

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028709.D
 Acq On : 14 May 2022 04:08
 Operator : JC/MD
 Sample : N2823-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COM-2

Quant Time: May 16 02:33:22 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	244147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	451815	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	428979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	219944	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176627	52.777	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	105.560%
35) Dibromofluoromethane	5.385	113	77524	26.189	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	52.380%#
50) Toluene-d8	8.653	98	552313	49.488	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.980%
62) 4-Bromofluorobenzene	11.079	95	199155	47.775	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.560%
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	576	Below Cal	#	73
6) Chloroethane	1.672	64	345	Below Cal	#	43
11) Tert butyl alcohol	2.947	59	7210	2.244	ug/l #	74
13) Acrolein	2.239	56	392	0.714	ug/l	89
15) Acrylonitrile	3.075	53	638	0.396	ug/l #	75
16) Acetone	2.380	43	63515	44.221	ug/l	94
18) Methyl Acetate	2.703	43	2969	0.825	ug/l	99
20) Methylene Chloride	2.788	84	14974	4.969	ug/l	90
23) Vinyl Acetate	3.867	43	2981	0.399	ug/l #	66
25) 2-Butanone	4.562	43	10574	4.690	ug/l	93
29) Tetrahydrofuran	5.013	42	330	0.225	ug/l #	43
31) Cyclohexane	5.556	56	5466	1.177	ug/l #	14
36) 1,1-Dichloropropene	5.550	75	20231	4.550	ug/l #	50
37) Ethyl Acetate	4.562	43	10574	2.277	ug/l #	65
38) Carbon Tetrachloride	5.556	117	25546	5.709	ug/l #	16
48) Methyl methacrylate	7.598	41	8236	2.347	ug/l #	18
51) 4-Methyl-2-Pentanone	8.580	43	5765	1.205	ug/l	91
59) 2-Hexanone	9.439	43	2223	0.598	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	106599	20.695	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	106599	60.830	ug/l #	15
95) Naphthalene	13.774	128	25810	1.651	ug/l	100

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

Quant Time: May 16 02:33:22 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

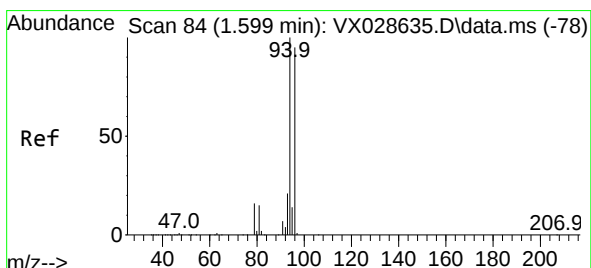
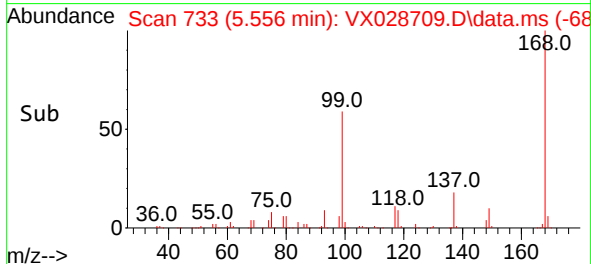
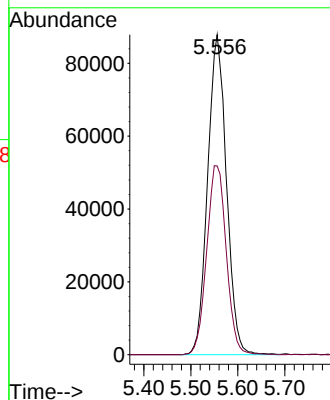
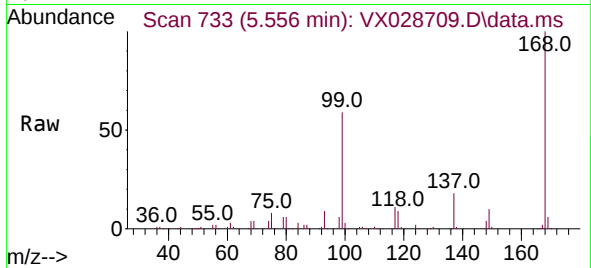




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

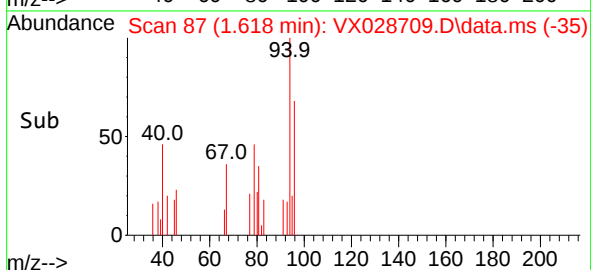
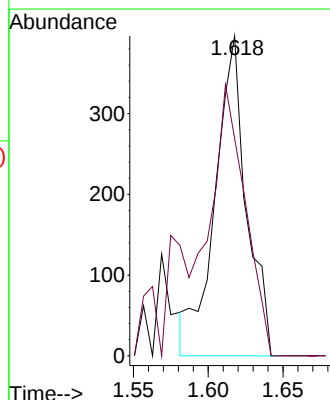
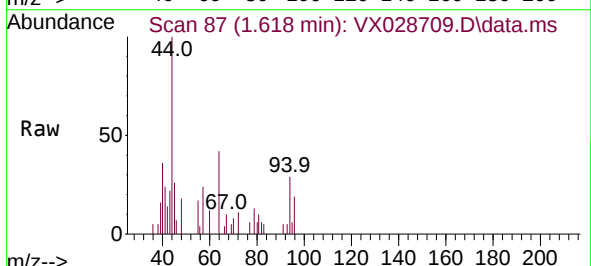
Instrument :
MSVOA_X
ClientSampleId :
COM-2

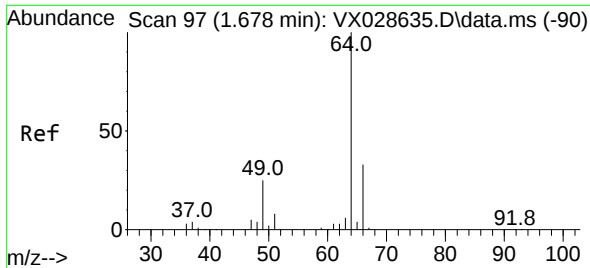
Tgt Ion:168 Resp: 244147
Ion Ratio Lower Upper
168 100
99 59.0 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion: 94 Resp: 576
Ion Ratio Lower Upper
94 100
96 67.9 75.3 112.9#

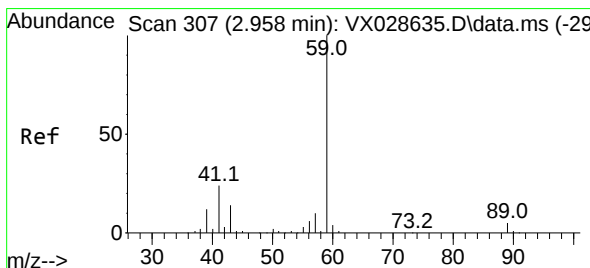
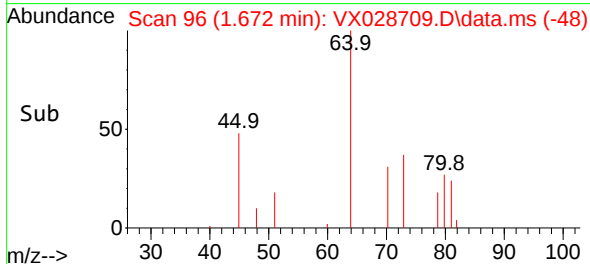
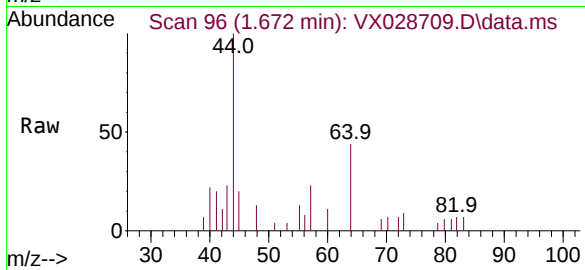




#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 90
Delta R.T. -0.006 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

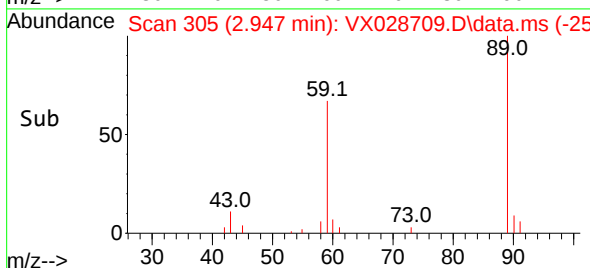
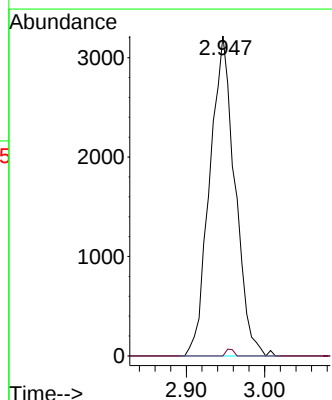
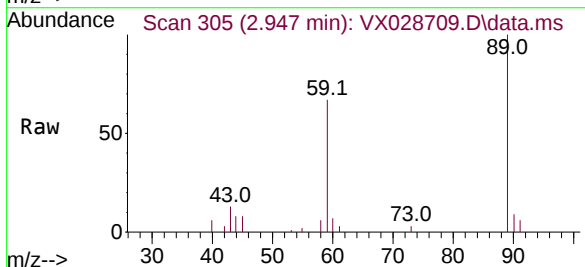
Instrument :
MSVOA_X
ClientSampleId :
COM-2

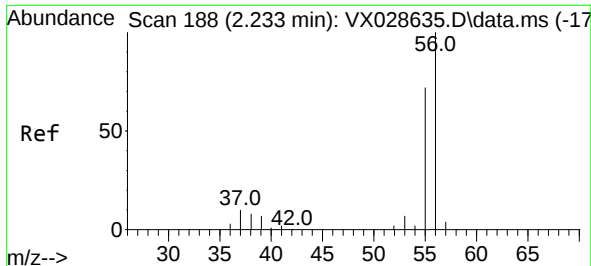
Tgt Ion: 64 Resp: 345
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 2.244 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.011 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion: 59 Resp: 7210
Ion Ratio Lower Upper
59 100
57 0.7 8.3 12.5#

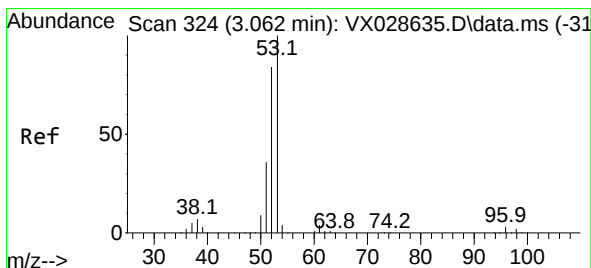
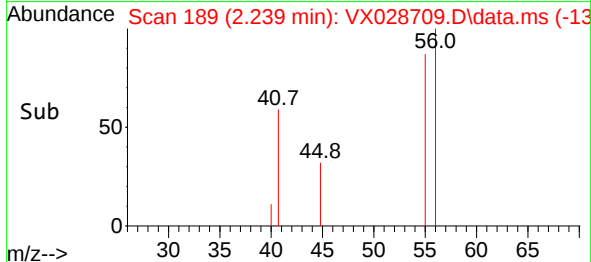
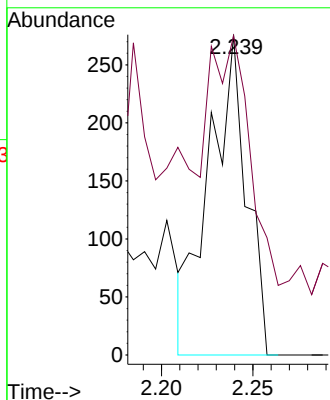
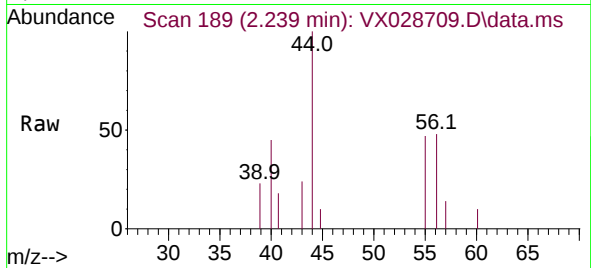




#13
Acrolein
Concen: 0.714 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

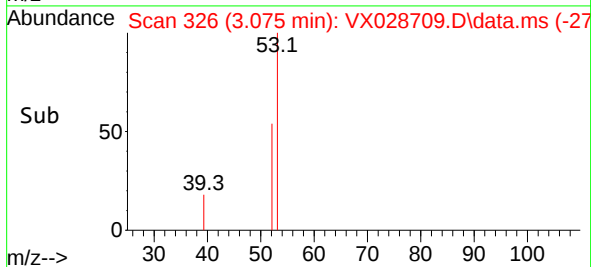
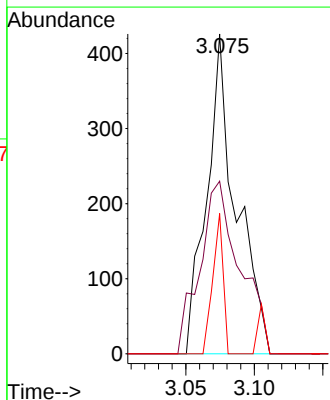
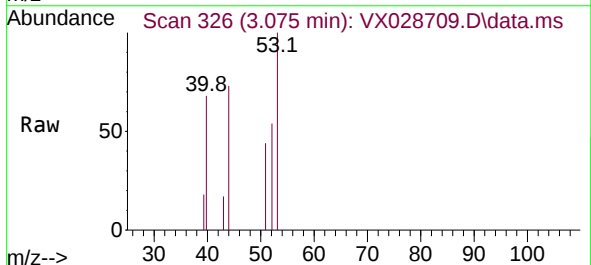
Instrument :
MSVOA_X
ClientSampleId :
COM-2

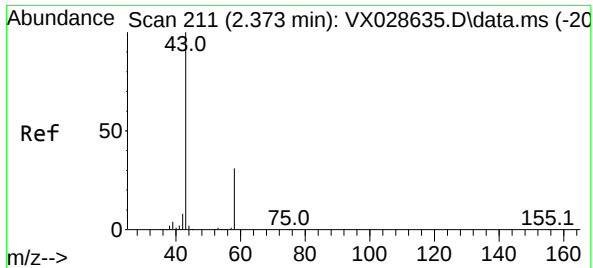
Tgt Ion: 56 Resp: 392
Ion Ratio Lower Upper
56 100
55 77.8 55.0 82.6



#15
Acrylonitrile
Concen: 0.396 ug/l
RT: 3.075 min Scan# 326
Delta R.T. 0.013 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion: 53 Resp: 638
Ion Ratio Lower Upper
53 100
52 73.0 65.7 98.5
51 0.0 28.4 42.6#

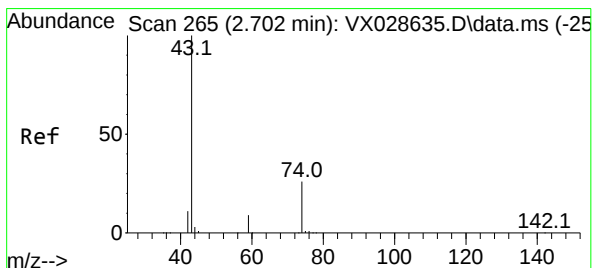
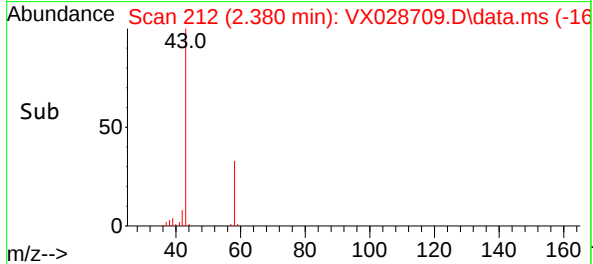
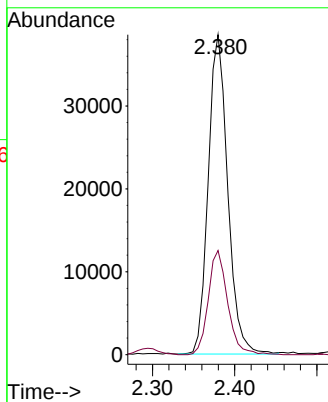
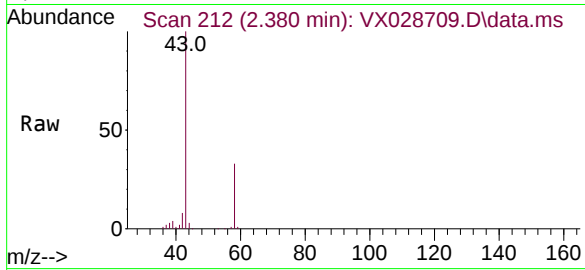




#16
Acetone
Concen: 44.221 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

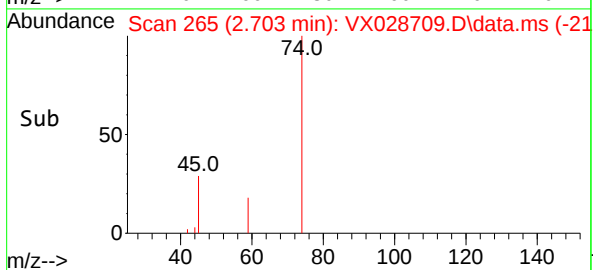
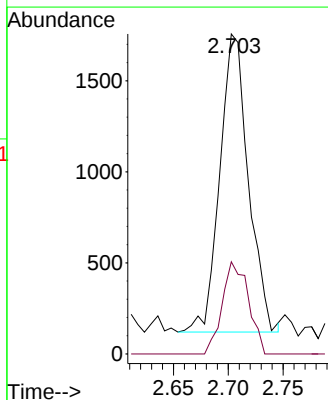
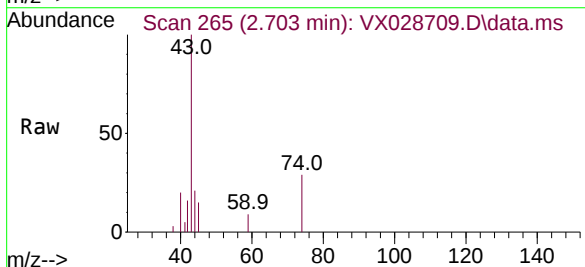
Instrument :
MSVOA_X
ClientSampleId :
COM-2

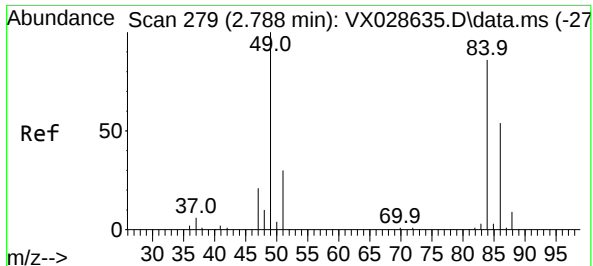
Tgt Ion: 43 Resp: 63515
Ion Ratio Lower Upper
43 100
58 32.6 28.8 43.2



#18
Methyl Acetate
Concen: 0.825 ug/l
RT: 2.703 min Scan# 265
Delta R.T. 0.001 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion: 43 Resp: 2969
Ion Ratio Lower Upper
43 100
74 28.2 22.8 34.2





#20

Methylene Chloride

Concen: 4.969 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028709.D

Acq: 14 May 2022 04:08

Instrument :

MSVOA_X

ClientSampleId :

COM-2

Tgt Ion: 84 Resp: 14974

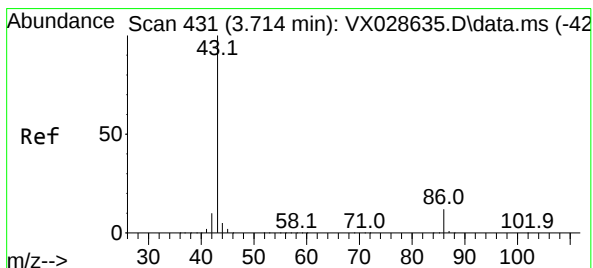
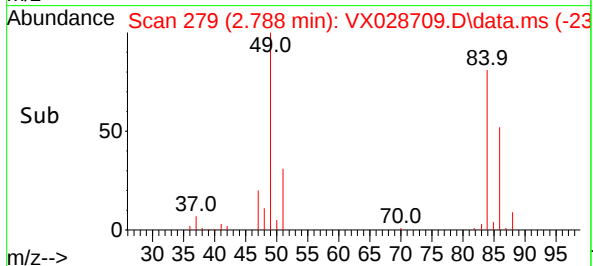
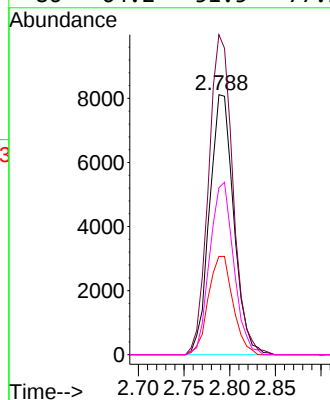
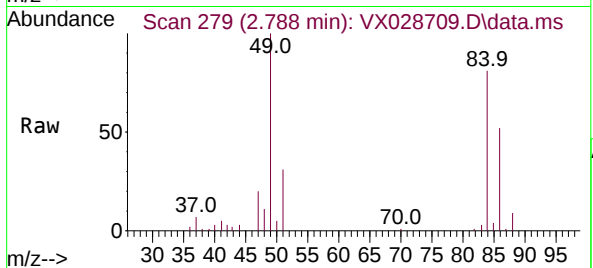
Ion Ratio Lower Upper

84 100

49 123.1 85.5 128.3

51 37.8 26.6 39.8

86 64.2 51.5 77.3



#23

Vinyl Acetate

Concen: 0.399 ug/l

RT: 3.867 min Scan# 456

Delta R.T. 0.153 min

Lab File: VX028709.D

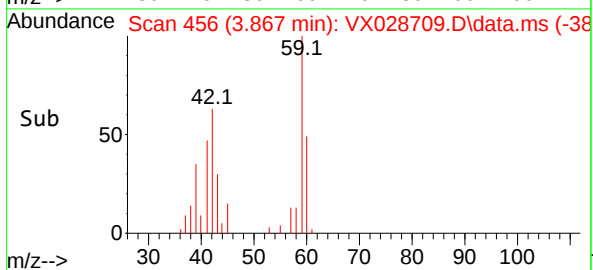
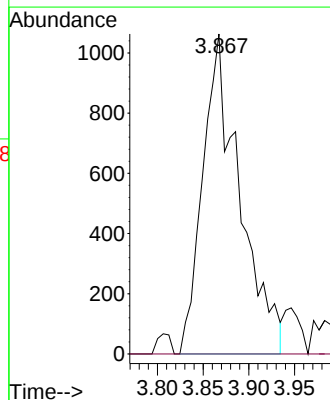
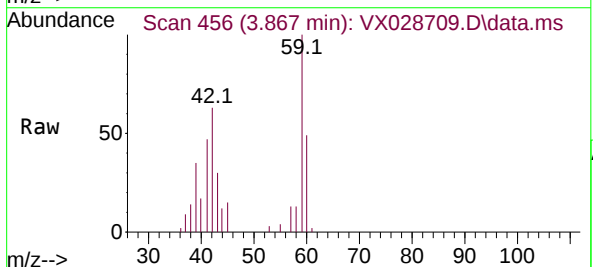
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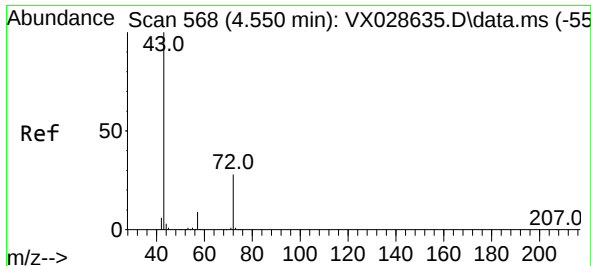
Tgt Ion: 43 Resp: 2981

Ion Ratio Lower Upper

43 100

86 0.0 10.8 16.2#

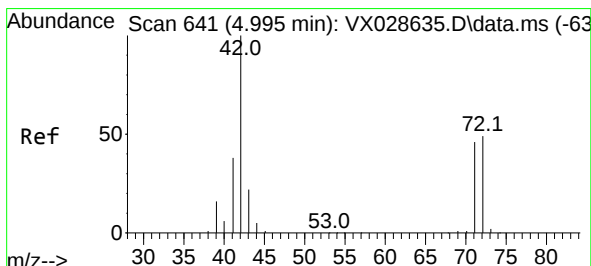
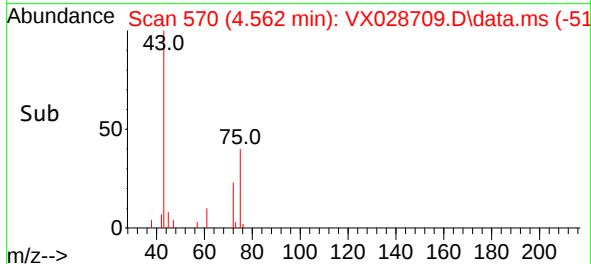
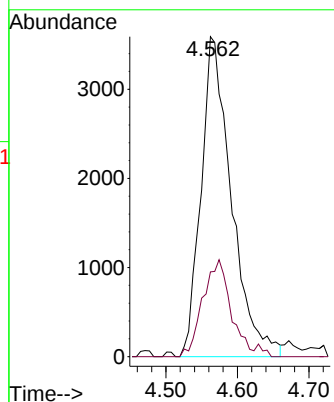
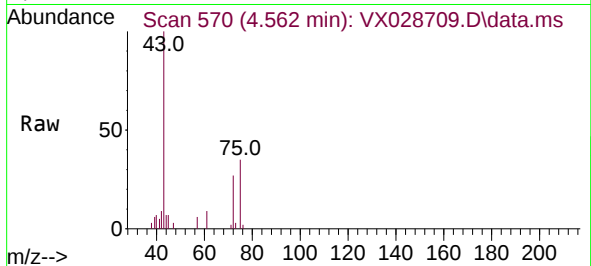




#25
2-Butanone
Concen: 4.690 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

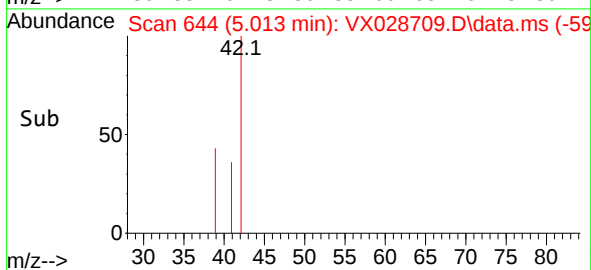
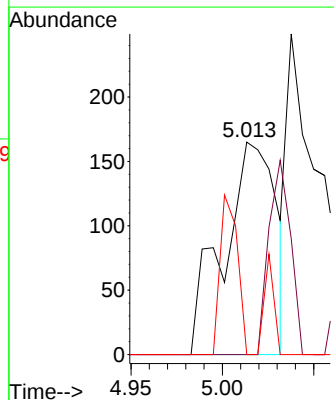
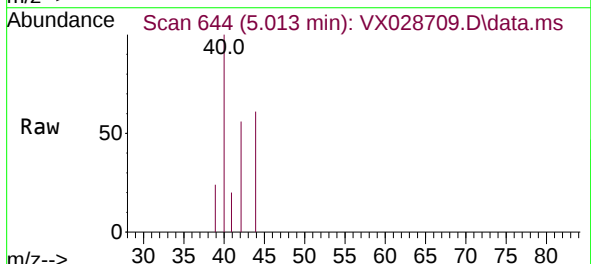
Instrument :
MSVOA_X
ClientSampleId :
COM-2

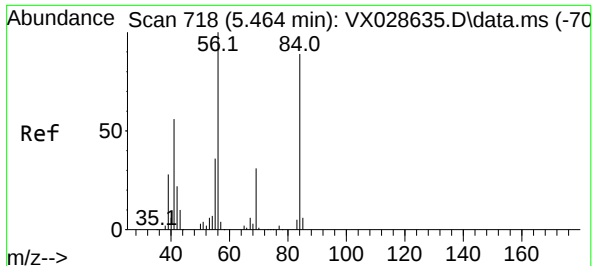
Tgt Ion: 43 Resp: 10574
Ion Ratio Lower Upper
43 100
72 26.5 24.4 36.6



#29
Tetrahydrofuran
Concen: 0.225 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.018 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

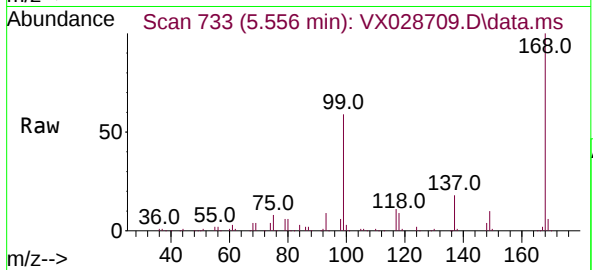
Tgt Ion: 42 Resp: 330
Ion Ratio Lower Upper
42 100
72 0.0 44.1 66.1#
71 24.8 40.5 60.7#



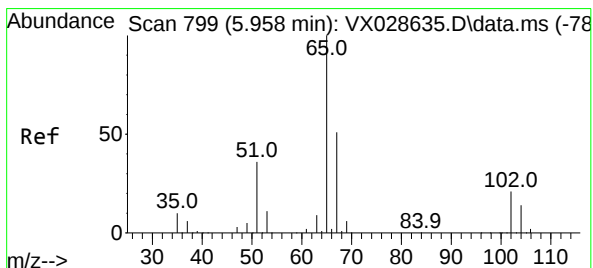
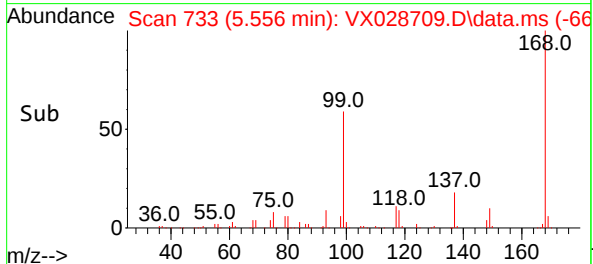
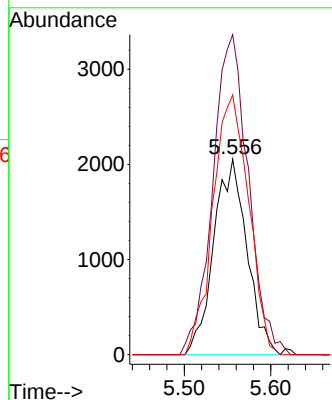


#31
Cyclohexane
Concen: 1.177 ug/l
RT: 5.556 min Scan# 718
Delta R.T. 0.092 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Instrument :
MSVOA_X
ClientSampleId :
COM-2

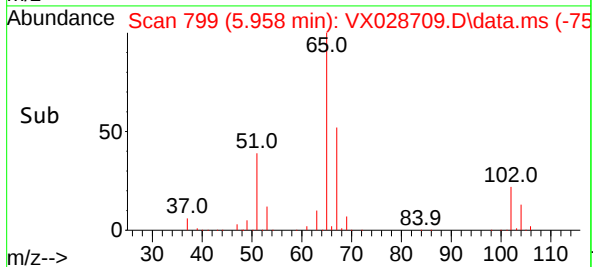
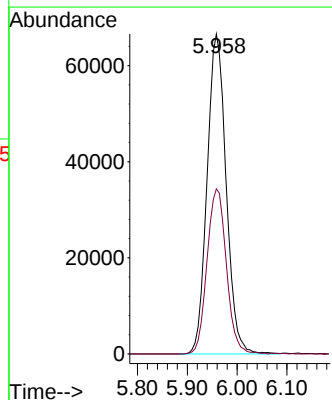
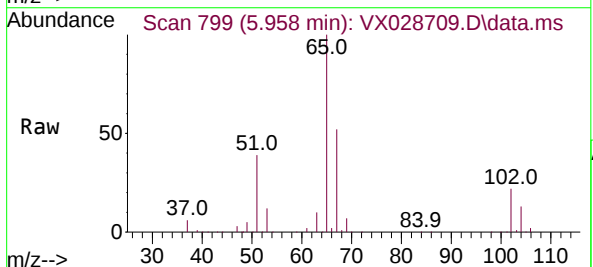


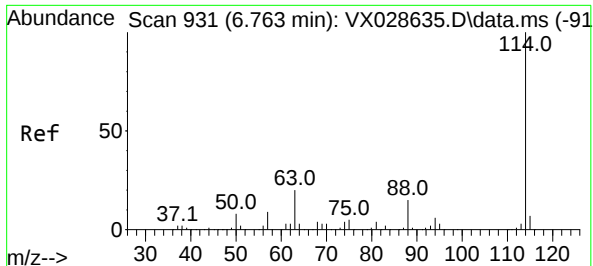
Tgt Ion: 56 Resp: 5466
Ion Ratio Lower Upper
56 100
69 163.6 26.7 40.1#
84 132.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 52.777 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion: 65 Resp: 176627
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.4

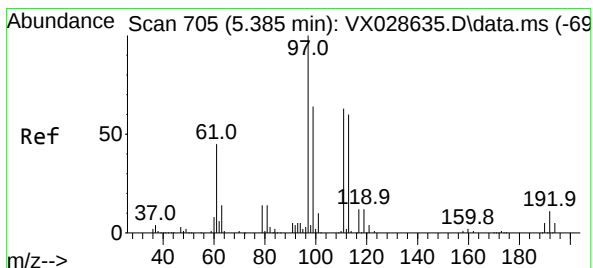
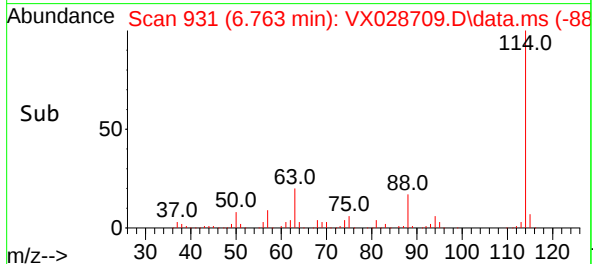
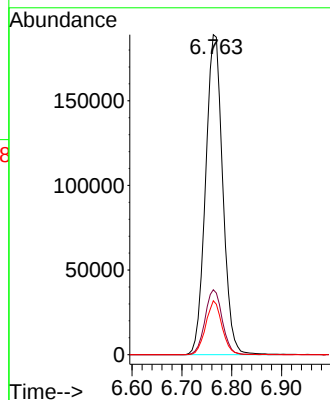
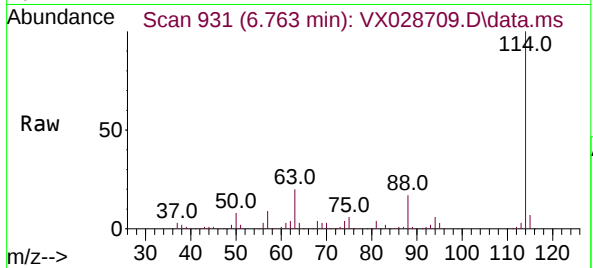




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

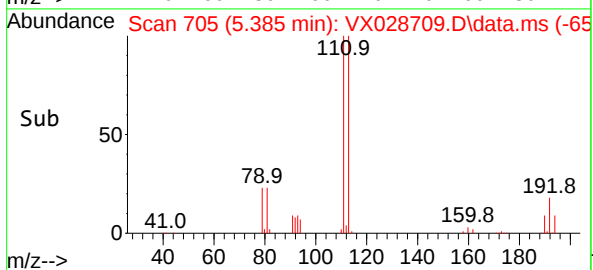
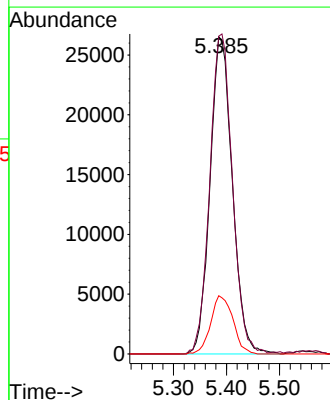
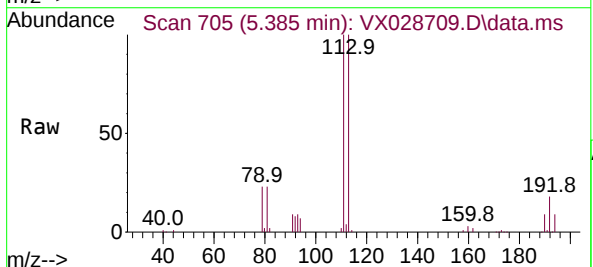
Instrument :
MSVOA_X
ClientSampleId :
COM-2

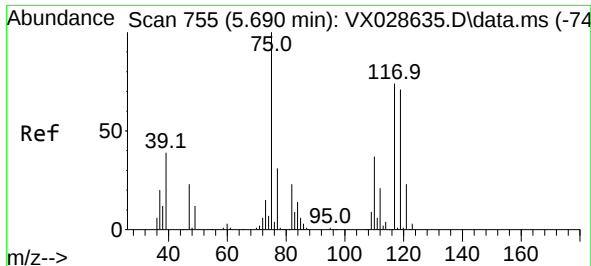
Tgt Ion:114 Resp: 451815
Ion Ratio Lower Upper
114 100
63 20.3 0.0 36.8
88 16.8 0.0 32.4



#35
Dibromofluoromethane
Concen: 26.189 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion:113 Resp: 77524
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 18.3 16.9 25.3

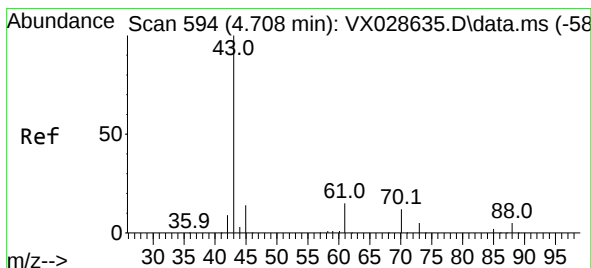
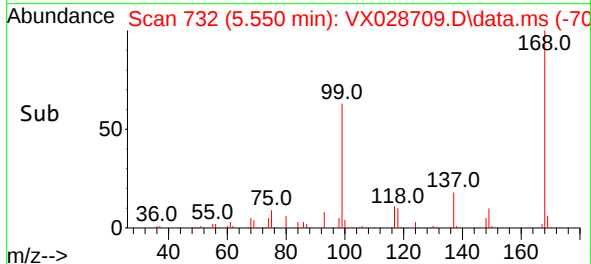
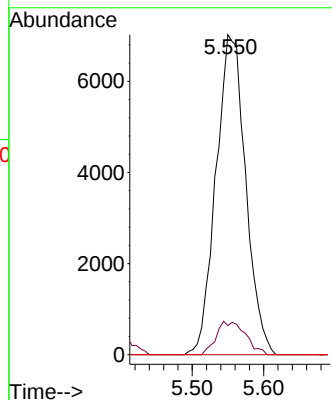
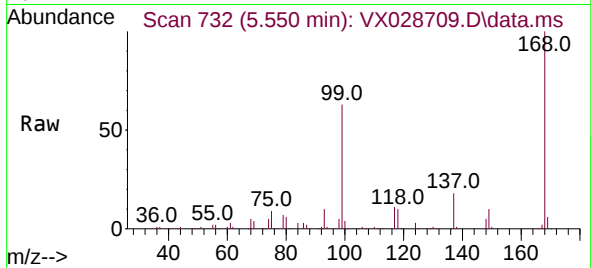




#36
1,1-Dichloropropene
Concen: 4.550 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

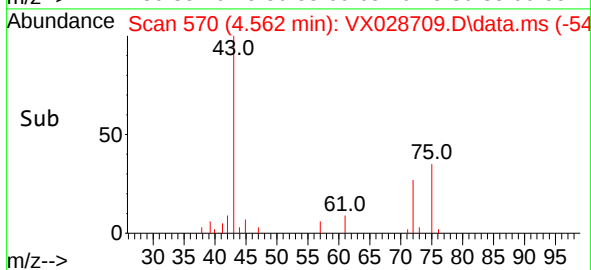
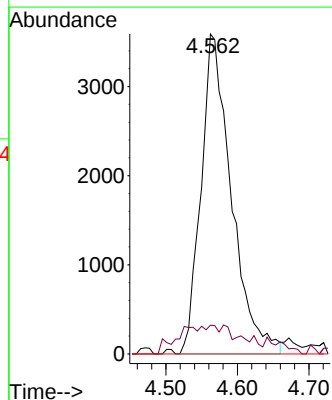
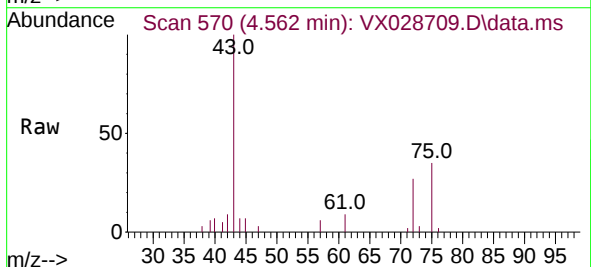
Instrument :
MSVOA_X
ClientSampleId :
COM-2

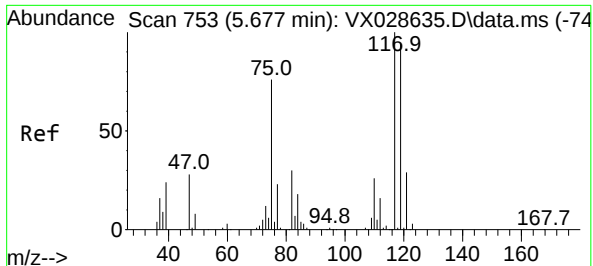
Tgt Ion: 75 Resp: 20231
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 2.277 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.146 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

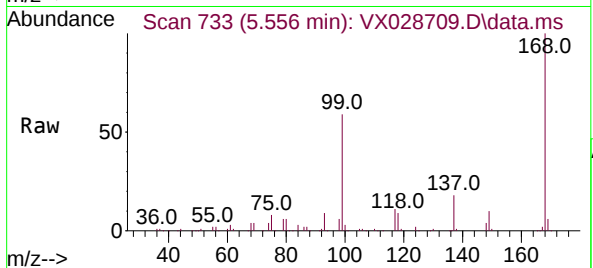
Tgt Ion: 43 Resp: 10574
Ion Ratio Lower Upper
43 100
61 0.0 12.6 19.0#
70 0.0 10.2 15.2#



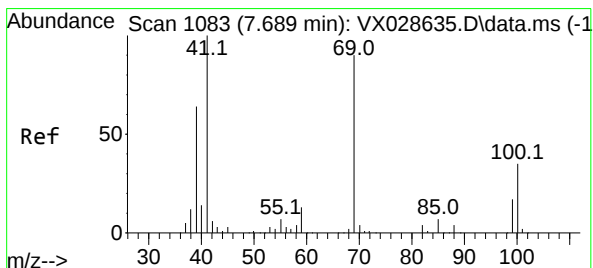
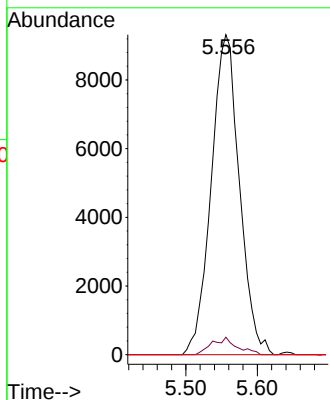
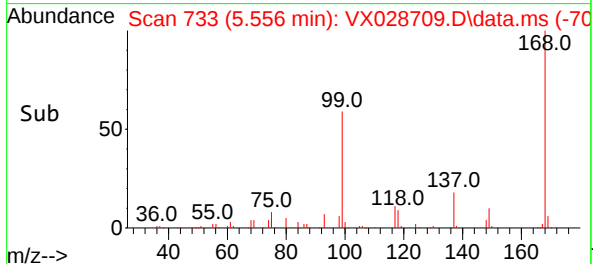


#38
Carbon Tetrachloride
Concen: 5.709 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.121 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Instrument :
MSVOA_X
ClientSampleId :
COM-2

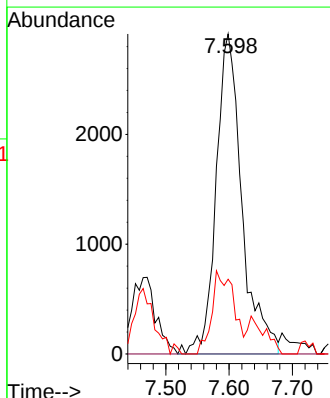
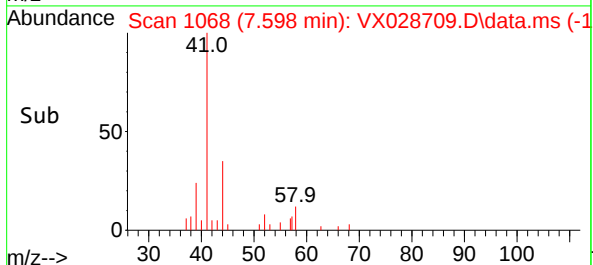
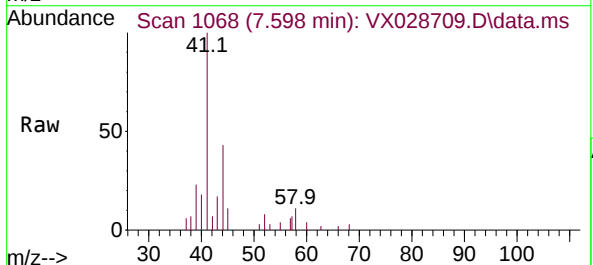


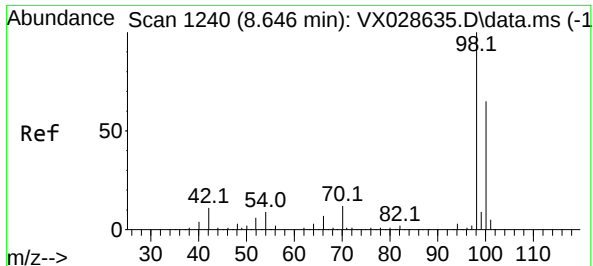
Tgt Ion:117 Resp: 25546
Ion Ratio Lower Upper
117 100
119 5.5 77.3 115.9#
121 0.0 24.2 36.2#



#48
Methyl methacrylate
Concen: 2.347 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.091 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion: 41 Resp: 8236
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 22.1 43.8 65.8#

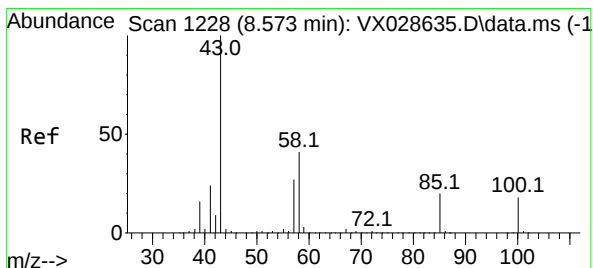
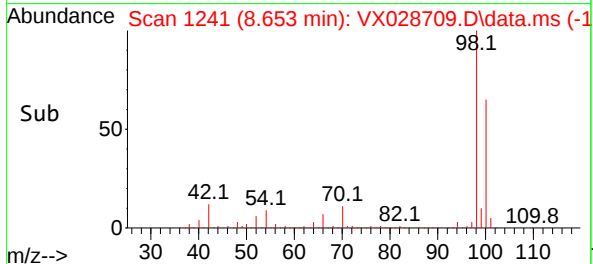
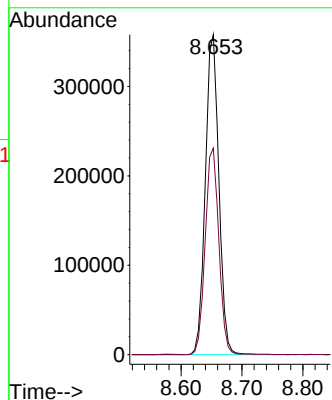
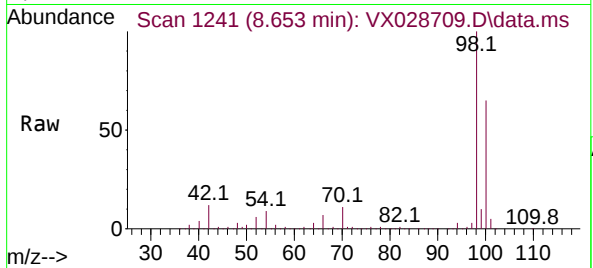




#50
Toluene-d8
Concen: 49.488 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

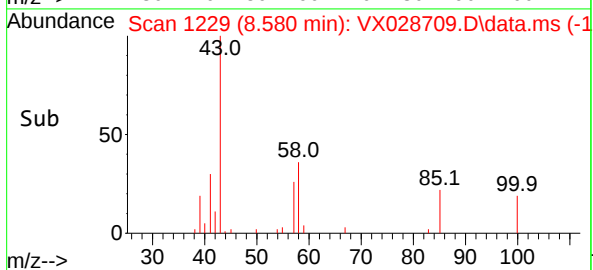
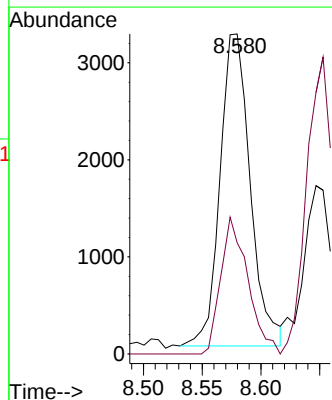
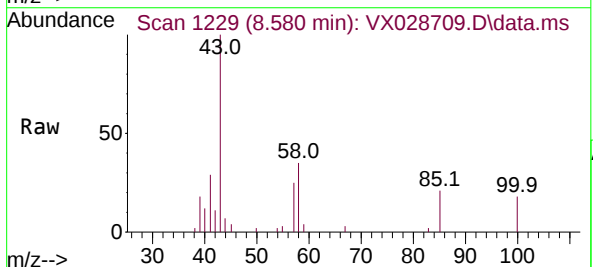
Instrument :
MSVOA_X
ClientSampleId :
COM-2

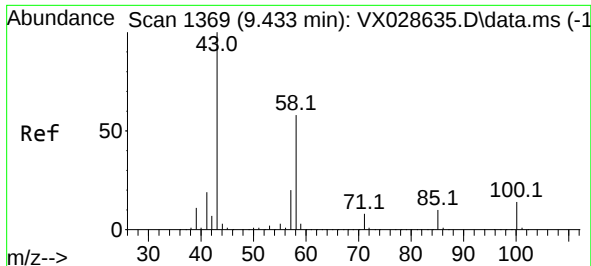
Tgt Ion: 98 Resp: 552313
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 1.205 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion: 43 Resp: 5765
Ion Ratio Lower Upper
43 100
58 39.3 36.1 54.1





#59

2-Hexanone

Concen: 0.598 ug/l

RT: 9.439 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX028709.D

Acq: 14 May 2022 04:08

Instrument :

MSVOA_X

ClientSampleId :

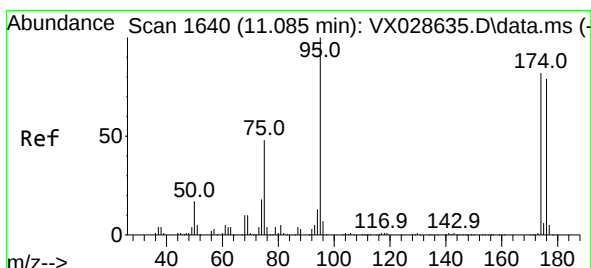
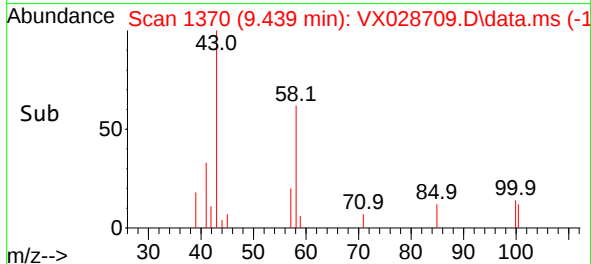
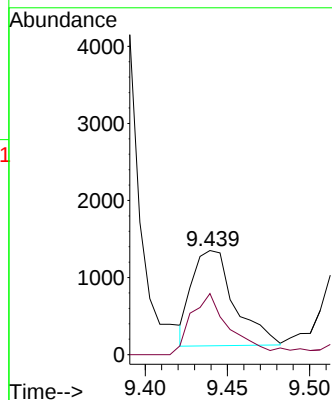
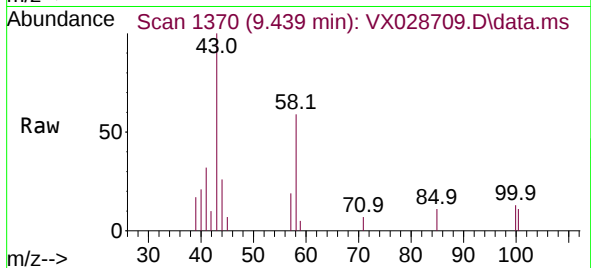
COM-2

Tgt Ion: 43 Resp: 2223

Ion Ratio Lower Upper

43 100

58 61.5 31.9 95.7



#62

4-Bromofluorobenzene

Concen: 47.775 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.006 min

Lab File: VX028709.D

Acq: 14 May 2022 04:08

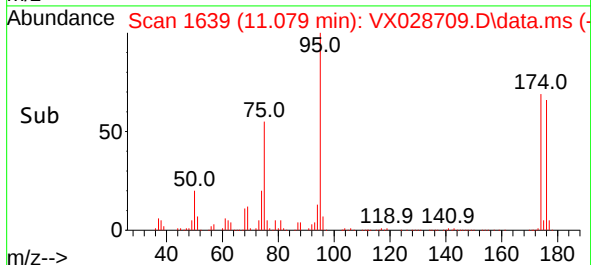
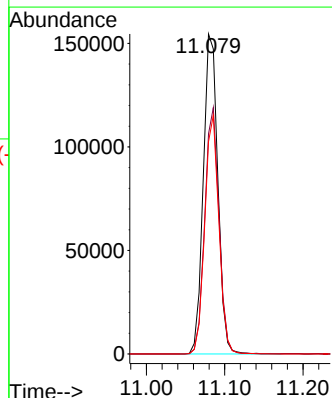
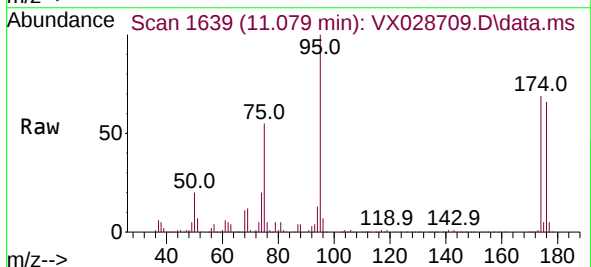
Tgt Ion: 95 Resp: 199155

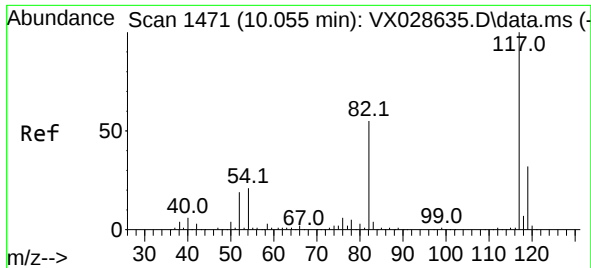
Ion Ratio Lower Upper

95 100

174 75.7 0.0 163.0

176 72.5 0.0 155.0

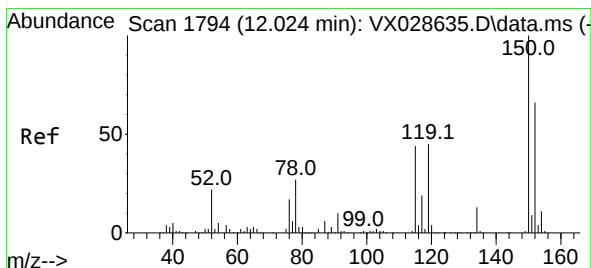
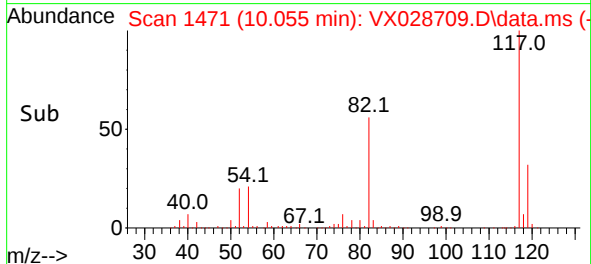
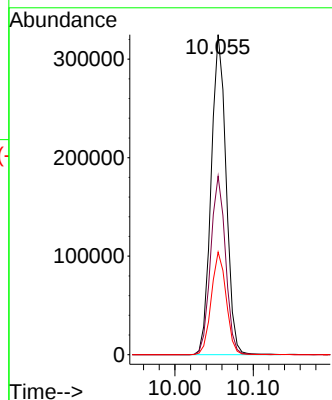
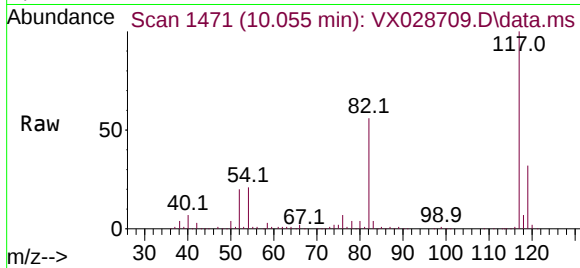




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

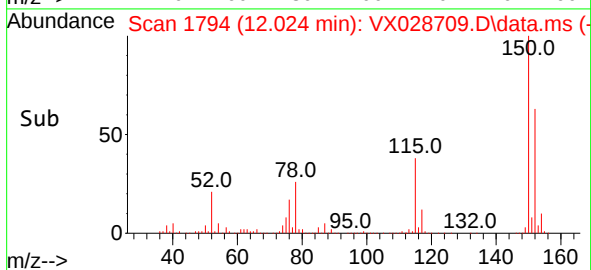
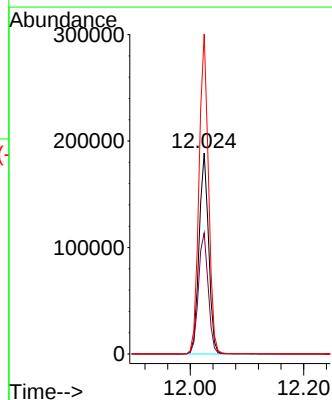
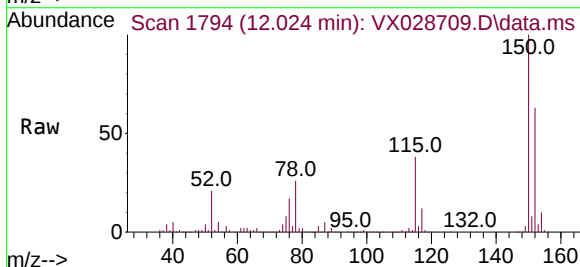
Instrument :
MSVOA_X
ClientSampleId :
COM-2

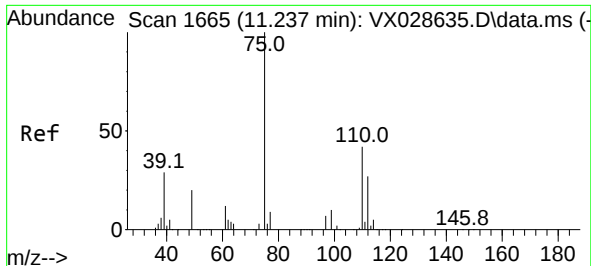
Tgt Ion:117 Resp: 428979
Ion Ratio Lower Upper
117 100
82 55.8 41.8 62.8
119 32.0 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion:152 Resp: 219944
Ion Ratio Lower Upper
152 100
115 61.9 37.5 112.7
150 158.1 0.0 338.2

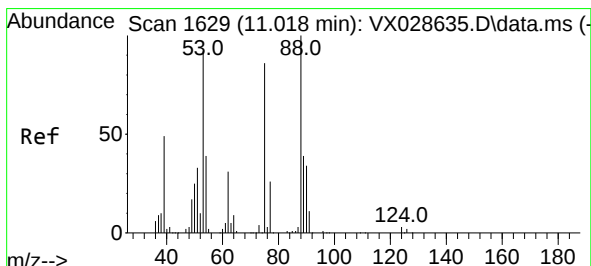
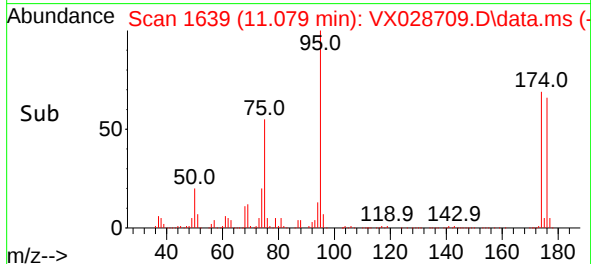
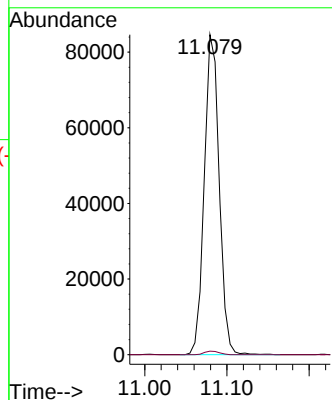
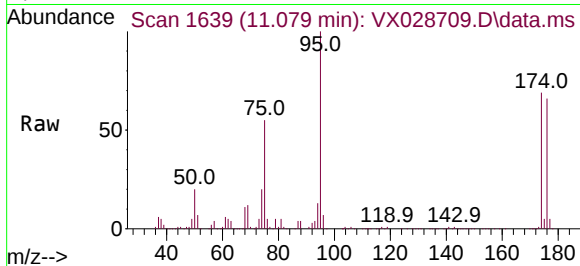




#76
1,2,3-Trichloropropane
Concen: 20.695 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

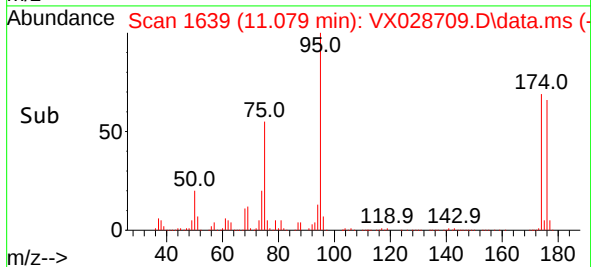
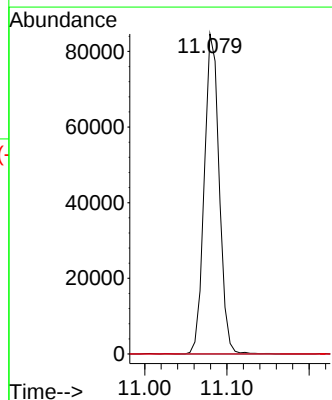
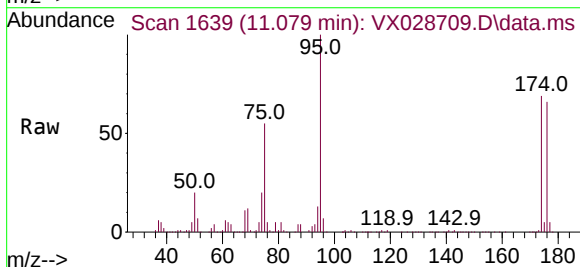
Instrument :
MSVOA_X
ClientSampleId :
COM-2

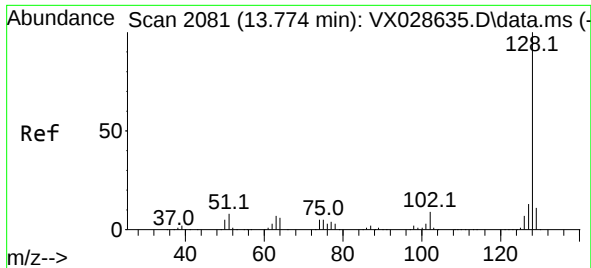
Tgt Ion: 75 Resp: 106599
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.830 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028709.D
Acq: 14 May 2022 04:08

Tgt Ion: 75 Resp: 106599
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#95

Naphthalene

Concen: 1.651 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX028709.D

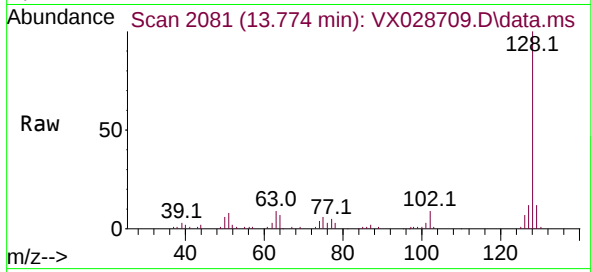
Acq: 14 May 2022 04:08

Instrument :

MSVOA_X

ClientSampleId :

COM-2



Tgt Ion:128 Resp: 25810

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 11.1 8.7 13.1

