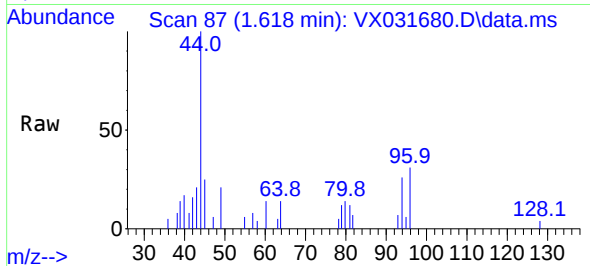




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

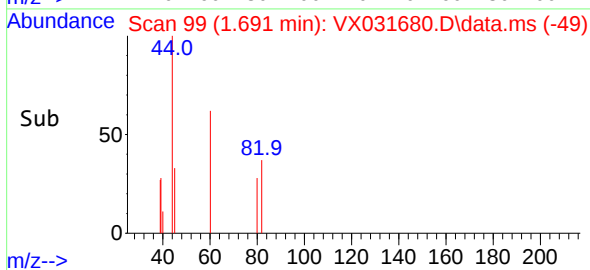
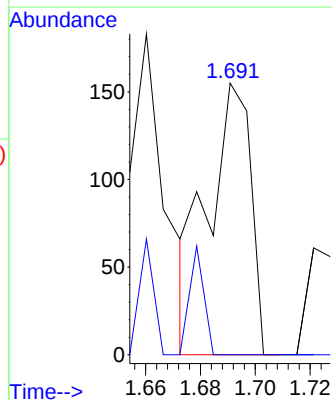
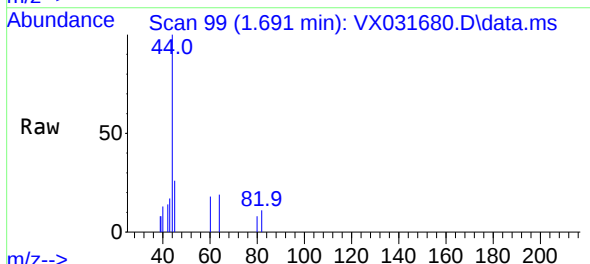
Instrument :
MSVOA_X
ClientSampleId :
355

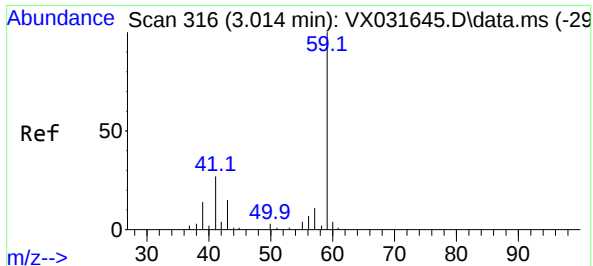
Tgt Ion: 94 Resp: 567
Ion Ratio Lower Upper
94 100
96 116.4 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 64 Resp: 166
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.941 min Scan# 30

Delta R.T. -0.048 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

Instrument :

MSVOA_X

ClientSampleId :

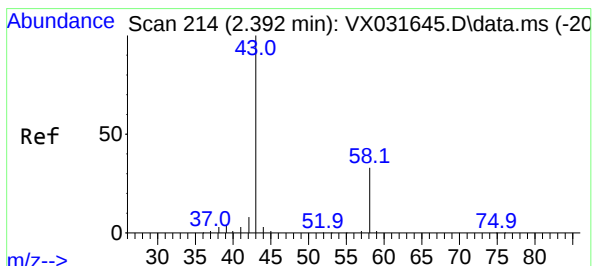
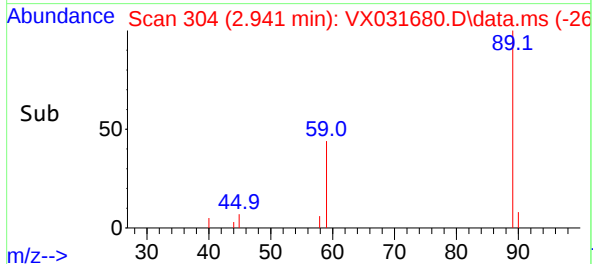
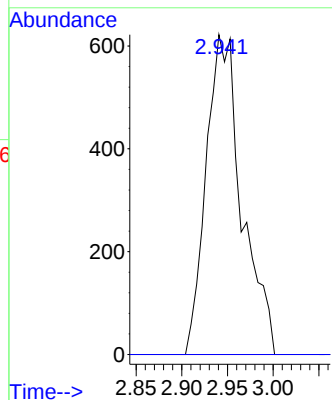
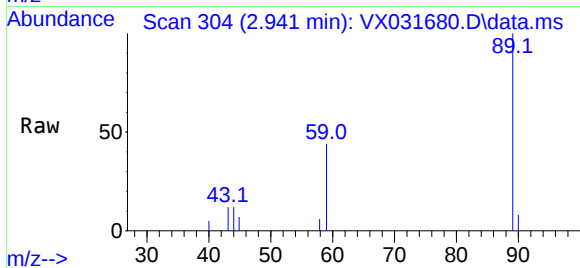
355

Tgt Ion: 59 Resp: 1688

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#16

Acetone

Concen: 7.747 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX031680.D

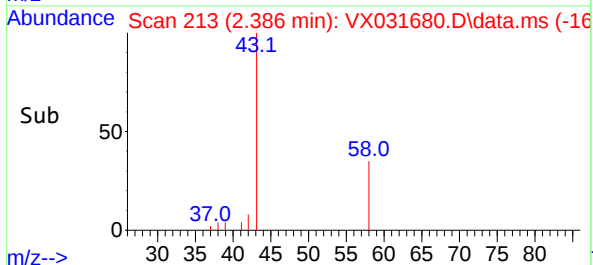
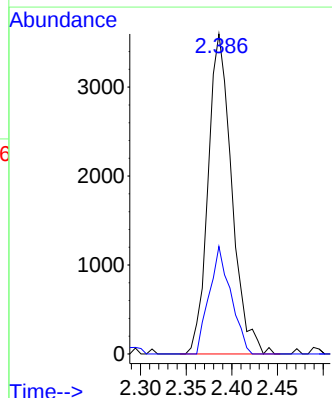
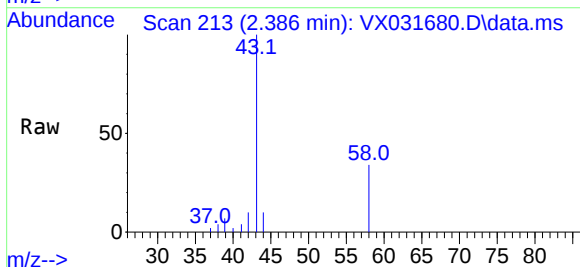
Acq: 27 Sep 2022 04:17

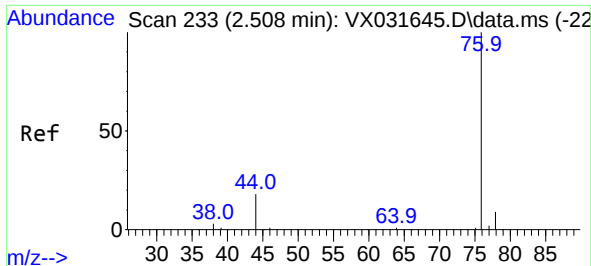
Tgt Ion: 43 Resp: 6491

Ion Ratio Lower Upper

43 100

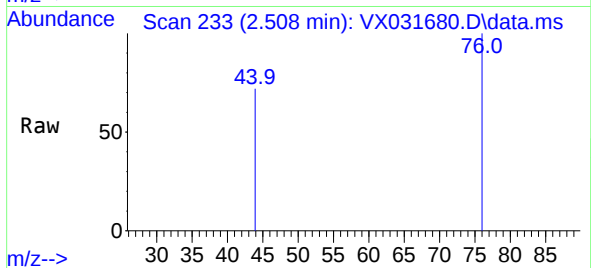
58 33.6 23.8 35.8



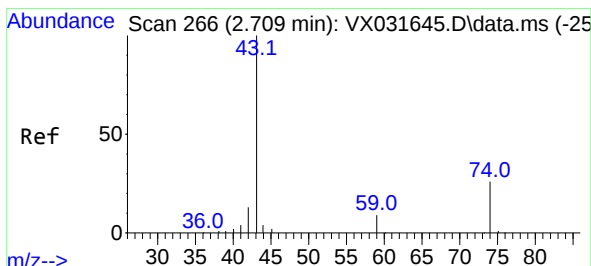
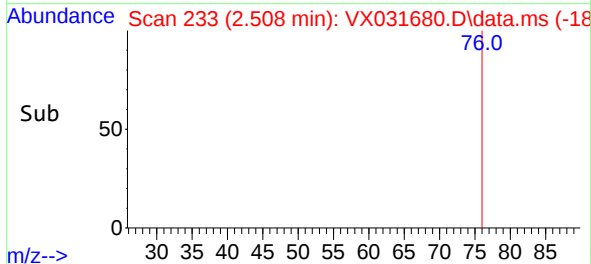
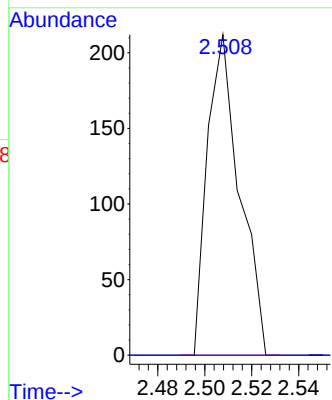


#17
Carbon Disulfide
Concen: Below Cal
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Instrument :
MSVOA_X
ClientSampleId :
355

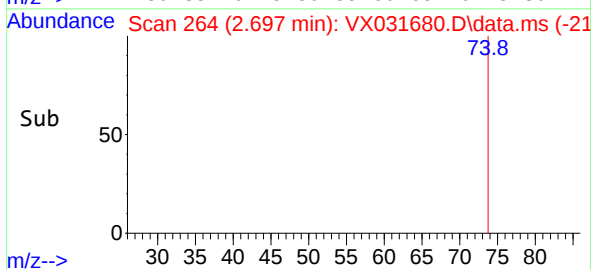
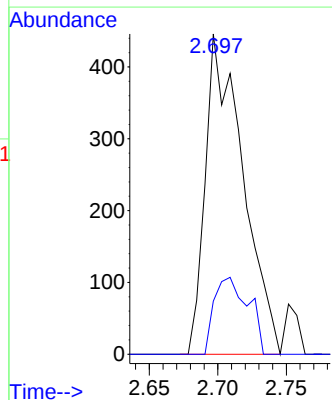
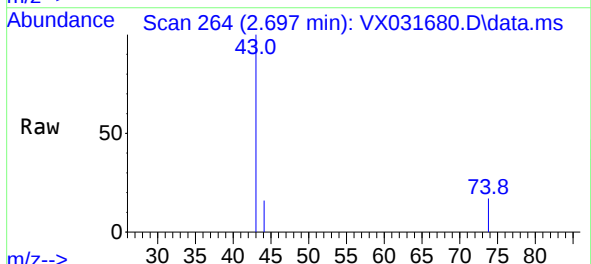


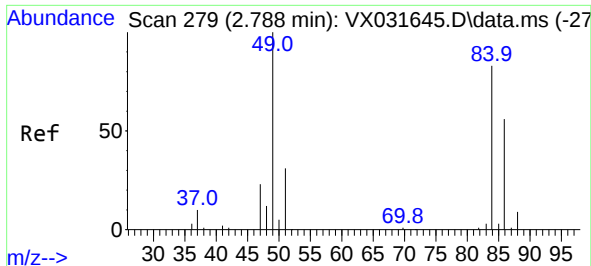
Tgt Ion: 76 Resp: 202
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.880 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.012 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
74 21.8 18.6 27.8



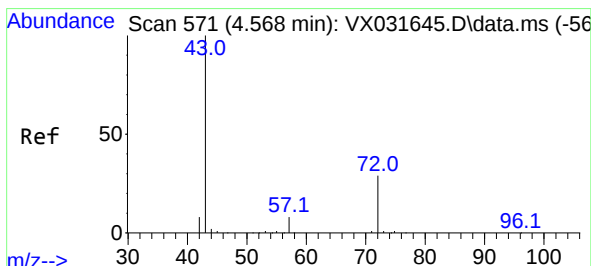
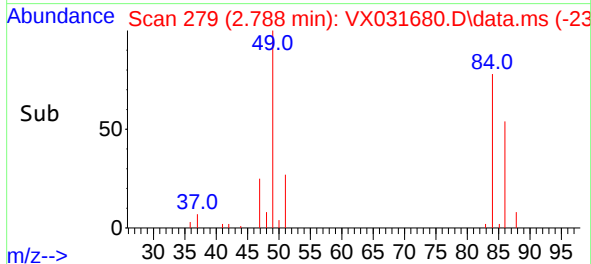
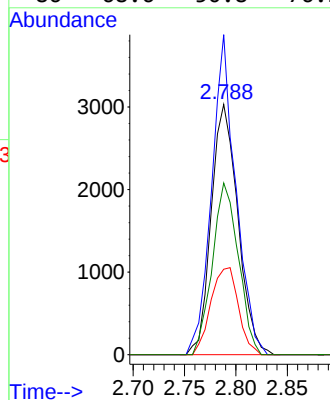
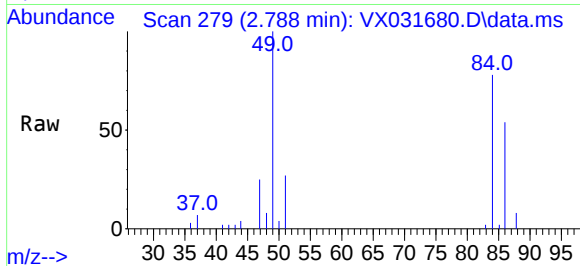


#20
Methylene Chloride
Concen: 6.601 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Instrument :
MSVOA_X
ClientSampleId :
355

Tgt Ion: 84 Resp: 5467

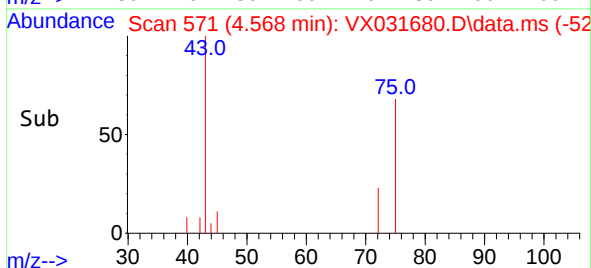
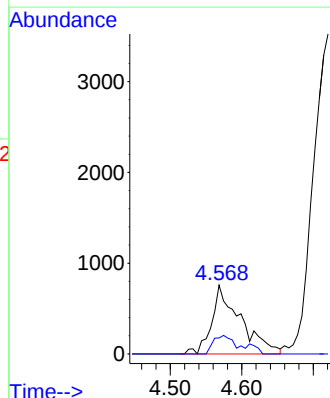
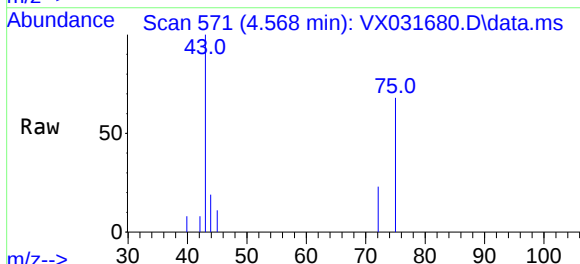
Ion	Ratio	Lower	Upper
84	100		
49	127.8	105.9	158.9
51	34.1	32.2	48.2
86	68.6	50.8	76.2

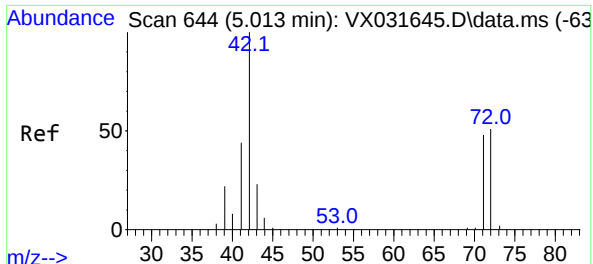


#25
2-Butanone
Concen: 4.128 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 43 Resp: 2111

Ion	Ratio	Lower	Upper
43	100		
72	23.2	21.1	31.7





#29

Tetrahydrofuran

Concen: 1.728 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.025 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

Instrument :

MSVOA_X

ClientSampleId :

355

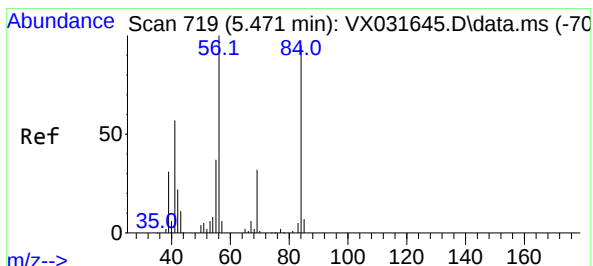
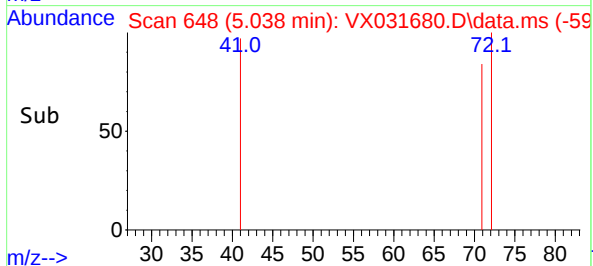
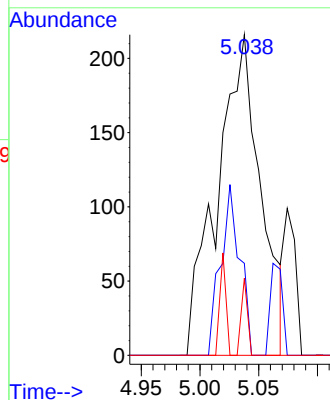
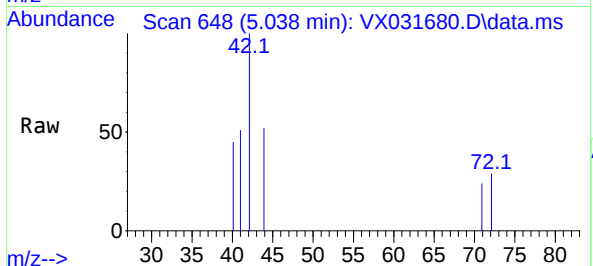
Tgt Ion: 42 Resp: 555

Ion Ratio Lower Upper

42 100

72 0.0 36.4 54.6#

71 3.4 33.5 50.3#



#31

Cyclohexane

Concen: 0.534 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.073 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

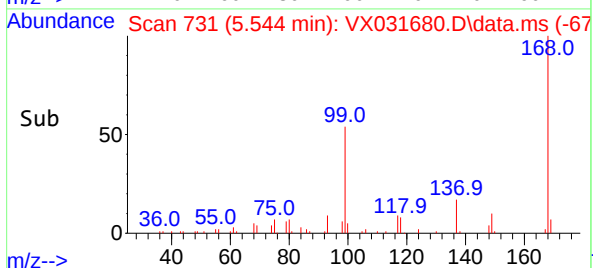
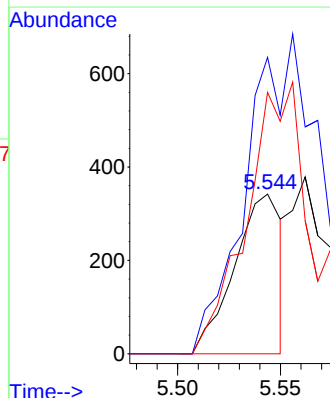
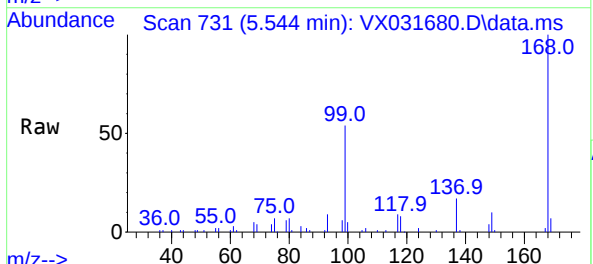
Tgt Ion: 56 Resp: 544

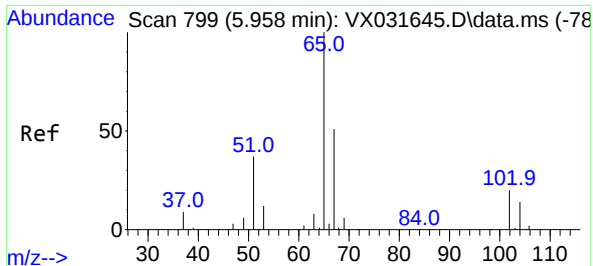
Ion Ratio Lower Upper

56 100

69 185.7 25.1 37.7#

84 163.7 70.2 105.4#

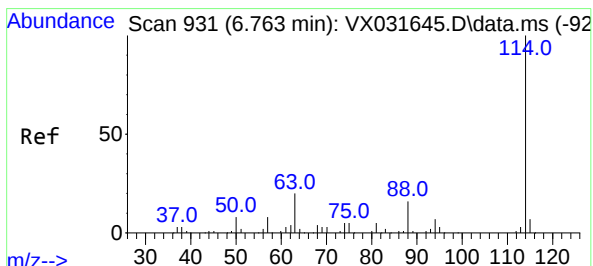
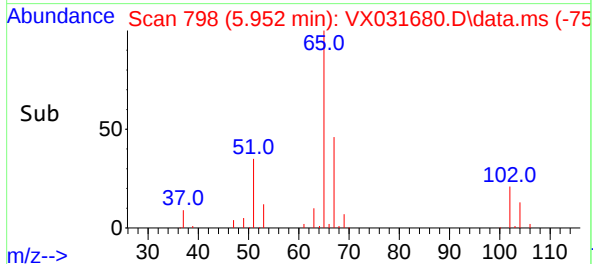
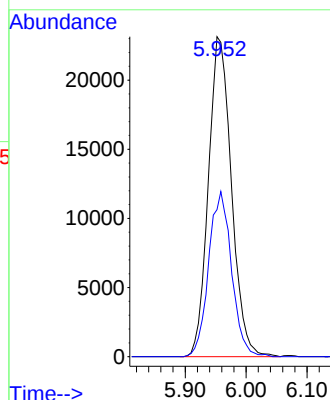
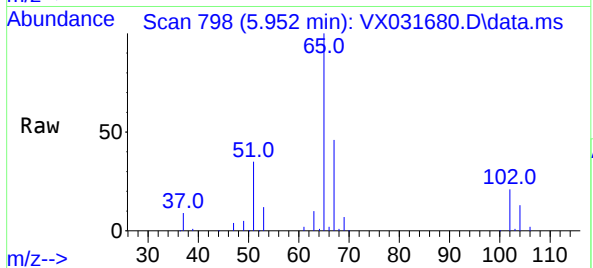




#33
1,2-Dichloroethane-d4
Concen: 56.882 ug/l
RT: 5.952 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

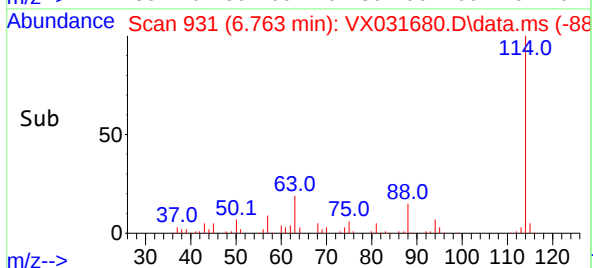
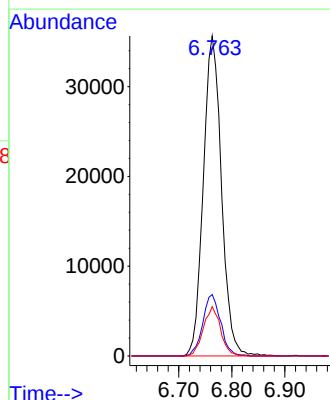
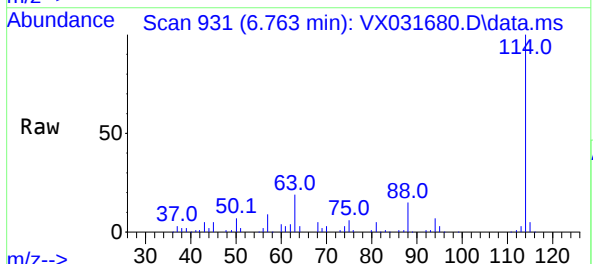
Instrument :
MSVOA_X
ClientSampleId :
355

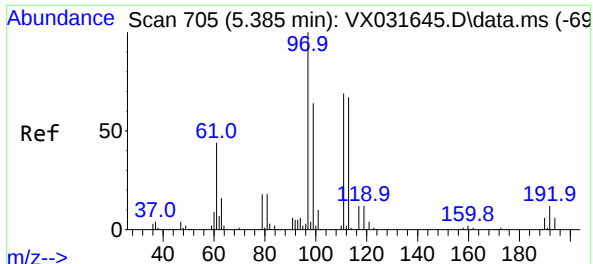
Tgt Ion: 65 Resp: 60937
Ion Ratio Lower Upper
65 100
67 51.2 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 114 Resp: 84620
Ion Ratio Lower Upper
114 100
63 19.2 0.0 42.6
88 15.4 0.0 33.0

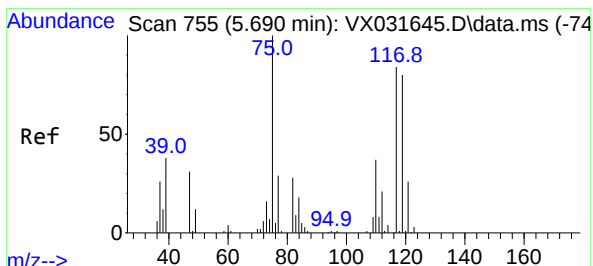
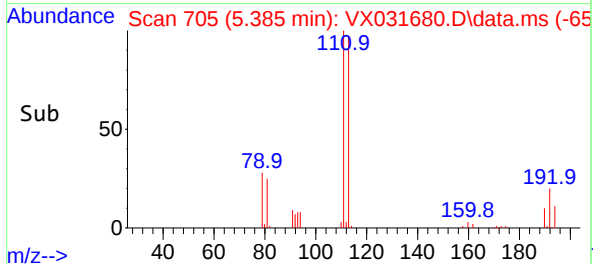
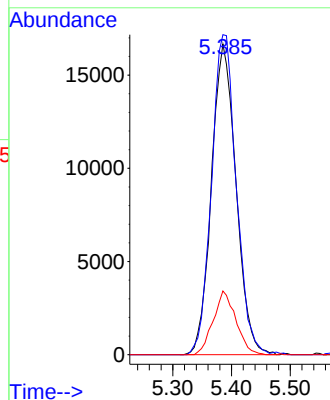
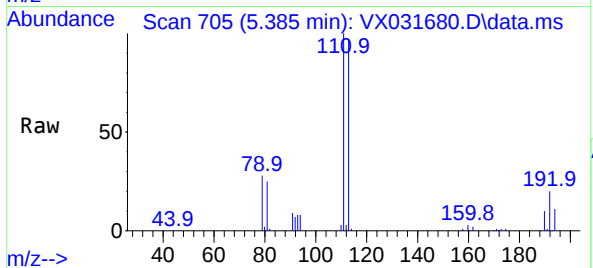




#35
Dibromofluoromethane
Concen: 48.058 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

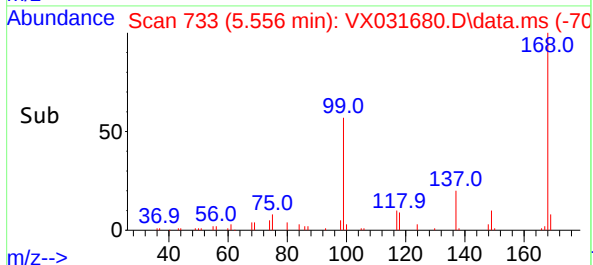
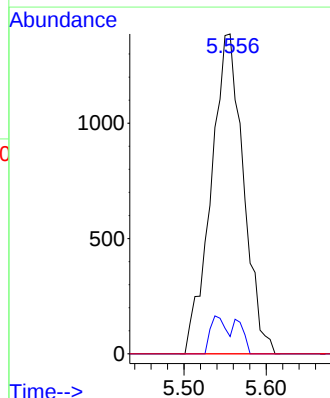
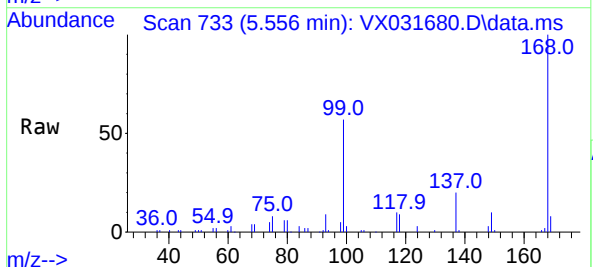
Instrument :
MSVOA_X
ClientSampleId :
355

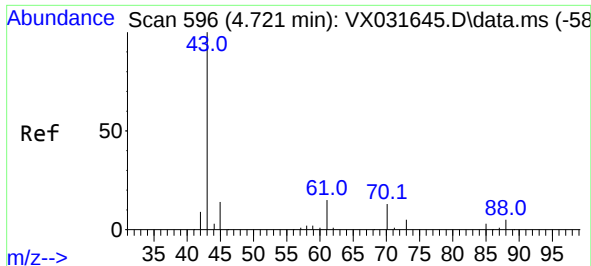
Tgt Ion:113 Resp: 48455
Ion Ratio Lower Upper
113 100
111 103.4 82.4 123.6
192 18.9 14.1 21.1



#36
1,1-Dichloropropene
Concen: 3.275 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 75 Resp: 3792
Ion Ratio Lower Upper
75 100
110 3.6 17.5 52.5#
77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 8.430 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

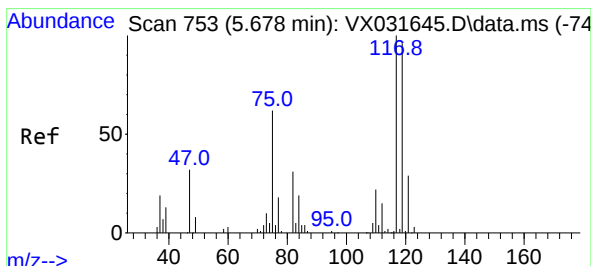
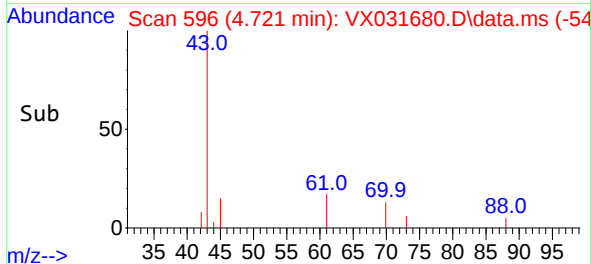
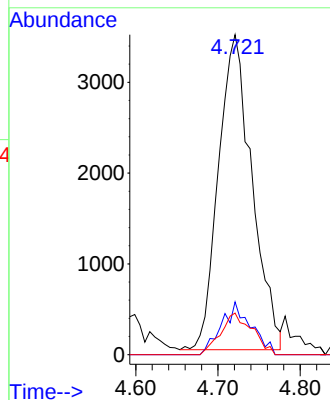
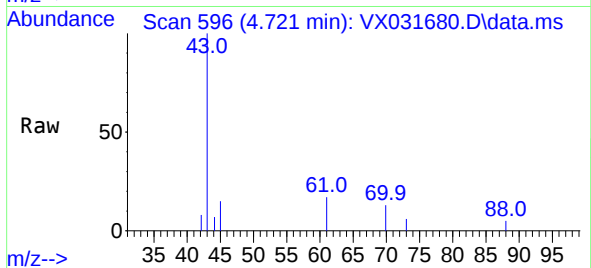
Instrument :

MSVOA_X

ClientSampleId :

355

Tgt Ion:	43	Resp:	9846
Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.1	16.7
70	12.4	8.6	13.0



#38

Carbon Tetrachloride

Concen: 4.015 ug/l

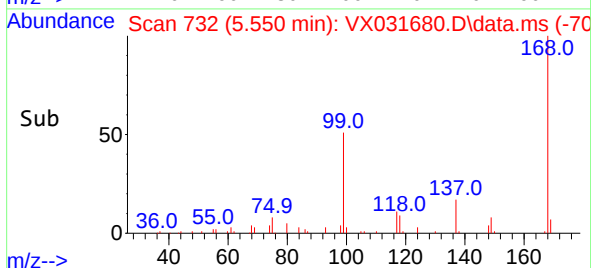
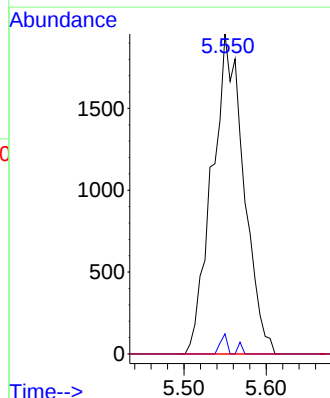
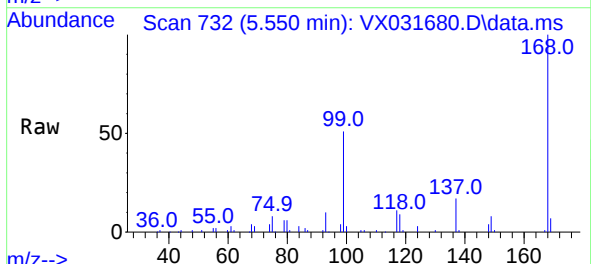
RT: 5.550 min Scan# 732

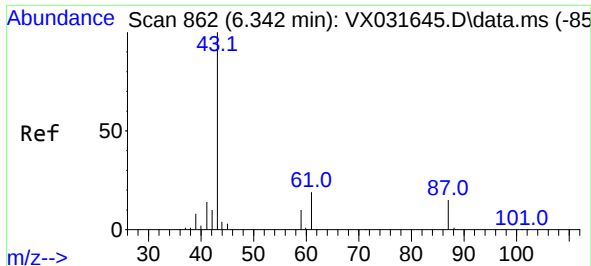
Delta R.T. -0.128 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

Tgt Ion:	117	Resp:	5240
Ion	Ratio	Lower	Upper
117	100		
119	6.3	74.6	112.0#
121	0.0	25.3	37.9#

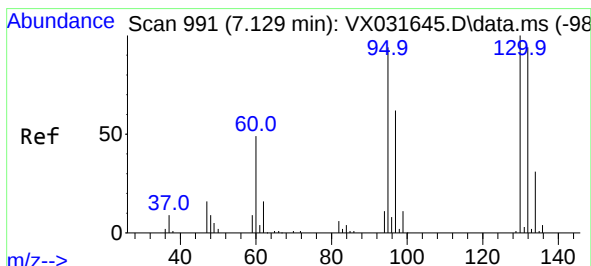
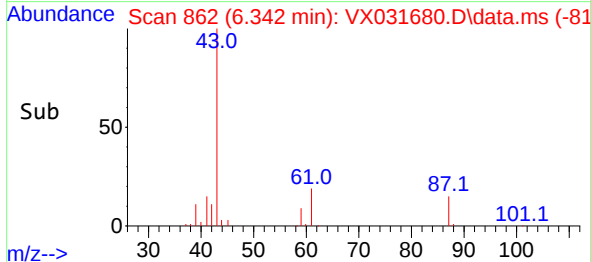
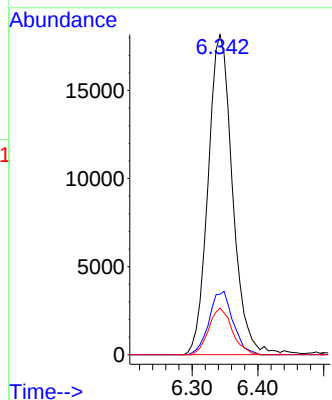
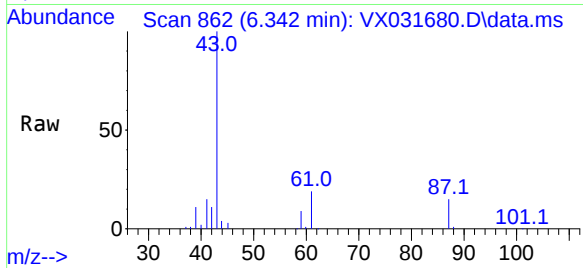




#43
Isopropyl Acetate
Concen: 25.554 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

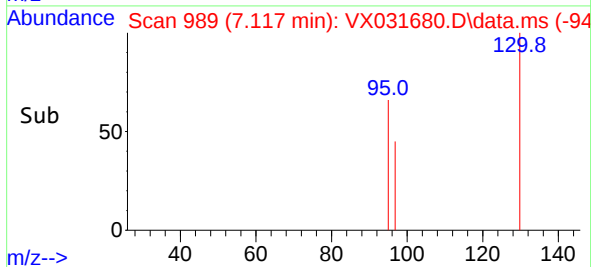
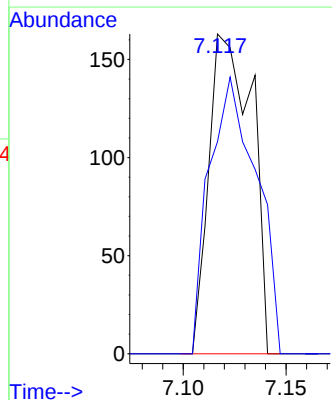
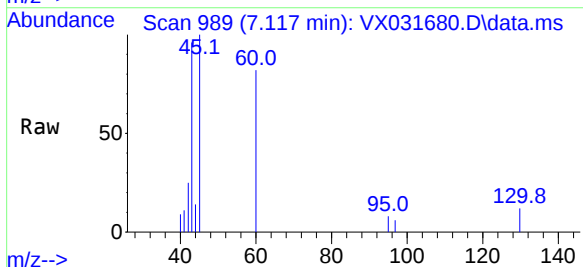
Instrument :
MSVOA_X
ClientSampleId :
355

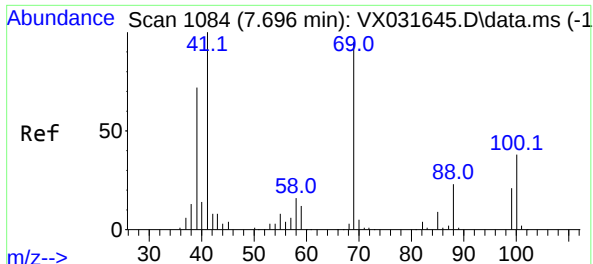
Tgt Ion: 43 Resp: 46974
Ion Ratio Lower Upper
43 100
61 19.4 15.3 22.9
87 14.0 10.6 15.8



#44
Trichloroethene
Concen: 0.236 ug/l
RT: 7.117 min Scan# 989
Delta R.T. -0.012 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion:130 Resp: 237
Ion Ratio Lower Upper
130 100
95 66.3 0.0 206.8





#48

Methyl methacrylate

Concen: 60.848 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.103 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

Instrument :

MSVOA_X

ClientSampleId :

355

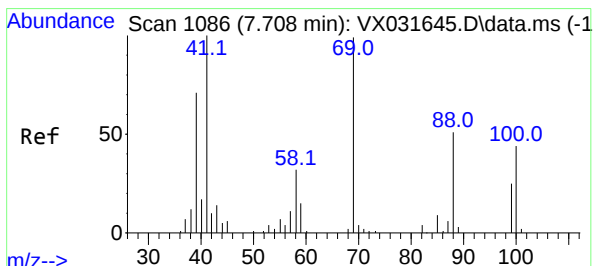
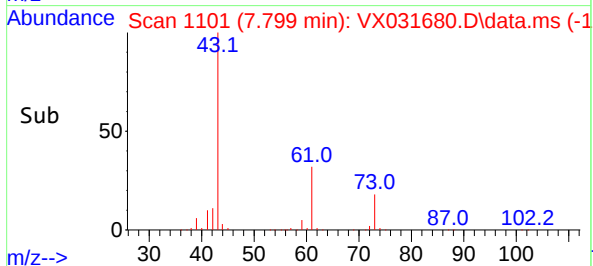
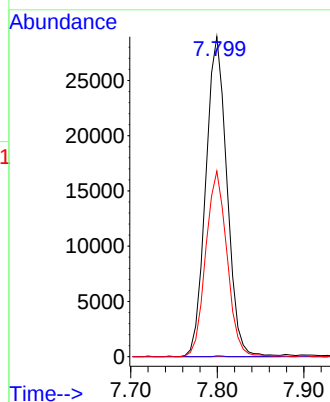
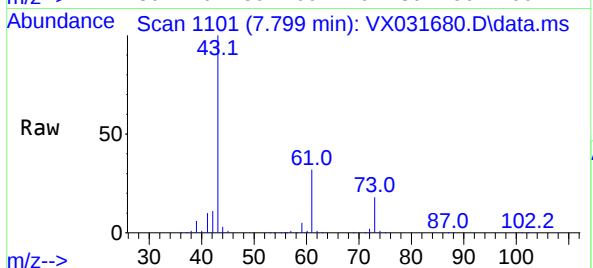
Tgt Ion: 41 Resp: 49191

Ion Ratio Lower Upper

41 100

69 0.1 64.6 96.8#

39 58.3 51.4 77.0



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.799 min Scan# 1101

Delta R.T. 0.115 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

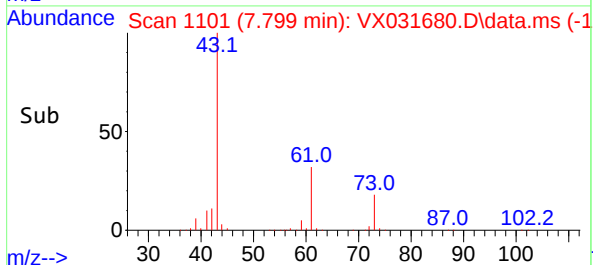
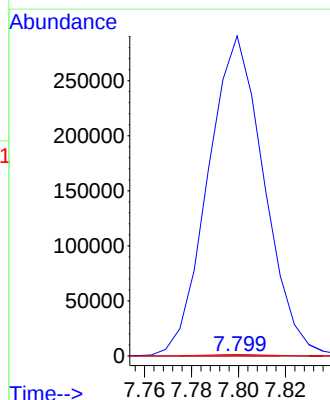
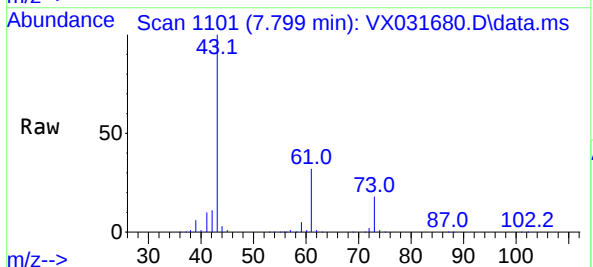
Tgt Ion: 88 Resp: 89

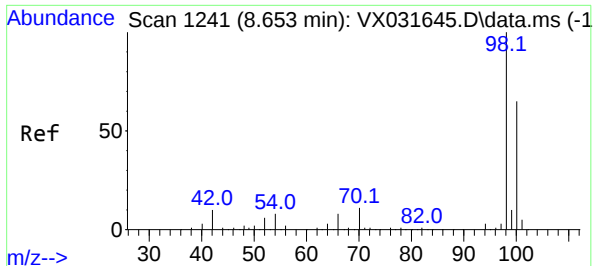
Ion Ratio Lower Upper

88 100

43 547760.7 27.1 40.7#

58 2660.7 53.9 80.9#





#50

Toluene-d8

Concen: 50.104 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

Instrument :

MSVOA_X

ClientSampleId :

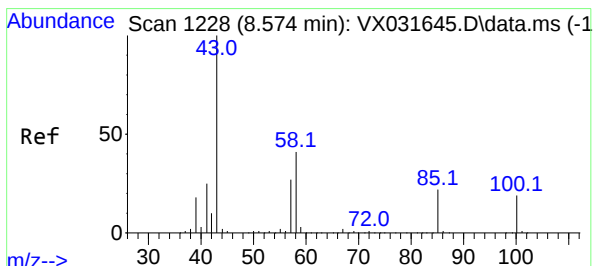
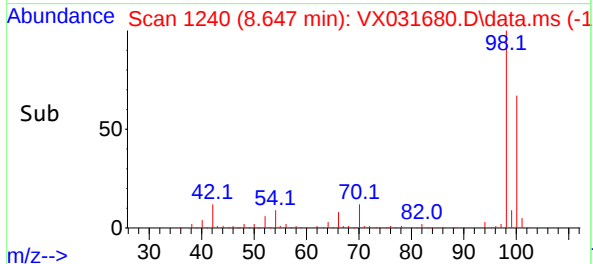
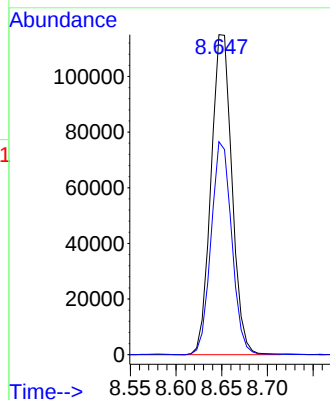
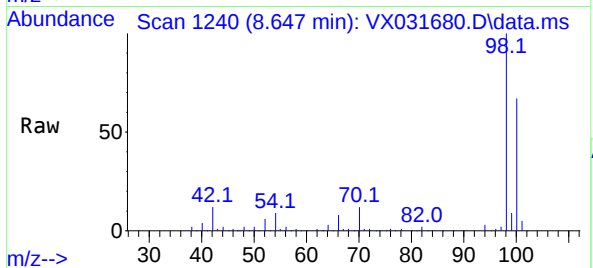
355

Tgt Ion: 98 Resp: 183150

Ion Ratio Lower Upper

98 100

100 65.7 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 36.899 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX031680.D

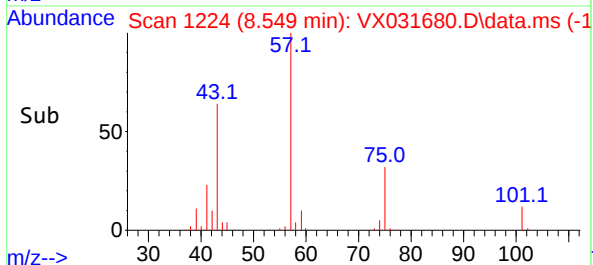
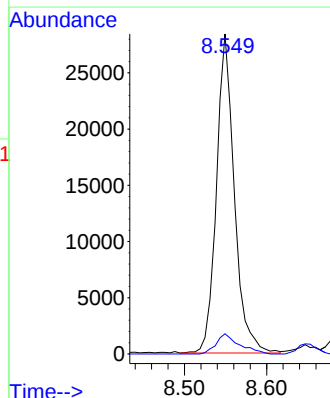
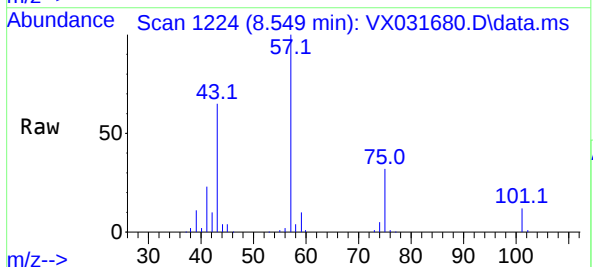
Acq: 27 Sep 2022 04:17

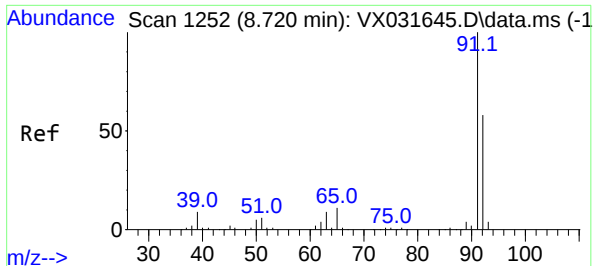
Tgt Ion: 43 Resp: 42933

Ion Ratio Lower Upper

43 100

58 8.1 30.6 46.0#





#52

Toluene

Concen: 0.280 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

Instrument :

MSVOA_X

ClientSampleId :

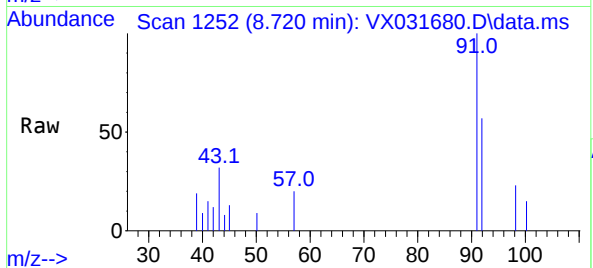
355

Tgt Ion: 92 Resp: 663

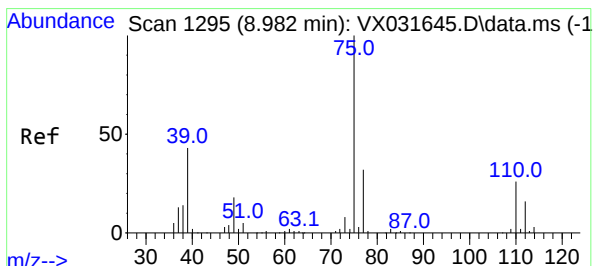
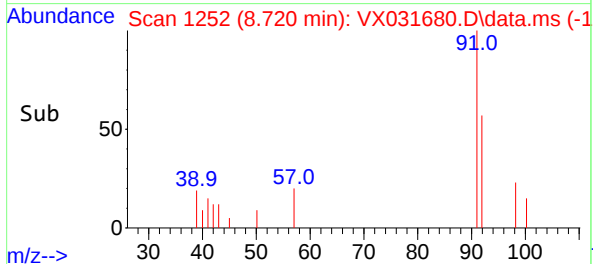
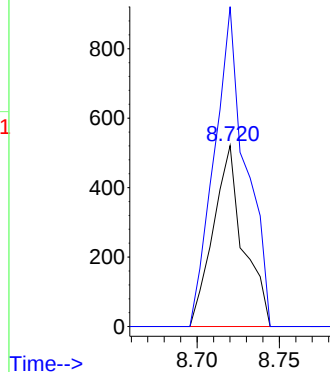
Ion Ratio Lower Upper

92 100

91 185.8 137.1 205.7



Abundance



#53

t-1,3-Dichloropropene

Concen: 2.193 ug/l

RT: 8.964 min Scan# 1292

Delta R.T. -0.018 min

Lab File: VX031680.D

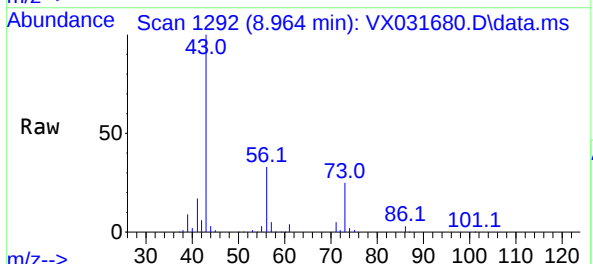
Acq: 27 Sep 2022 04:17

Tgt Ion: 75 Resp: 463

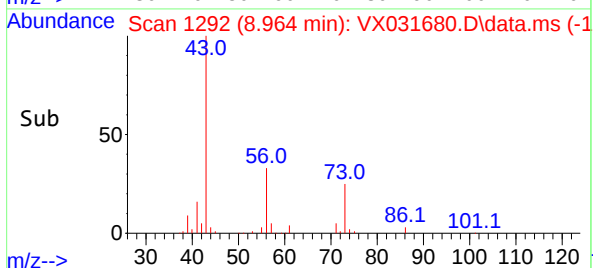
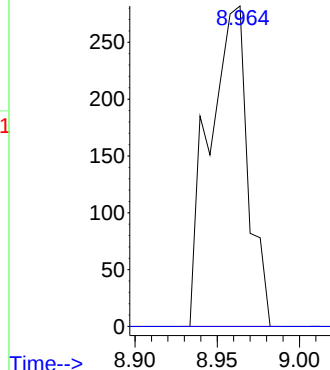
Ion Ratio Lower Upper

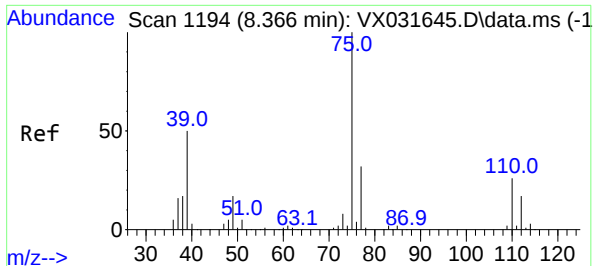
75 100

77 0.0 24.8 37.2#



Abundance





#54

cis-1,3-Dichloropropene

Concen: 15.882 ug/l

RT: 8.549 min Scan# 11

Delta R.T. 0.183 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

Instrument :

MSVOA_X

ClientSampleId :

355

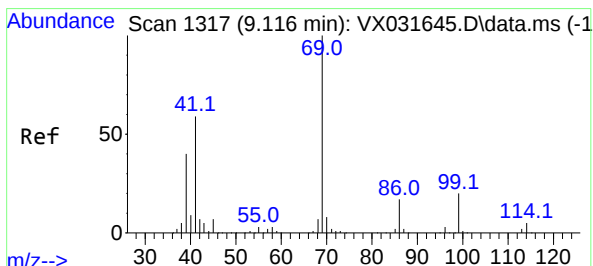
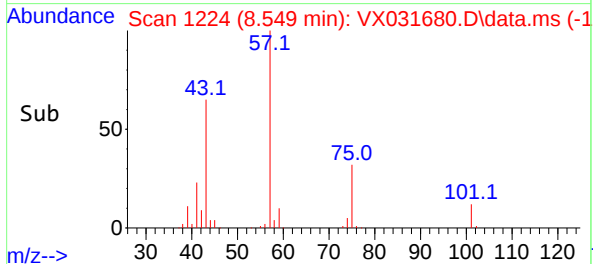
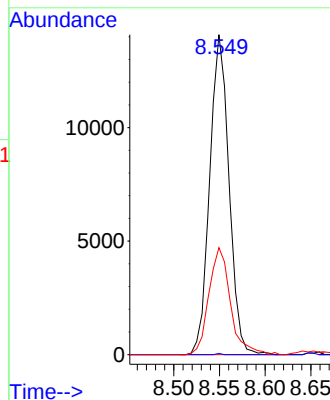
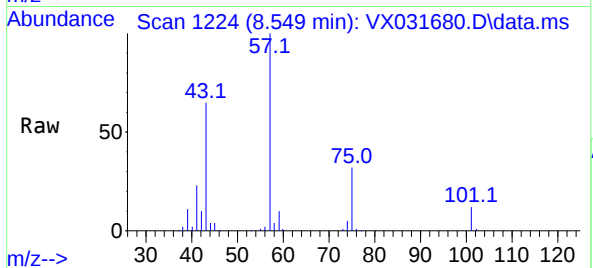
Tgt Ion: 75 Resp: 20645

Ion Ratio Lower Upper

75 100

77 0.4 24.4 36.6#

39 33.5 43.7 65.5#



#56

Ethyl methacrylate

Concen: 0.411 ug/l

RT: 9.244 min Scan# 1338

Delta R.T. 0.128 min

Lab File: VX031680.D

Acq: 27 Sep 2022 04:17

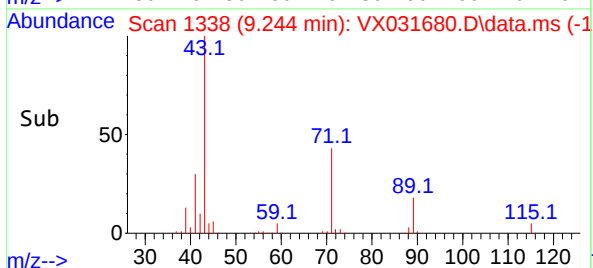
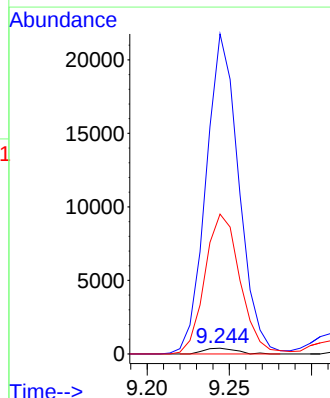
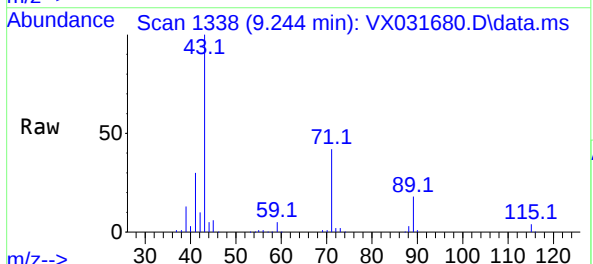
Tgt Ion: 69 Resp: 537

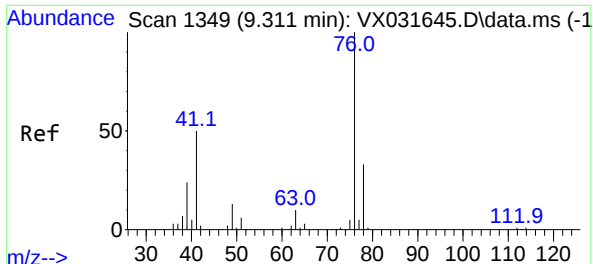
Ion Ratio Lower Upper

69 100

41 5650.3 54.2 81.4#

39 2646.0 34.2 51.2#

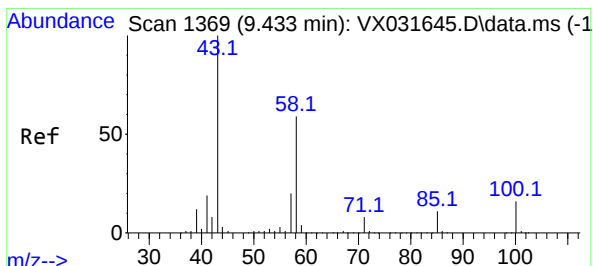
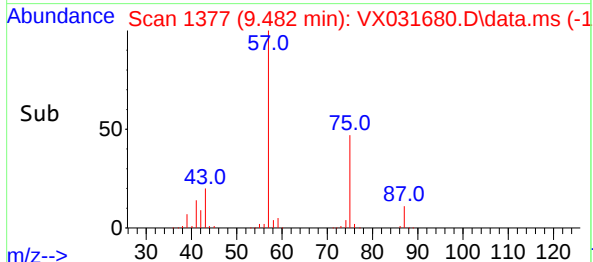
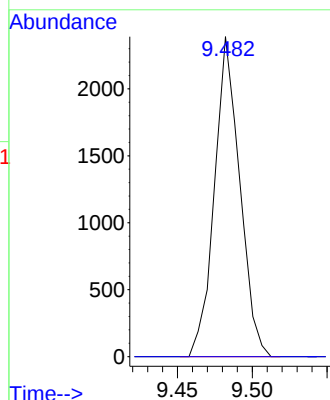
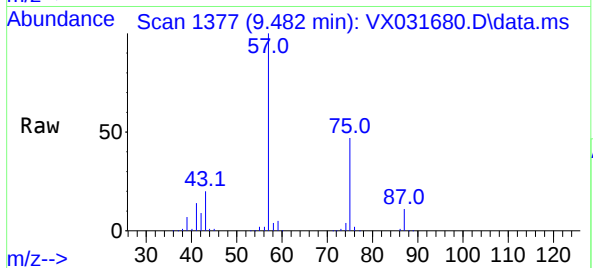




#57
1,3-Dichloropropane
Concen: 1.738 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

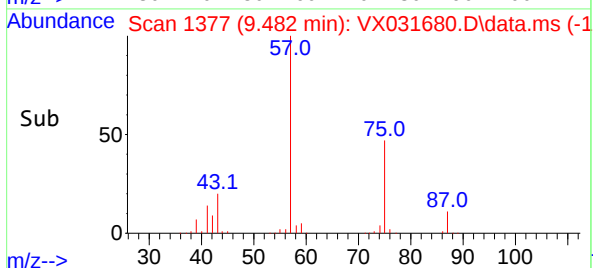
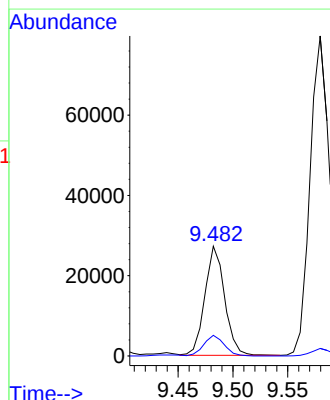
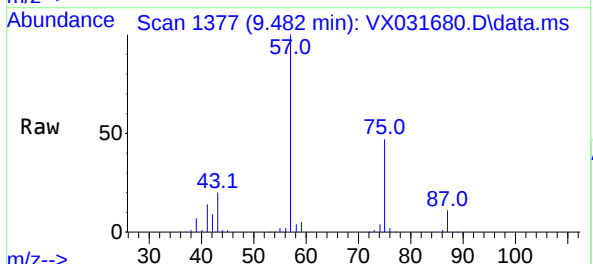
Instrument :
MSVOA_X
ClientSampleId :
355

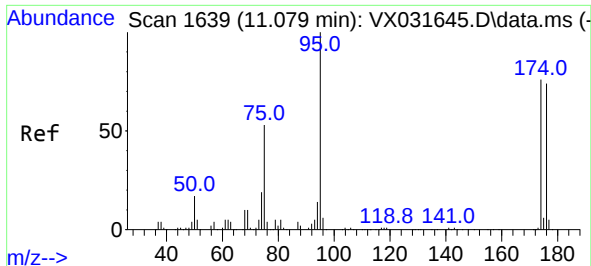
Tgt Ion: 76 Resp: 2810
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 39.104 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 43 Resp: 33947
Ion Ratio Lower Upper
43 100
58 19.5 26.7 80.0#

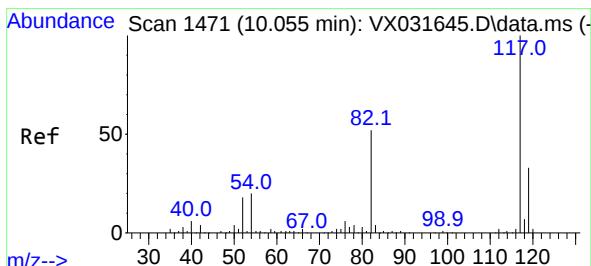
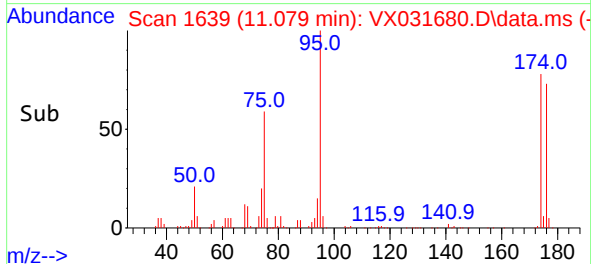
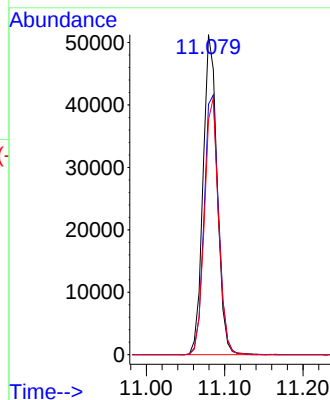
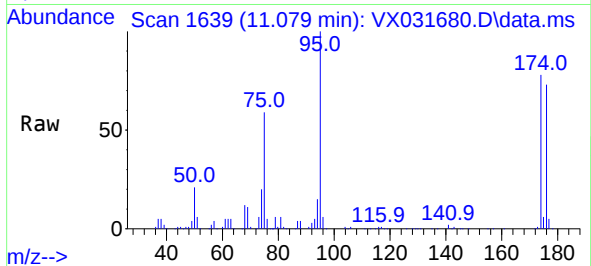




#62
4-Bromofluorobenzene
Concen: 47.620 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

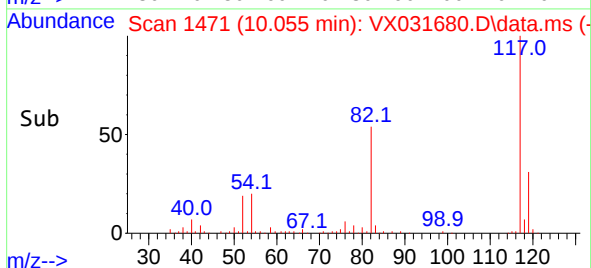
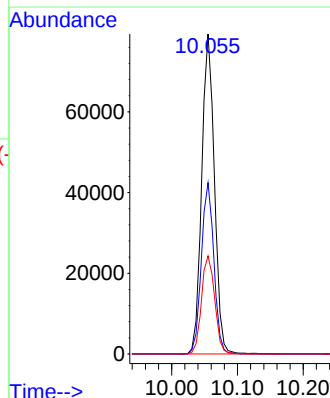
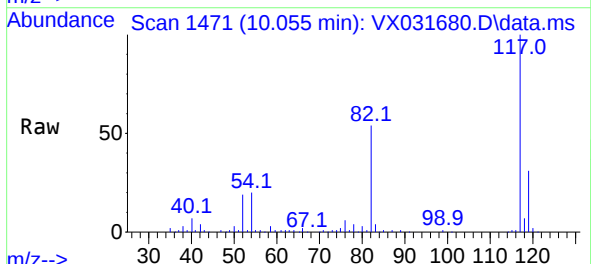
Instrument :
MSVOA_X
ClientSampleId :
355

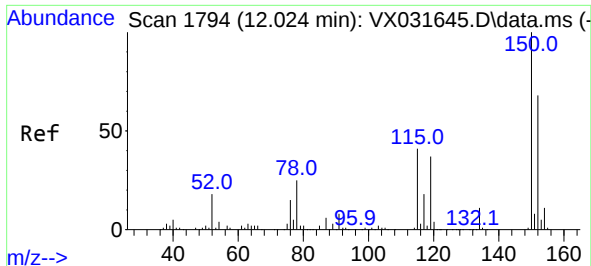
Tgt Ion: 95 Resp: 63800
Ion Ratio Lower Upper
95 100
174 84.1 0.0 153.2
176 80.6 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 117 Resp: 106340
Ion Ratio Lower Upper
117 100
82 53.5 46.8 70.2
119 30.7 26.4 39.6

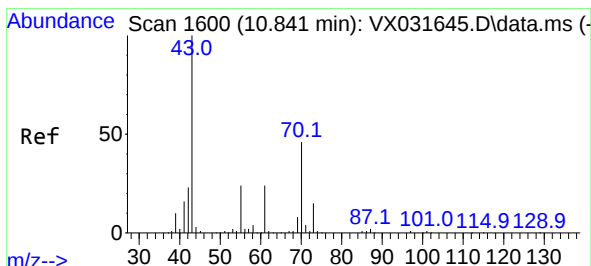
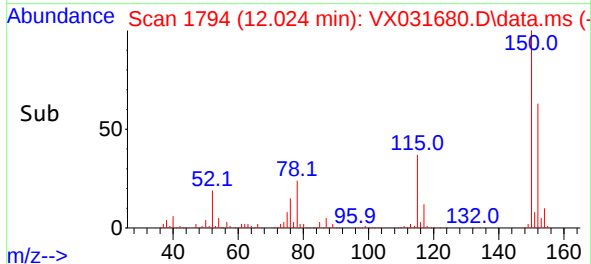
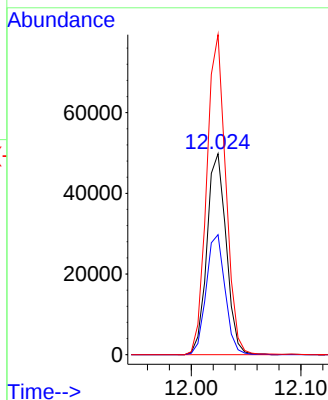
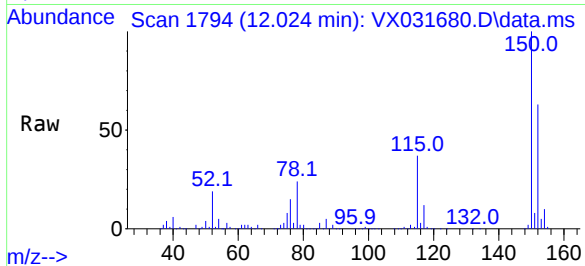




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

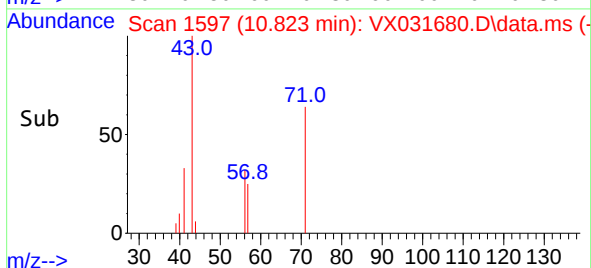
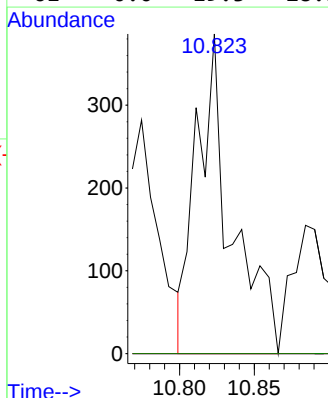
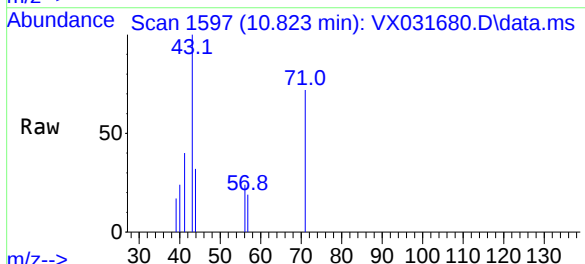
Instrument :
MSVOA_X
ClientSampleId :
355

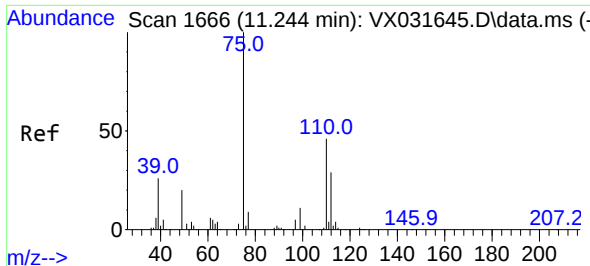
Tgt Ion:152 Resp: 60925
Ion Ratio Lower Upper
152 100
115 58.6 43.4 130.1
150 157.4 0.0 346.8



#74
N-ethyl acetate
Concen: 0.487 ug/l
RT: 10.823 min Scan# 1597
Delta R.T. -0.019 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 43 Resp: 623
Ion Ratio Lower Upper
43 100
70 0.0 33.4 50.2#
55 0.0 18.2 27.2#
61 0.0 19.3 28.9#

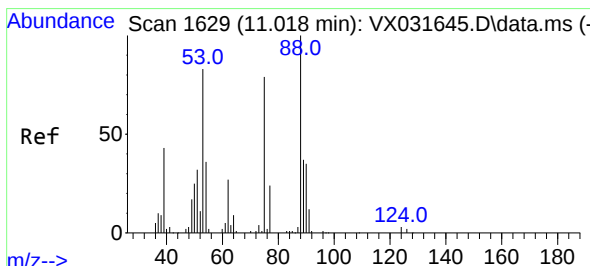
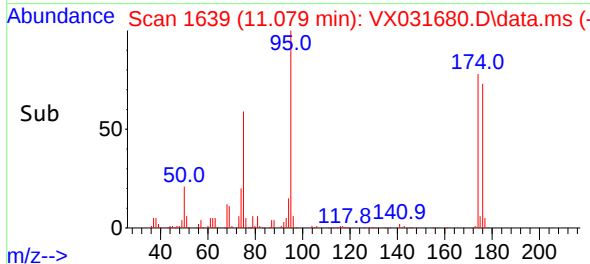
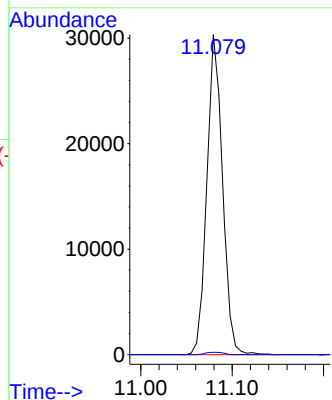
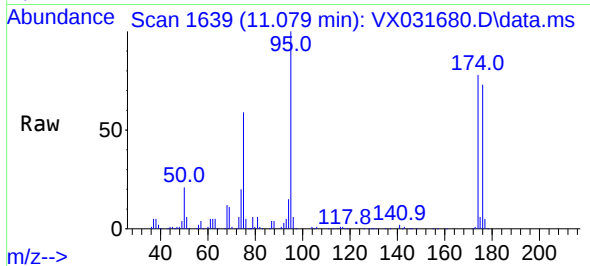




#76
1,2,3-Trichloropropane
Concen: 32.530 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Instrument :
MSVOA_X
ClientSampleId :
355

Tgt Ion: 75 Resp: 35929
Ion Ratio Lower Upper
75 100
77 0.9 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 106.963 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031680.D
Acq: 27 Sep 2022 04:17

Tgt Ion: 75 Resp: 35929
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

