

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036209.D
 Acq On : 19 Jun 2023 16:27
 Operator : JC/MD
 Sample : 03238-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PMW-2

Quant Time: Jun 20 03:44:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 16 16:28:40 2023
 Response via : Initial Calibration

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

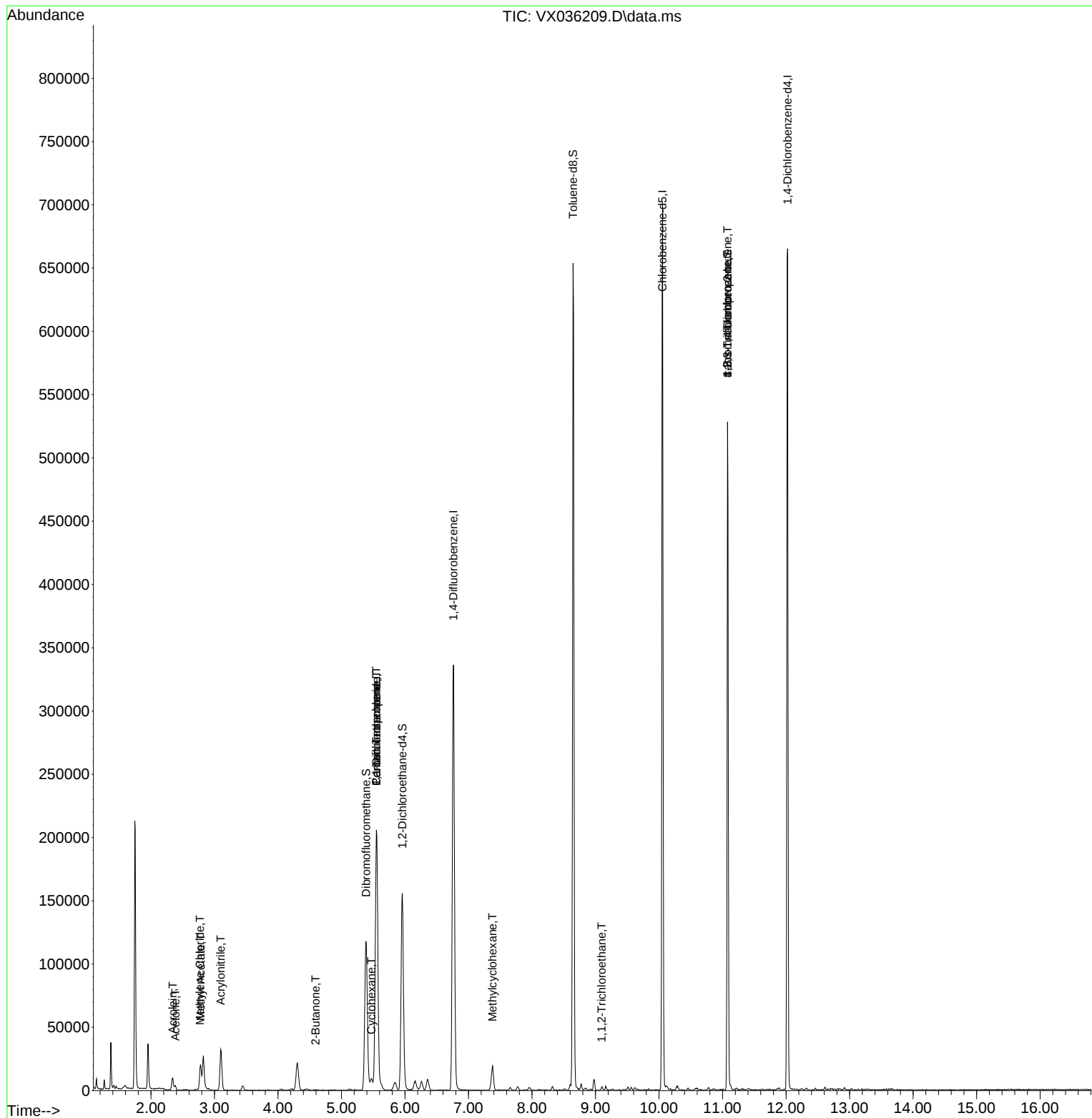
Internal Standards						
1) Pentafluorobenzene	5.550	168	170635	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	316331	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	284026	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	160667	51.525	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.040%	
35) Dibromofluoromethane	5.385	113	102787	47.917	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 95.840%	
50) Toluene-d8	8.647	98	364194	46.414	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 92.820%	
62) 4-Bromofluorobenzene	11.079	95	140788	44.450	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 88.900%	
Target Compounds						
					Qvalue	
13) Acrolein	2.343	56	1377	2.601	ug/l	89
15) Acrylonitrile	3.099	53	954	0.782	ug/l #	38
16) Acetone	2.386	43	3719	2.871	ug/l	96
18) Methyl Acetate	2.782	43	12493	2.543	ug/l #	53
20) Methylene Chloride	2.770	84	691	0.294	ug/l #	42
25) 2-Butanone	4.593	43	603	0.332	ug/l #	51
31) Cyclohexane	5.471	56	5211	1.558	ug/l	95
36) 1,1-Dichloropropene	5.550	75	17095	5.410	ug/l #	51
38) Carbon Tetrachloride	5.550	117	20549	6.690	ug/l #	15
39) Methylcyclohexane	7.379	83	7111	2.090	ug/l	91
55) 1,1,2-Trichloroethane	9.098	97	1067	0.465	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	79132	26.310	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	79132	92.091	ug/l #	5

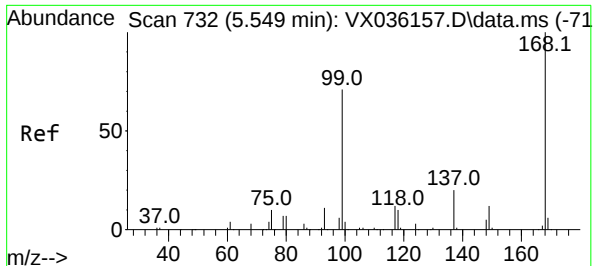
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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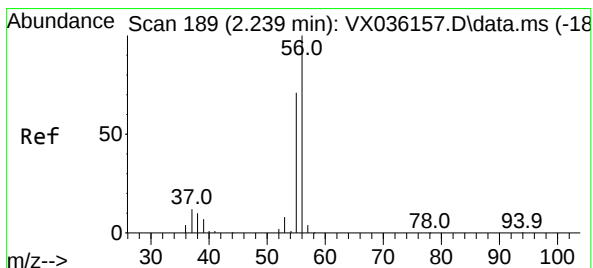
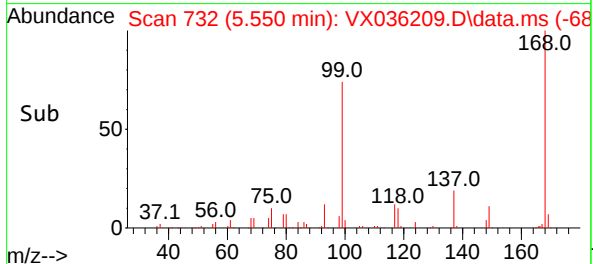
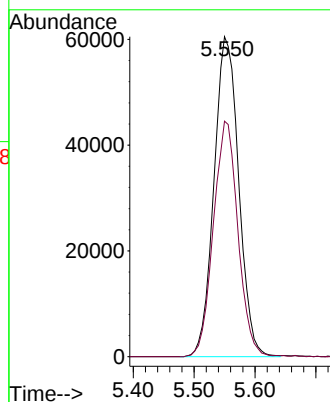
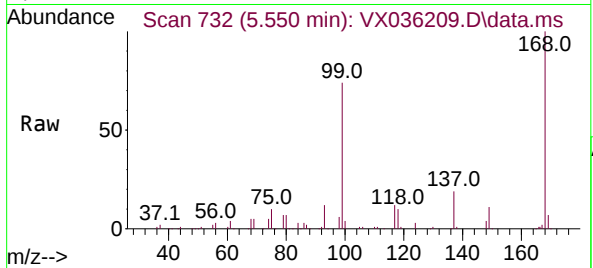




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036209.D
Acq: 19 Jun 2023 16:27

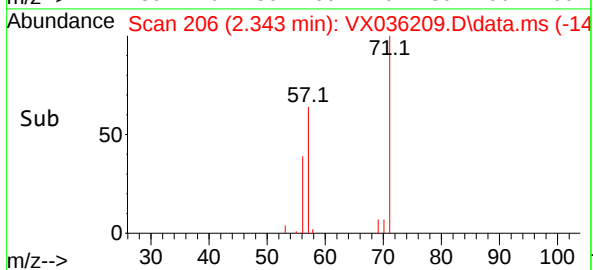
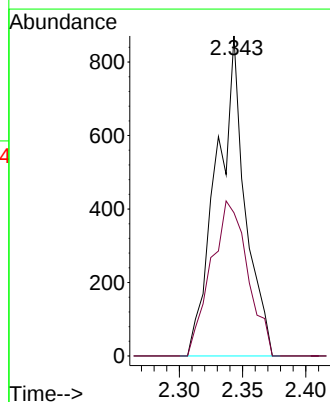
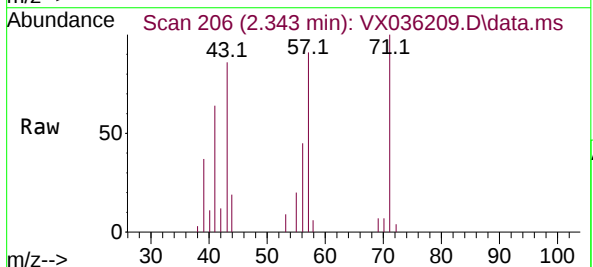
Instrument :
MSVOA_X
ClientSampleId :
PMW-2

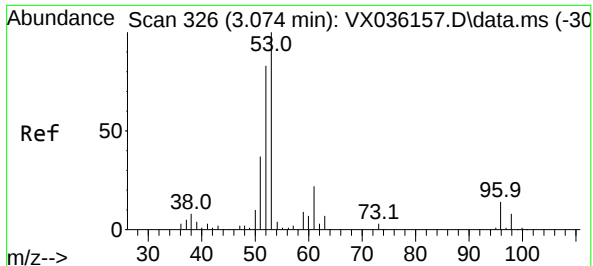
Tgt Ion:168 Resp: 170635
Ion Ratio Lower Upper
168 100
99 73.6 56.6 85.0



#13
Acrolein
Concen: 2.601 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.104 min
Lab File: VX036209.D
Acq: 19 Jun 2023 16:27

Tgt Ion: 56 Resp: 1377
Ion Ratio Lower Upper
56 100
55 61.9 57.1 85.7





#15

Acrylonitrile

Concen: 0.782 ug/l

RT: 3.099 min Scan# 31

Delta R.T. 0.025 min

Lab File: VX036209.D

Acq: 19 Jun 2023 16:27

Instrument :

MSVOA_X

ClientSampleId :

PMW-2

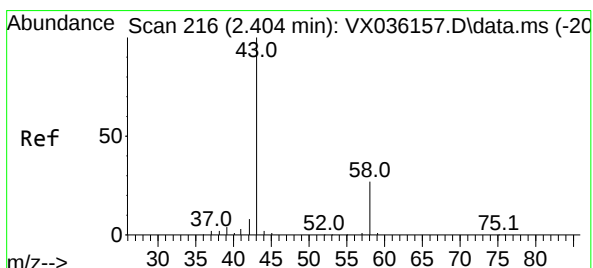
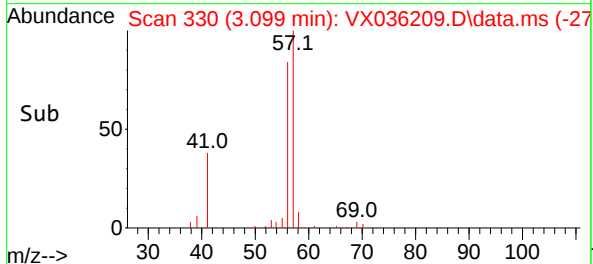
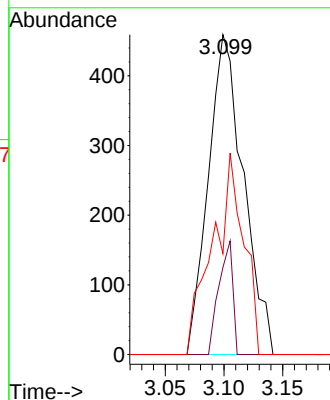
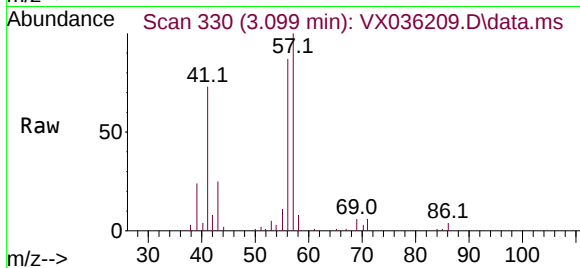
Tgt Ion: 53 Resp: 954

Ion Ratio Lower Upper

53 100

52 13.9 66.0 99.0#

51 55.6 29.8 44.6#



#16

Acetone

Concen: 2.871 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.018 min

Lab File: VX036209.D

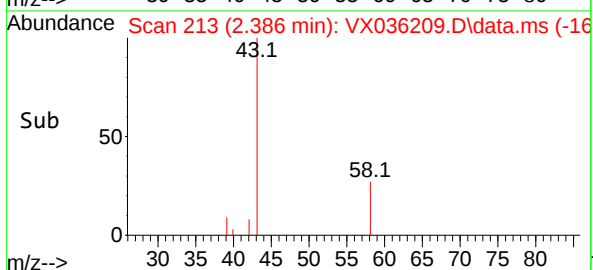
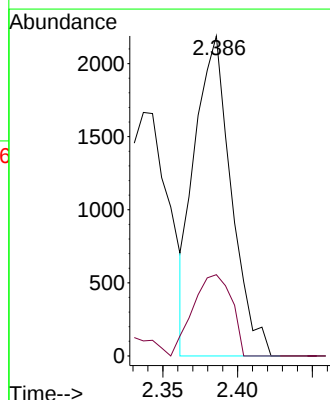
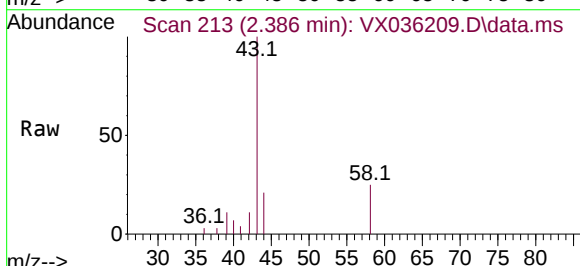
Acq: 19 Jun 2023 16:27

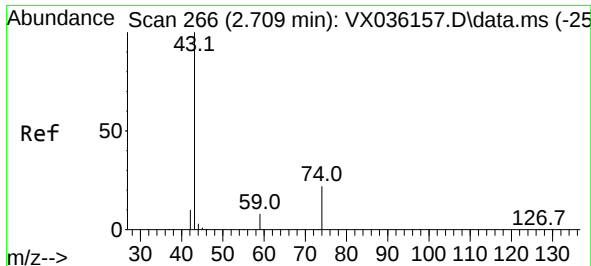
Tgt Ion: 43 Resp: 3719

Ion Ratio Lower Upper

43 100

58 25.4 21.9 32.9





#18

Methyl Acetate

Concen: 2.543 ug/l

RT: 2.782 min Scan# 21

Delta R.T. 0.073 min

Lab File: VX036209.D

Acq: 19 Jun 2023 16:27

Instrument :

MSVOA_X

ClientSampleId :

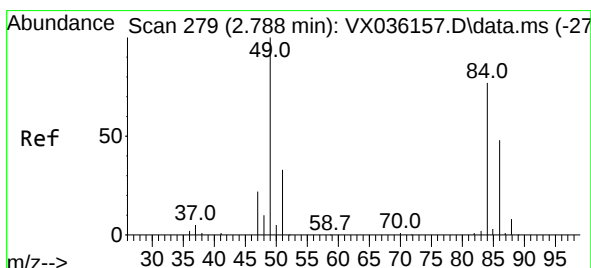
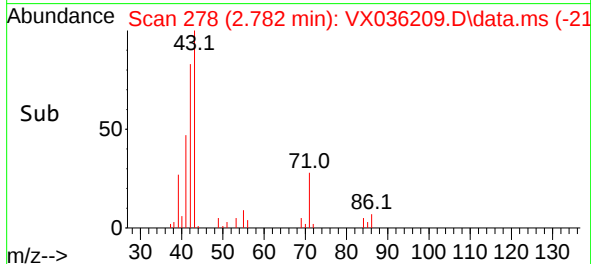
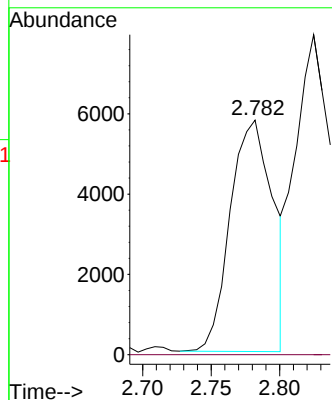
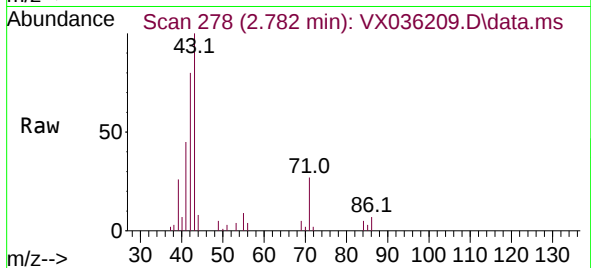
PMW-2

Tgt Ion: 43 Resp: 12493

Ion Ratio Lower Upper

43 100

74 0.0 17.8 26.8#



#20

Methylene Chloride

Concen: 0.294 ug/l

RT: 2.770 min Scan# 276

Delta R.T. -0.018 min

Lab File: VX036209.D

Acq: 19 Jun 2023 16:27

Tgt Ion: 84 Resp: 691

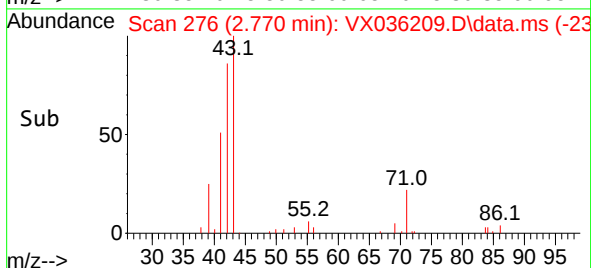
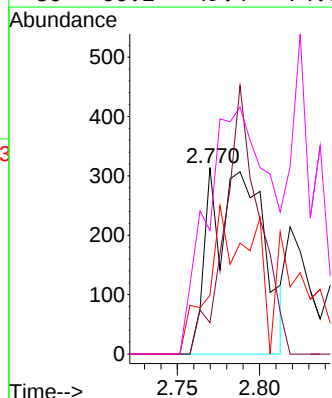
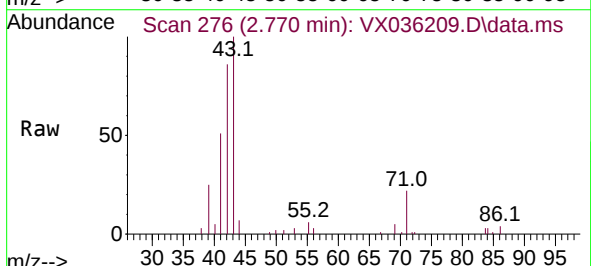
Ion Ratio Lower Upper

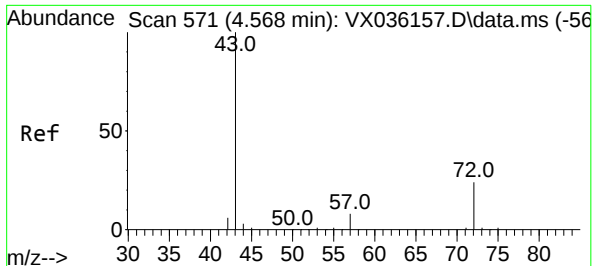
84 100

49 16.9 103.6 155.4#

51 31.5 33.8 50.6#

86 66.2 49.4 74.0





#25

2-Butanone

Concen: 0.332 ug/l

RT: 4.593 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX036209.D

Acq: 19 Jun 2023 16:27

Instrument :

MSVOA_X

ClientSampleId :

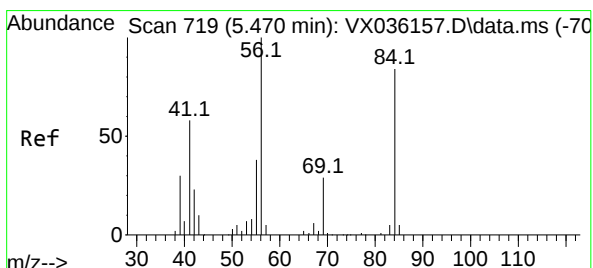
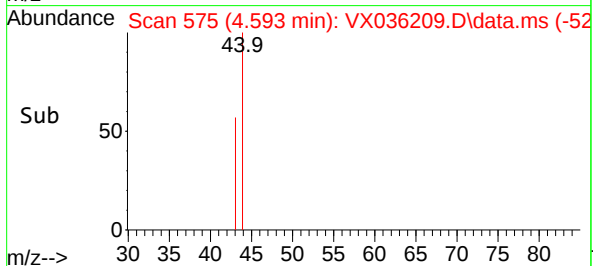
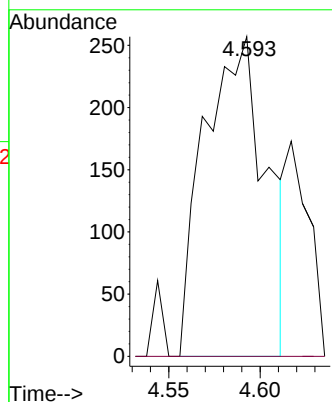
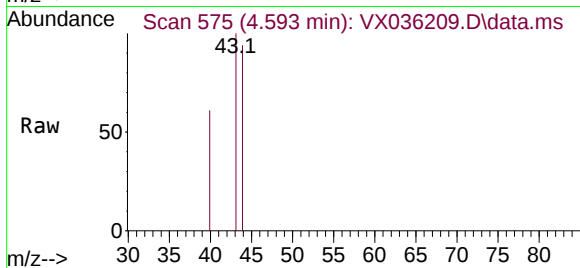
PMW-2

Tgt Ion: 43 Resp: 603

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#31

Cyclohexane

Concen: 1.558 ug/l

RT: 5.471 min Scan# 719

Delta R.T. 0.001 min

Lab File: VX036209.D

Acq: 19 Jun 2023 16:27

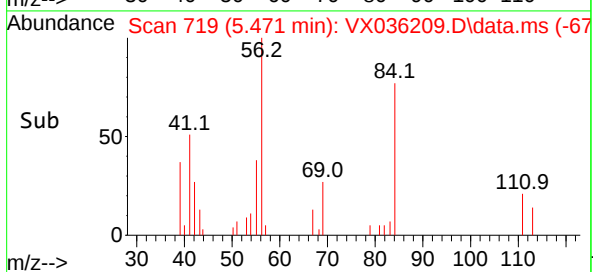
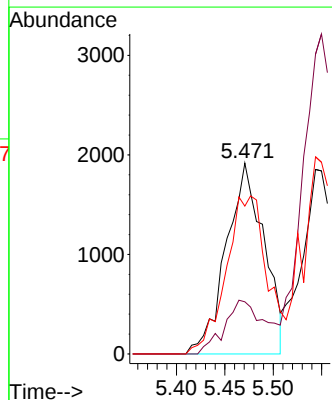
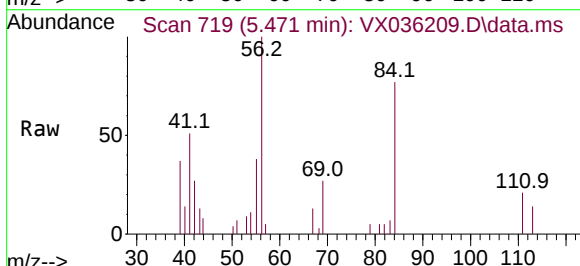
Tgt Ion: 56 Resp: 5211

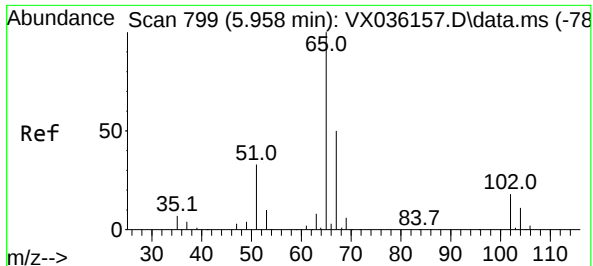
Ion Ratio Lower Upper

56 100

69 27.3 23.4 35.2

84 77.4 65.9 98.9





#33

1,2-Dichloroethane-d4

Concen: 51.525 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX036209.D

Acq: 19 Jun 2023 16:27

Instrument :

MSVOA_X

ClientSampleId :

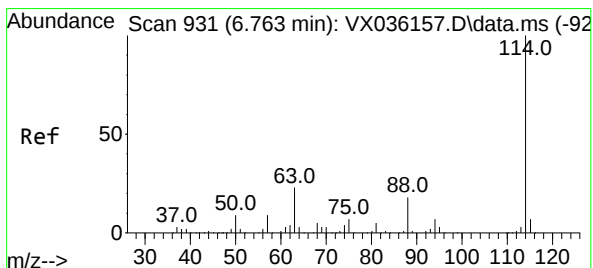
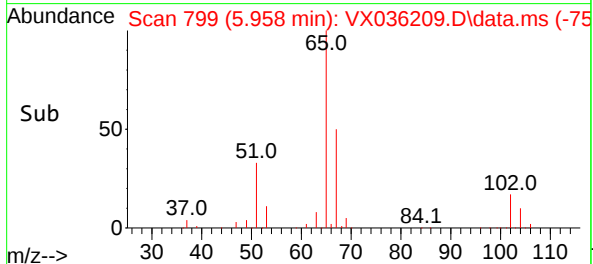
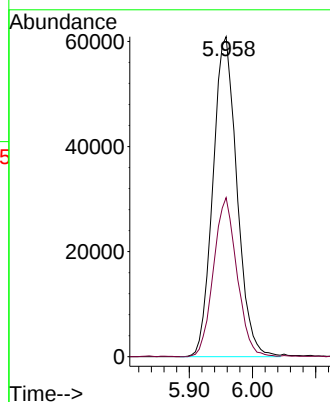
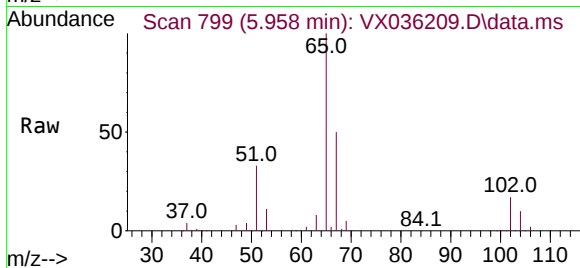
PMW-2

Tgt Ion: 65 Resp: 160667

Ion Ratio Lower Upper

65 100

67 48.5 0.0 100.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX036209.D

Acq: 19 Jun 2023 16:27

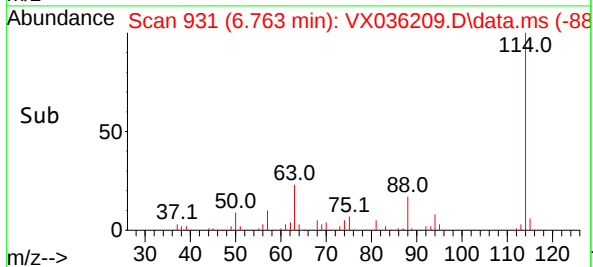
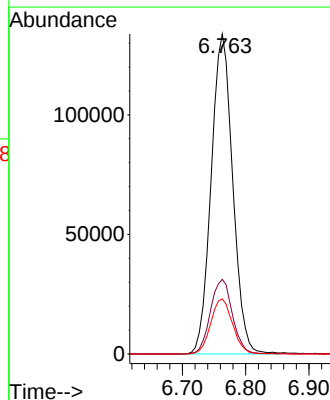
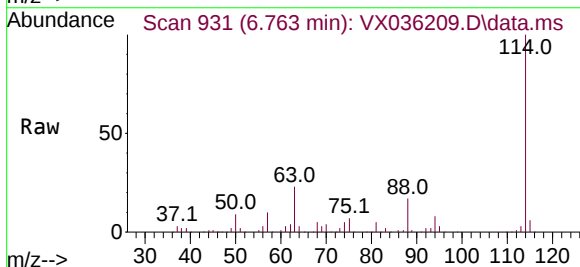
Tgt Ion: 114 Resp: 316331

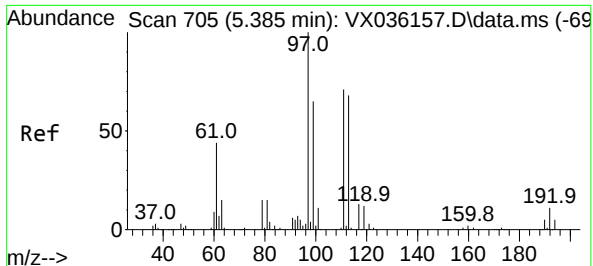
Ion Ratio Lower Upper

114 100

63 23.3 0.0 45.0

88 17.2 0.0 36.6

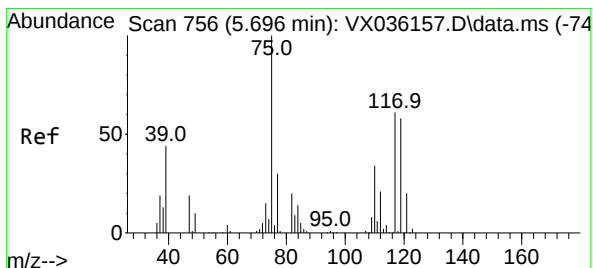
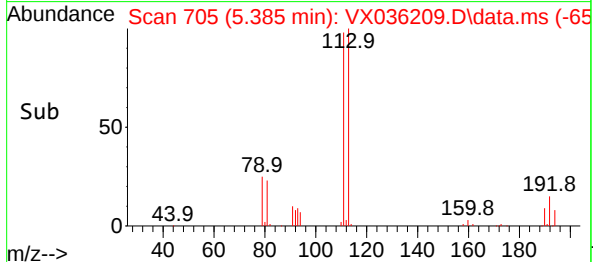
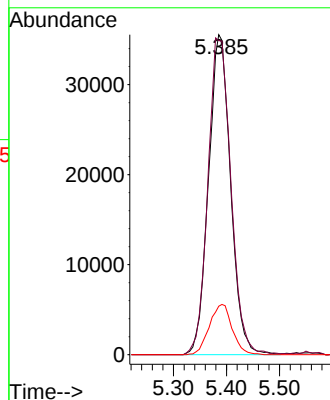
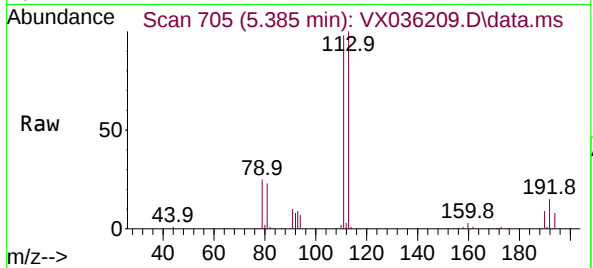




#35
Dibromofluoromethane
Concen: 47.917 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036209.D
Acq: 19 Jun 2023 16:27

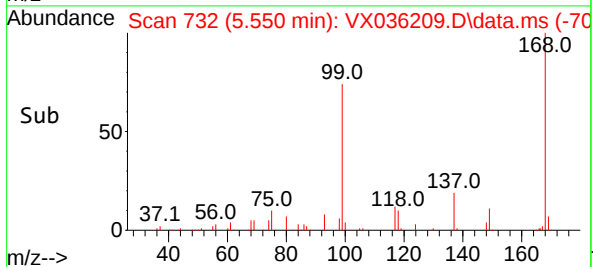
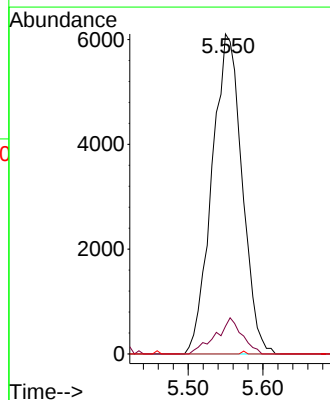
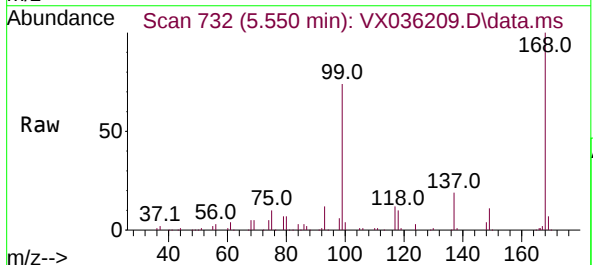
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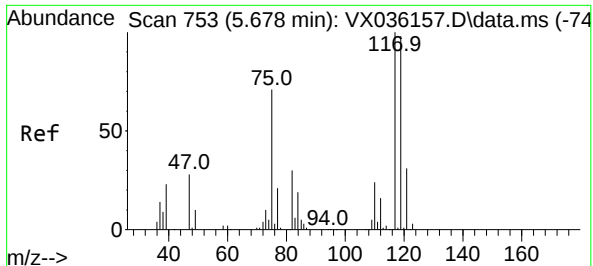
Tgt Ion:113 Resp: 102787
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 16.3 13.3 19.9



#36
1,1-Dichloropropene
Concen: 5.410 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036209.D
Acq: 19 Jun 2023 16:27

Tgt Ion: 75 Resp: 17095
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#

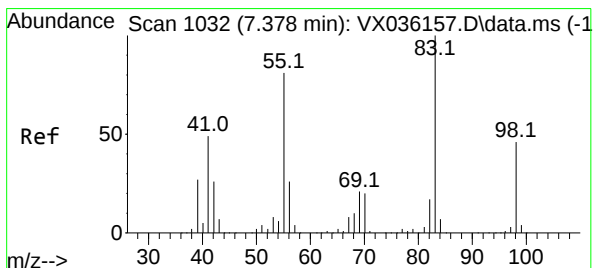
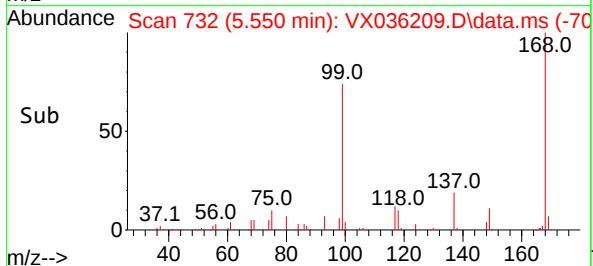
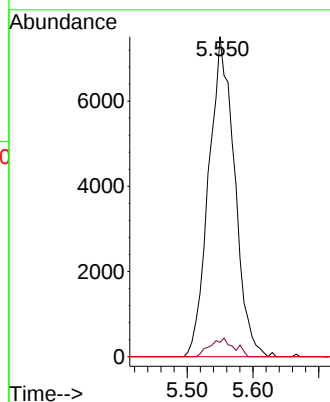
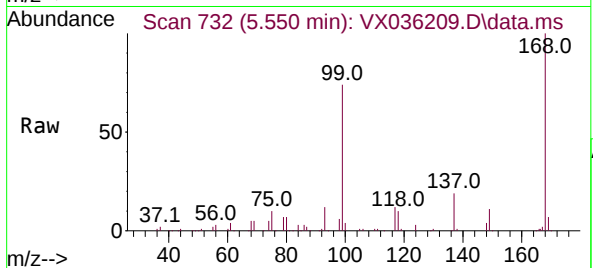




#38
Carbon Tetrachloride
Concen: 6.690 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036209.D
Acq: 19 Jun 2023 16:27

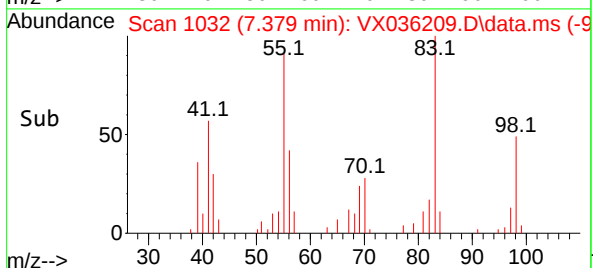
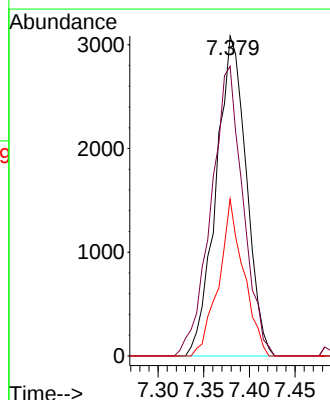
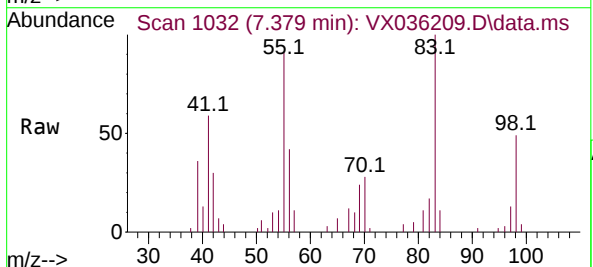
Instrument :
MSVOA_X
ClientSampleId :
PMW-2

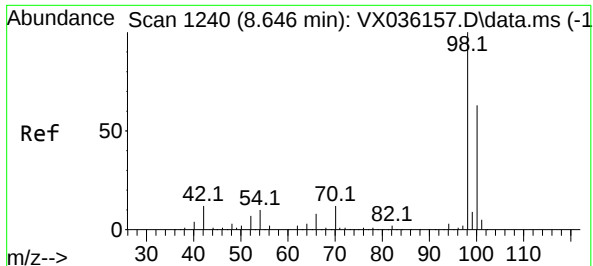
Tgt Ion:117 Resp: 20549
Ion Ratio Lower Upper
117 100
119 4.5 78.2 117.2#
121 0.0 24.4 36.6#



#39
Methylcyclohexane
Concen: 2.090 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.001 min
Lab File: VX036209.D
Acq: 19 Jun 2023 16:27

Tgt Ion: 83 Resp: 7111
Ion Ratio Lower Upper
83 100
55 90.5 64.6 97.0
98 49.0 36.7 55.1

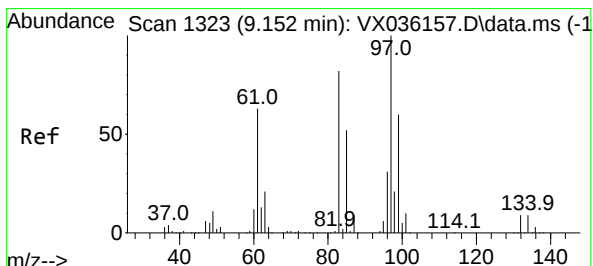
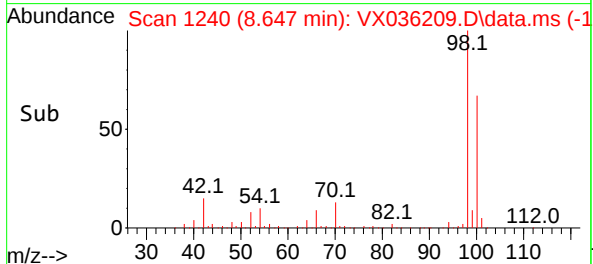
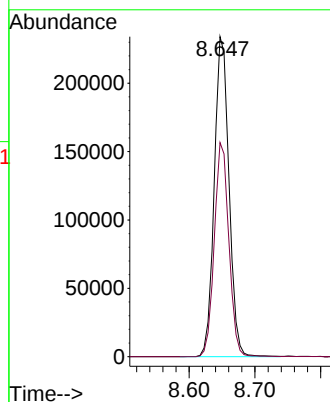
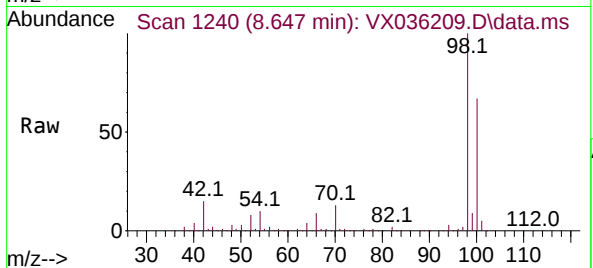




#50
Toluene-d8
Concen: 46.414 ug/l
RT: 8.647 min Scan# 1314
Delta R.T. 0.001 min
Lab File: VX036209.D
Acq: 19 Jun 2023 16:27

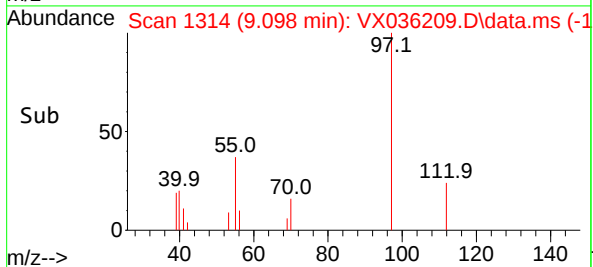
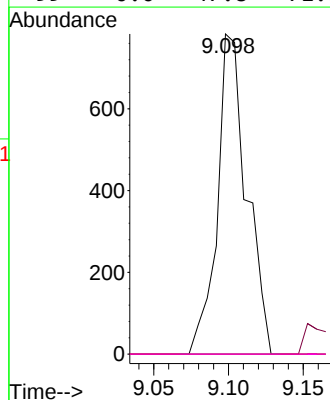
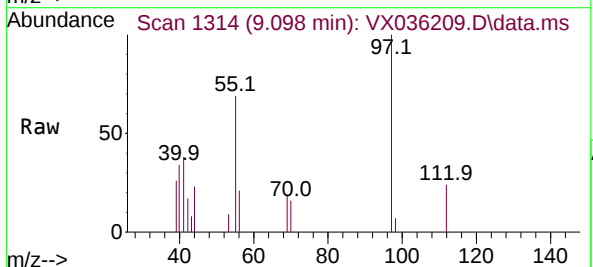
Instrument :
MSVOA_X
ClientSampleId :
PMW-2

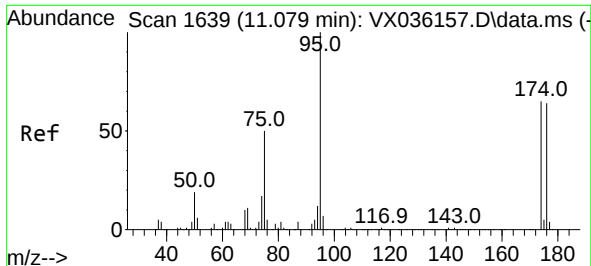
Tgt Ion: 98 Resp: 364194
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7



#55
1,1,2-Trichloroethane
Concen: 0.465 ug/l
RT: 9.098 min Scan# 1314
Delta R.T. -0.054 min
Lab File: VX036209.D
Acq: 19 Jun 2023 16:27

Tgt Ion: 97 Resp: 1067
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 41.6 62.4#
99 0.0 47.8 71.8#





#62

4-Bromofluorobenzene

Concen: 44.450 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036209.D

Acq: 19 Jun 2023 16:27

Instrument :

MSVOA_X

ClientSampleId :

PMW-2

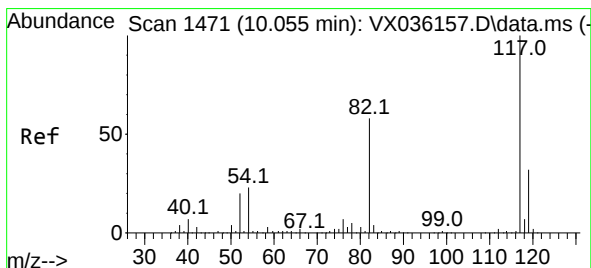
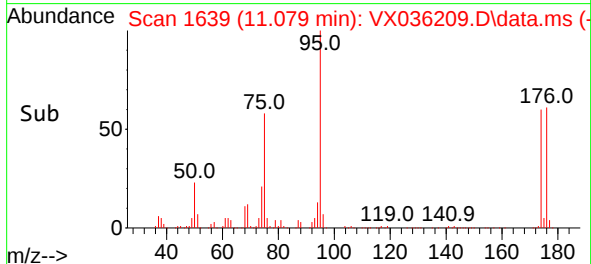
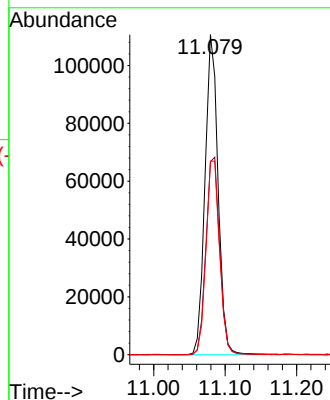
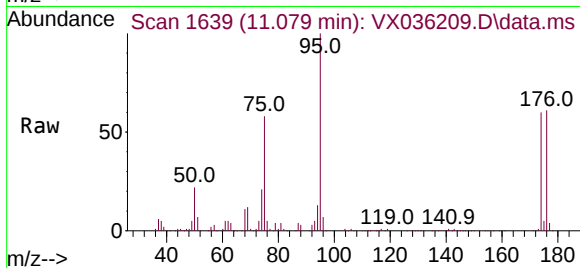
Tgt Ion: 95 Resp: 140788

Ion Ratio Lower Upper

95 100

174 65.0 0.0 135.6

176 62.8 0.0 131.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX036209.D

Acq: 19 Jun 2023 16:27

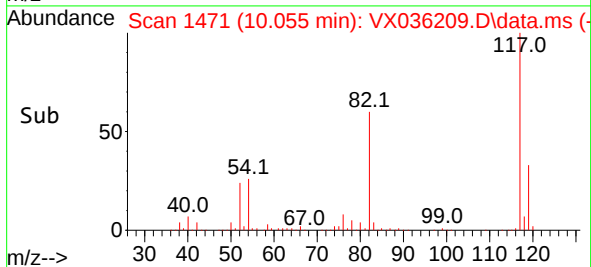
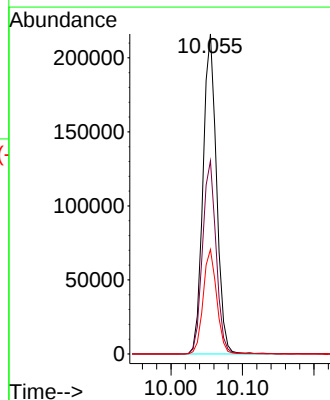
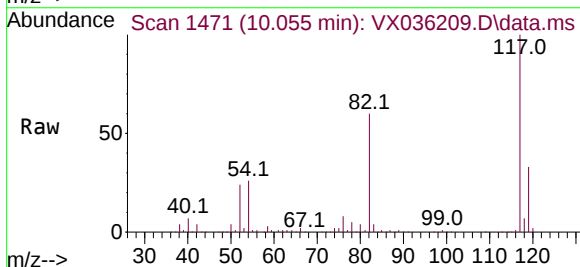
Tgt Ion: 117 Resp: 284026

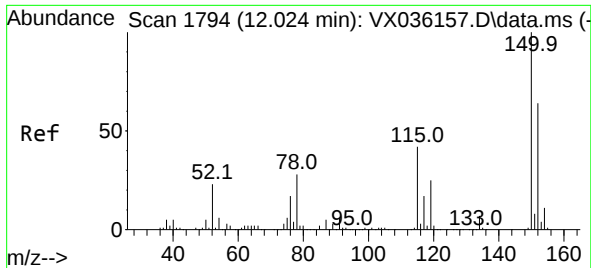
Ion Ratio Lower Upper

117 100

82 60.4 46.2 69.4

119 32.7 25.5 38.3

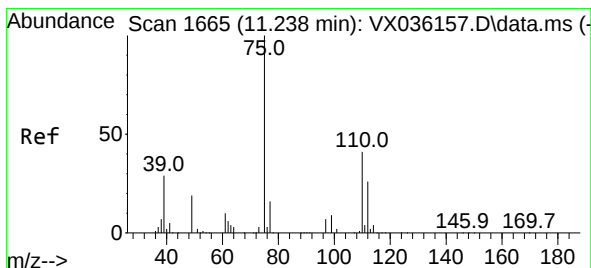
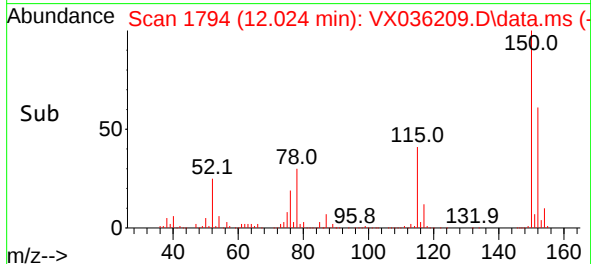
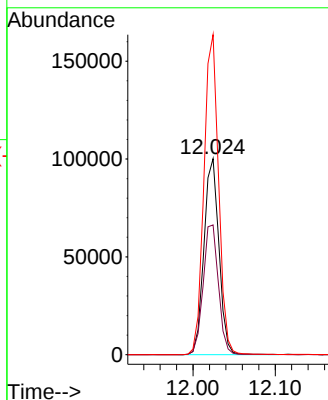
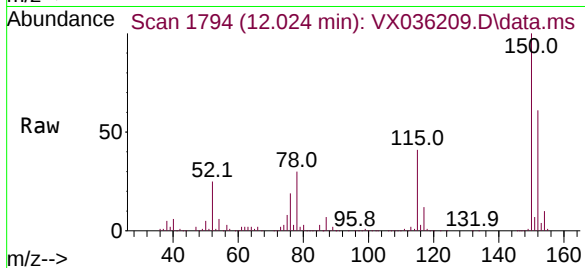




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX036209.D
 Acq: 19 Jun 2023 16:27

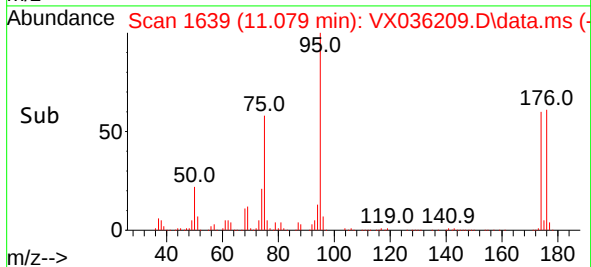
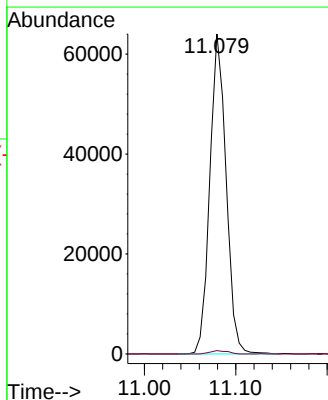
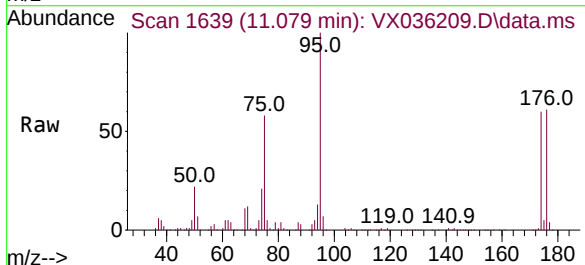
Instrument :
 MSVOA_X
 ClientSampleId :
 PMW-2

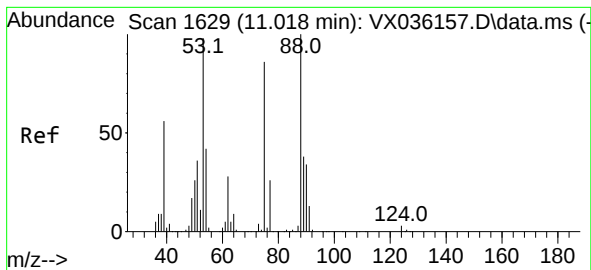
Tgt Ion:152 Resp: 126730
 Ion Ratio Lower Upper
 152 100
 115 67.8 43.3 129.9
 150 159.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 26.310 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX036209.D
 Acq: 19 Jun 2023 16:27

Tgt Ion: 75 Resp: 79132
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.091 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX036209.D
 Acq: 19 Jun 2023 16:27

Instrument :
 MSVOA_X
 ClientSampleId :
 PMW-2

Tgt Ion: 75 Resp: 79132
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.5 135.7#
 89 0.0 36.9 55.3#

