

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028708.D
 Acq On : 14 May 2022 03:45
 Operator : JC/MD
 Sample : N2823-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COM-1

Quant Time: May 16 02:33:01 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

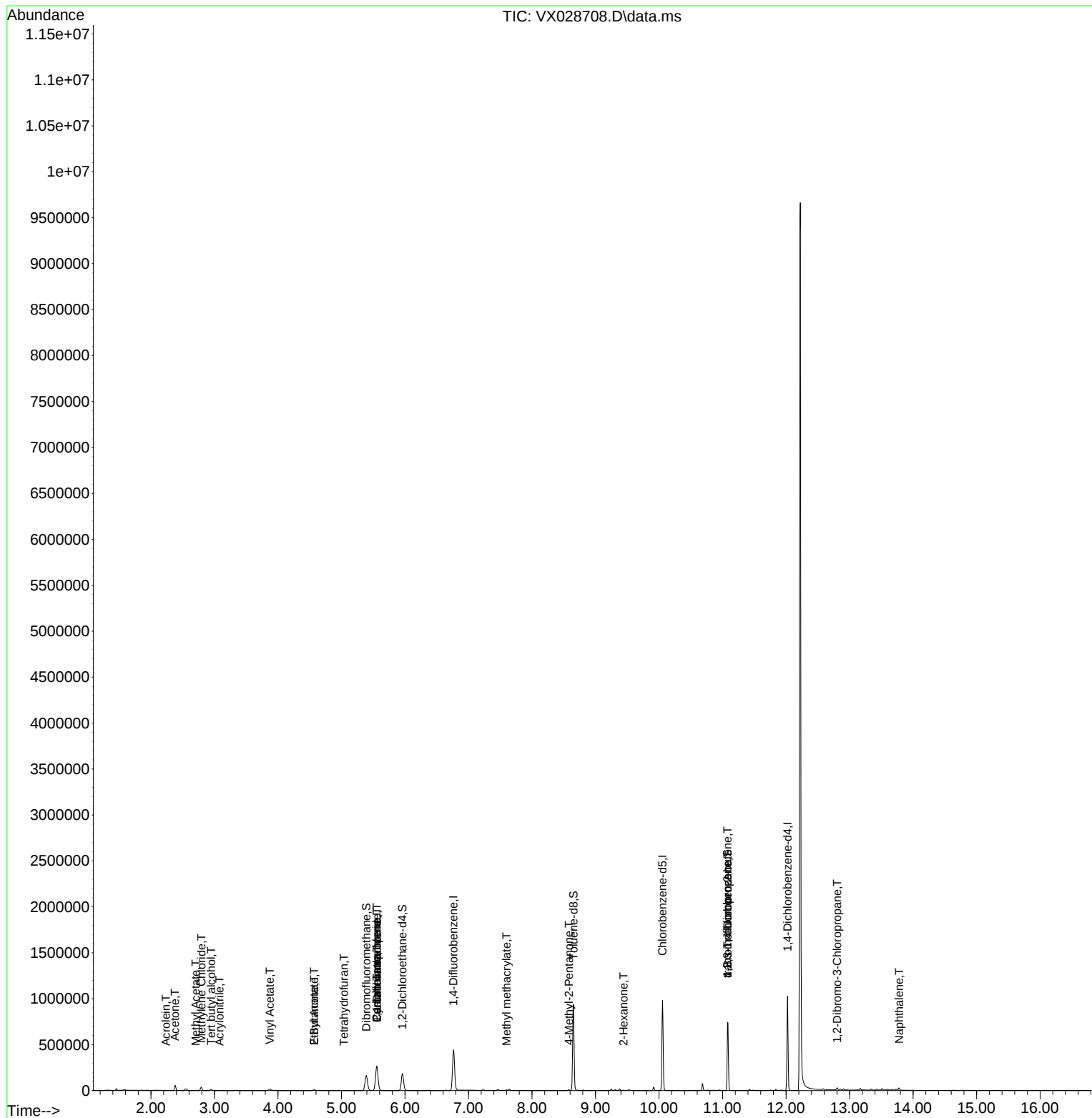
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	236326	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	446309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	424444	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	194739	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	173276	53.489	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.980%	
35) Dibromofluoromethane	5.391	113	138279	47.289	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 94.580%	
50) Toluene-d8	8.653	98	543911	49.336	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.680%	
62) 4-Bromofluorobenzene	11.079	95	200018	48.574	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 97.140%	
Target Compounds						Qvalue
5) Bromomethane	1.611	94	593	Below Cal	#	80
6) Chloroethane	1.636	64	422	Below Cal	#	43
11) Tert butyl alcohol	2.946	59	7891	3.615	ug/l #	75
13) Acrolein	2.233	56	276	0.519	ug/l #	50
15) Acrylonitrile	3.080	53	1001	0.641	ug/l	98
16) Acetone	2.379	43	58861	42.337	ug/l	93
18) Methyl Acetate	2.702	43	1414	0.406	ug/l #	84
20) Methylene Chloride	2.794	84	15917	5.457	ug/l	98
23) Vinyl Acetate	3.873	43	3796	0.525	ug/l #	66
25) 2-Butanone	4.568	43	11323	5.188	ug/l	97
29) Tetrahydrofuran	5.037	42	716	0.505	ug/l #	47
31) Cyclohexane	5.556	56	5924	1.317	ug/l #	34
36) 1,1-Dichloropropene	5.556	75	20136	4.585	ug/l #	49
37) Ethyl Acetate	4.568	43	11323	2.468	ug/l #	65
38) Carbon Tetrachloride	5.556	117	25954	5.872	ug/l #	16
48) Methyl methacrylate	7.598	41	7536	2.174	ug/l #	17
51) 4-Methyl-2-Pentanone	8.579	43	6330	1.339	ug/l	97
59) 2-Hexanone	9.439	43	2840	0.773	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	106450	23.341	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	106450	68.113	ug/l #	15
92) 1,2-Dibromo-3-Chloropr...	12.804	75	244	0.226	ug/l #	1
95) Naphthalene	13.780	128	14775	1.068	ug/l	98

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

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Instrument :
MSVOA_X
ClientSampleId :
COM-1

Quant Time: May 16 02:33:01 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

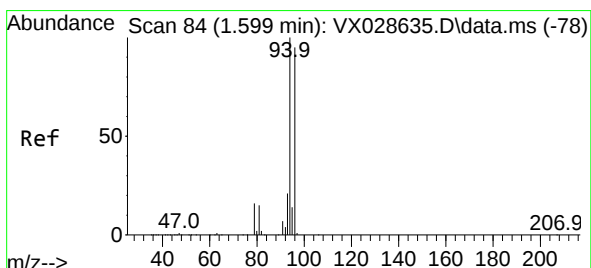
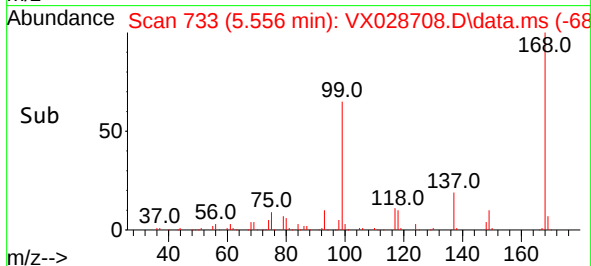
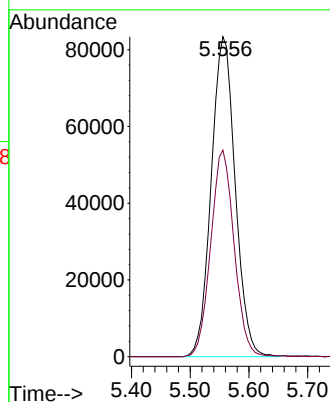
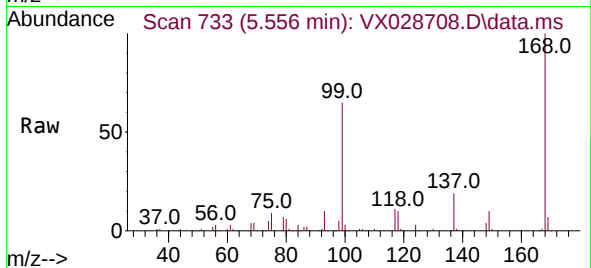




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

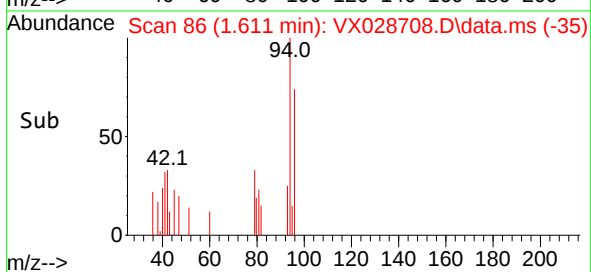
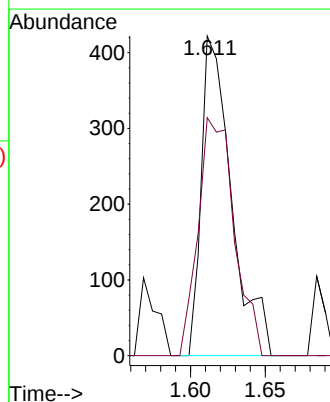
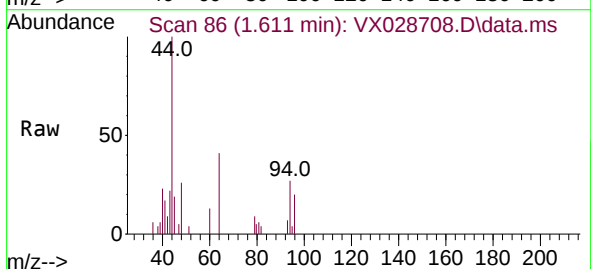
Instrument :
MSVOA_X
ClientSampleId :
COM-1

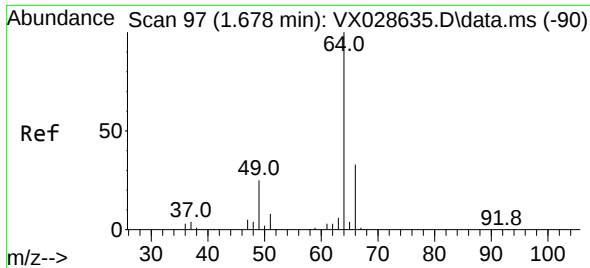
Tgt Ion:168 Resp: 236326
Ion Ratio Lower Upper
168 100
99 64.6 41.7 62.5#



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion: 94 Resp: 593
Ion Ratio Lower Upper
94 100
96 74.4 75.3 112.9#

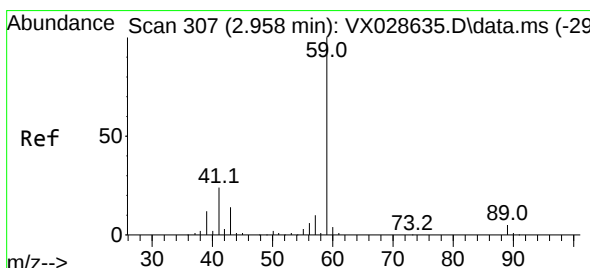
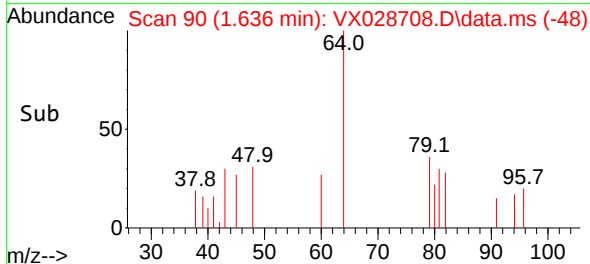
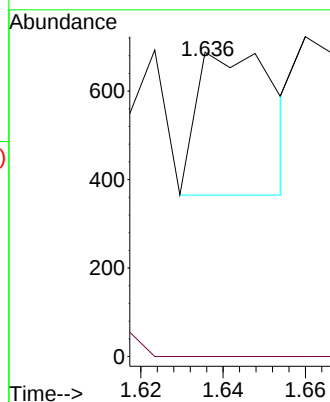
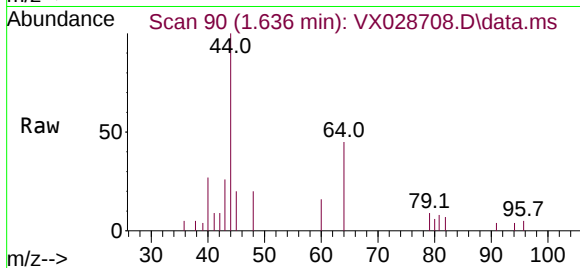




#6
Chloroethane
Concen: Below Cal
RT: 1.636 min Scan# 90
Delta R.T. -0.042 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

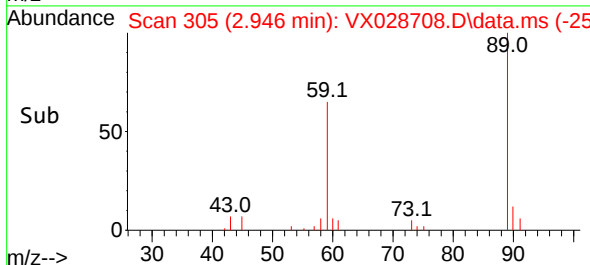
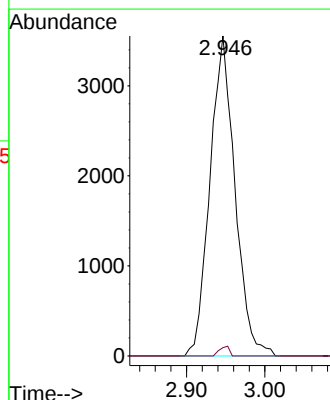
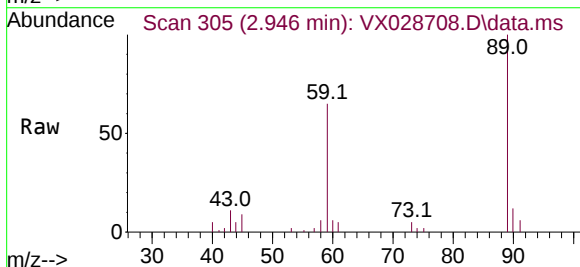
Instrument :
MSVOA_X
ClientSampleId :
COM-1

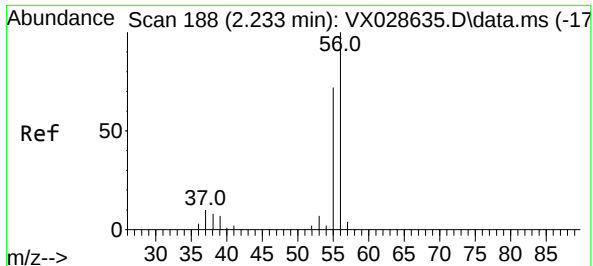
Tgt Ion: 64 Resp: 422
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 3.615 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.012 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion: 59 Resp: 7891
Ion Ratio Lower Upper
59 100
57 1.2 8.3 12.5#

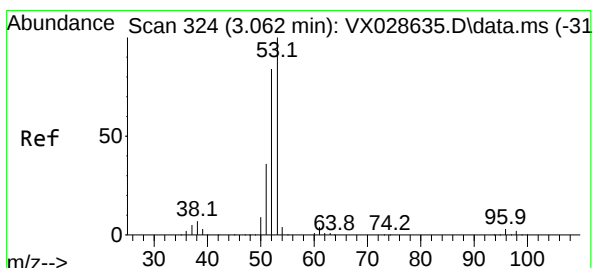
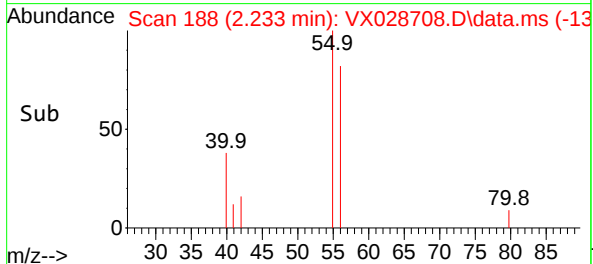
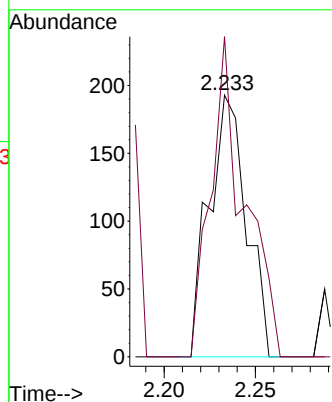
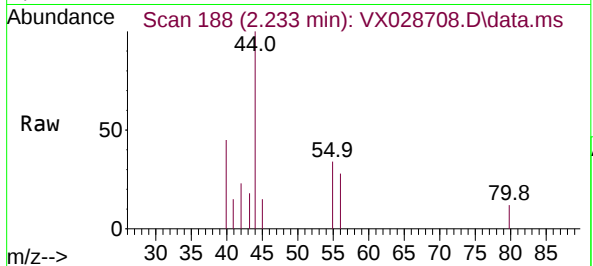




#13
Acrolein
Concen: 0.519 ug/l
RT: 2.233 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

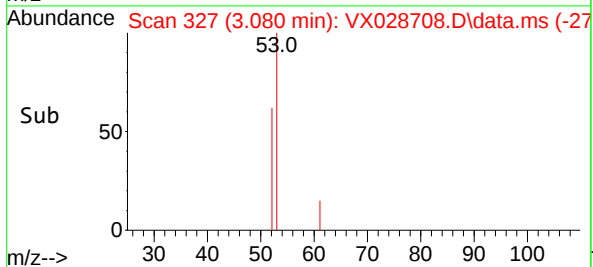
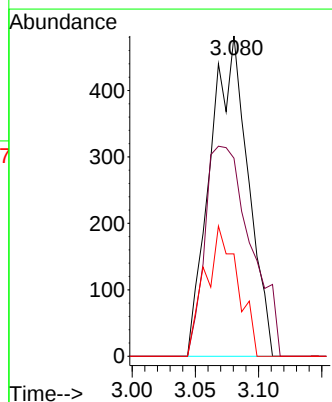
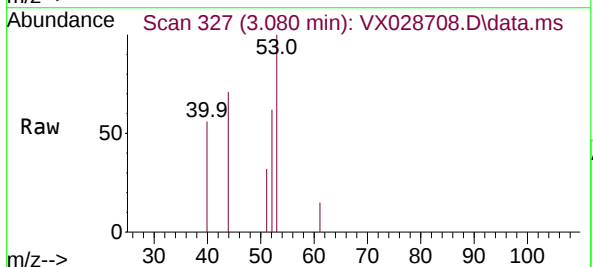
Instrument :
MSVOA_X
ClientSampleId :
COM-1

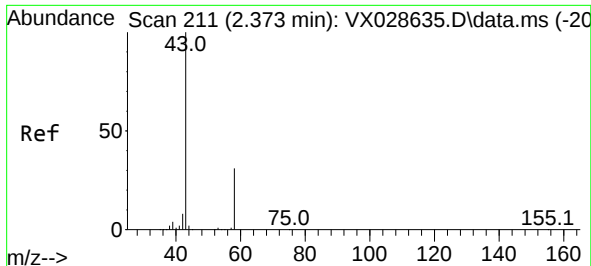
Tgt Ion: 56 Resp: 276
Ion Ratio Lower Upper
56 100
55 109.8 55.0 82.6#



#15
Acrylonitrile
Concen: 0.641 ug/l
RT: 3.080 min Scan# 327
Delta R.T. 0.018 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion: 53 Resp: 1001
Ion Ratio Lower Upper
53 100
52 79.4 65.7 98.5
51 35.0 28.4 42.6

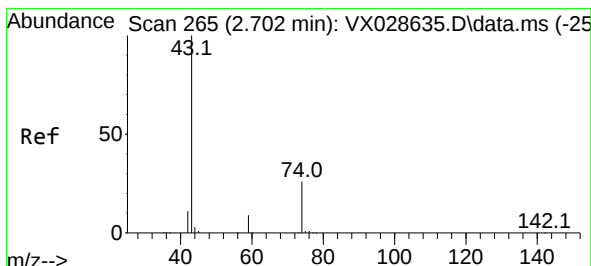
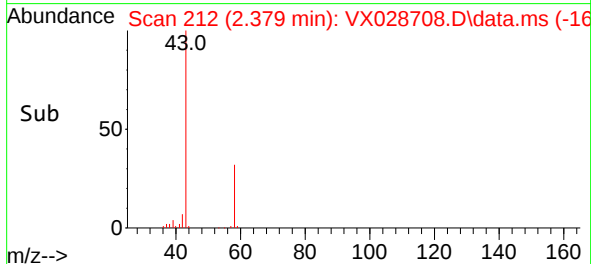
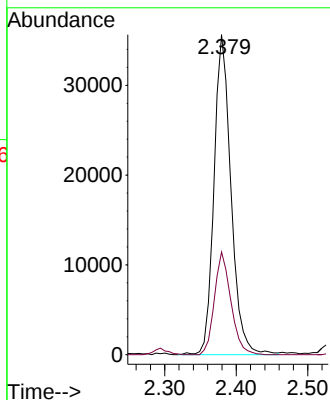
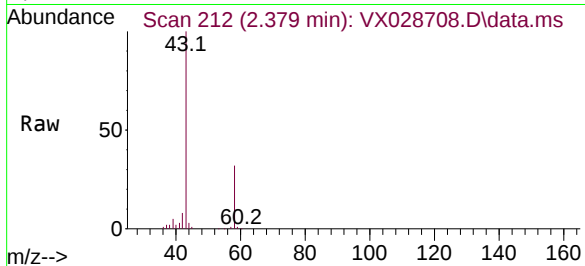




#16
Acetone
Concen: 42.337 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

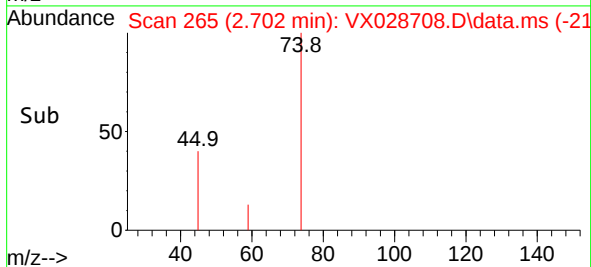
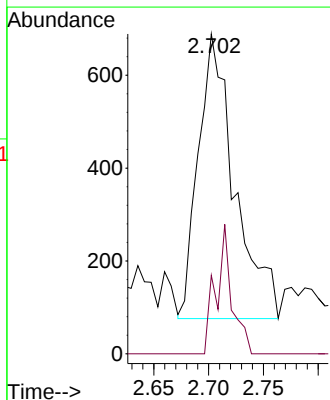
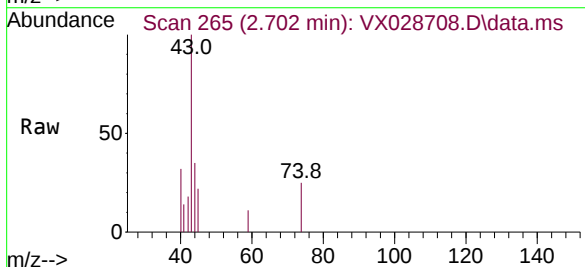
Instrument :
MSVOA_X
ClientSampleId :
COM-1

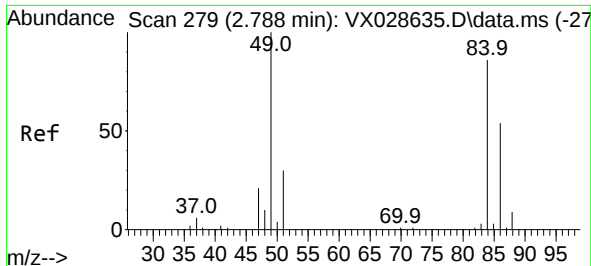
Tgt Ion: 43 Resp: 58861
Ion Ratio Lower Upper
43 100
58 32.1 28.8 43.2



#18
Methyl Acetate
Concen: 0.406 ug/l
RT: 2.702 min Scan# 265
Delta R.T. 0.000 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
74 19.9 22.8 34.2#

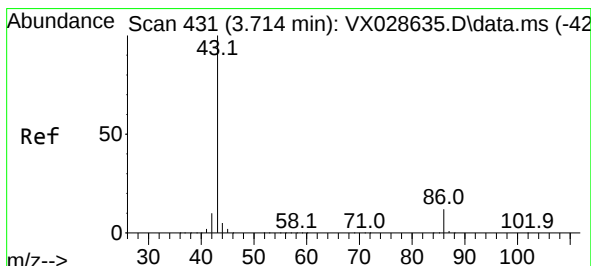
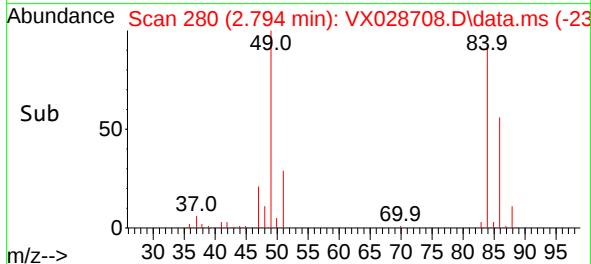
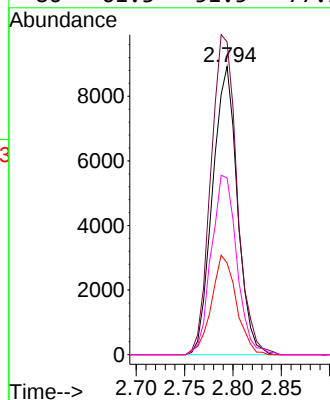
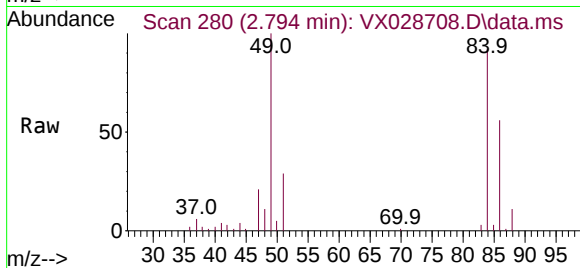




#20
Methylene Chloride
Concen: 5.457 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

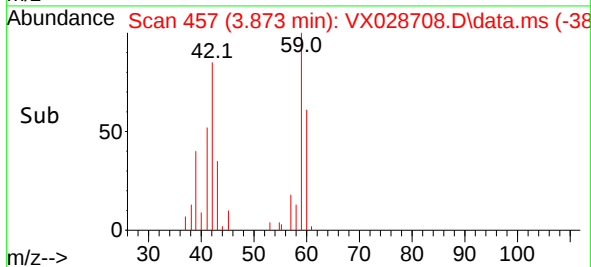
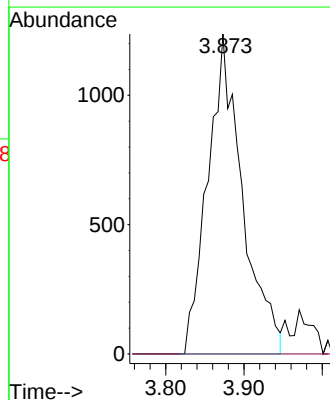
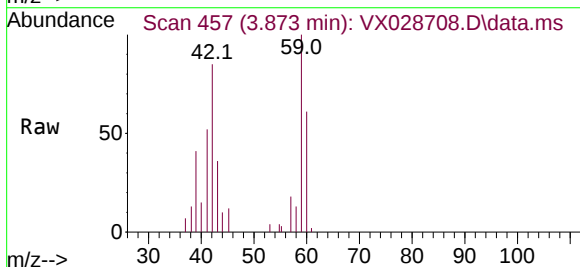
Instrument :
MSVOA_X
ClientSampleId :
COM-1

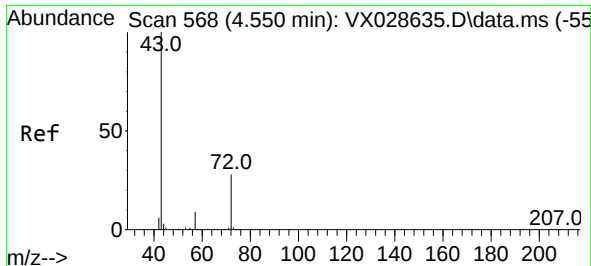
Tgt Ion:	84	Resp:	15917
Ion	Ratio	Lower	Upper
84	100		
49	108.6	85.5	128.3
51	31.8	26.6	39.8
86	61.3	51.5	77.3



#23
Vinyl Acetate
Concen: 0.525 ug/l
RT: 3.873 min Scan# 457
Delta R.T. 0.159 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion:	43	Resp:	3796
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.8	16.2#





#25

2-Butanone

Concen: 5.188 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX028708.D

Acq: 14 May 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

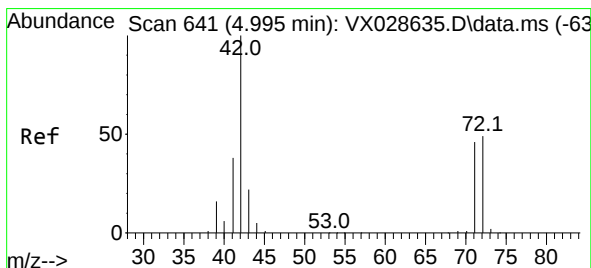
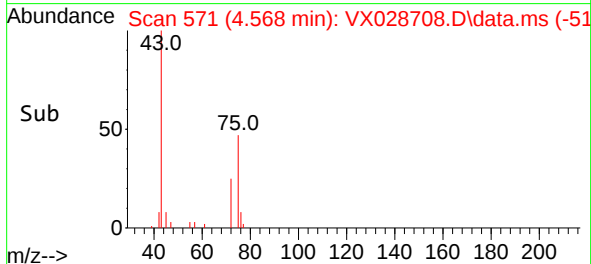
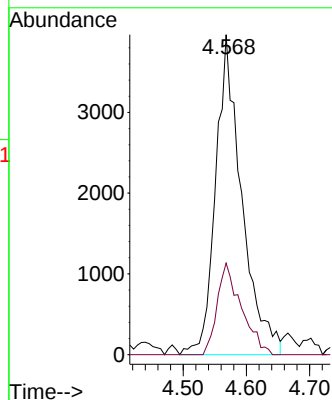
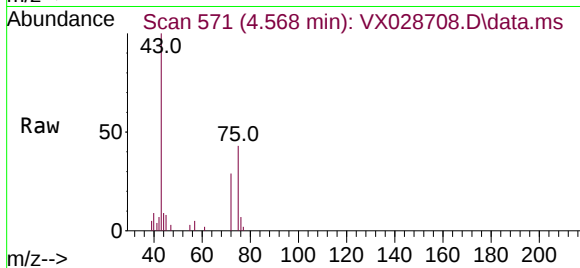
COM-1

Tgt Ion: 43 Resp: 11323

Ion Ratio Lower Upper

43 100

72 28.6 24.4 36.6



#29

Tetrahydrofuran

Concen: 0.505 ug/l

RT: 5.037 min Scan# 648

Delta R.T. 0.042 min

Lab File: VX028708.D

Acq: 14 May 2022 03:45

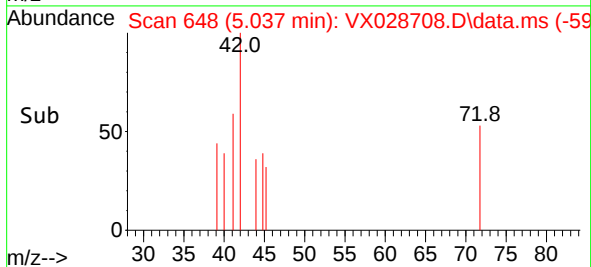
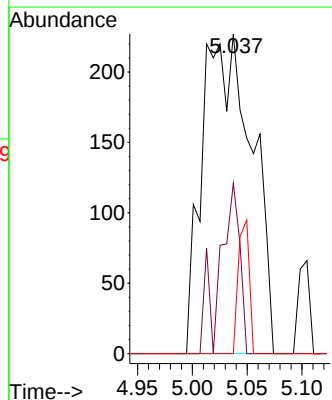
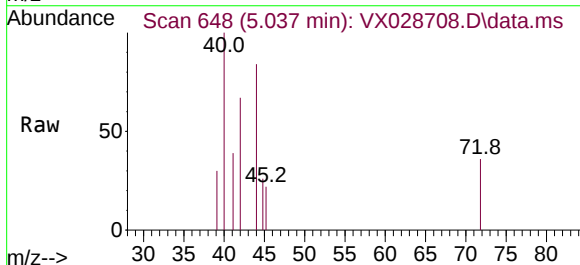
Tgt Ion: 42 Resp: 716

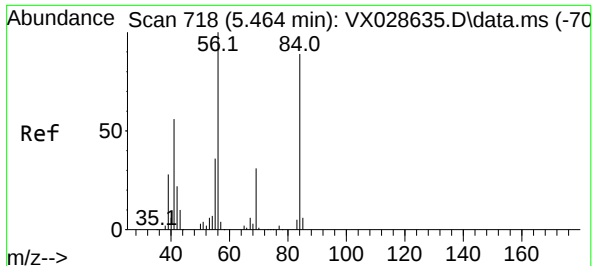
Ion Ratio Lower Upper

42 100

72 21.9 44.1 66.1#

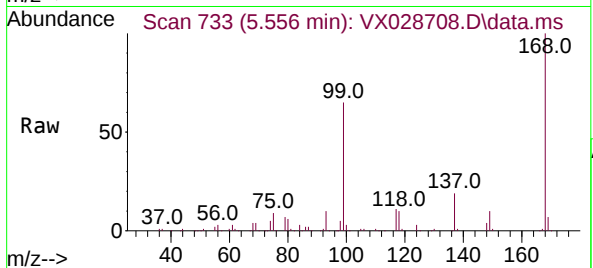
71 9.1 40.5 60.7#



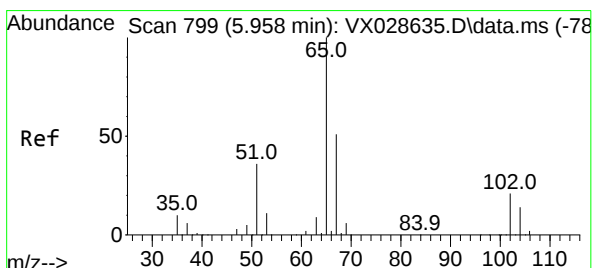
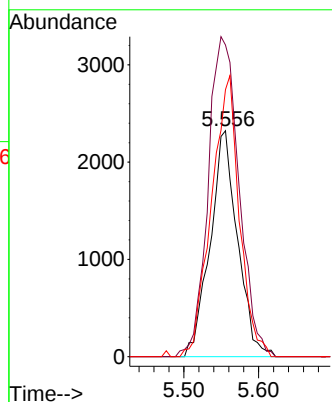
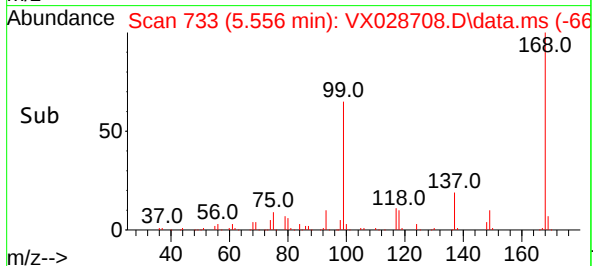


#31
Cyclohexane
Concen: 1.317 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Instrument :
MSVOA_X
ClientSampleId :
COM-1

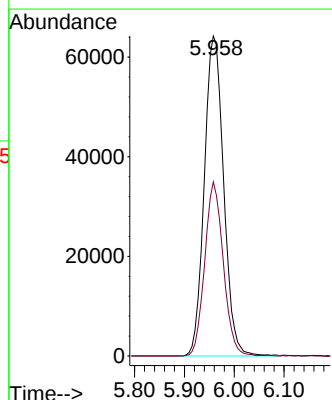
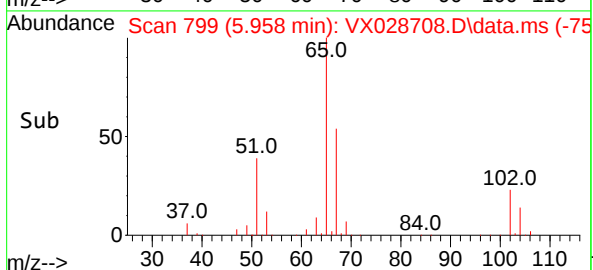
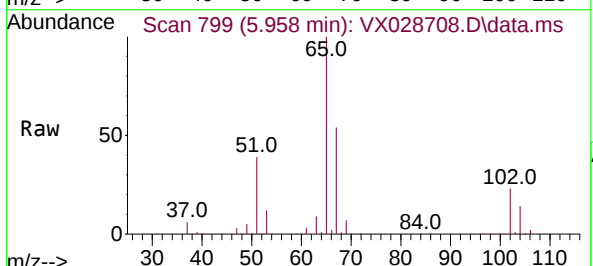


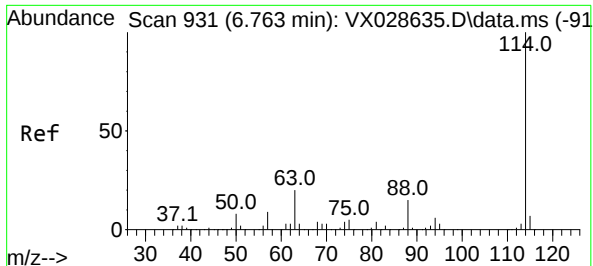
Tgt Ion: 56 Resp: 5924
Ion Ratio Lower Upper
56 100
69 138.0 26.7 40.1#
84 121.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.489 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion: 65 Resp: 173276
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

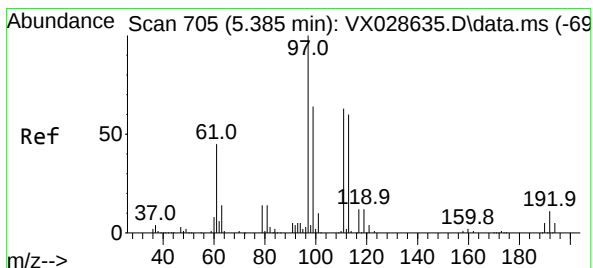
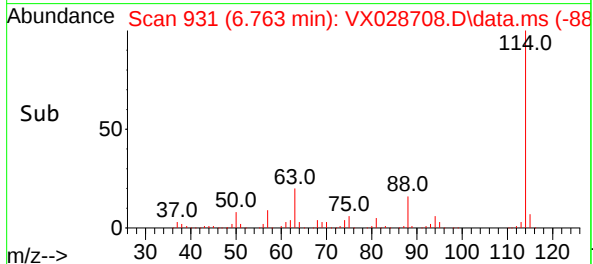
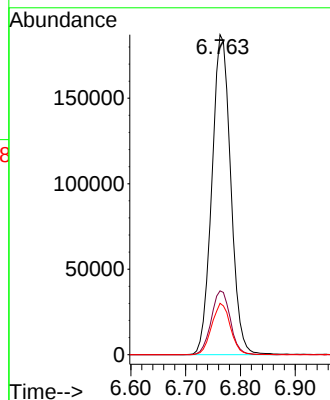
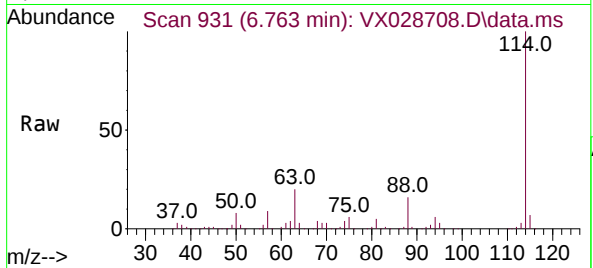




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

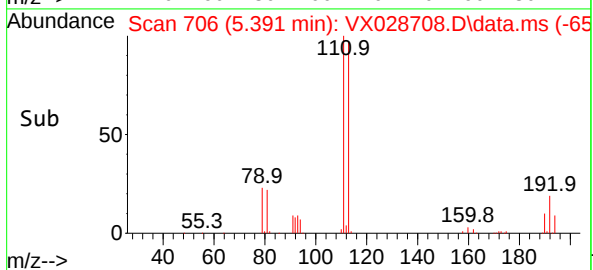
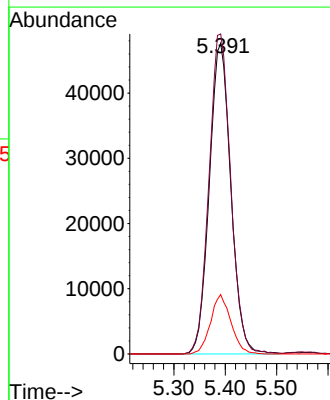
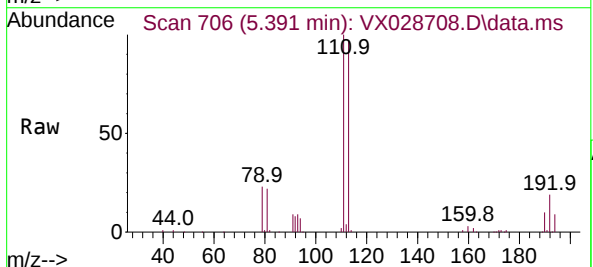
Instrument :
MSVOA_X
ClientSampleId :
COM-1

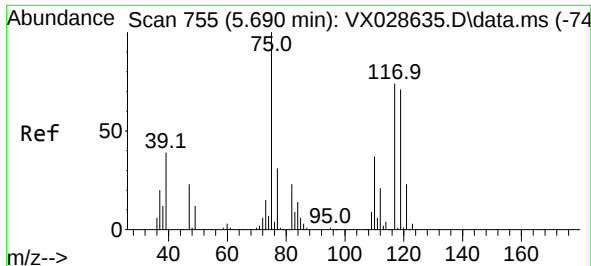
Tgt Ion:114 Resp: 446309
Ion Ratio Lower Upper
114 100
63 20.0 0.0 36.8
88 16.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 47.289 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion:113 Resp: 138279
Ion Ratio Lower Upper
113 100
111 104.1 82.8 124.2
192 18.2 16.9 25.3

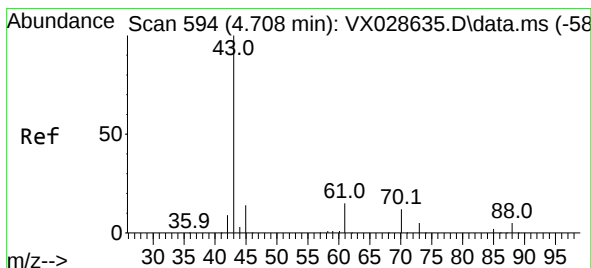
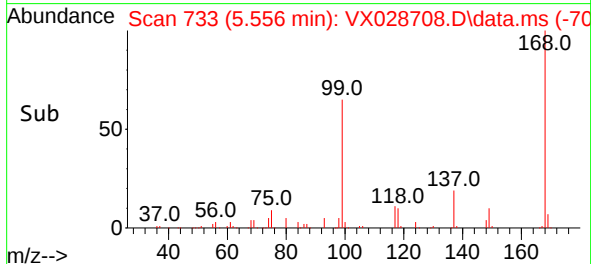
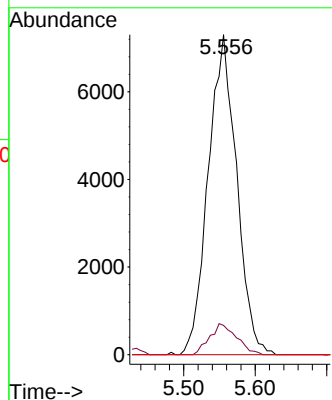
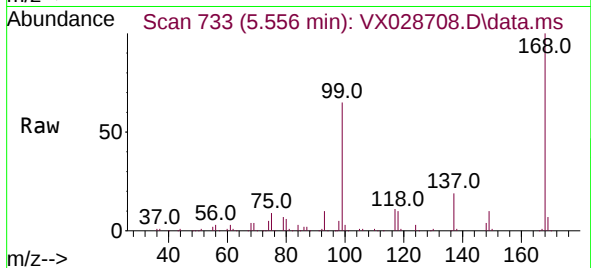




#36
1,1-Dichloropropene
Concen: 4.585 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

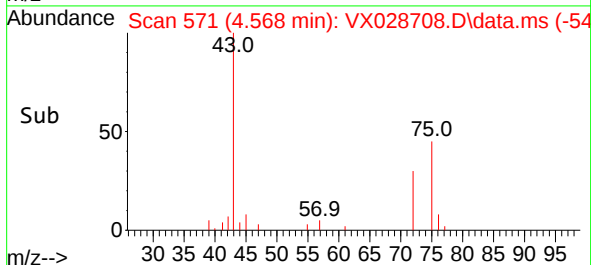
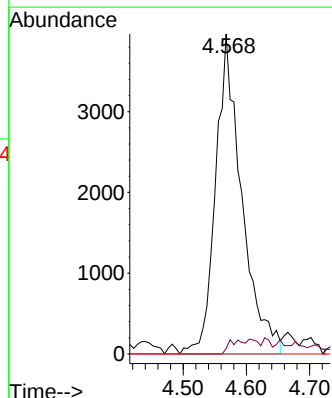
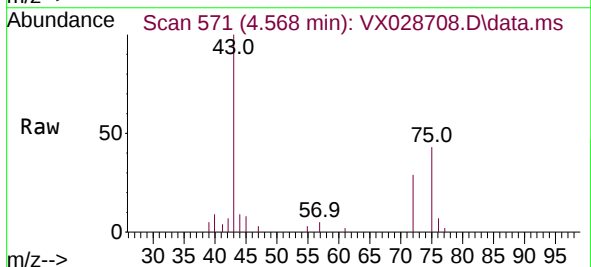
Instrument :
MSVOA_X
ClientSampleId :
COM-1

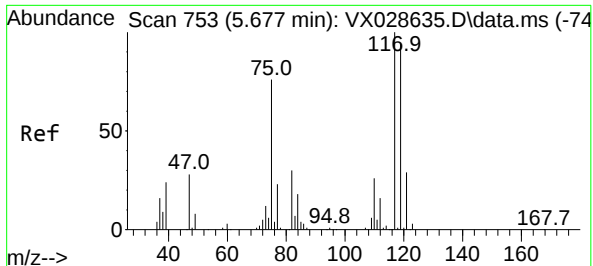
Tgt Ion: 75 Resp: 20136
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 2.468 ug/l
RT: 4.568 min Scan# 571
Delta R.T. -0.140 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

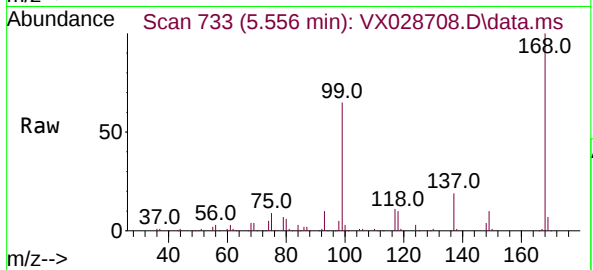
Tgt Ion: 43 Resp: 11323
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 10.2 15.2#



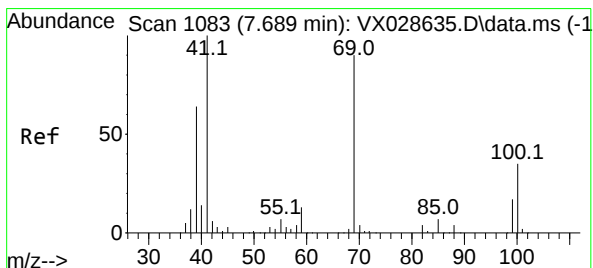
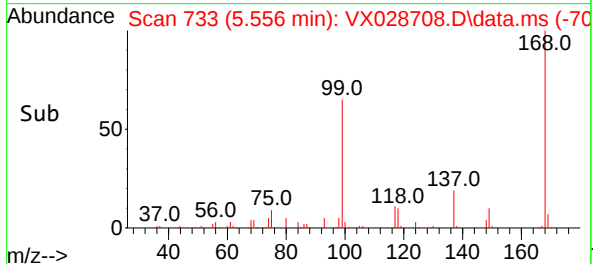
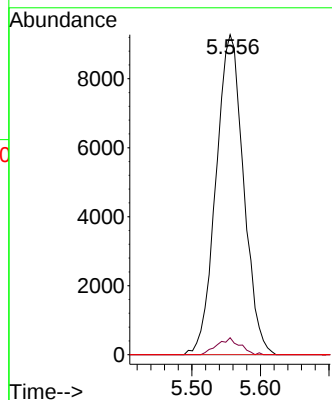


#38
Carbon Tetrachloride
Concen: 5.872 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Instrument :
MSVOA_X
ClientSampleId :
COM-1

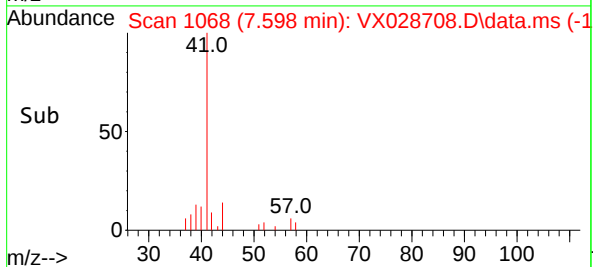
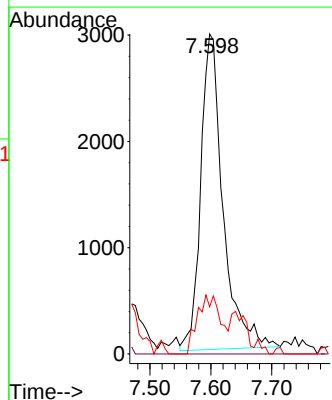
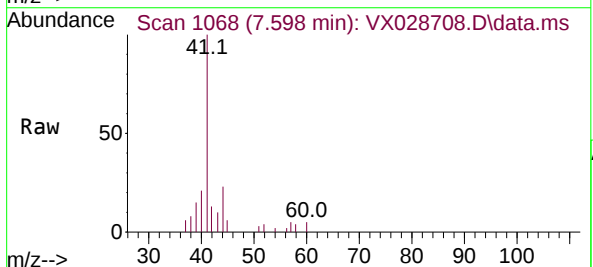


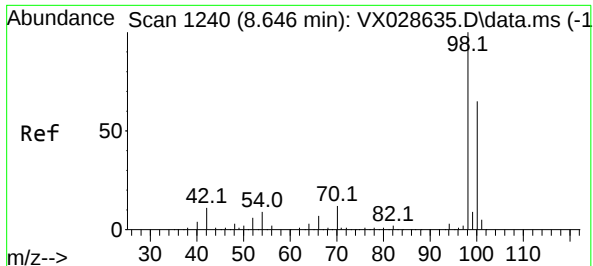
Tgt Ion:117 Resp: 25954
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#



#48
Methyl methacrylate
Concen: 2.174 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion: 41 Resp: 7536
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 19.5 43.8 65.8#

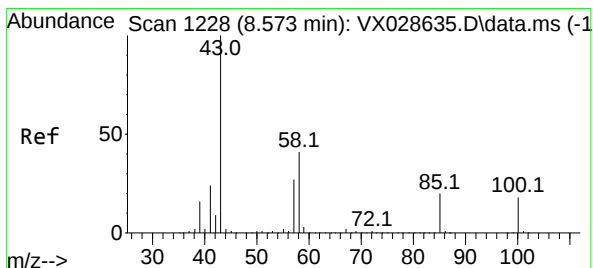
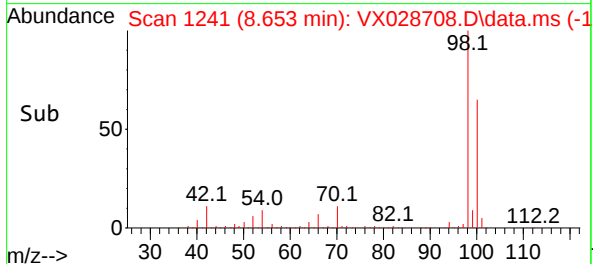
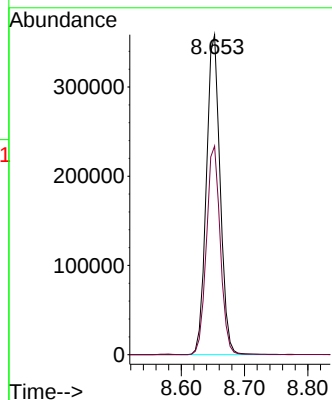
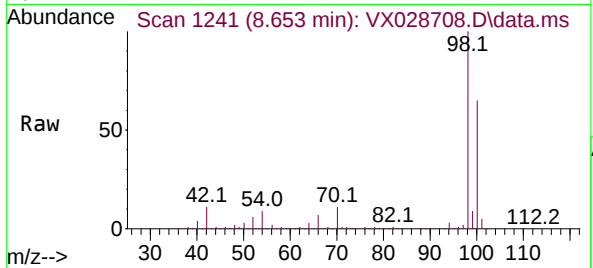




#50
Toluene-d8
Concen: 49.336 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

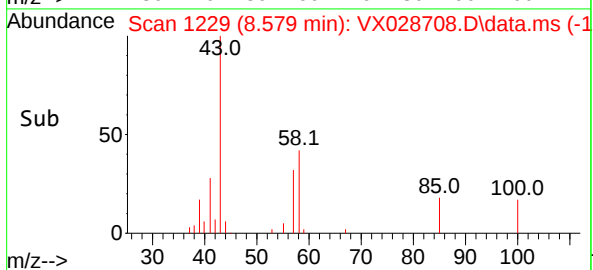
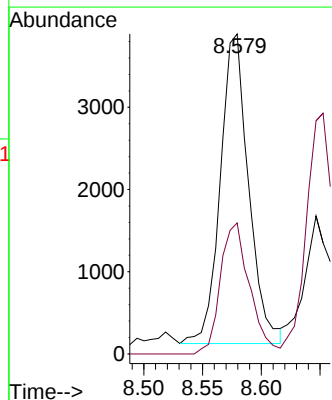
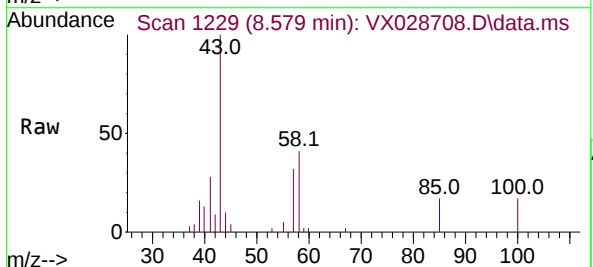
Instrument :
MSVOA_X
ClientSampleId :
COM-1

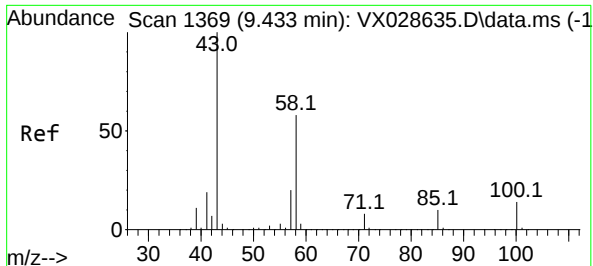
Tgt Ion: 98 Resp: 543911
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.339 ug/l
RT: 8.579 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion: 43 Resp: 6330
Ion Ratio Lower Upper
43 100
58 43.4 36.1 54.1





#59

2-Hexanone

Concen: 0.773 ug/l

RT: 9.439 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX028708.D

Acq: 14 May 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

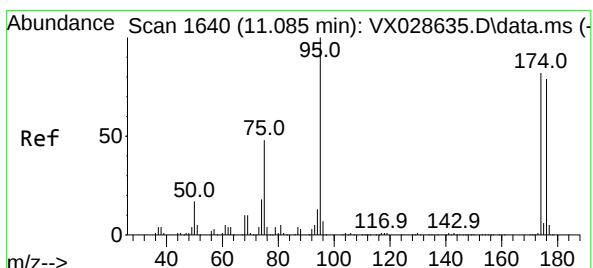
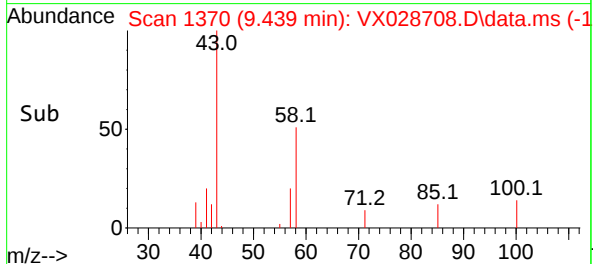
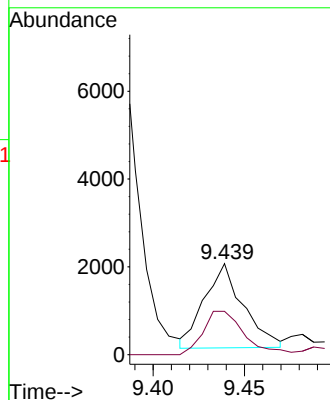
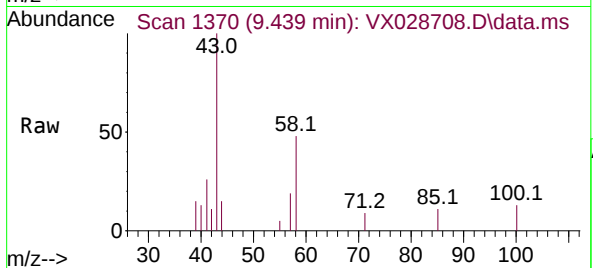
COM-1

Tgt Ion: 43 Resp: 2840

Ion Ratio Lower Upper

43 100

58 54.5 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 48.574 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028708.D

Acq: 14 May 2022 03:45

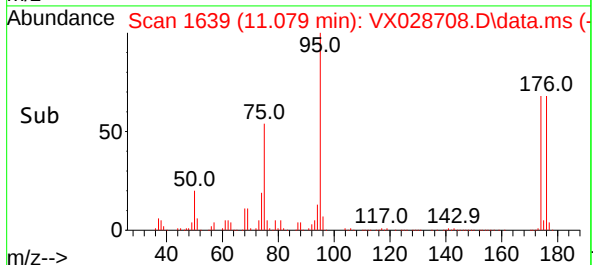
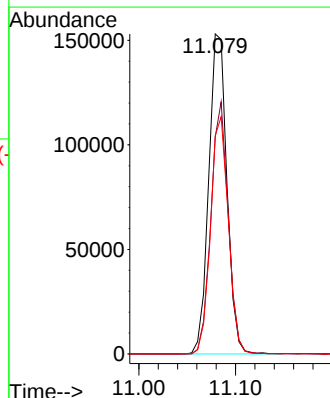
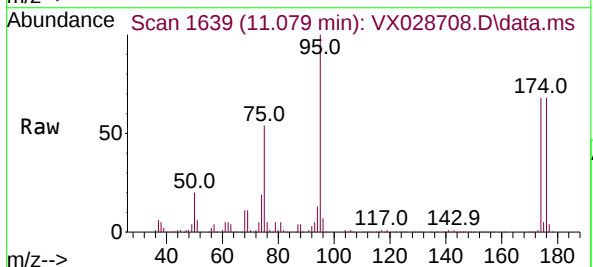
Tgt Ion: 95 Resp: 200018

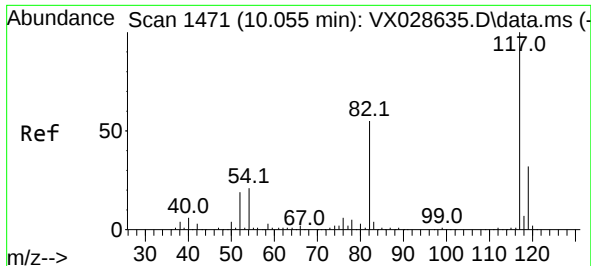
Ion Ratio Lower Upper

95 100

174 74.9 0.0 163.0

176 72.6 0.0 155.0

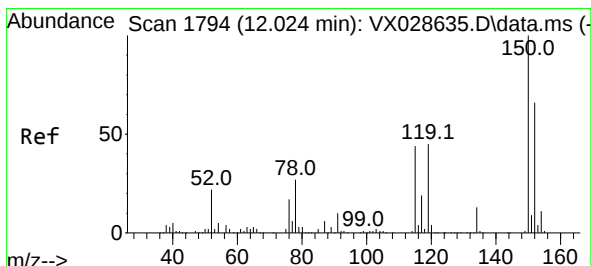
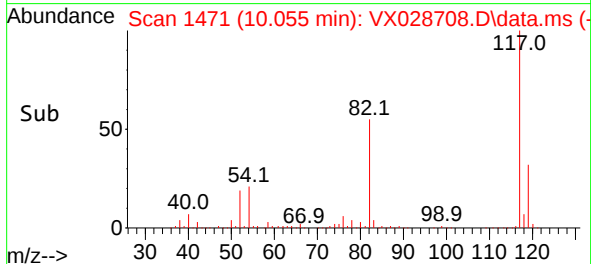
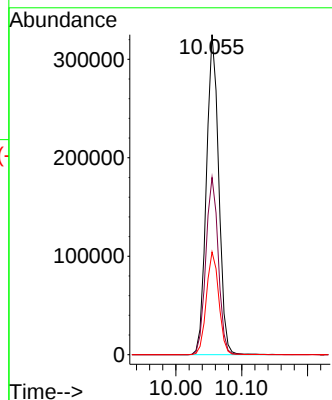
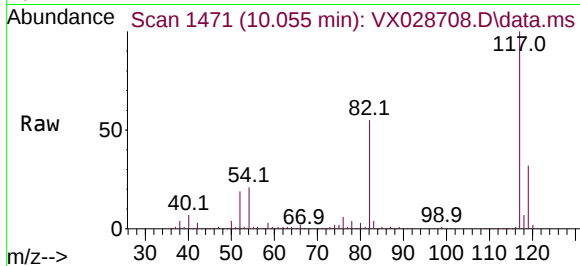




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

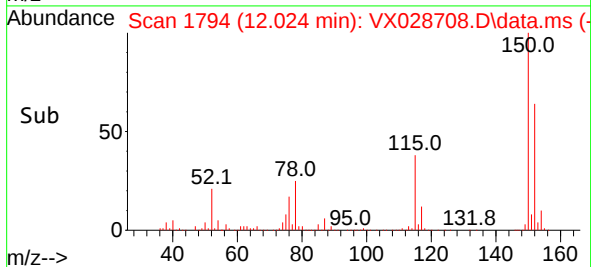
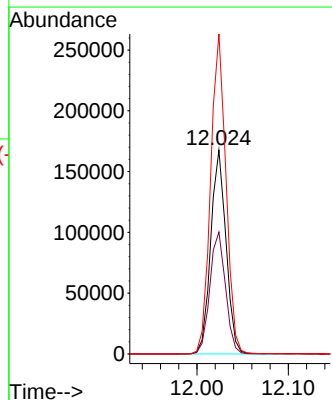
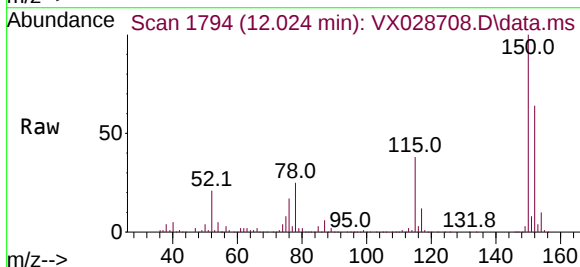
Instrument :
MSVOA_X
ClientSampleId :
COM-1

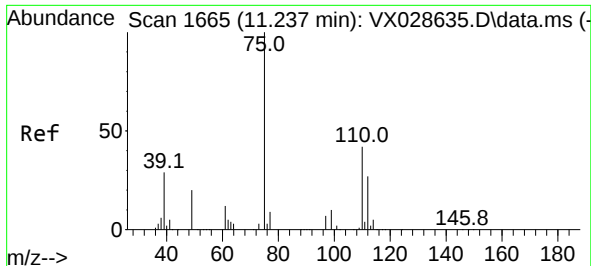
Tgt Ion:117 Resp: 424444
Ion Ratio Lower Upper
117 100
82 55.4 41.8 62.8
119 32.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion:152 Resp: 194739
Ion Ratio Lower Upper
152 100
115 61.2 37.5 112.7
150 156.9 0.0 338.2

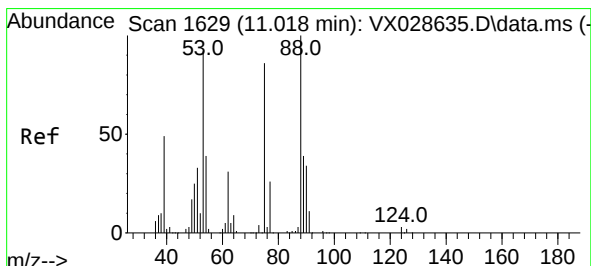
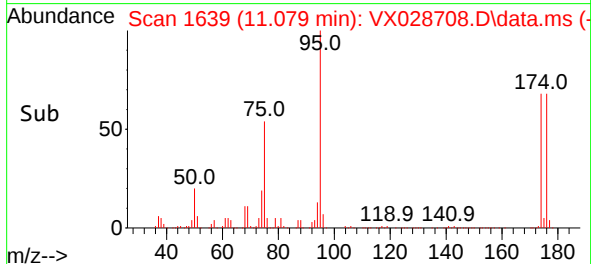
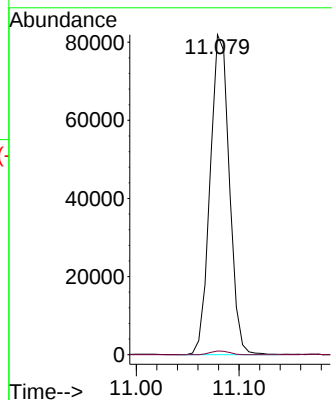
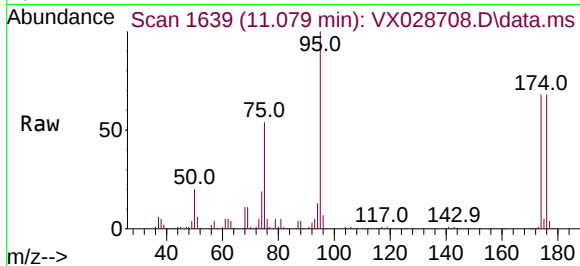




#76
1,2,3-Trichloropropane
Concen: 23.341 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

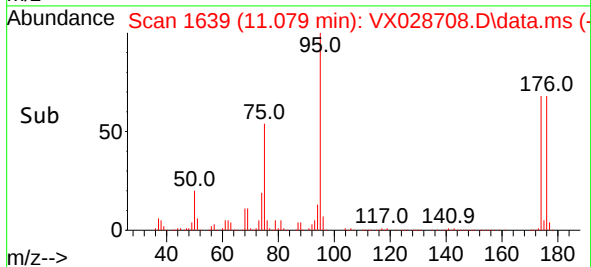
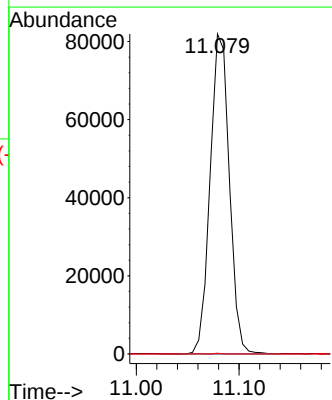
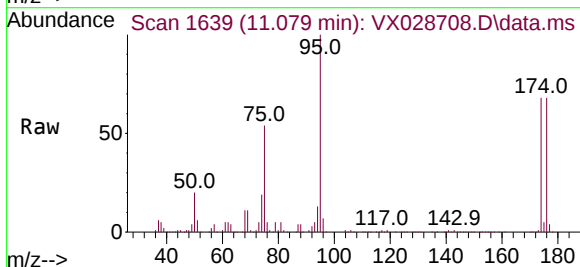
Instrument :
MSVOA_X
ClientSampleId :
COM-1

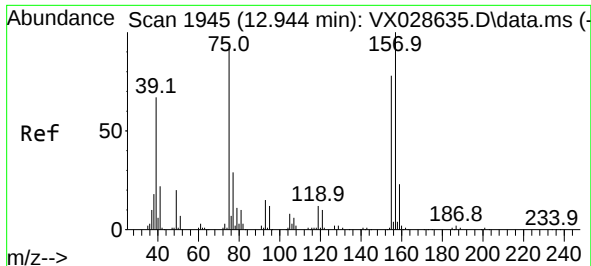
Tgt Ion: 75 Resp: 106450
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.113 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028708.D
Acq: 14 May 2022 03:45

Tgt Ion: 75 Resp: 106450
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.226 ug/l

RT: 12.804 min Scan# 1945

Delta R.T. -0.140 min

Lab File: VX028708.D

Acq: 14 May 2022 03:45

Instrument :

MSVOA_X

ClientSampleId :

COM-1

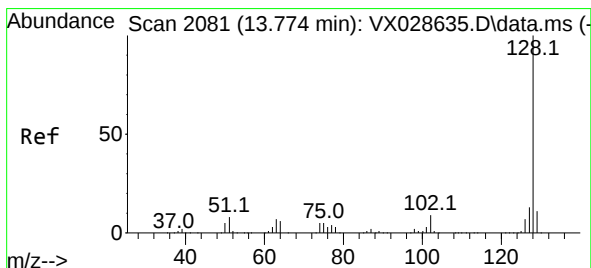
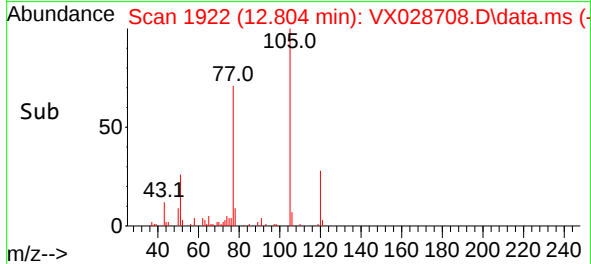
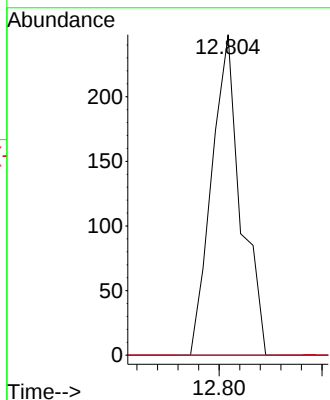
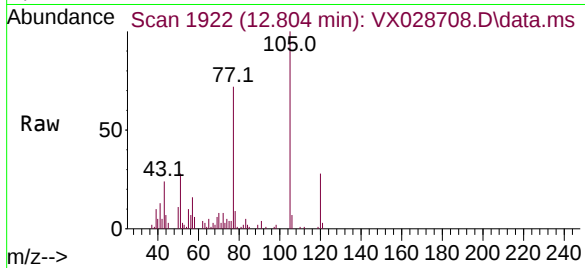
Tgt Ion: 75 Resp: 244

Ion Ratio Lower Upper

75 100

155 0.0 47.0 141.2#

157 0.0 57.9 173.6#



#95

Naphthalene

Concen: 1.068 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX028708.D

Acq: 14 May 2022 03:45

Tgt Ion: 128 Resp: 14775

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 11.6 8.7 13.1

