

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029062.D
 Acq On : 28 May 2022 07:09
 Operator : JC/MD
 Sample : N3041-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 2147

Quant Time: May 28 08:40:40 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)

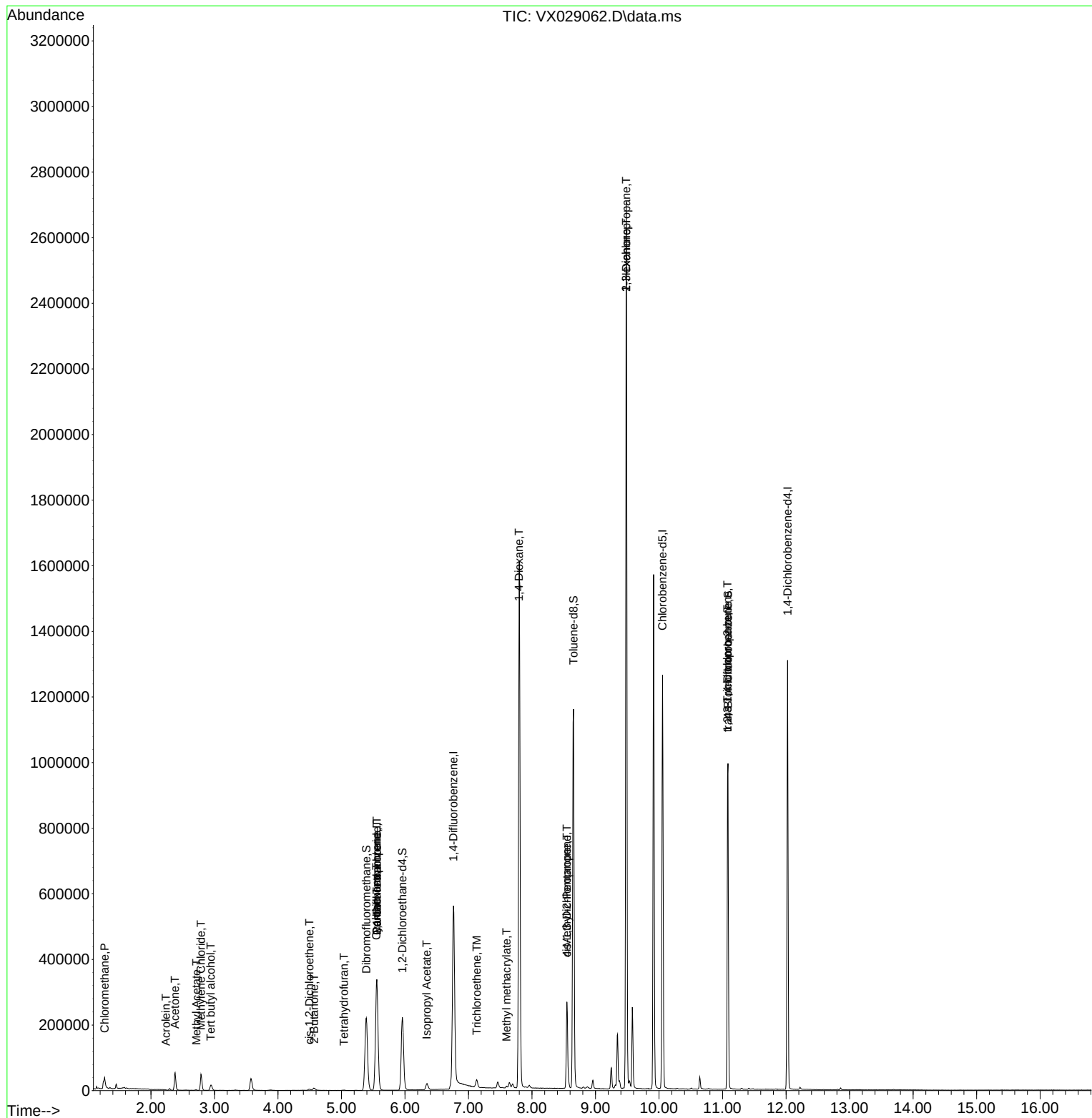
Internal Standards						
1) Pentafluorobenzene	5.556	168	317481	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	577188	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	559858	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	265751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	216408	49.727	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	99.460%
35) Dibromofluoromethane	5.391	113	198422	52.470	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	104.940%
50) Toluene-d8	8.653	98	709649	49.774	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.540%
62) 4-Bromofluorobenzene	11.085	95	280595	52.691	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.380%
Target Compounds						
					Qvalue	
3) Chloromethane	1.270	50	1049	0.268	ug/l #	42
5) Bromomethane	1.611	94	941	Below Cal		84
6) Chloroethane	1.660	64	309	Below Cal	#	43
11) Tert butyl alcohol	2.940	59	10408	3.399	ug/l #	72
13) Acrolein	2.233	56	203	0.284	ug/l #	78
16) Acetone	2.380	43	57356	30.709	ug/l	99
18) Methyl Acetate	2.715	43	2572	0.550	ug/l #	78
20) Methylene Chloride	2.788	84	21672	5.531	ug/l	96
25) 2-Butanone	4.568	43	8660	2.954	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	2418	0.559	ug/l	84
29) Tetrahydrofuran	5.038	42	943	0.495	ug/l #	61
31) Cyclohexane	5.550	56	5779	0.957	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	23722	4.176	ug/l #	50
38) Carbon Tetrachloride	5.556	117	32755	5.730	ug/l #	15
43) Isopropyl Acetate	6.342	43	25594	2.758	ug/l	97
44) Trichloroethene	7.129	130	9451	2.135	ug/l	89
48) Methyl methacrylate	7.598	41	7548	1.683	ug/l #	7
49) 1,4-Dioxane	7.793	88	340	3.036	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	89410	14.625	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	45648	7.184	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	24430	3.383	ug/l #	43
59) 2-Hexanone	9.482	43	292570	61.597	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	135340	21.746	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	135340	63.723	ug/l #	15

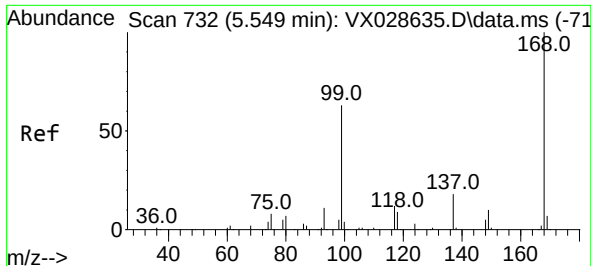
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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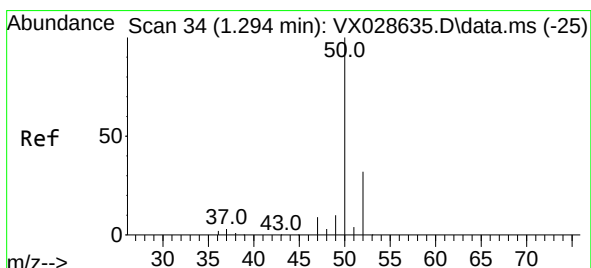
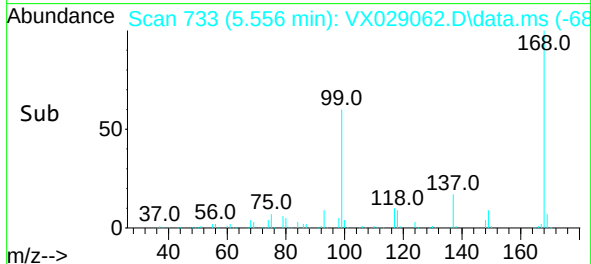
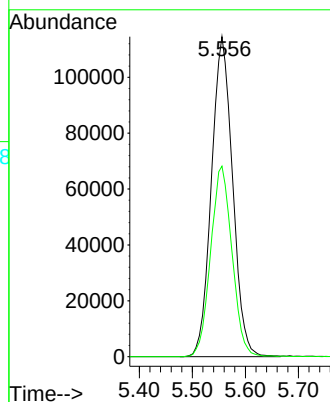
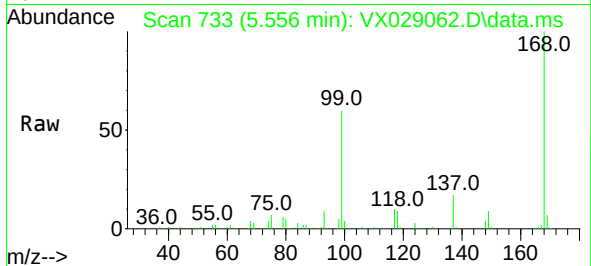




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

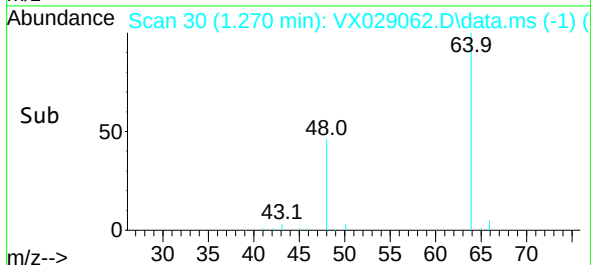
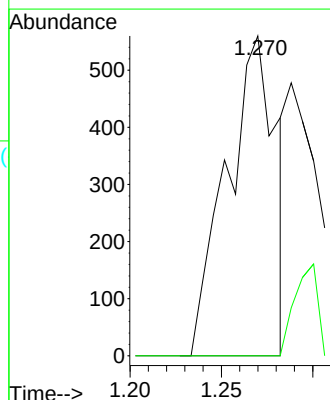
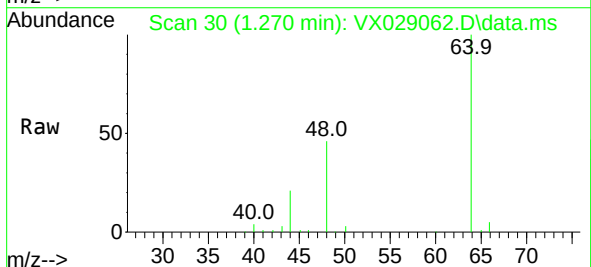
Instrument :
MSVOA_X
ClientSampleId :
2147

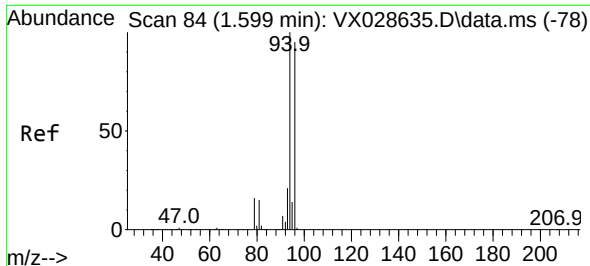
Tgt Ion:168 Resp: 317481
Ion Ratio Lower Upper
168 100
99 59.5 41.7 62.5



#3
Chloromethane
Concen: 0.268 ug/l
RT: 1.270 min Scan# 30
Delta R.T. -0.024 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion: 50 Resp: 1049
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

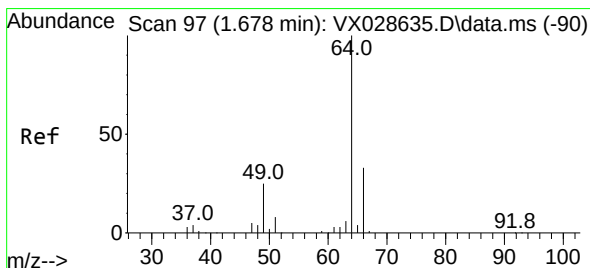
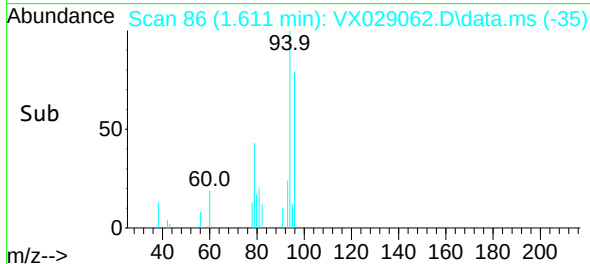
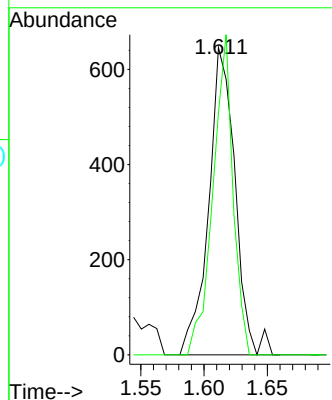
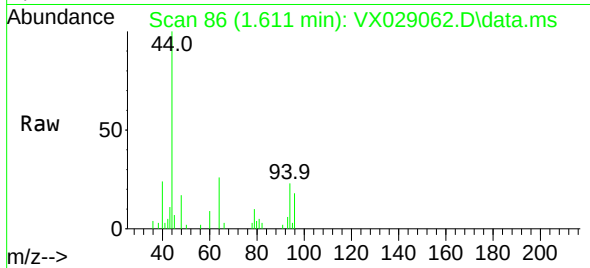




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

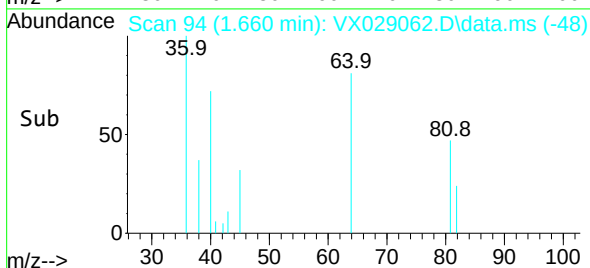
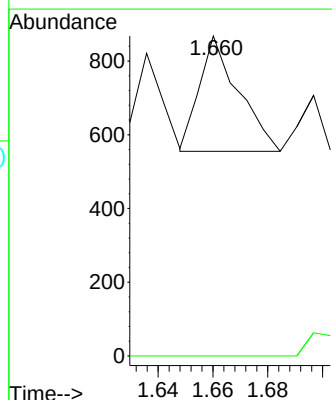
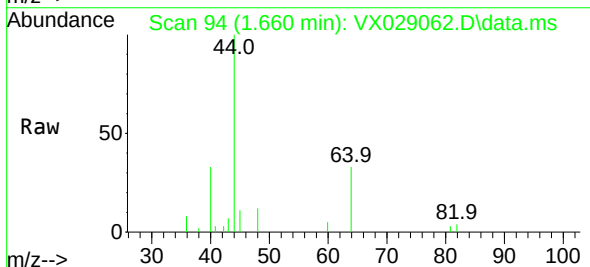
Instrument :
MSVOA_X
ClientSampleId :
2147

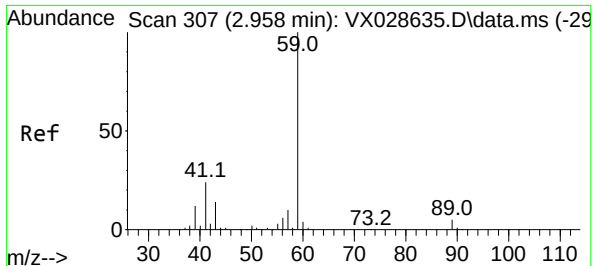
Tgt Ion: 94 Resp: 941
Ion Ratio Lower Upper
94 100
96 78.8 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion: 64 Resp: 309
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#11

Tert butyl alcohol

Concen: 3.399 ug/l

RT: 2.940 min Scan# 307

Delta R.T. -0.018 min

Lab File: VX029062.D

Acq: 28 May 2022 07:09

Instrument :

MSVOA_X

ClientSampleId :

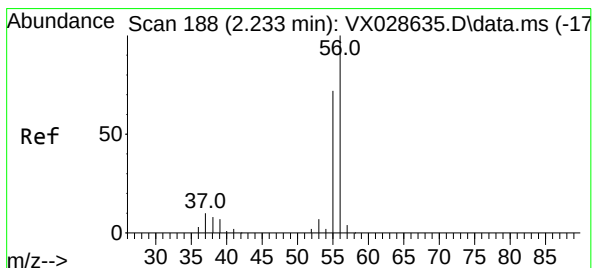
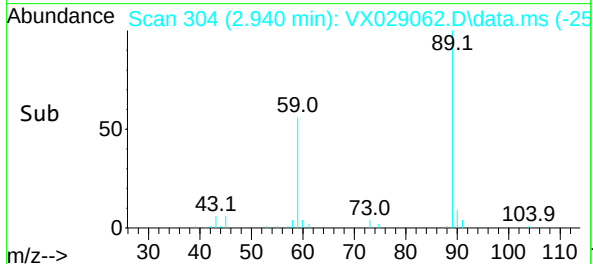
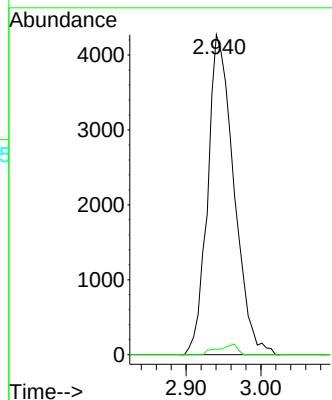
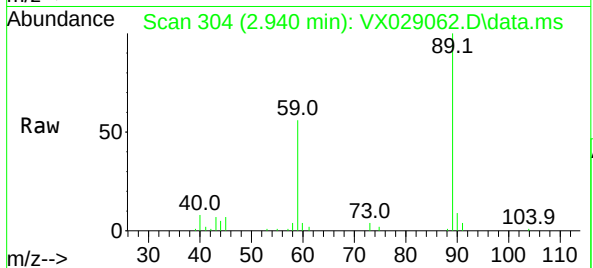
2147

Tgt Ion: 59 Resp: 10408

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.284 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX029062.D

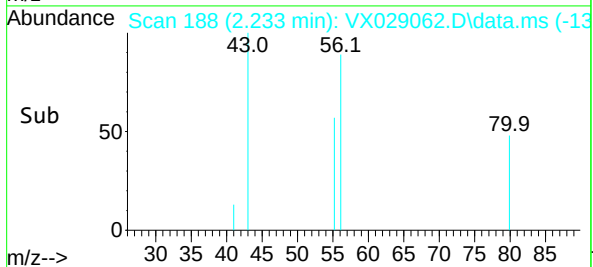
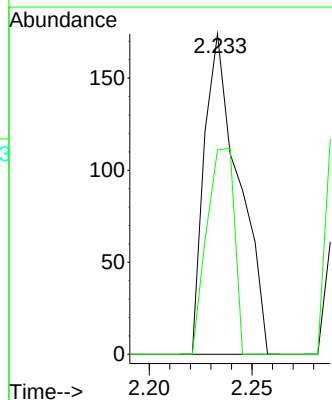
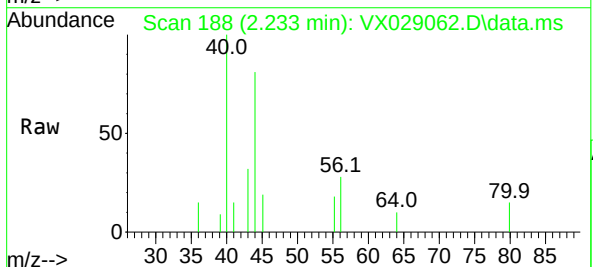
Acq: 28 May 2022 07:09

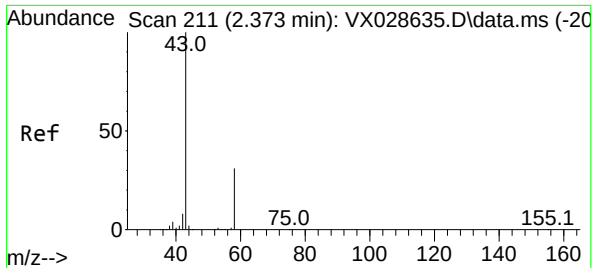
Tgt Ion: 56 Resp: 203

Ion Ratio Lower Upper

56 100

55 51.2 55.0 82.6#

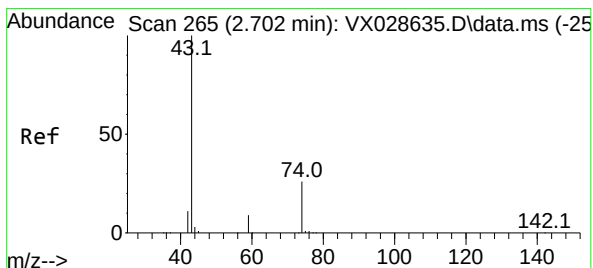
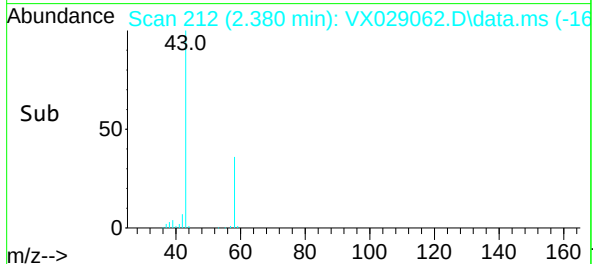
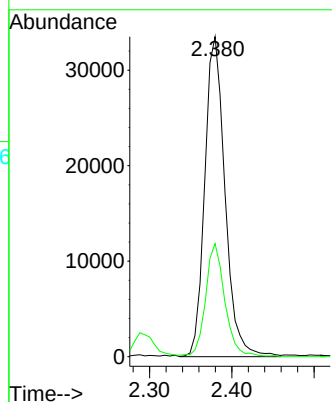
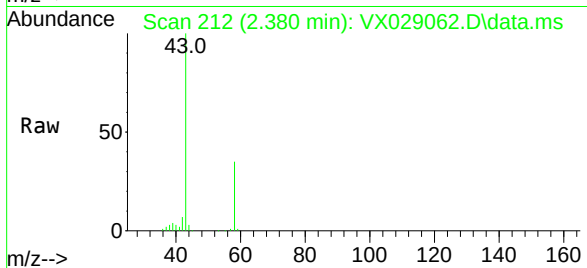




#16
Acetone
Concen: 30.709 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

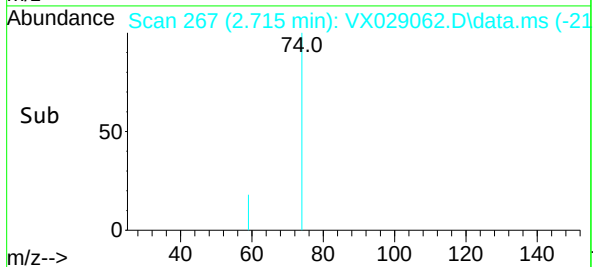
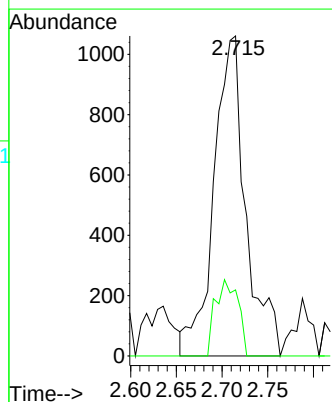
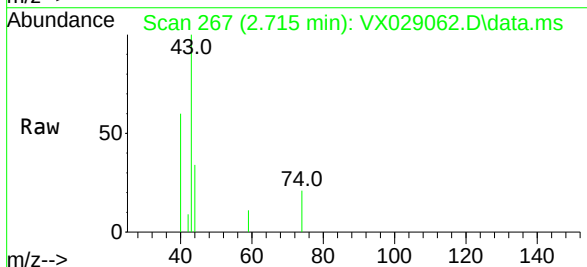
Instrument :
MSVOA_X
ClientSampleId :
2147

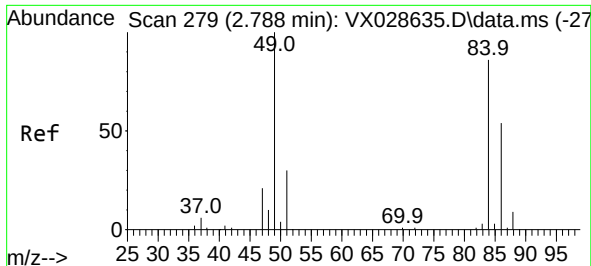
Tgt Ion: 43 Resp: 57356
Ion Ratio Lower Upper
43 100
58 35.3 28.8 43.2



#18
Methyl Acetate
Concen: 0.550 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.013 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion: 43 Resp: 2572
Ion Ratio Lower Upper
43 100
74 17.0 22.8 34.2#

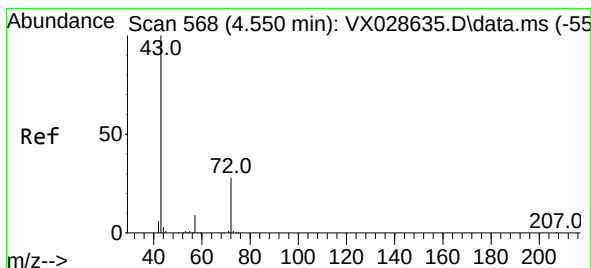
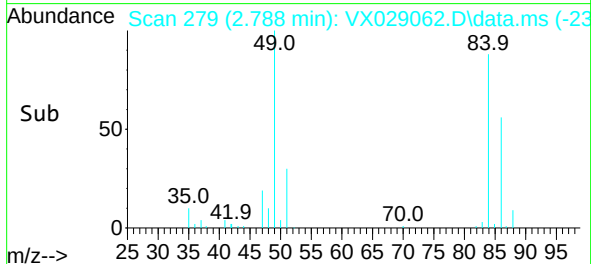
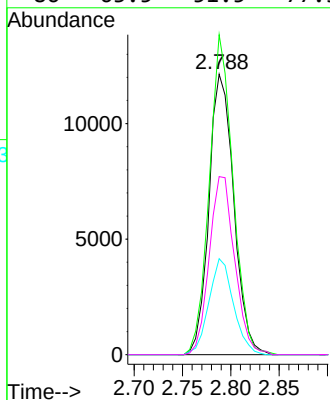
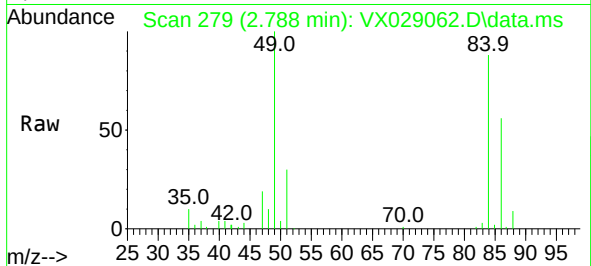




#20
Methylene Chloride
Concen: 5.531 ug/l
RT: 2.788 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

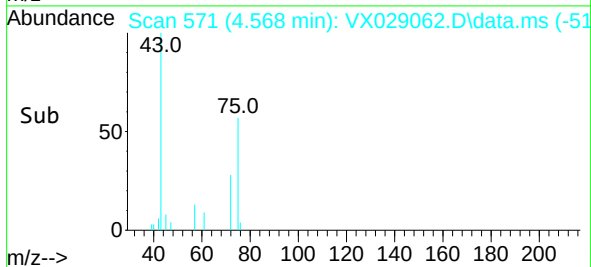
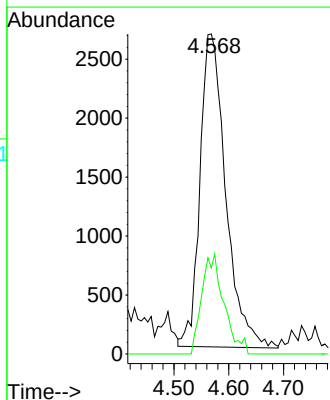
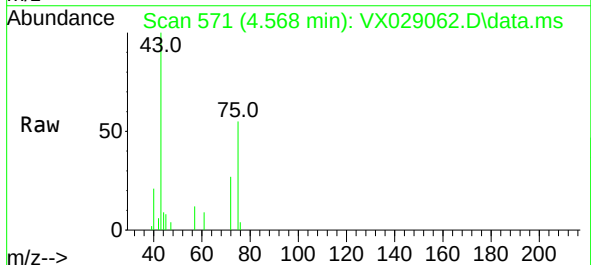
Instrument :
MSVOA_X
ClientSampleId :
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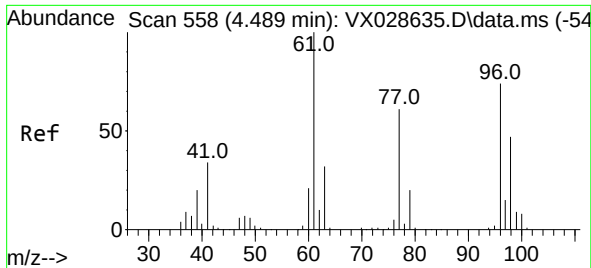
Tgt Ion:	84	Resp:	21672
Ion	Ratio	Lower	Upper
84	100		
49	114.1	85.5	128.3
51	34.3	26.6	39.8
86	63.5	51.5	77.3



#25
2-Butanone
Concen: 2.954 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion:	43	Resp:	8660
Ion	Ratio	Lower	Upper
43	100		
72	27.5	24.4	36.6





#27

cis-1,2-Dichloroethene

Concen: 0.559 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029062.D

Acq: 28 May 2022 07:09

Instrument :

MSVOA_X

ClientSampleId :

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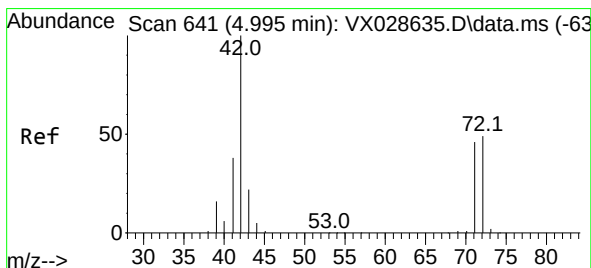
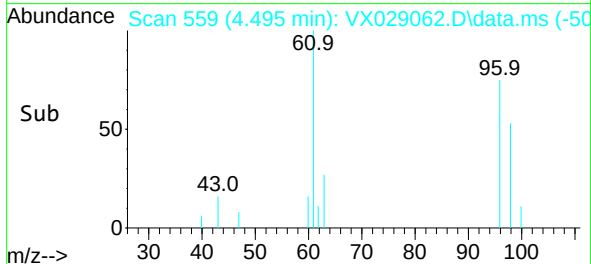
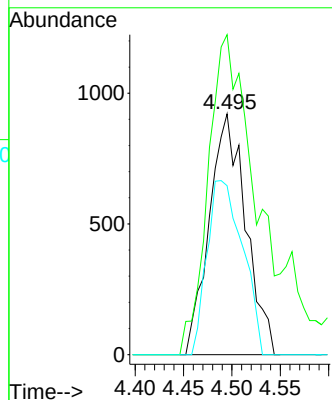
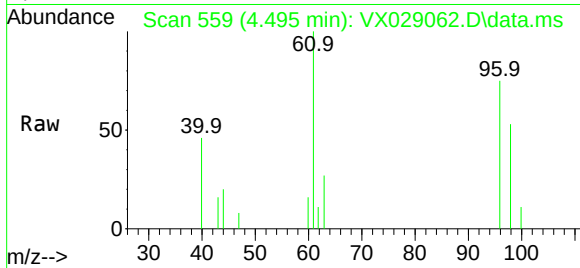
Tgt Ion: 96 Resp: 2418

Ion Ratio Lower Upper

96 100

61 166.5 0.0 283.8

98 70.7 0.0 129.8



#29

Tetrahydrofuran

Concen: 0.495 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.043 min

Lab File: VX029062.D

Acq: 28 May 2022 07:09

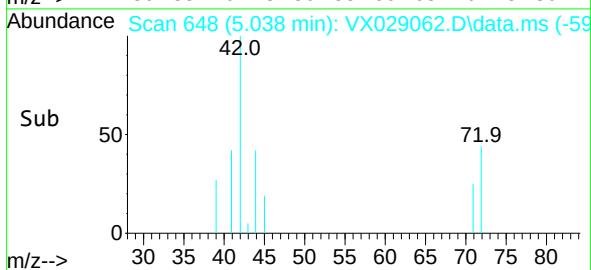
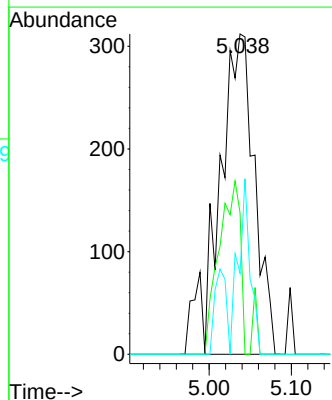
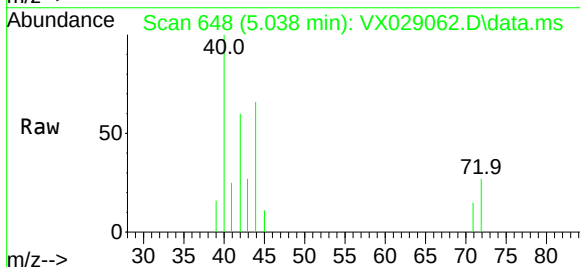
Tgt Ion: 42 Resp: 943

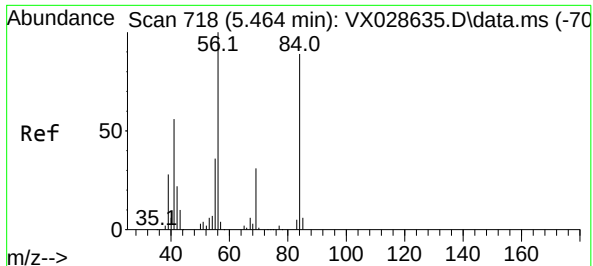
Ion Ratio Lower Upper

42 100

72 32.3 44.1 66.1#

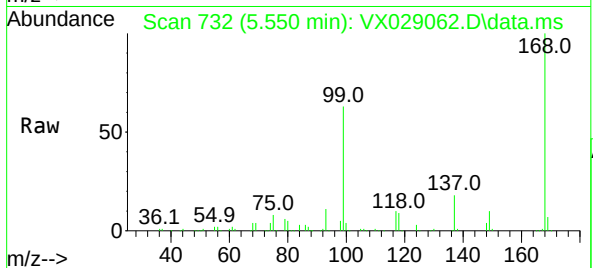
71 18.5 40.5 60.7#



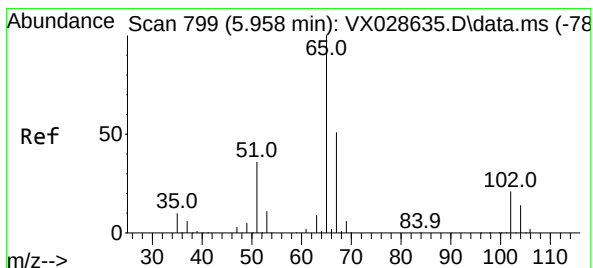
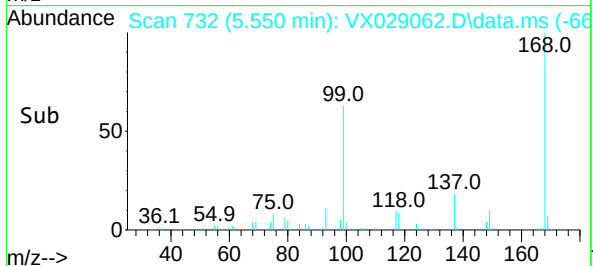
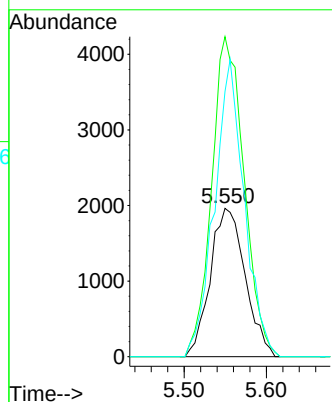


#31
Cyclohexane
Concen: 0.957 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.086 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Instrument :
MSVOA_X
ClientSampleId :
2147

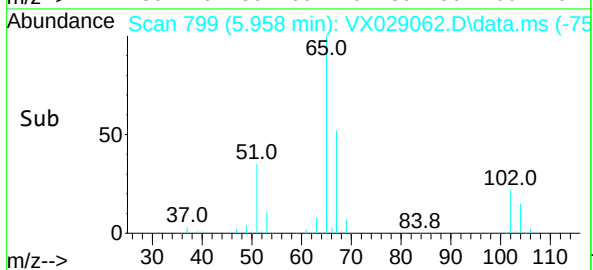
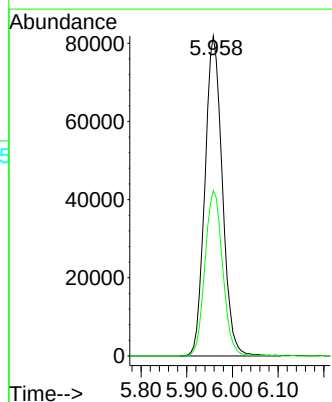
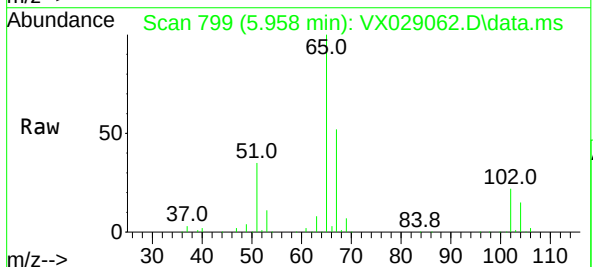


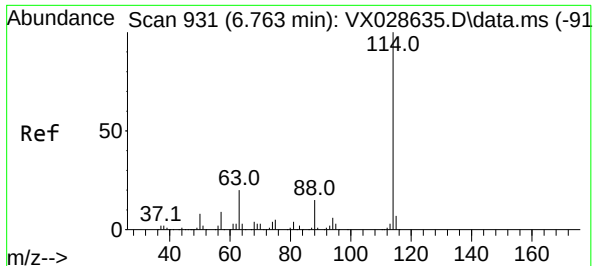
Tgt Ion: 56 Resp: 5779
Ion Ratio Lower Upper
56 100
69 215.7 26.7 40.1#
84 178.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 49.727 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion: 65 Resp: 216408
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

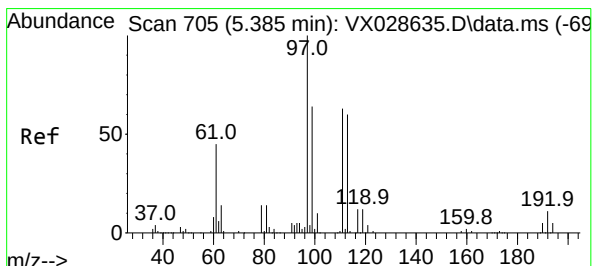
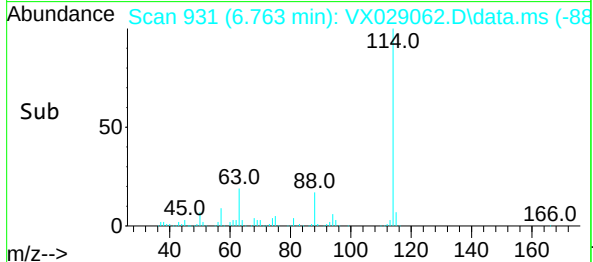
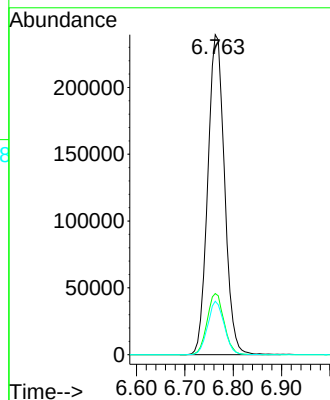
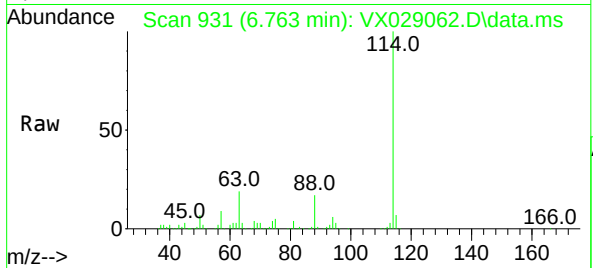




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

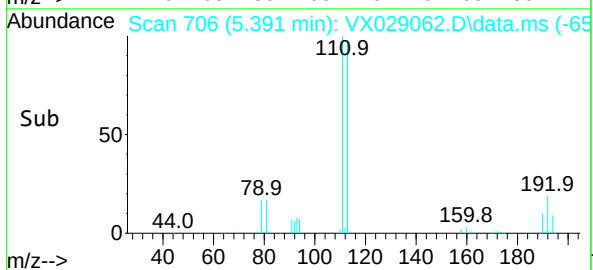
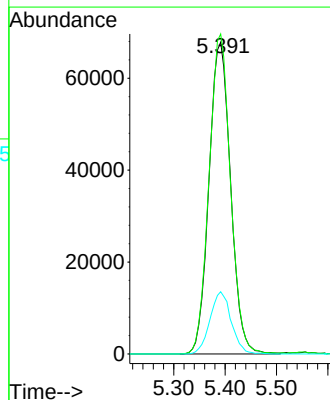
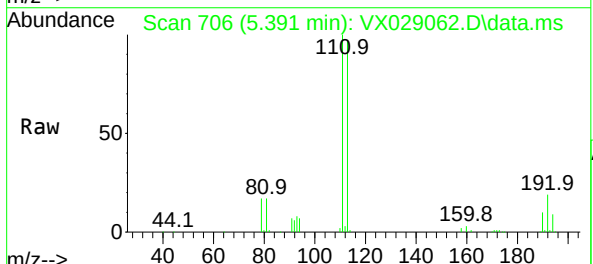
Instrument :
MSVOA_X
ClientSampleId :
2147

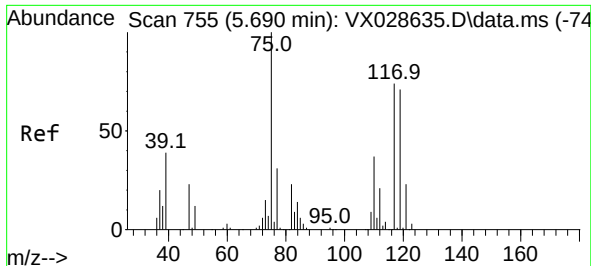
Tgt Ion:114 Resp: 577188
Ion Ratio Lower Upper
114 100
63 19.1 0.0 36.8
88 16.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 52.470 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion:113 Resp: 198422
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 19.6 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.176 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.134 min

Lab File: VX029062.D

Acq: 28 May 2022 07:09

Instrument :

MSVOA_X

ClientSampleId :

2147

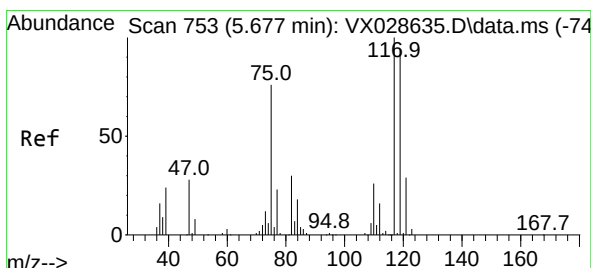
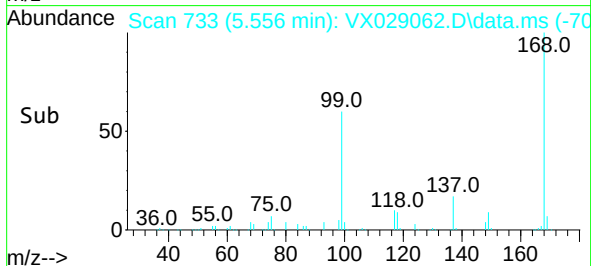
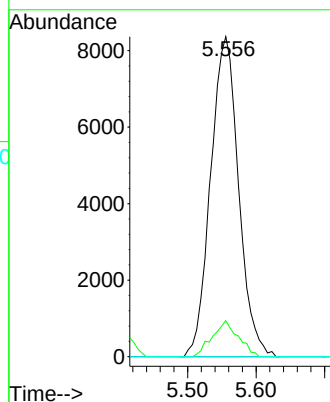
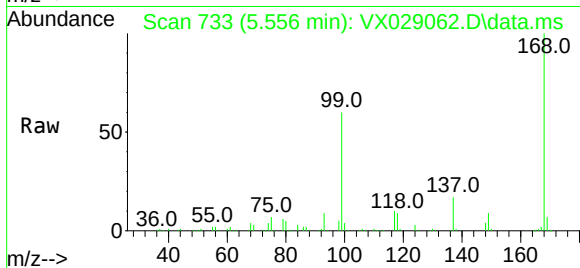
Tgt Ion: 75 Resp: 23722

Ion Ratio Lower Upper

75 100

110 10.5 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.730 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.121 min

Lab File: VX029062.D

Acq: 28 May 2022 07:09

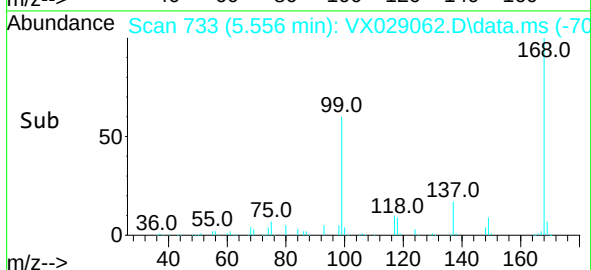
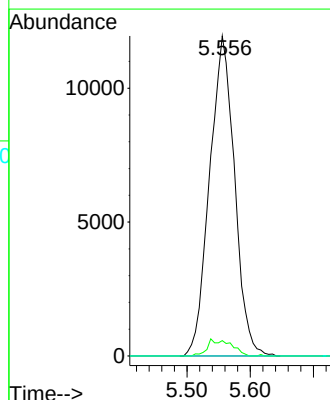
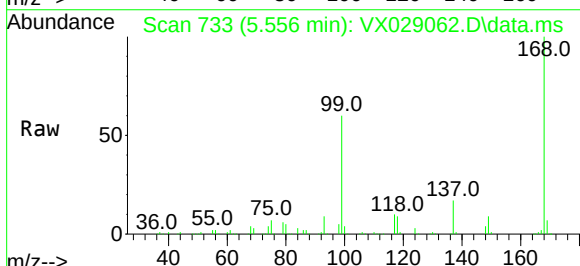
Tgt Ion: 117 Resp: 32755

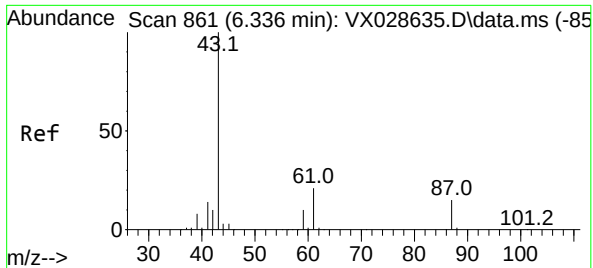
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 24.2 36.2#

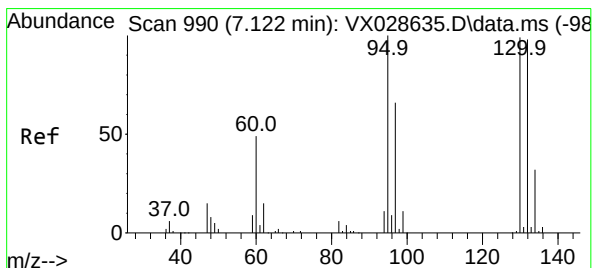
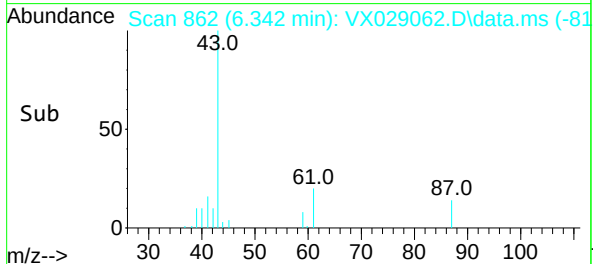
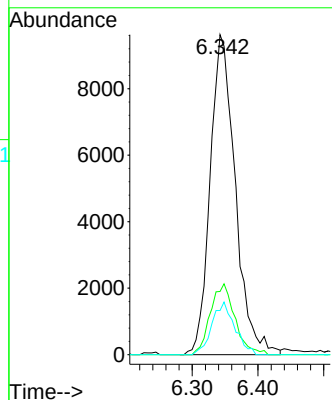
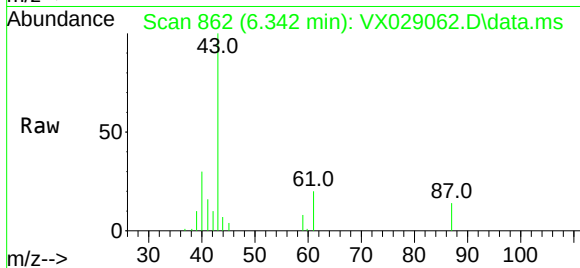




#43
Isopropyl Acetate
Concen: 2.758 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

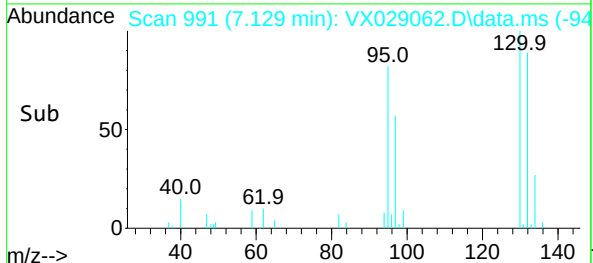
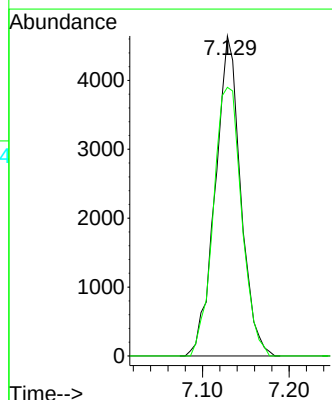
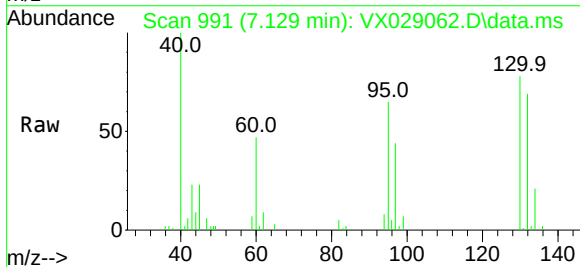
Instrument :
MSVOA_X
ClientSampleId :
2147

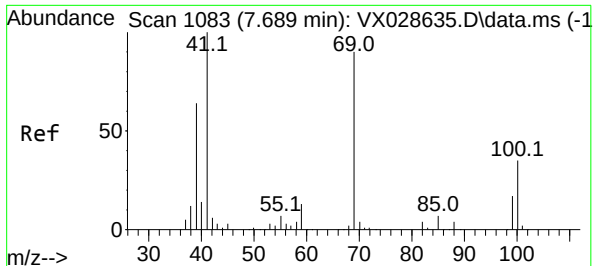
Tgt Ion: 43 Resp: 25594
Ion Ratio Lower Upper
43 100
61 21.7 18.5 27.7
87 15.0 13.0 19.6



#44
Trichloroethene
Concen: 2.135 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.007 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion:130 Resp: 9451
Ion Ratio Lower Upper
130 100
95 84.0 0.0 188.8





#48

Methyl methacrylate

Concen: 1.683 ug/l

RT: 7.598 min Scan# 1100

Delta R.T. -0.091 min

Lab File: VX029062.D

Acq: 28 May 2022 07:09

Instrument :

MSVOA_X

ClientSampleId :

2147

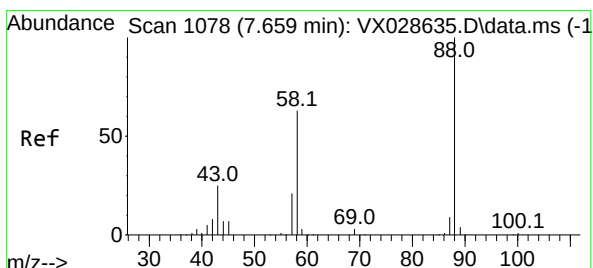
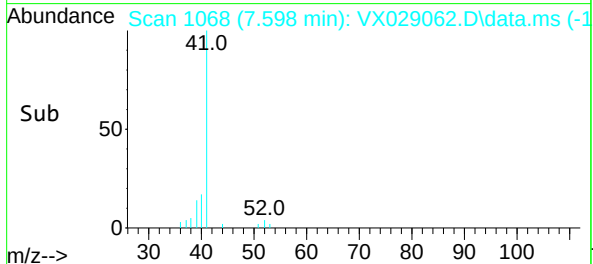
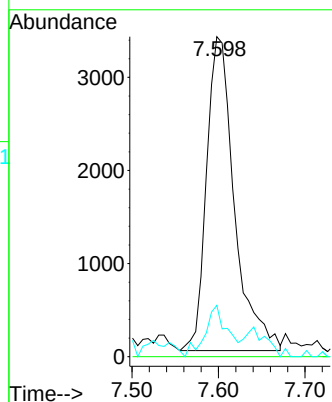
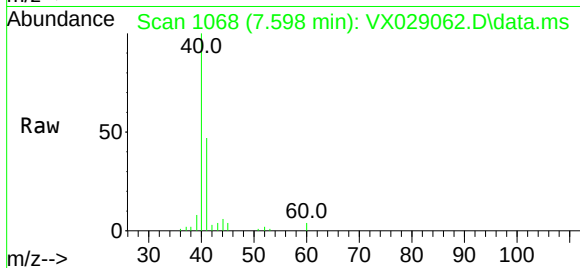
Tgt Ion: 41 Resp: 7548

Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#



#49

1,4-Dioxane

Concen: 3.036 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX029062.D

Acq: 28 May 2022 07:09

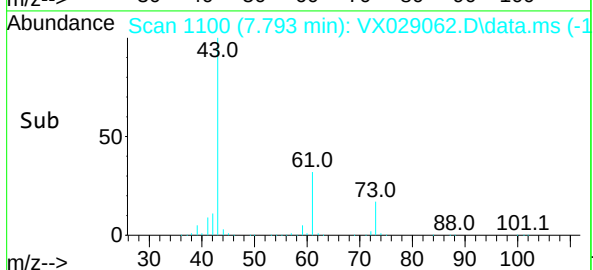
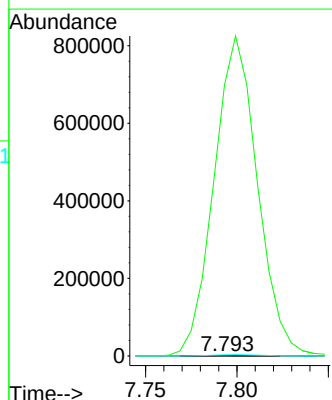
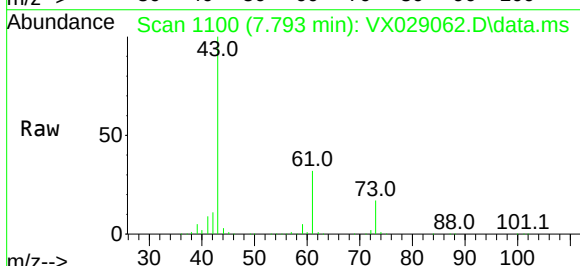
Tgt Ion: 88 Resp: 340

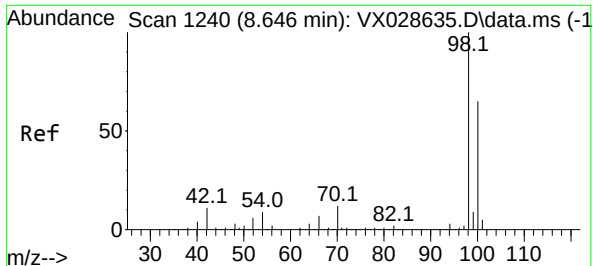
Ion Ratio Lower Upper

88 100

43 404118.8 21.9 32.9#

58 1904.1 53.7 80.5#

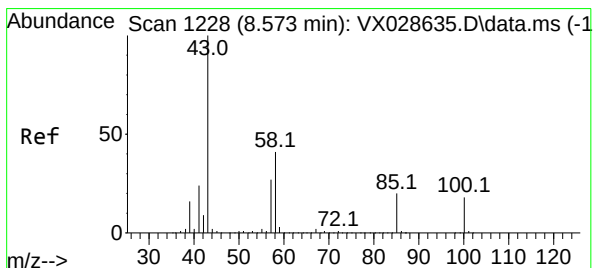
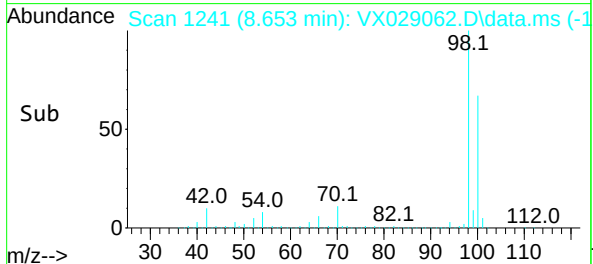
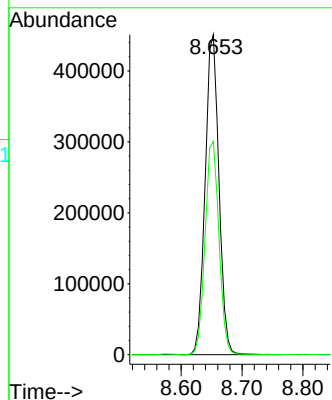
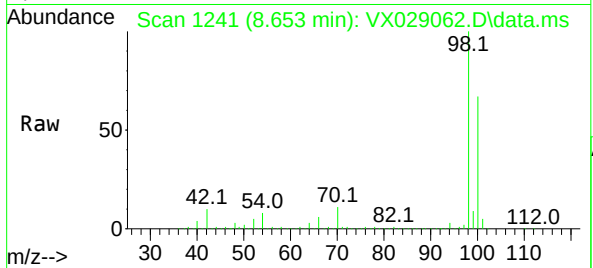




#50
Toluene-d8
Concen: 49.774 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

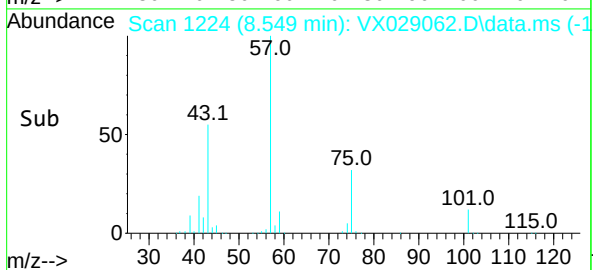
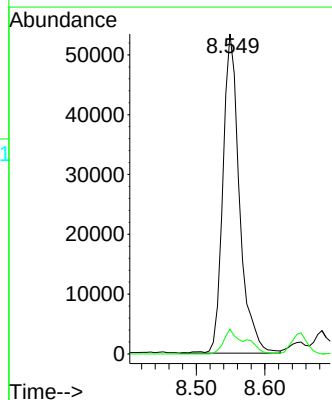
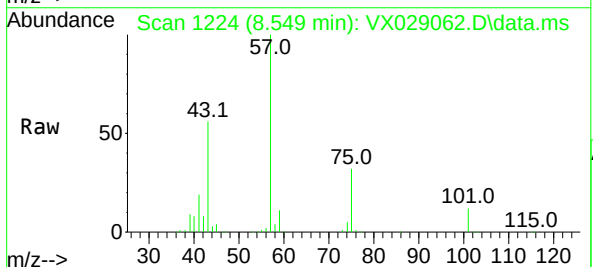
Instrument :
MSVOA_X
ClientSampleId :
2147

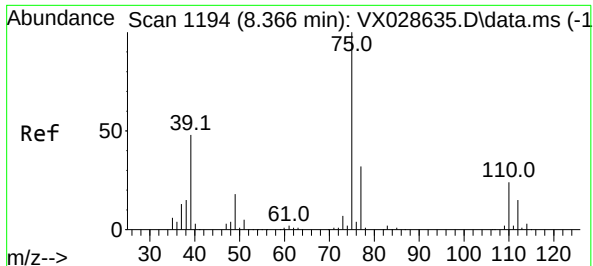
Tgt Ion: 98 Resp: 709649
Ion Ratio Lower Upper
98 100
100 67.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 14.625 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion: 43 Resp: 89410
Ion Ratio Lower Upper
43 100
58 10.0 36.1 54.1#

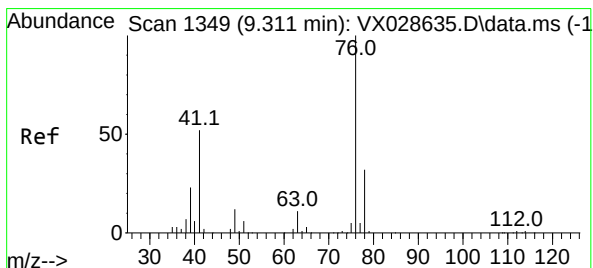
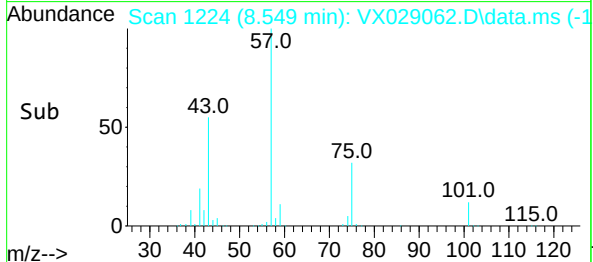
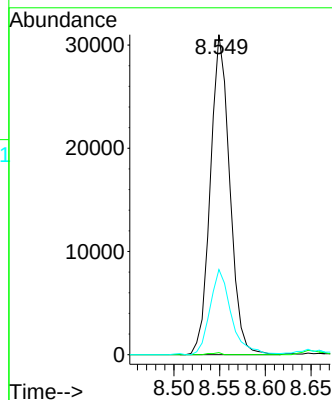
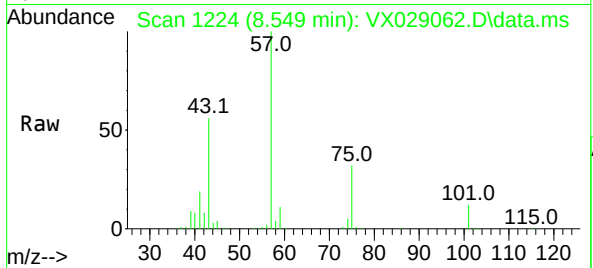




#54
 cis-1,3-Dichloropropene
 Concen: 7.184 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX029062.D
 Acq: 28 May 2022 07:09

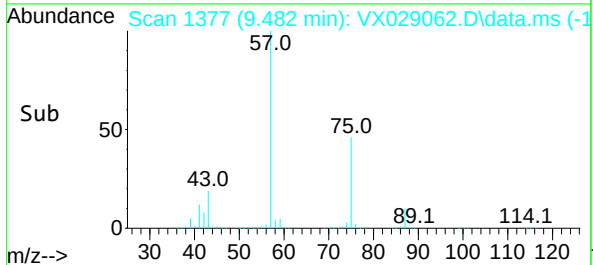
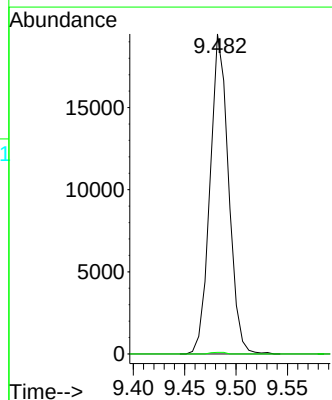
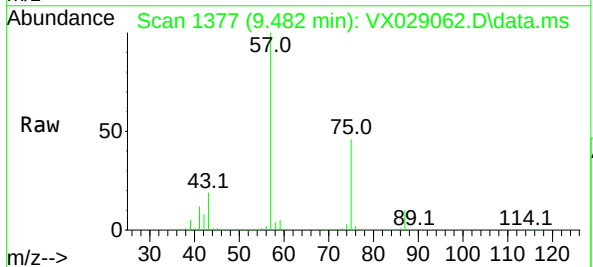
Instrument :
 MSVOA_X
 ClientSampleId :
 2147

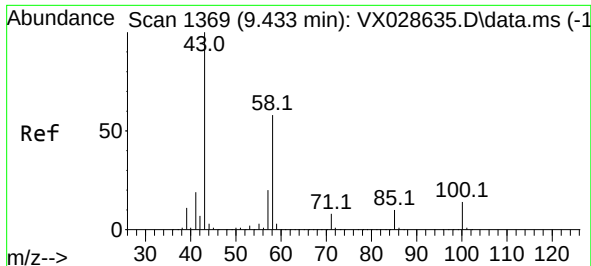
Tgt Ion: 75 Resp: 45648
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 26.3 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 3.383 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX029062.D
 Acq: 28 May 2022 07:09

Tgt Ion: 76 Resp: 24430
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 61.597 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX029062.D

Acq: 28 May 2022 07:09

Instrument :

MSVOA_X

ClientSampleId :

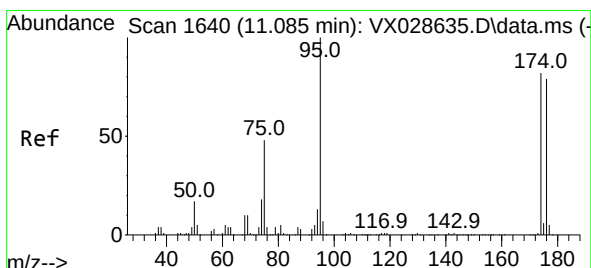
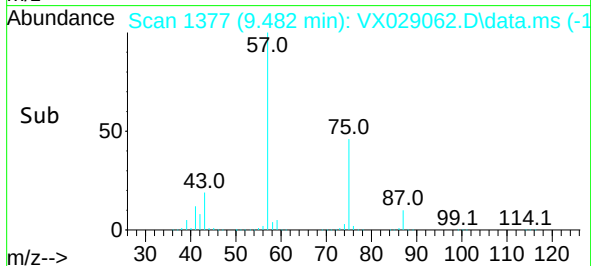
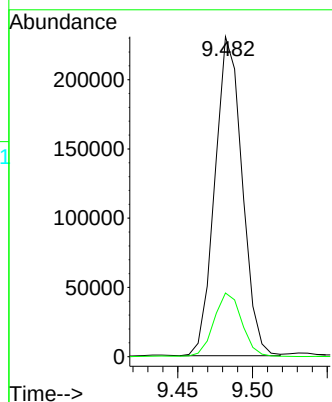
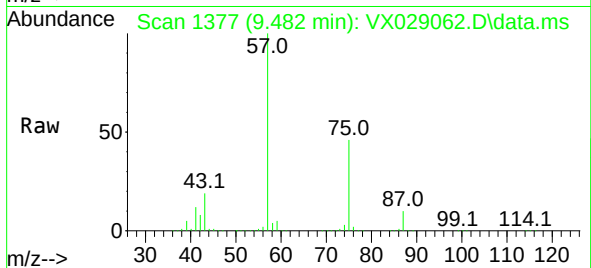
2147

Tgt Ion: 43 Resp: 292570

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 52.691 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX029062.D

Acq: 28 May 2022 07:09

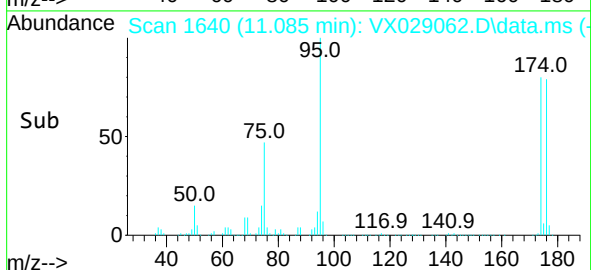
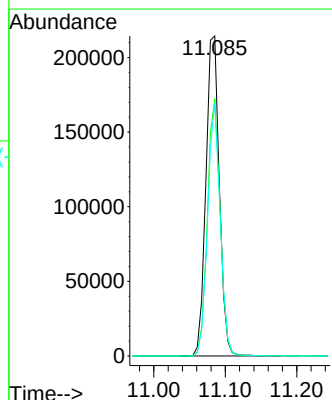
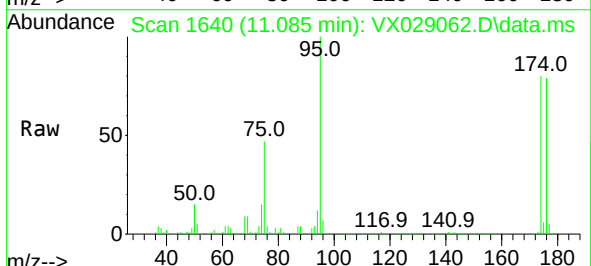
Tgt Ion: 95 Resp: 280595

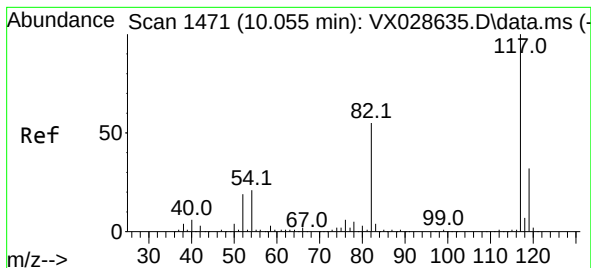
Ion Ratio Lower Upper

95 100

174 76.9 0.0 163.0

176 73.8 0.0 155.0

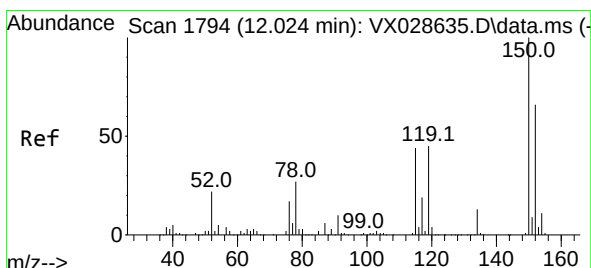
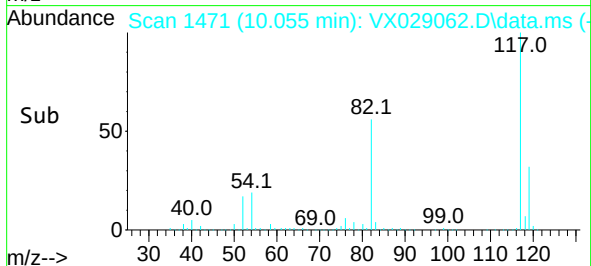
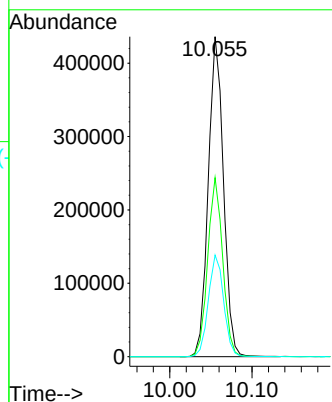
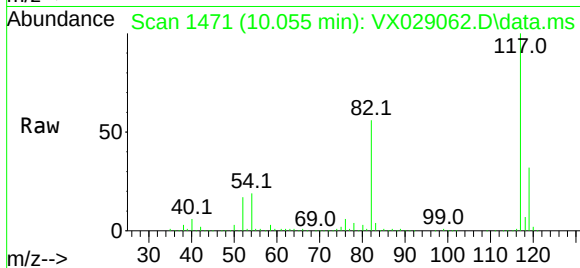




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

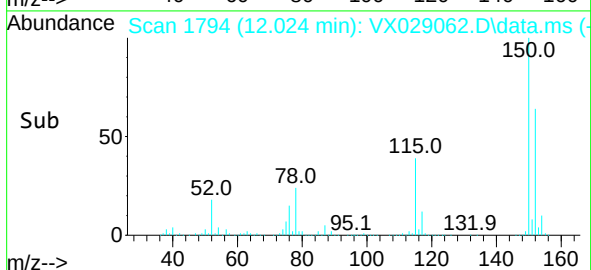
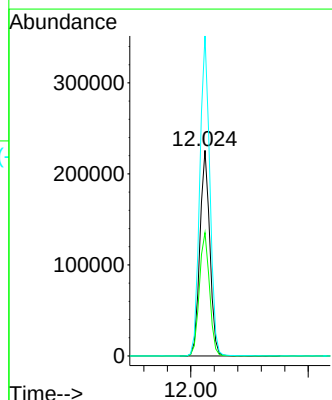
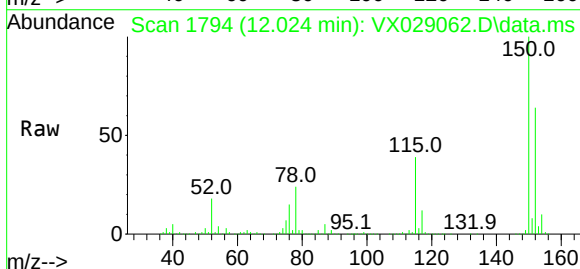
Instrument :
MSVOA_X
ClientSampleId :
2147

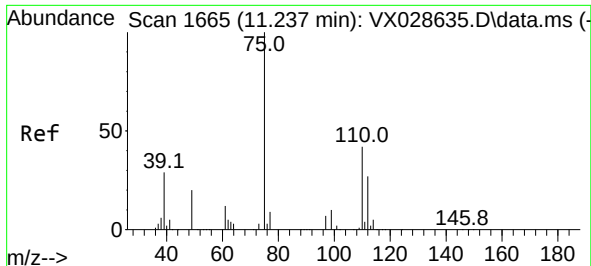
Tgt Ion:117 Resp: 559858
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.8
119 31.7 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion:152 Resp: 265751
Ion Ratio Lower Upper
152 100
115 61.5 37.5 112.7
150 157.4 0.0 338.2

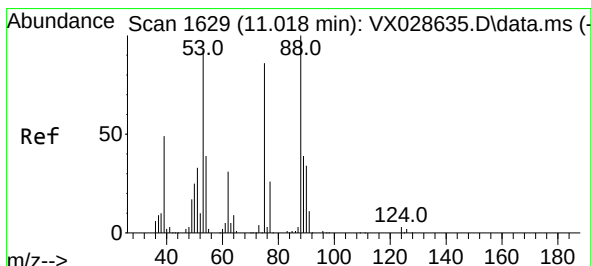
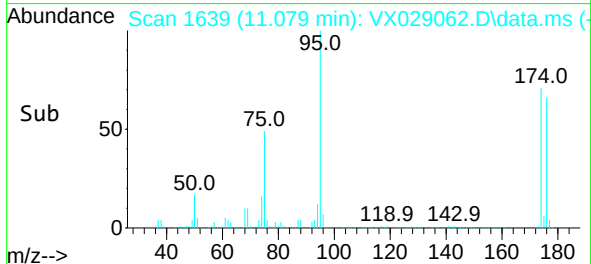
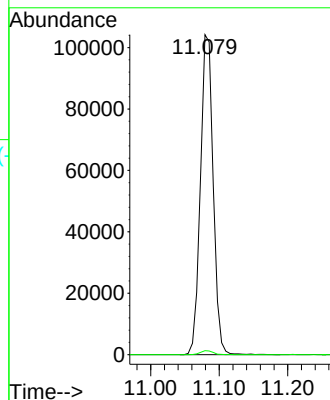
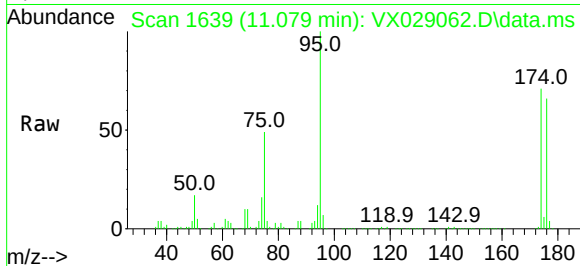




#76
1,2,3-Trichloropropane
Concen: 21.746 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Instrument :
MSVOA_X
ClientSampleId :
2147

Tgt Ion: 75 Resp: 135340
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.723 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029062.D
Acq: 28 May 2022 07:09

Tgt Ion: 75 Resp: 135340
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

