

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060523\
 Data File : VX036009.D
 Acq On : 05 Jun 2023 17:39
 Operator : JC/MD
 Sample : 03016-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 B-45(OW)

Quant Time: Jun 06 06:46:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 31 12:50:30 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	230355	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	383153	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	340454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	158918	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	170303	45.528	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	91.060%
35) Dibromofluoromethane	5.385	113	116401	45.168	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.340%
50) Toluene-d8	8.647	98	455064	49.202	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	98.400%
62) 4-Bromofluorobenzene	11.079	95	173113	47.414	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.820%

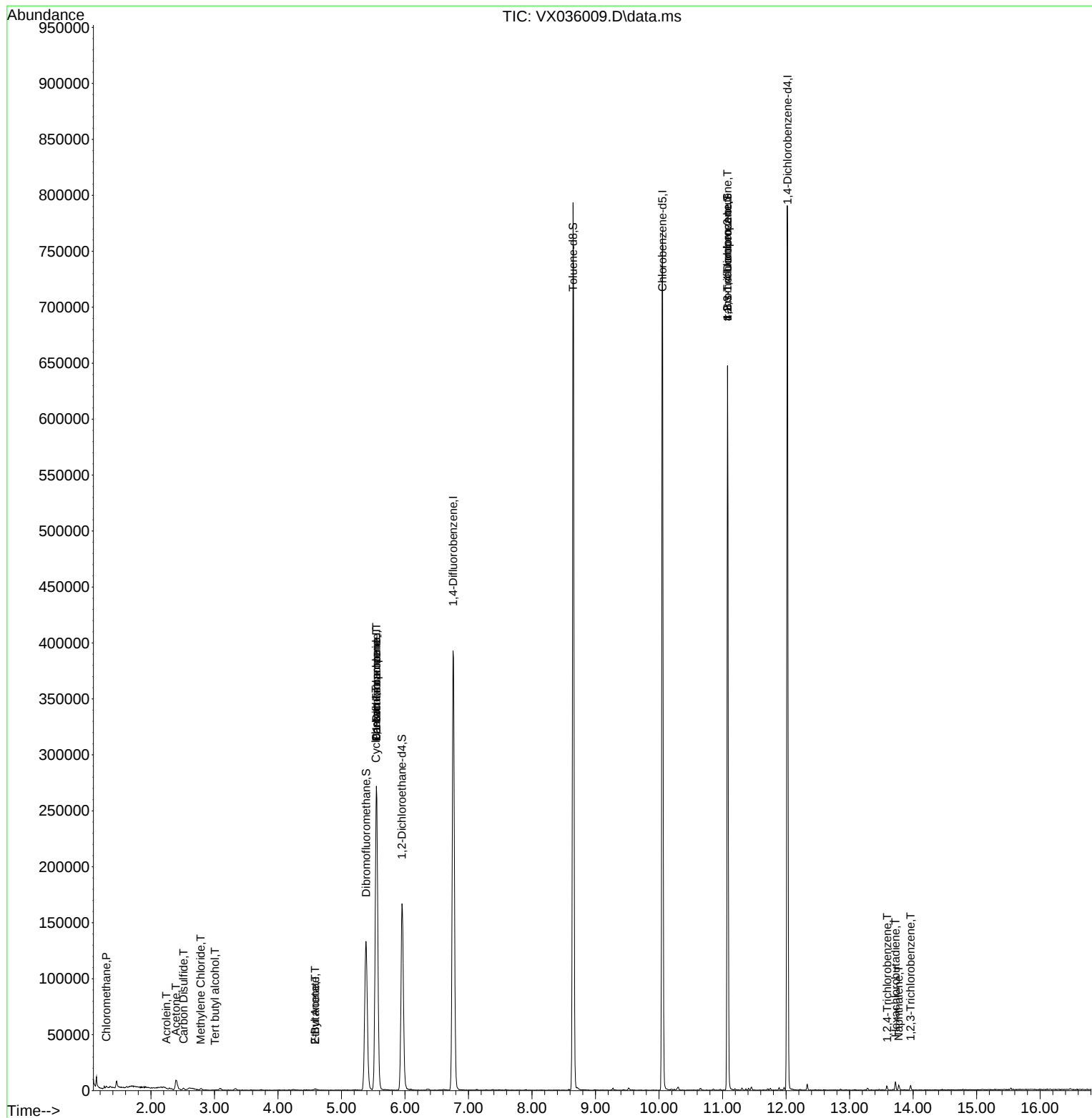
Target Compounds			Qvalue			
3) Chloromethane	1.294	50	1012	0.352	ug/l #	72
11) Tert butyl alcohol	3.007	59	156	0.235	ug/l #	78
13) Acrolein	2.239	56	210	0.328	ug/l	94
16) Acetone	2.392	43	13223	8.568	ug/l	98
17) Carbon Disulfide	2.514	76	1957	0.338	ug/l	97
20) Methylene Chloride	2.782	84	755	0.254	ug/l #	87
25) 2-Butanone	4.586	43	2214	1.002	ug/l #	76
31) Cyclohexane	5.544	56	6347	1.621	ug/l #	23
36) 1,1-Dichloropropene	5.550	75	22032	6.412	ug/l #	51
37) Ethyl Acetate	4.586	43	2214	0.579	ug/l #	70
38) Carbon Tetrachloride	5.550	117	26068	7.785	ug/l #	18
76) 1,2,3-Trichloropropane	11.079	75	91531	25.537	ug/l #	35
81) trans-1,4-Dichloro-2-b...	11.079	75	91531	86.015	ug/l #	3
93) 1,2,4-Trichlorobenzene	13.591	180	898	0.296	ug/l	95
94) Hexachlorobutadiene	13.725	225	973	0.844	ug/l	96
95) Naphthalene	13.774	128	3054	0.290	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1108	0.371	ug/l	97

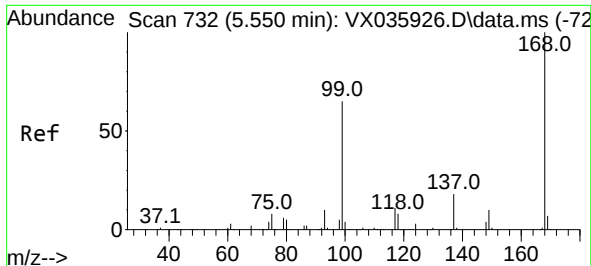
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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Quant Time: Jun 06 06:46:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053123W.M
Quant Title : SW846 8260
QLast Update : Wed May 31 12:50:30 2023
Response via : Initial Calibration

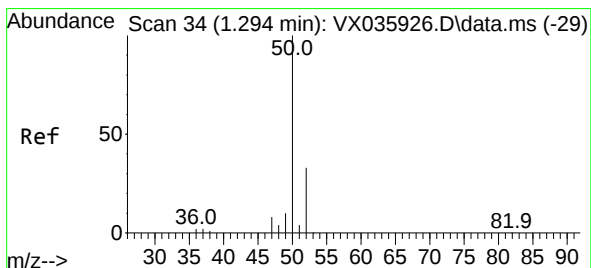
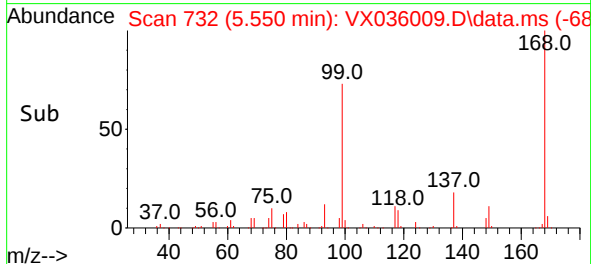
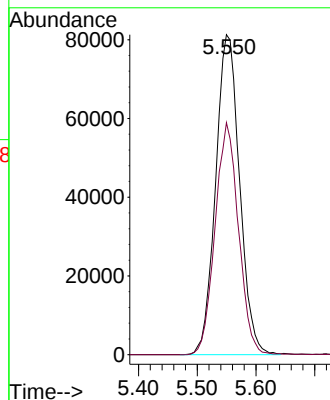
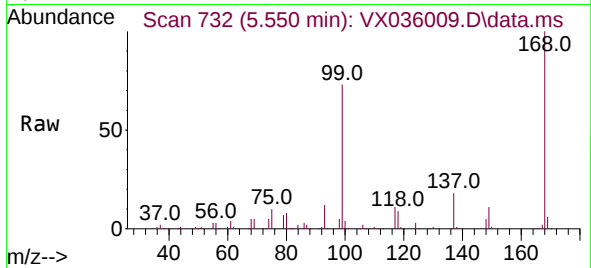




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

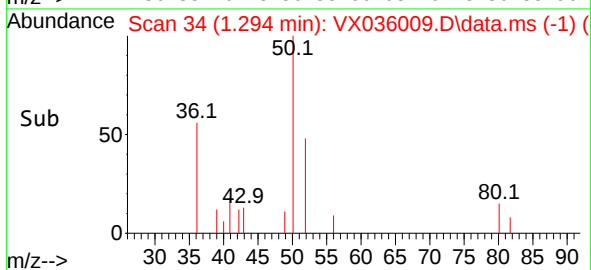
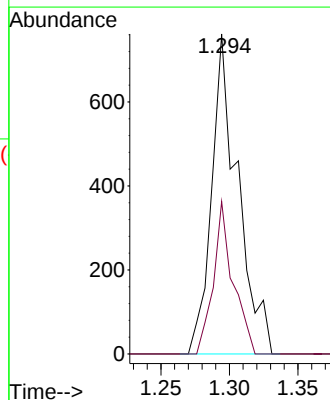
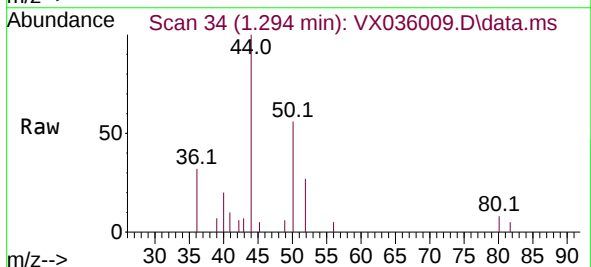
Instrument :
MSVOA_X
ClientSampleId :
B-45(OW)

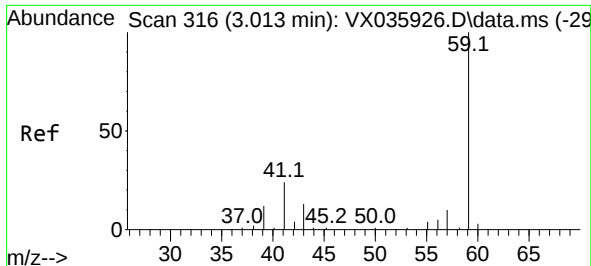
Tgt Ion:168 Resp: 230355
Ion Ratio Lower Upper
168 100
99 72.5 57.0 85.6



#3
Chloromethane
Concen: 0.352 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

Tgt Ion: 50 Resp: 1012
Ion Ratio Lower Upper
50 100
52 47.6 25.4 38.2#





#11

Tert butyl alcohol

Concen: 0.235 ug/l

RT: 3.007 min Scan# 316

Delta R.T. 0.000 min

Lab File: VX036009.D

Acq: 05 Jun 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

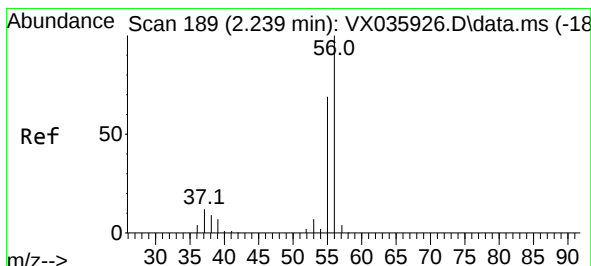
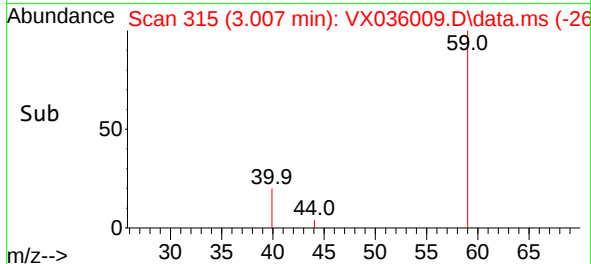
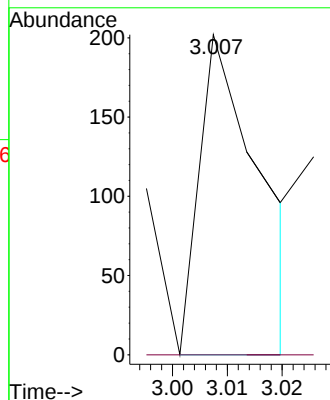
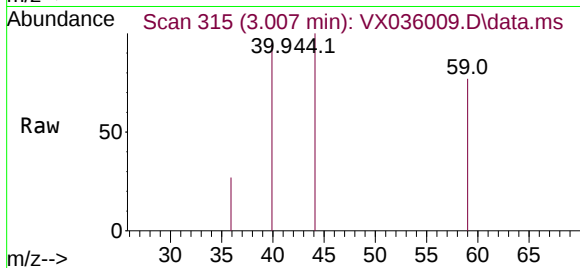
B-45(OW)

Tgt Ion: 59 Resp: 156

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.328 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX036009.D

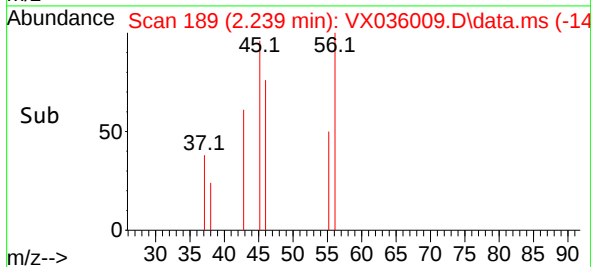
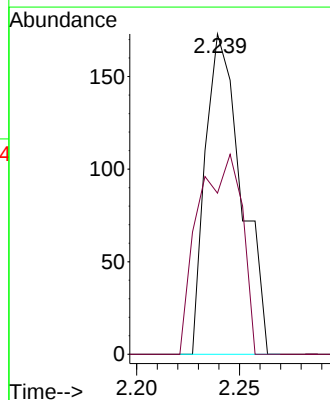
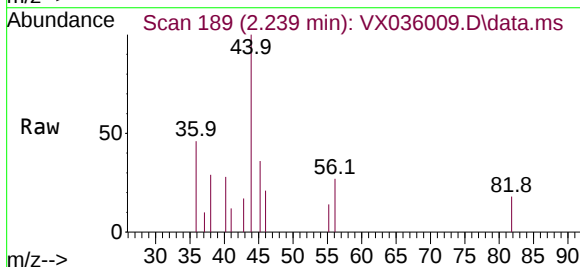
Acq: 05 Jun 2023 17:39

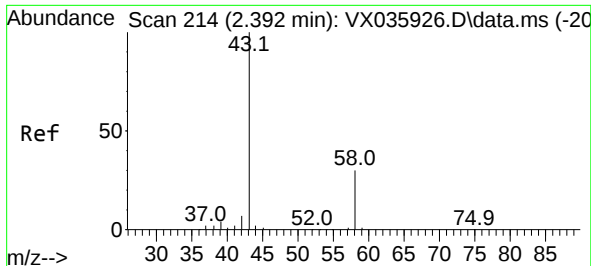
Tgt Ion: 56 Resp: 210

Ion Ratio Lower Upper

56 100

55 76.2 57.3 85.9





#16

Acetone

Concen: 8.568 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.001 min

Lab File: VX036009.D

Acq: 05 Jun 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

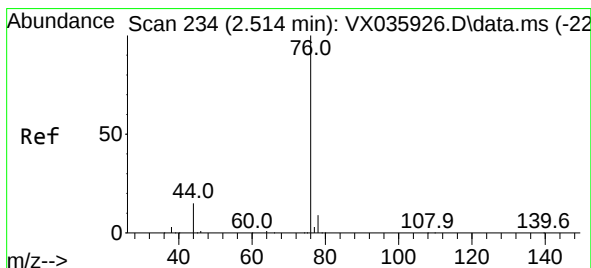
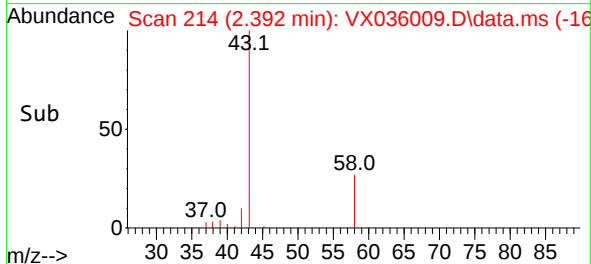
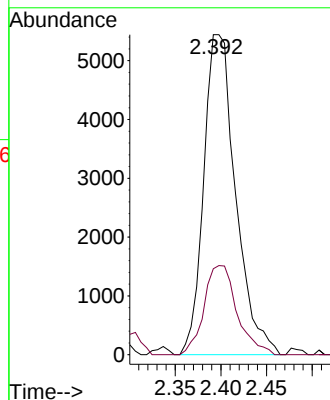
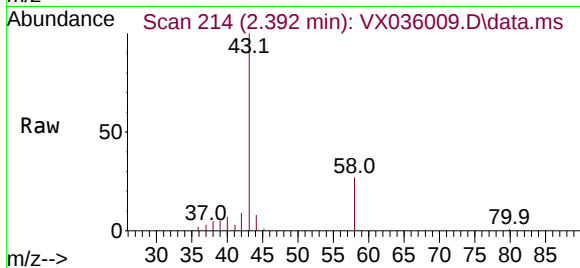
B-45(OW)

Tgt Ion: 43 Resp: 13223

Ion Ratio Lower Upper

43 100

58 26.8 22.2 33.2



#17

Carbon Disulfide

Concen: 0.338 ug/l

RT: 2.514 min Scan# 234

Delta R.T. 0.001 min

Lab File: VX036009.D

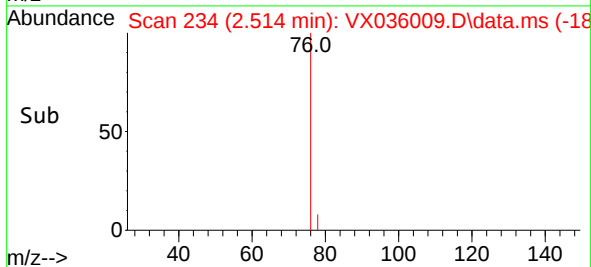
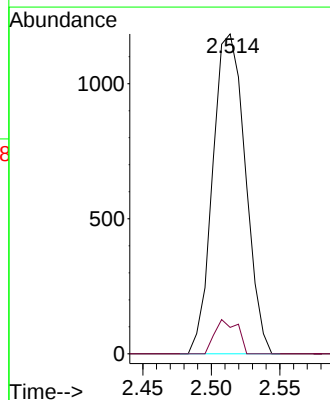
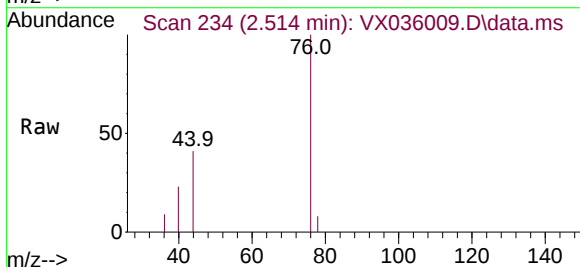
Acq: 05 Jun 2023 17:39

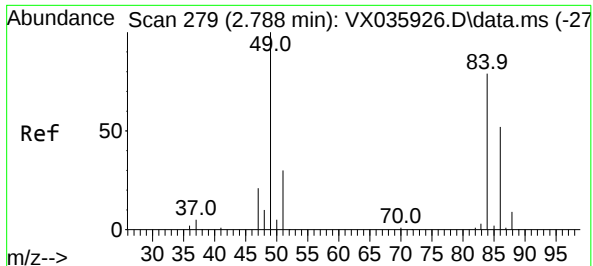
Tgt Ion: 76 Resp: 1957

Ion Ratio Lower Upper

76 100

78 8.3 7.6 11.4

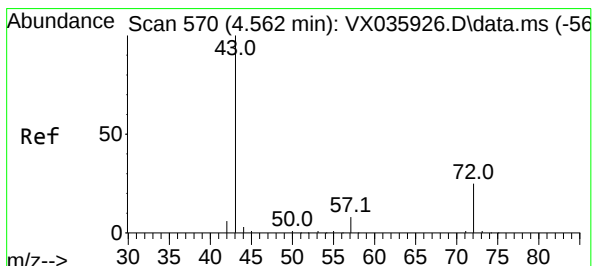
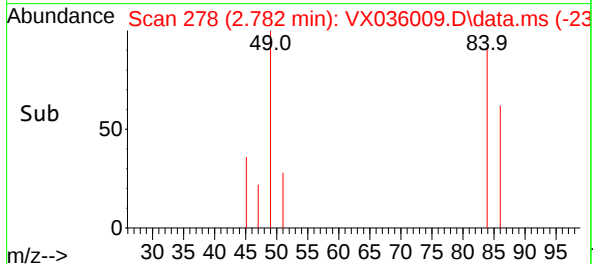
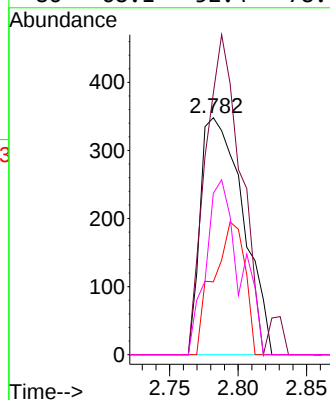
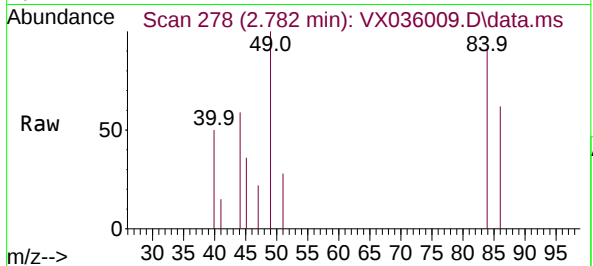




#20
Methylene Chloride
Concen: 0.254 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

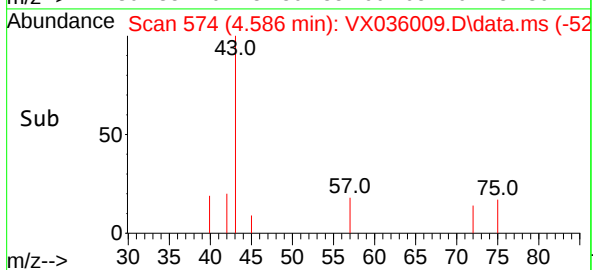
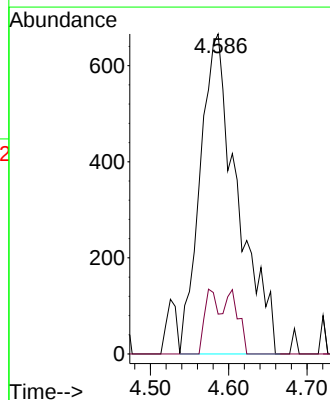
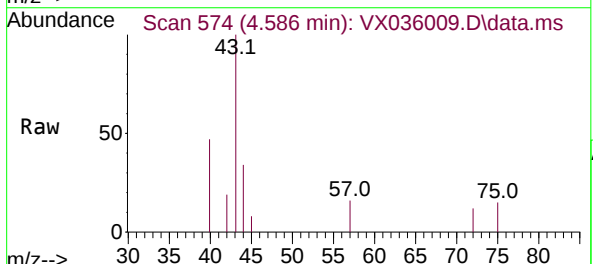
Instrument :
MSVOA_X
ClientSampleId :
B-45(OW)

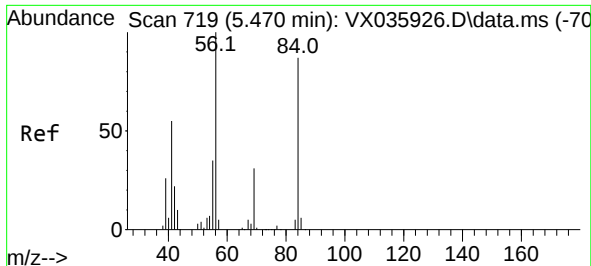
Tgt Ion:	84	Resp:	755
Ion	Ratio	Lower	Upper
84	100		
49	110.3	104.6	156.8
51	30.7	32.2	48.4#
86	68.1	52.4	78.6



#25
2-Butanone
Concen: 1.002 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.024 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

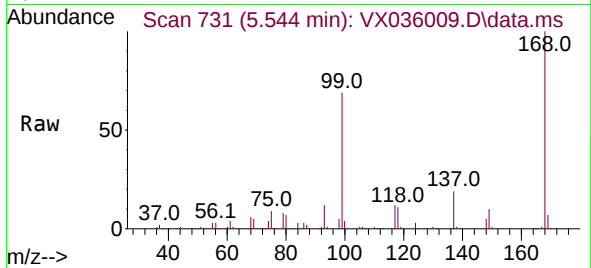
Tgt Ion:	43	Resp:	2214
Ion	Ratio	Lower	Upper
43	100		
72	12.5	19.4	29.2#



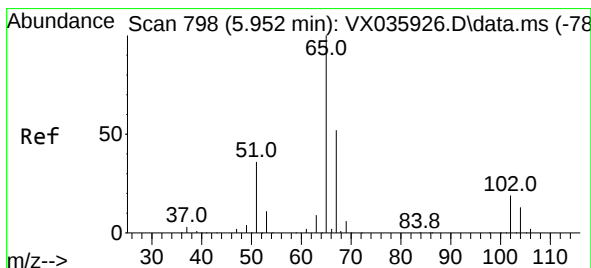
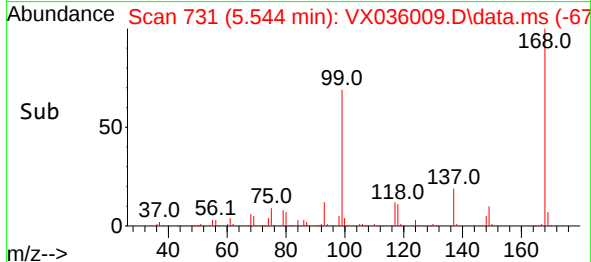
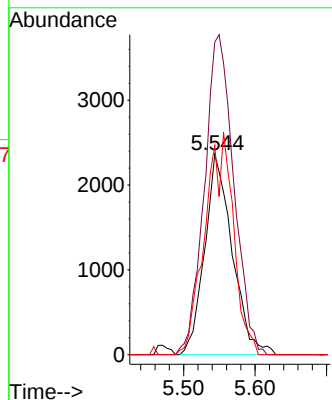


#31
Cyclohexane
Concen: 1.621 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

Instrument :
MSVOA_X
ClientSampleId :
B-45(OW)

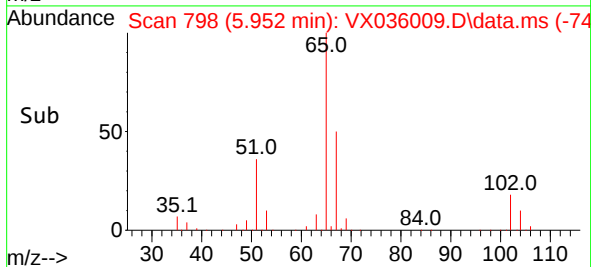
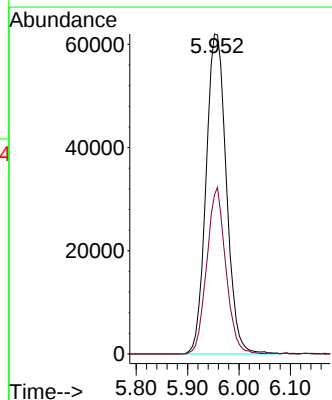
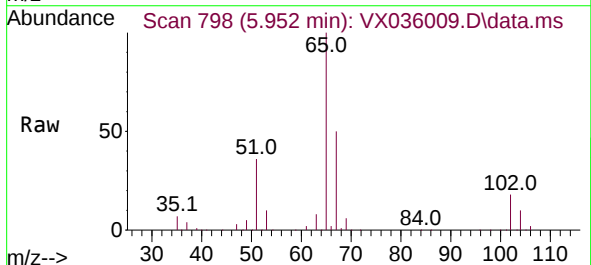


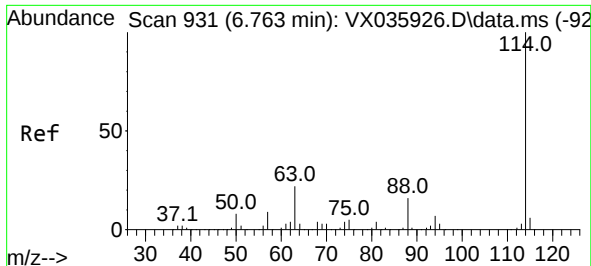
Tgt Ion: 56 Resp: 6347
Ion Ratio Lower Upper
56 100
69 156.0 25.9 38.9#
84 104.5 67.6 101.4#



#33
1,2-Dichloroethane-d4
Concen: 45.528 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

Tgt Ion: 65 Resp: 170303
Ion Ratio Lower Upper
65 100
67 48.7 0.0 99.6

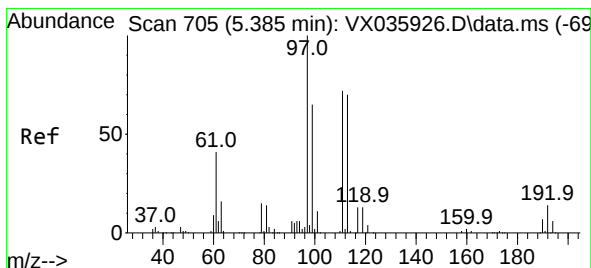
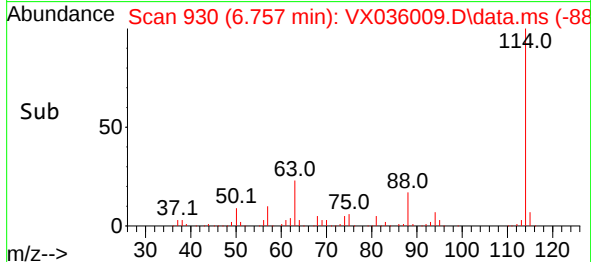
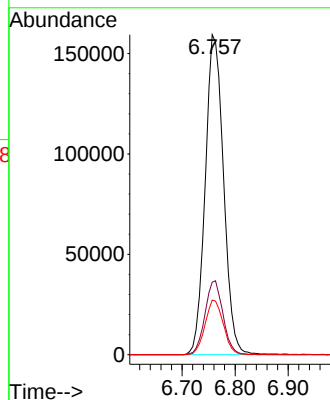
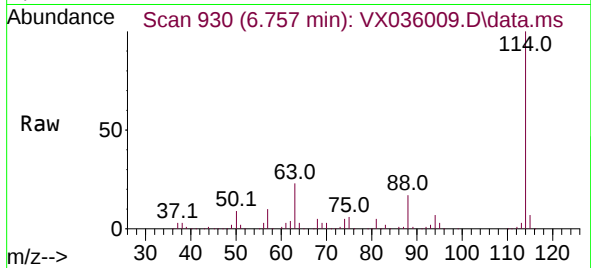




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

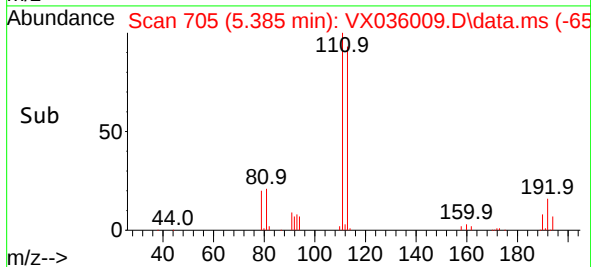
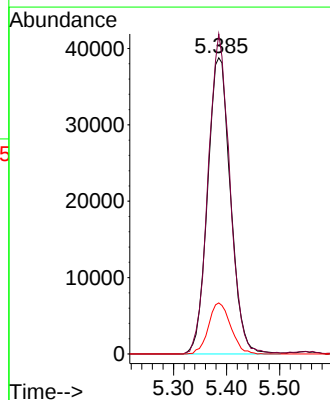
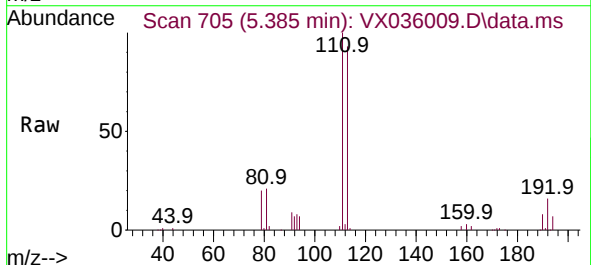
Instrument :
MSVOA_X
ClientSampleId :
B-45(OW)

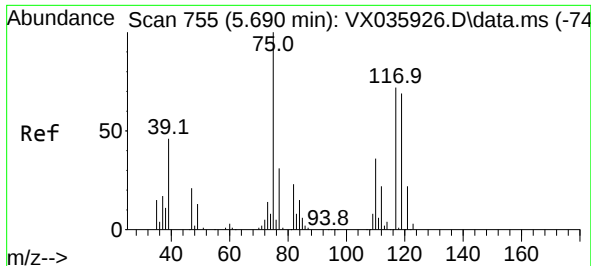
Tgt Ion:114 Resp: 383153
Ion Ratio Lower Upper
114 100
63 22.7 0.0 46.0
88 17.1 0.0 35.2



#35
Dibromofluoromethane
Concen: 45.168 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

Tgt Ion:113 Resp: 116401
Ion Ratio Lower Upper
113 100
111 102.4 81.7 122.5
192 16.7 13.5 20.3





#36

1,1-Dichloropropene

Concen: 6.412 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX036009.D

Acq: 05 Jun 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

B-45(OW)

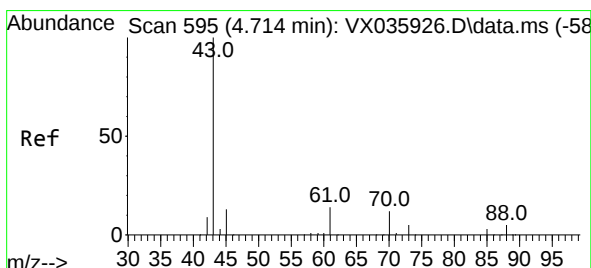
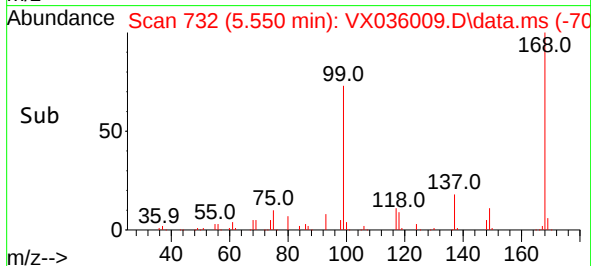
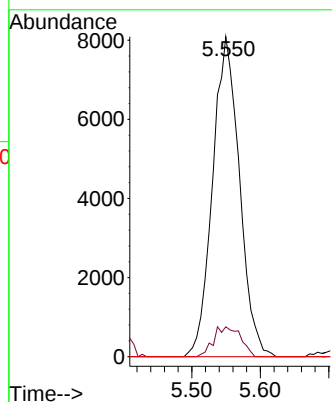
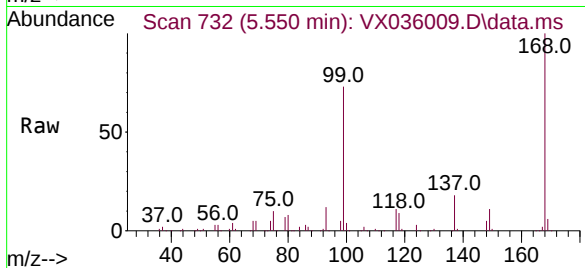
Tgt Ion: 75 Resp: 22032

Ion Ratio Lower Upper

75 100

110 9.4 16.6 49.7#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.579 ug/l

RT: 4.586 min Scan# 574

Delta R.T. -0.122 min

Lab File: VX036009.D

Acq: 05 Jun 2023 17:39

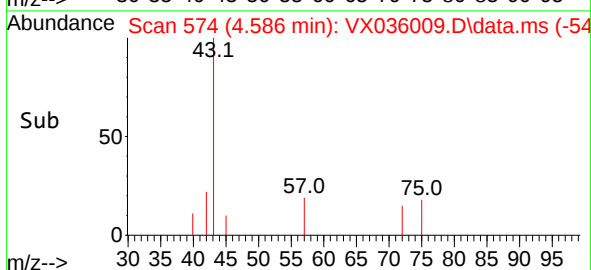
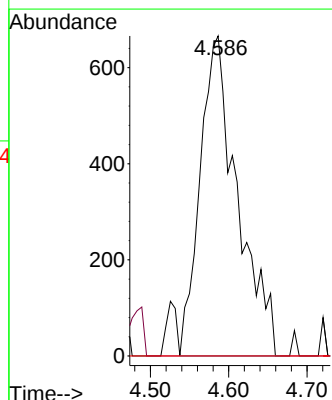
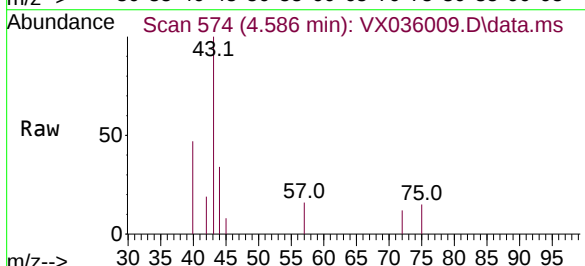
Tgt Ion: 43 Resp: 2214

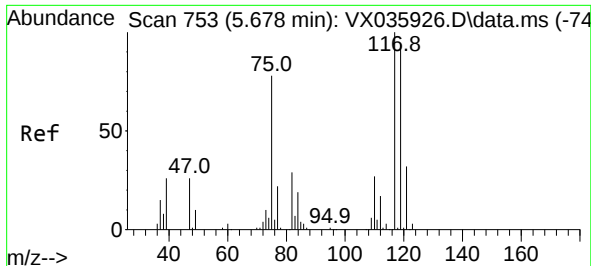
Ion Ratio Lower Upper

43 100

61 0.0 10.3 15.5#

70 0.0 8.3 12.5#

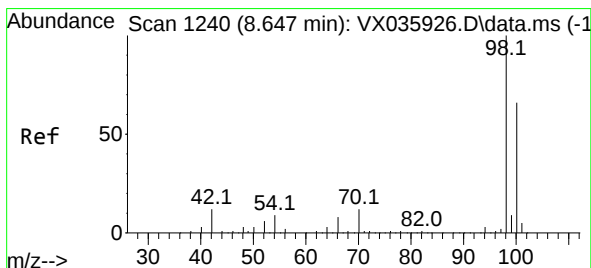
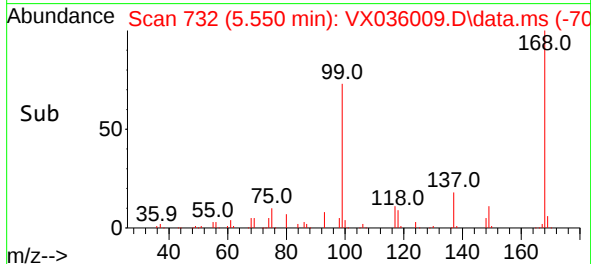
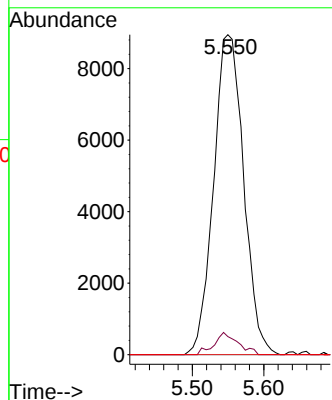
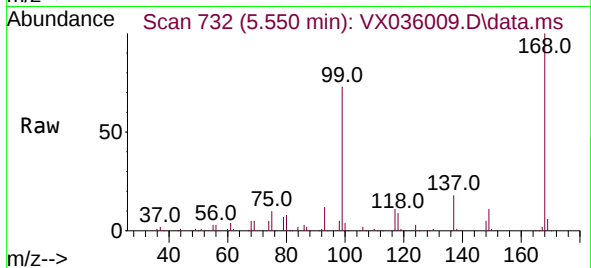




#38
Carbon Tetrachloride
Concen: 7.785 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.127 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

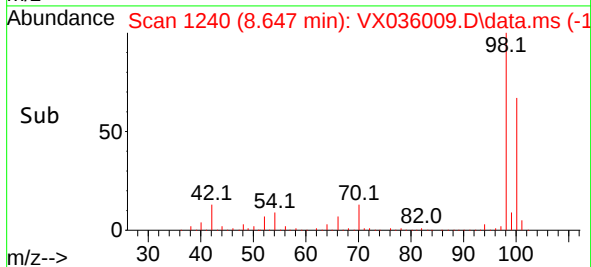
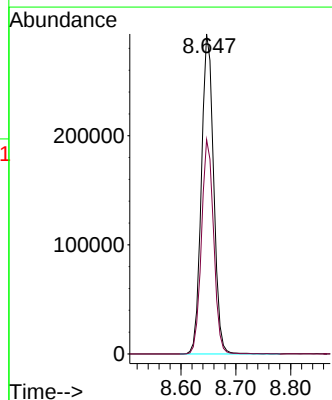
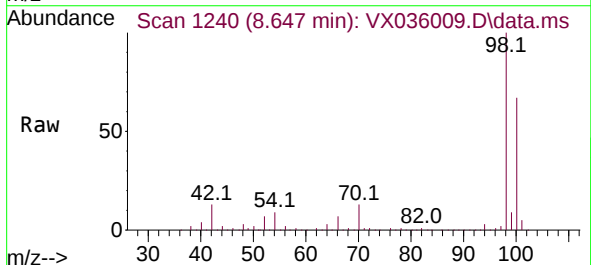
Instrument :
MSVOA_X
ClientSampleId :
B-45(OW)

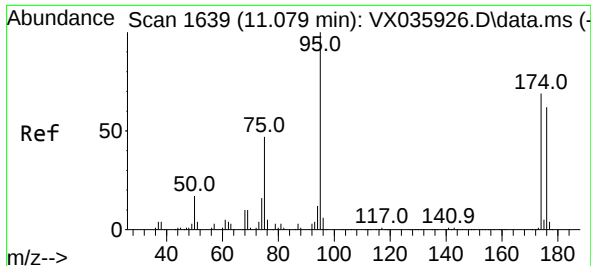
Tgt Ion:117 Resp: 26068
Ion Ratio Lower Upper
117 100
119 5.7 74.1 111.1#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 49.202 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

Tgt Ion: 98 Resp: 455064
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0





#62

4-Bromofluorobenzene

Concen: 47.414 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036009.D

Acq: 05 Jun 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

B-45(OW)

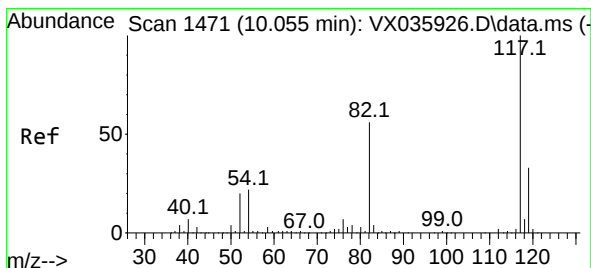
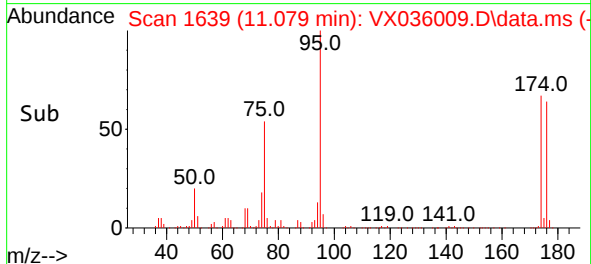
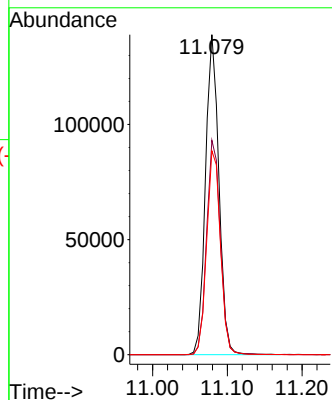
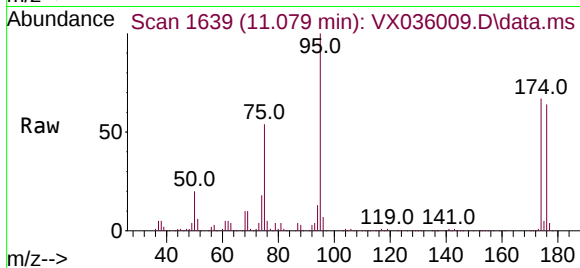
Tgt Ion: 95 Resp: 173113

Ion Ratio Lower Upper

95 100

174 68.6 0.0 132.6

176 65.4 0.0 128.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX036009.D

Acq: 05 Jun 2023 17:39

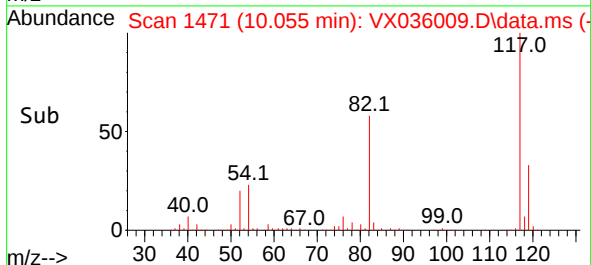
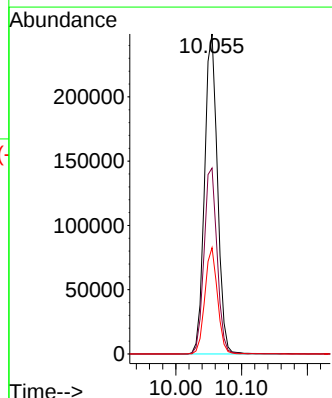
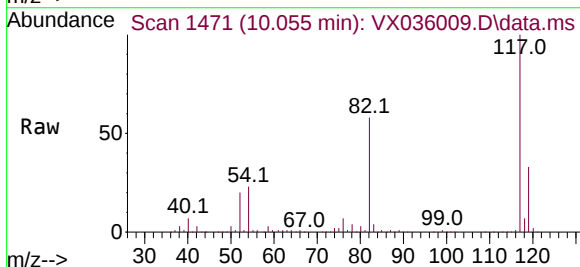
Tgt Ion: 117 Resp: 340454

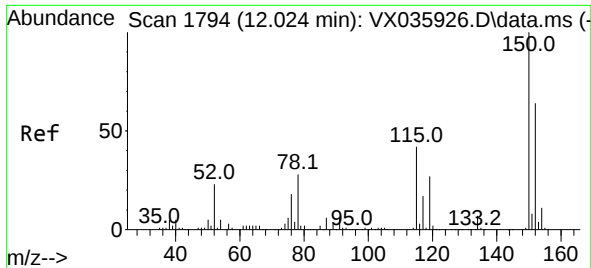
Ion Ratio Lower Upper

117 100

82 58.1 46.6 69.8

119 33.2 25.4 38.2

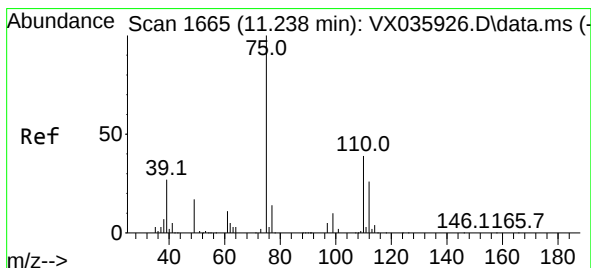
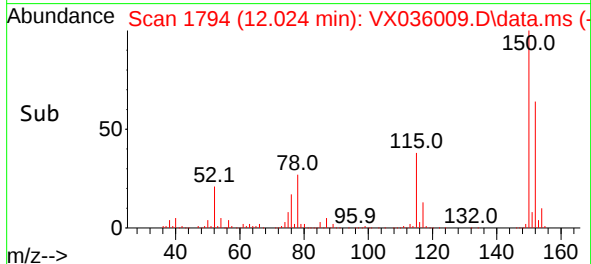
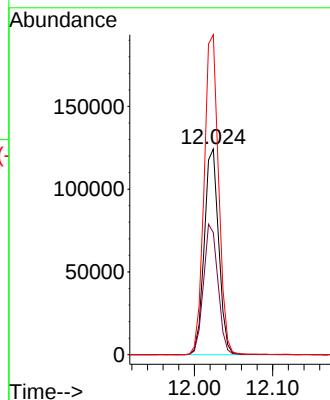
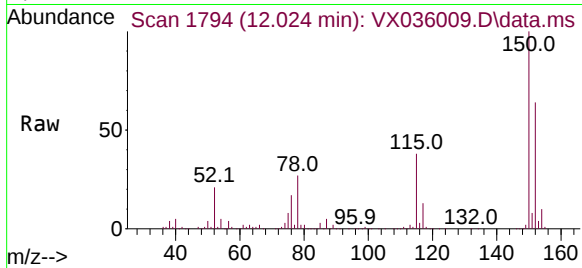




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036009.D
 Acq: 05 Jun 2023 17:39

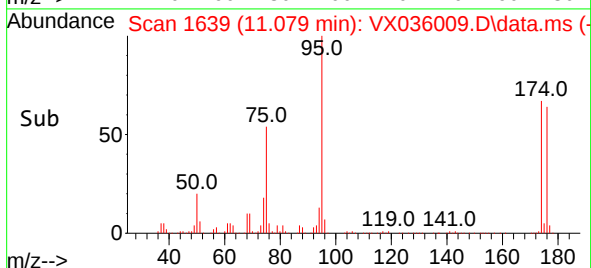
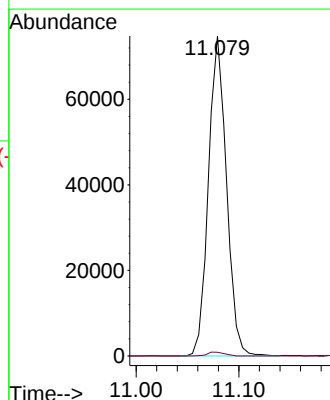
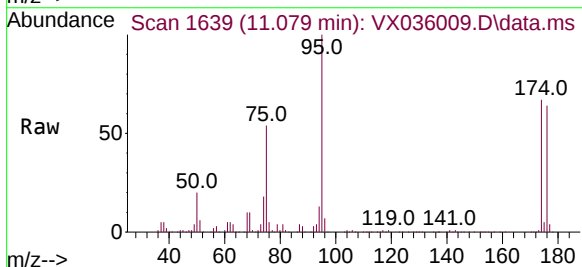
Instrument :
 MSVOA_X
 ClientSampleId :
 B-45(OW)

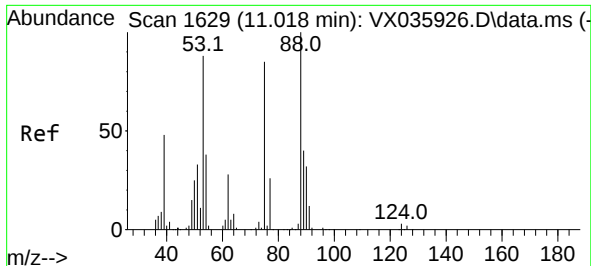
Tgt Ion:152 Resp: 158918
 Ion Ratio Lower Upper
 152 100
 115 63.6 45.5 136.5
 150 156.0 0.0 345.2



#76
 1,2,3-Trichloropropane
 Concen: 25.537 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX036009.D
 Acq: 05 Jun 2023 17:39

Tgt Ion: 75 Resp: 91531
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.4 64.2#

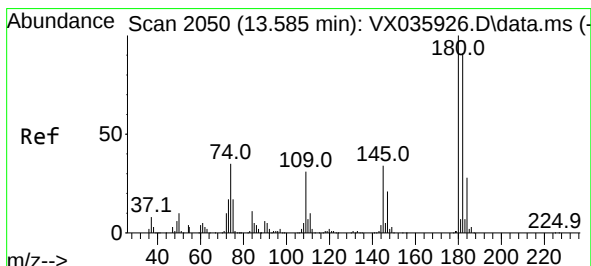
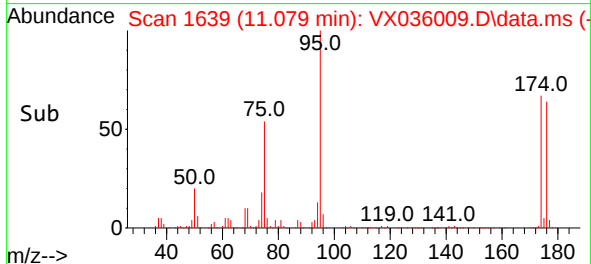
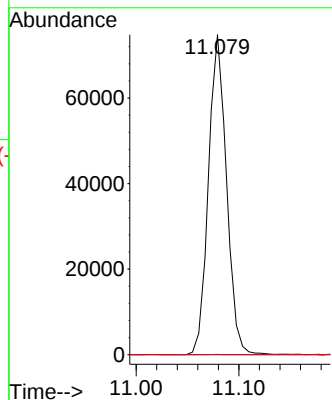
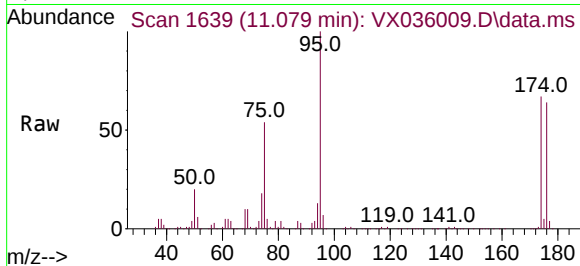




#81
trans-1,4-Dichloro-2-butene
Concen: 86.015 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

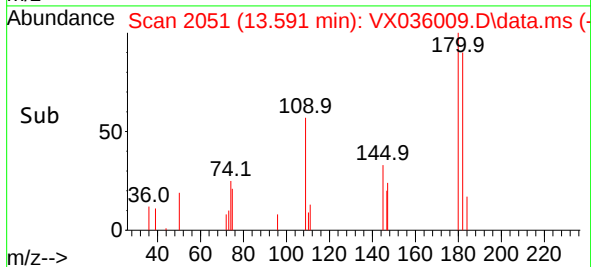
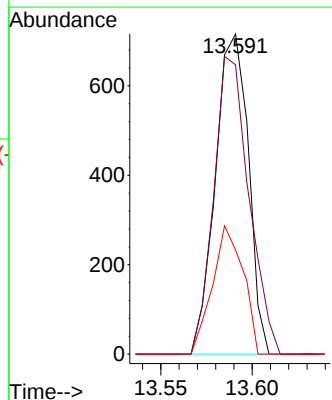
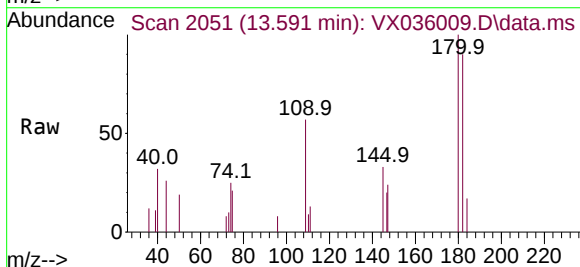
Instrument :
MSVOA_X
ClientSampleId :
B-45(OW)

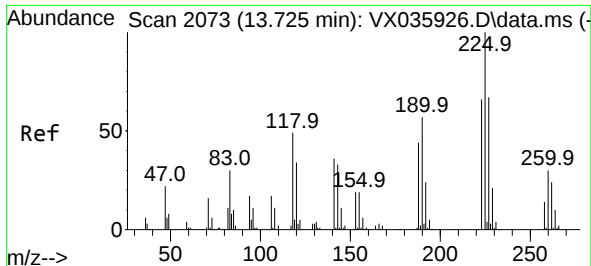
Tgt Ion: 75 Resp: 91531
Ion Ratio Lower Upper
75 100
53 0.0 95.2 142.8#
89 0.1 38.0 57.0#



#93
1,2,4-Trichlorobenzene
Concen: 0.296 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036009.D
Acq: 05 Jun 2023 17:39

Tgt Ion:180 Resp: 898
Ion Ratio Lower Upper
180 100
182 99.1 47.3 141.8
145 37.4 17.3 51.9





#94

Hexachlorobutadiene

Concen: 0.844 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX036009.D

Acq: 05 Jun 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

B-45(OW)

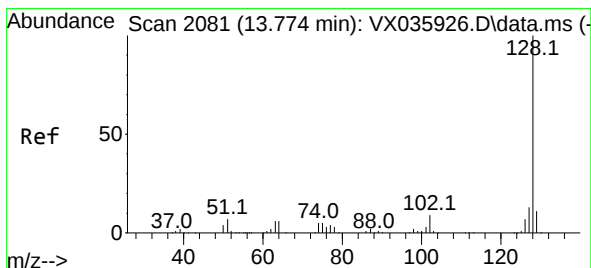
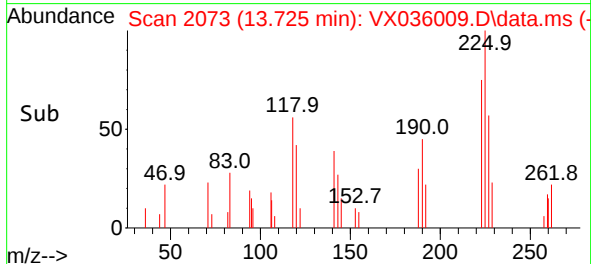
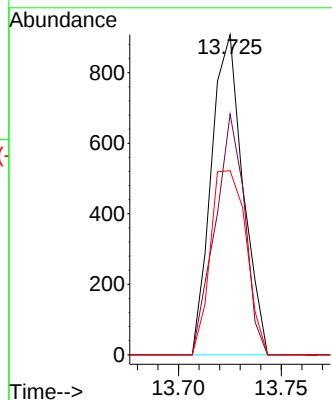
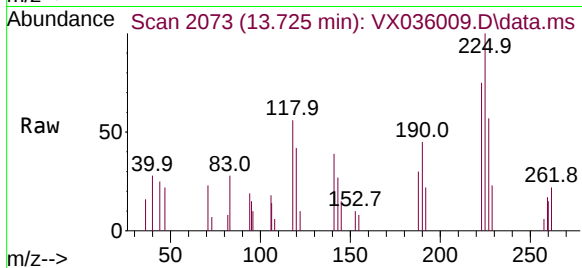
Tgt Ion:225 Resp: 973

Ion Ratio Lower Upper

225 100

223 69.9 32.6 97.7

227 64.9 31.9 95.7



#95

Naphthalene

Concen: 0.290 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX036009.D

Acq: 05 Jun 2023 17:39

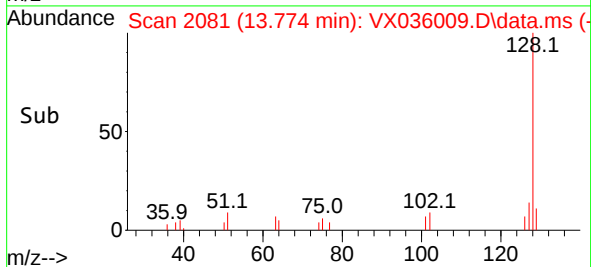
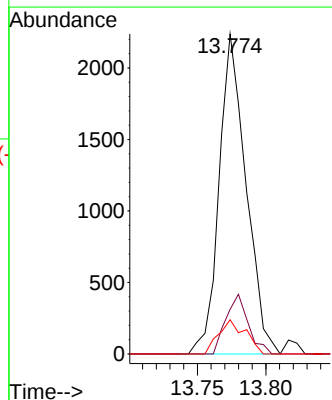
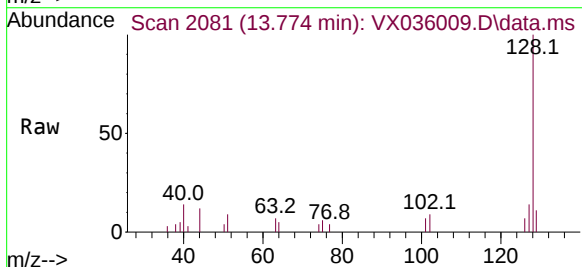
Tgt Ion:128 Resp: 3054

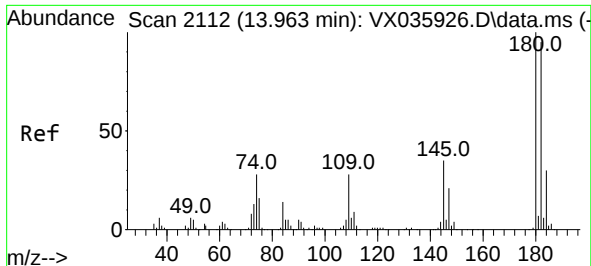
Ion Ratio Lower Upper

128 100

127 15.4 10.3 15.5

129 10.6 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.371 ug/l

RT: 13.963 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX036009.D

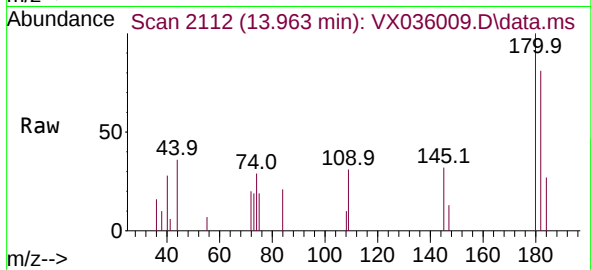
Acq: 05 Jun 2023 17:39

Instrument :

MSVOA_X

ClientSampleId :

B-45(OW)



Tgt Ion:180 Resp: 1108

Ion Ratio Lower Upper

180 100

182 91.7 46.9 140.7

145 39.3 18.1 54.3

