

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062623\
 Data File : VX036325.D
 Acq On : 26 Jun 2023 12:36
 Operator : JC/MD
 Sample : VX0626WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 04:21:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 23 15:03:28 2023
 Response via : Initial Calibration

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

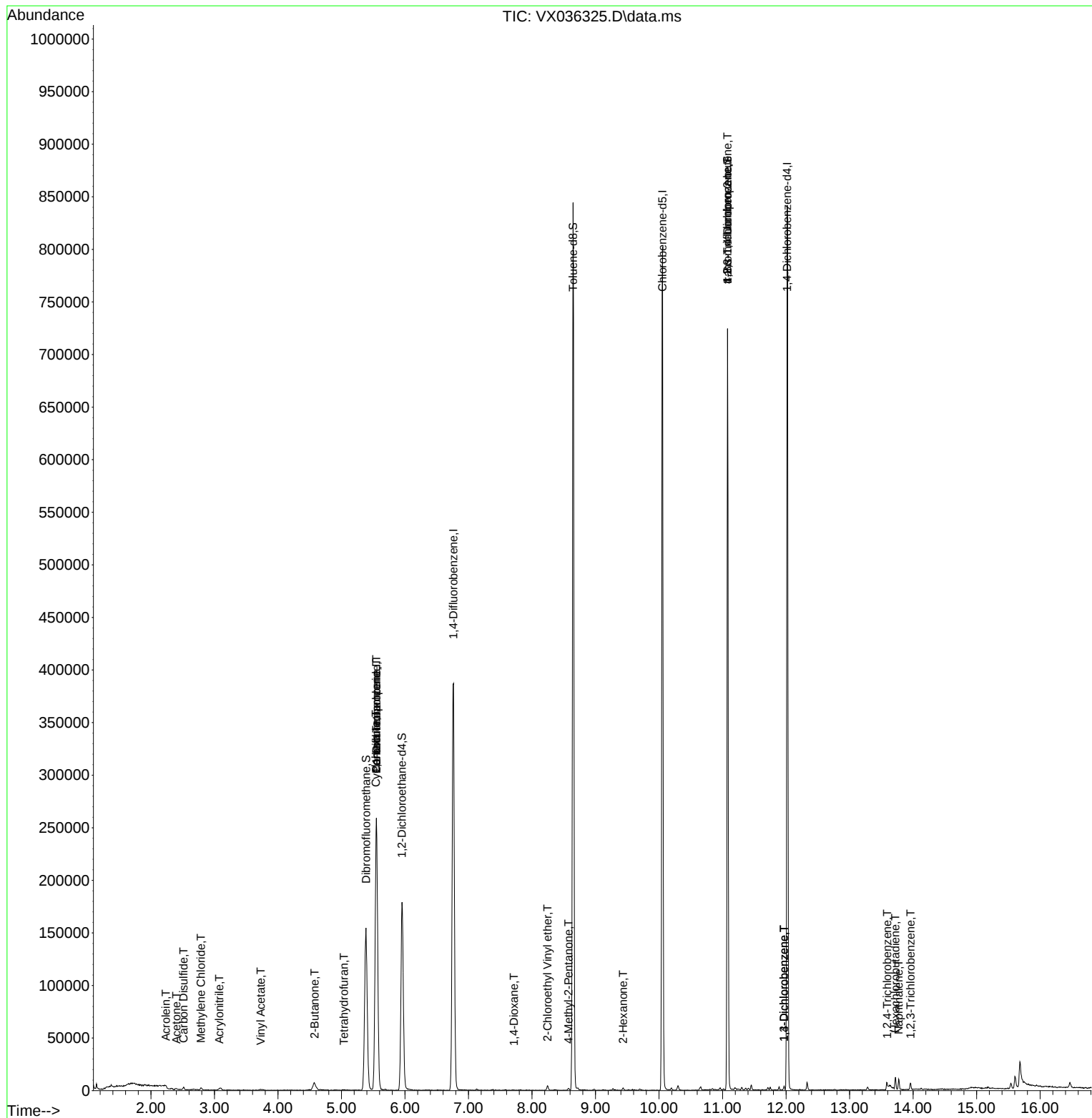
Internal Standards						
1) Pentafluorobenzene	5.550	168	241652	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	400679	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	361315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	173704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	171750	49.583	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.160%			
35) Dibromofluoromethane	5.385	113	133478	50.522	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.040%			
50) Toluene-d8	8.647	98	502288	50.902	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.800%			
62) 4-Bromofluorobenzene	11.079	95	179348	51.600	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.200%			
Target Compounds					Qvalue	
13) Acrolein	2.233	56	841	0.971	ug/l #	70
15) Acrylonitrile	3.075	53	1010	0.632	ug/l #	84
16) Acetone	2.398	43	1684	1.137	ug/l	97
17) Carbon Disulfide	2.514	76	3293	0.488	ug/l #	91
20) Methylene Chloride	2.788	84	949	0.298	ug/l #	76
23) Vinyl Acetate	3.727	43	1953	0.301	ug/l	98
25) 2-Butanone	4.574	43	819	0.385	ug/l #	83
29) Tetrahydrofuran	5.038	42	686	0.507	ug/l #	46
31) Cyclohexane	5.544	56	5580	1.257	ug/l #	30
36) 1,1-Dichloropropene	5.550	75	19416	4.930	ug/l #	50
38) Carbon Tetrachloride	5.550	117	24989	6.947	ug/l #	15
49) 1,4-Dioxane	7.714	88	25	0.353	ug/l #	94
51) 4-Methyl-2-Pentanone	8.574	43	1321	0.320	ug/l #	74
58) 2-Chloroethyl Vinyl ether	8.244	63	1947	0.799	ug/l	94
59) 2-Hexanone	9.433	43	1236	0.410	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	94022	25.376	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	94022	82.719	ug/l #	5
87) 1,3-Dichlorobenzene	11.969	146	1240	0.210	ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	1240	0.206	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	1539	0.429	ug/l	85
94) Hexachlorobutadiene	13.719	225	1793	1.220	ug/l	89
95) Naphthalene	13.774	128	6941	0.585	ug/l	99
96) 1,2,3-Trichlorobenzene	13.963	180	1635	0.467	ug/l	96

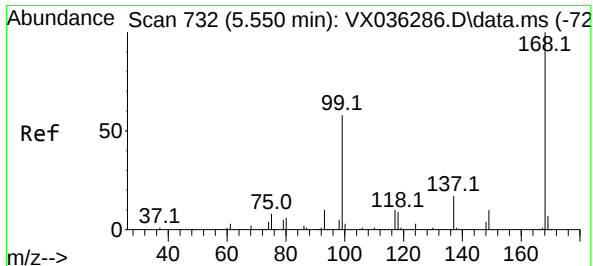
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Jun 27 04:21:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062323W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 23 15:03:28 2023
Response via : Initial Calibration

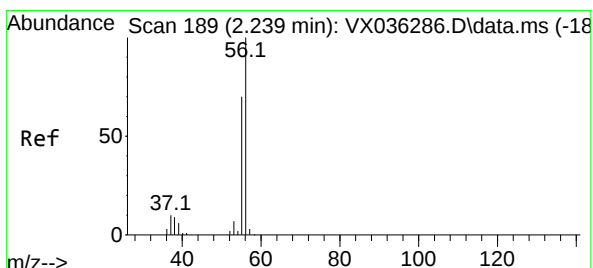
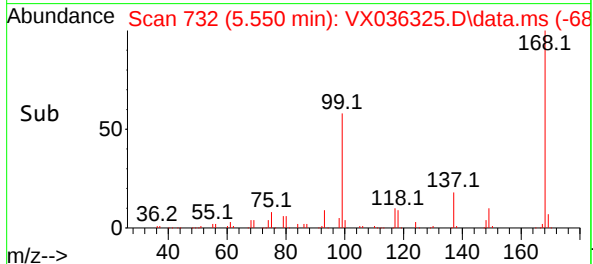
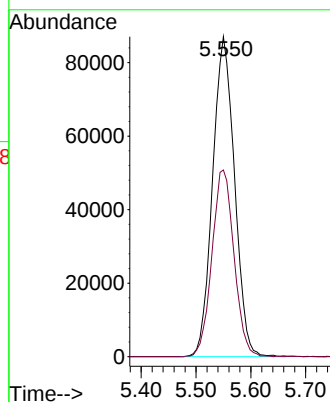
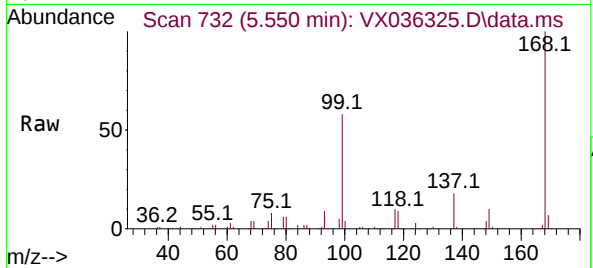




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

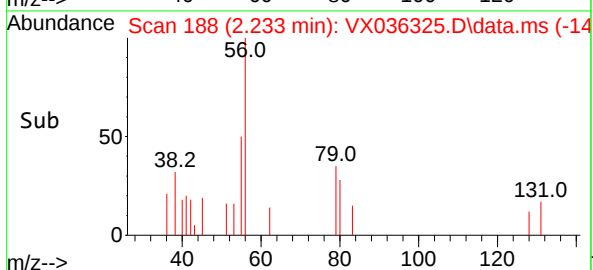
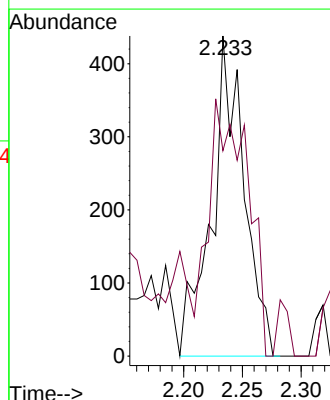
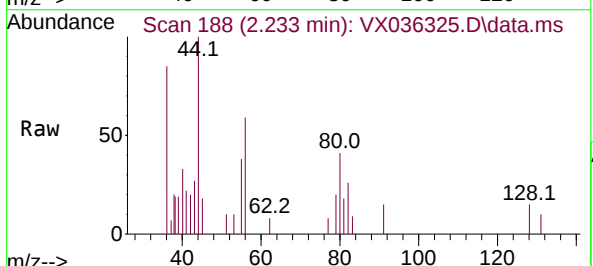
Instrument :
MSVOA_X
ClientSampleId :

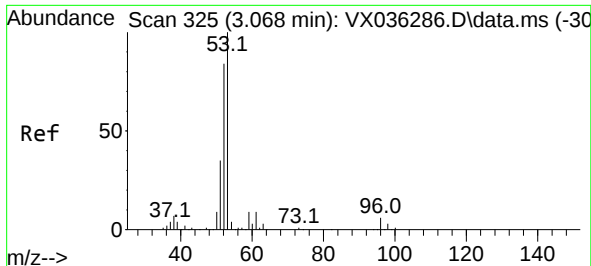
Tgt Ion:168 Resp: 241652
Ion Ratio Lower Upper
168 100
99 58.3 56.6 85.0



#13
Acrolein
Concen: 0.971 ug/l
RT: 2.233 min Scan# 188
Delta R.T. -0.006 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

Tgt Ion: 56 Resp: 841
Ion Ratio Lower Upper
56 100
55 96.1 57.1 85.7#





#15

Acrylonitrile

Concen: 0.632 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.001 min

Lab File: VX036325.D

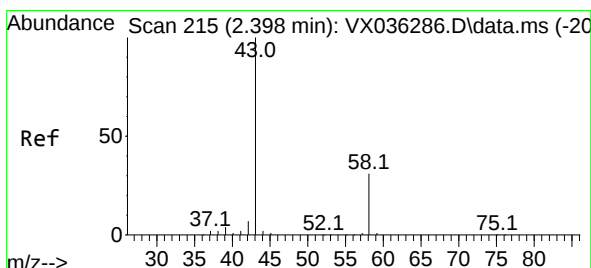
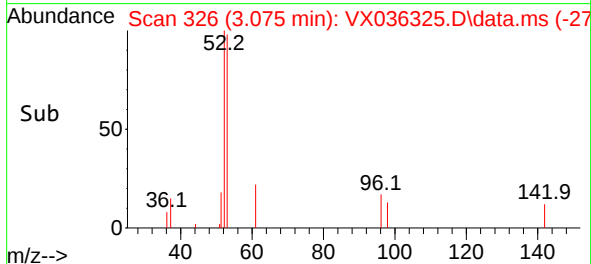
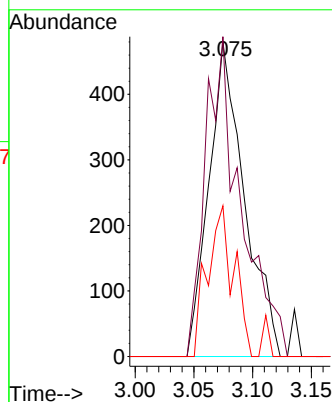
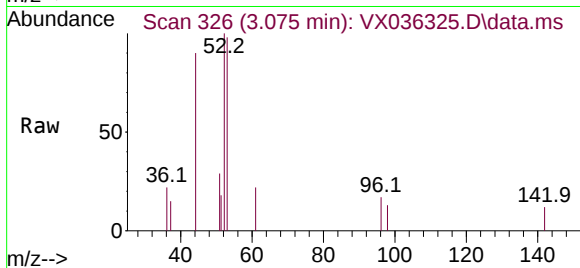
Acq: 26 Jun 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 53	Resp: 1010
Ion Ratio	Lower Upper
53	100
52	101.7 66.0 99.0#
51	35.6 29.8 44.6



#16

Acetone

Concen: 1.137 ug/l

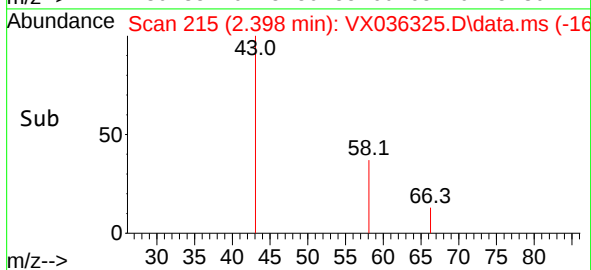
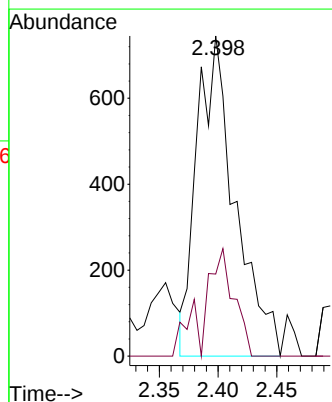
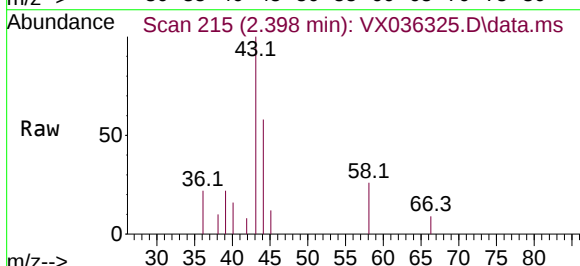
RT: 2.398 min Scan# 215

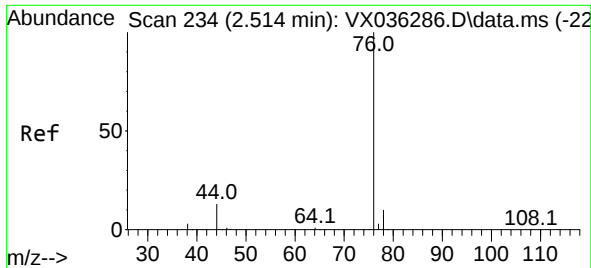
Delta R.T. -0.006 min

Lab File: VX036325.D

Acq: 26 Jun 2023 12:36

Tgt Ion: 43	Resp: 1684
Ion Ratio	Lower Upper
43	100
58	25.6 21.9 32.9

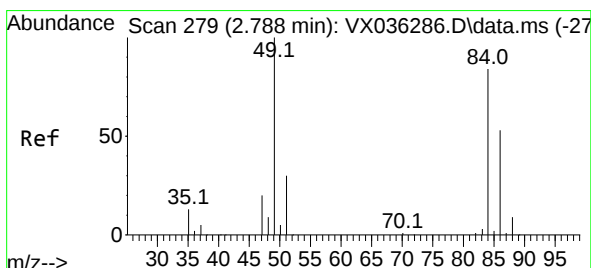
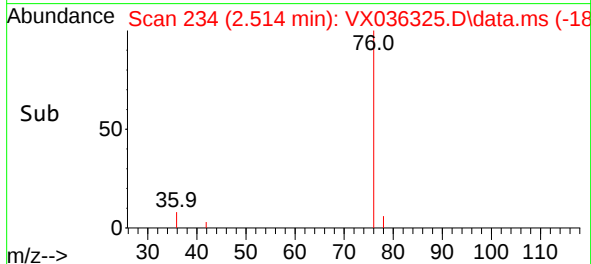
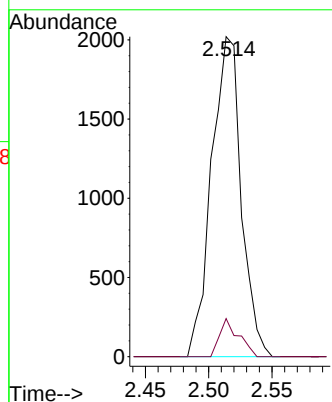
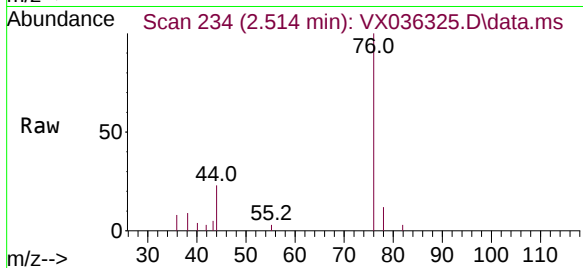




#17
Carbon Disulfide
Concen: 0.488 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.001 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

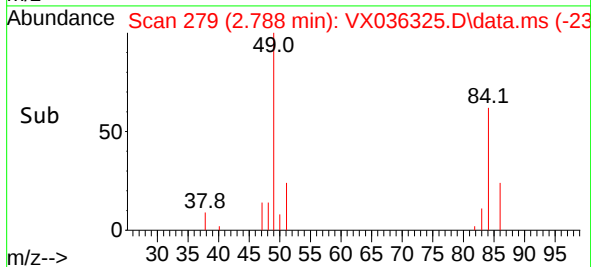
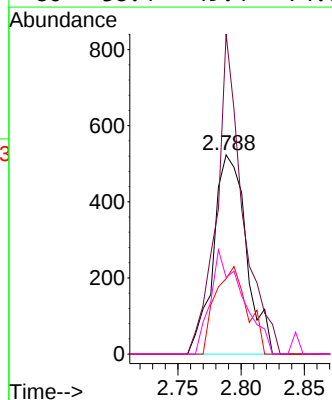
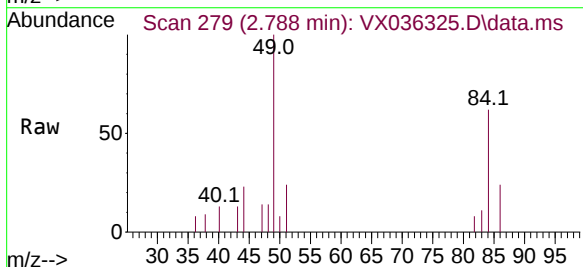
Instrument :
MSVOA_X
ClientSampleId :

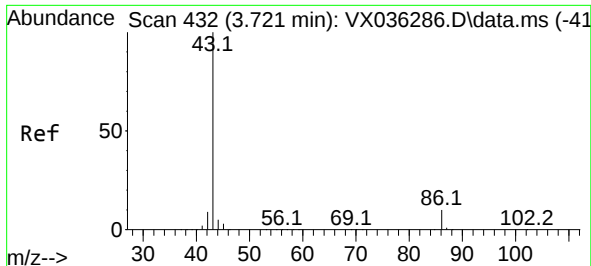
Tgt Ion: 76 Resp: 3293
Ion Ratio Lower Upper
76 100
78 11.9 7.0 10.6#



#20
Methylene Chloride
Concen: 0.298 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

Tgt Ion: 84 Resp: 949
Ion Ratio Lower Upper
84 100
49 160.8 103.6 155.4#
51 37.9 33.8 50.6
86 38.4 49.4 74.0#

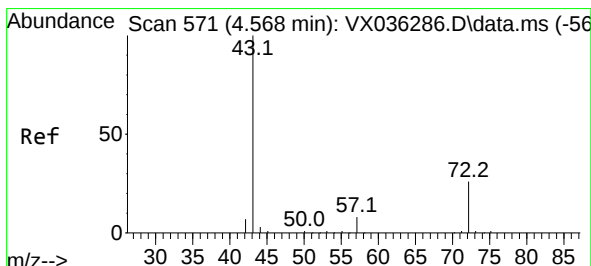
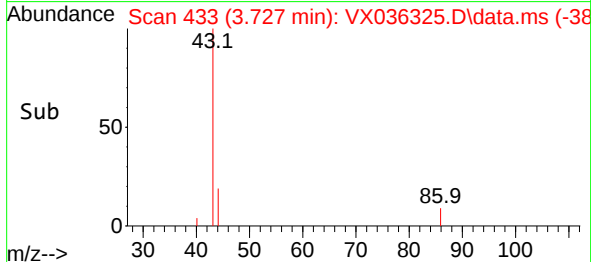
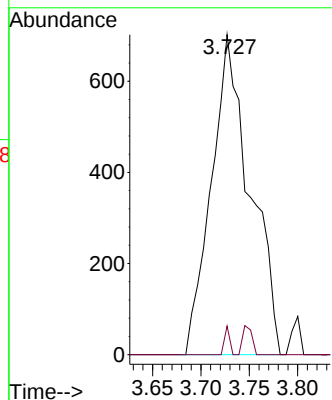
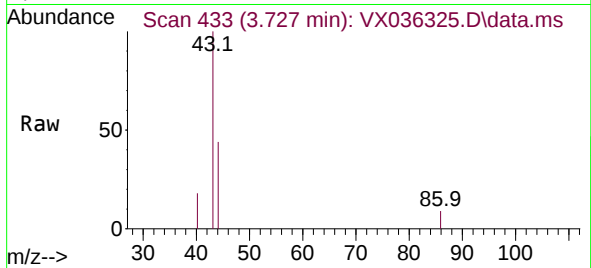




#23
 Vinyl Acetate
 Concen: 0.301 ug/l
 RT: 3.727 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX036325.D
 Acq: 26 Jun 2023 12:36

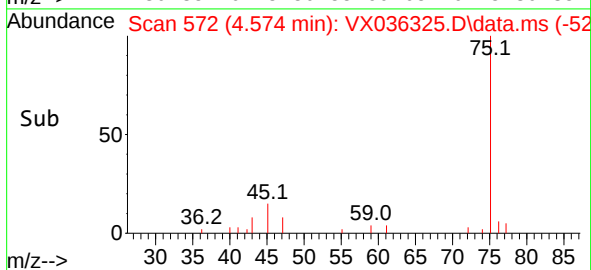
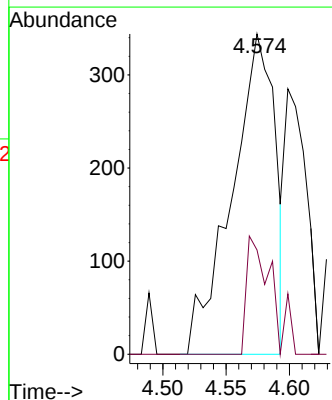
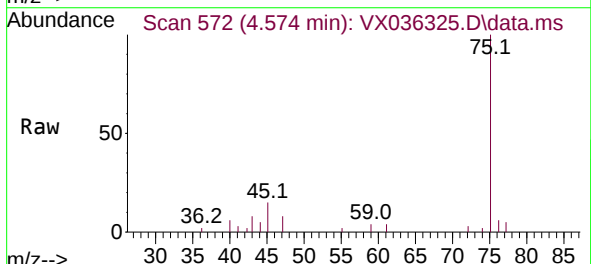
Instrument :
 MSVOA_X
 ClientSampleId :

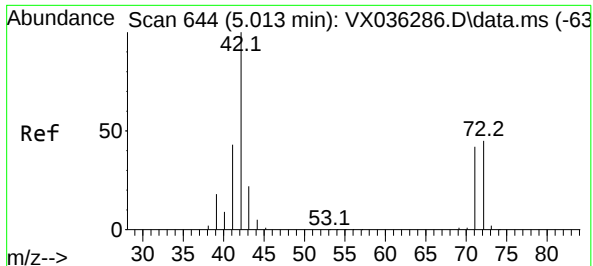
Tgt Ion: 43 Resp: 1953
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.8 11.8



#25
 2-Butanone
 Concen: 0.385 ug/l
 RT: 4.574 min Scan# 572
 Delta R.T. 0.006 min
 Lab File: VX036325.D
 Acq: 26 Jun 2023 12:36

Tgt Ion: 43 Resp: 819
 Ion Ratio Lower Upper
 43 100
 72 32.6 19.4 29.2#





#29

Tetrahydrofuran

Concen: 0.507 ug/l

RT: 5.038 min Scan# 644

Delta R.T. 0.019 min

Lab File: VX036325.D

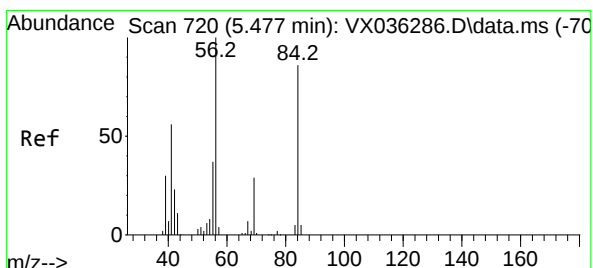
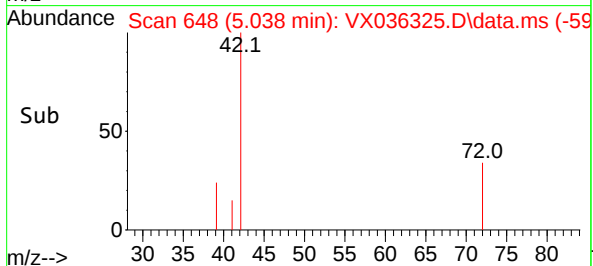
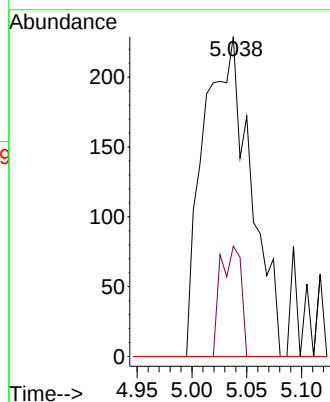
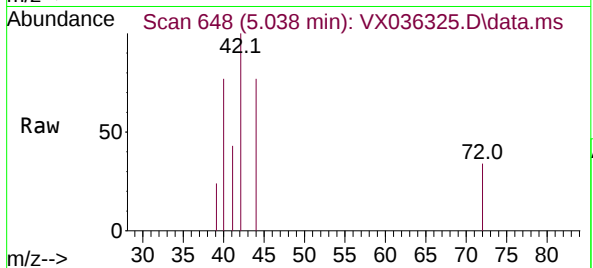
Acq: 26 Jun 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 42	Resp: 686
Ion Ratio	Lower Upper
42	100
72	14.9 34.2 51.4#
71	0.0 32.2 48.2#



#31

Cyclohexane

Concen: 1.257 ug/l

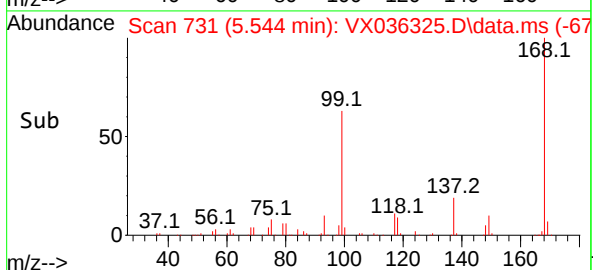
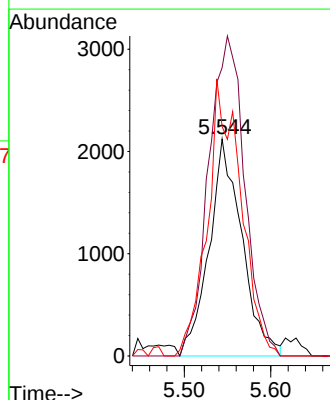
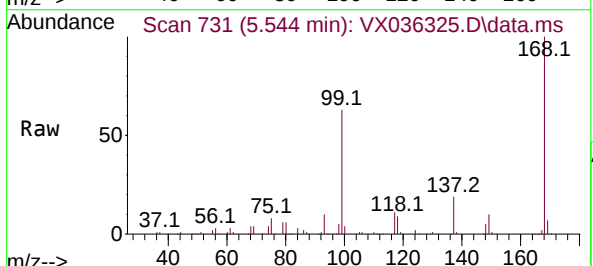
RT: 5.544 min Scan# 731

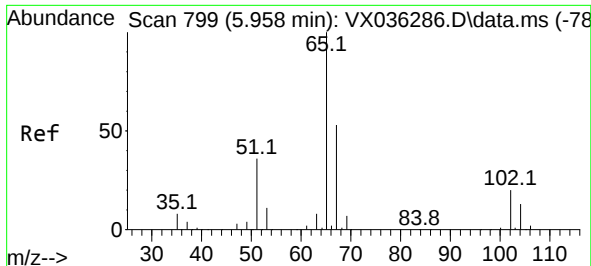
Delta R.T. 0.074 min

Lab File: VX036325.D

Acq: 26 Jun 2023 12:36

Tgt Ion: 56	Resp: 5580
Ion Ratio	Lower Upper
56	100
69	132.9 23.4 35.2#
84	105.8 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.583 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX036325.D

Acq: 26 Jun 2023 12:36

Instrument :

MSVOA_X

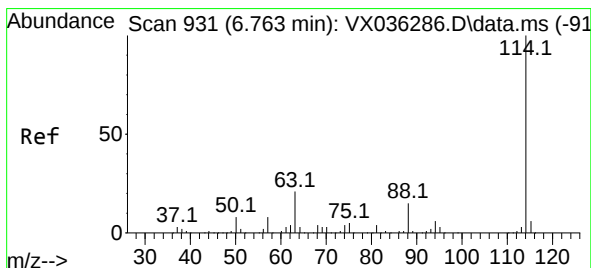
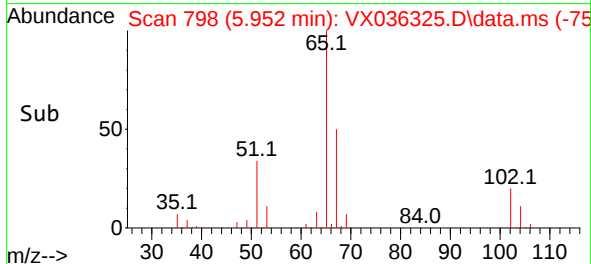
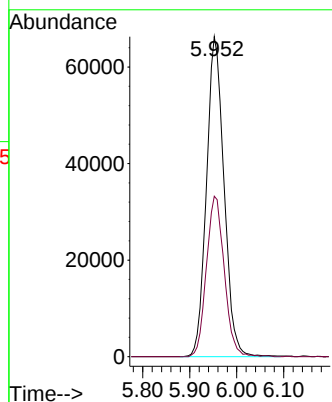
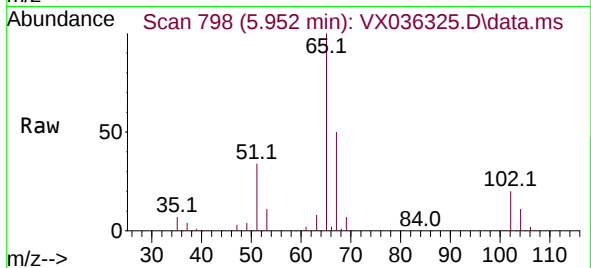
ClientSampleId :

Tgt Ion: 65 Resp: 171750

Ion Ratio Lower Upper

65 100

67 50.9 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: VX036325.D

Acq: 26 Jun 2023 12:36

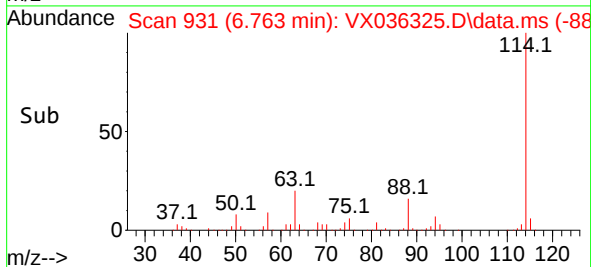
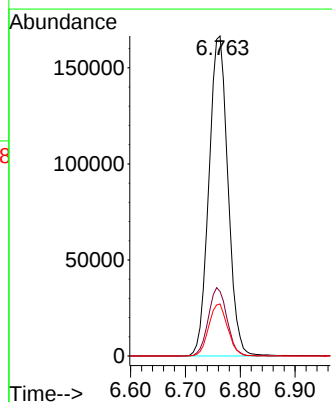
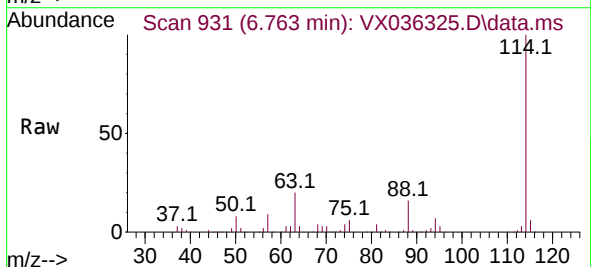
Tgt Ion: 114 Resp: 400679

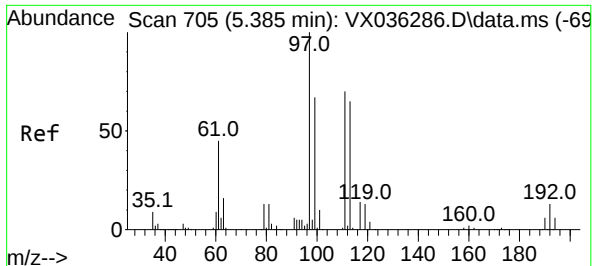
Ion Ratio Lower Upper

114 100

63 20.1 0.0 45.0

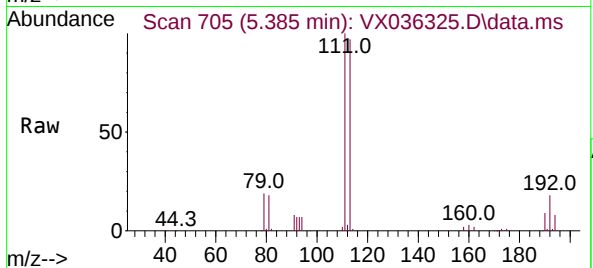
88 16.3 0.0 36.6



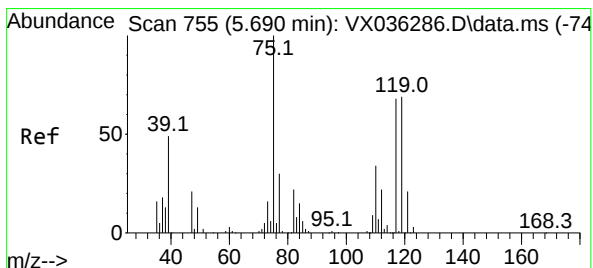
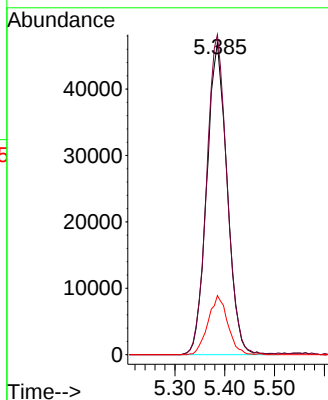
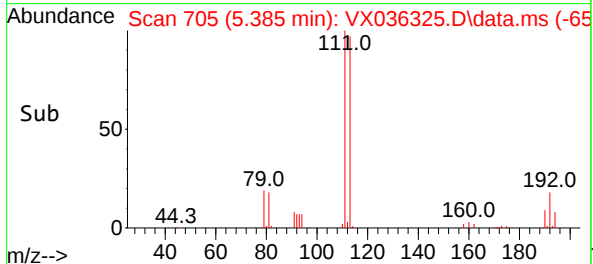


#35
Dibromofluoromethane
Concen: 50.522 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

Instrument :
MSVOA_X
ClientSampleId :

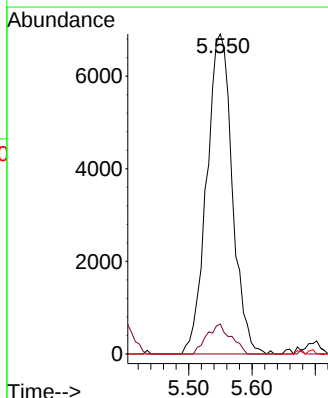
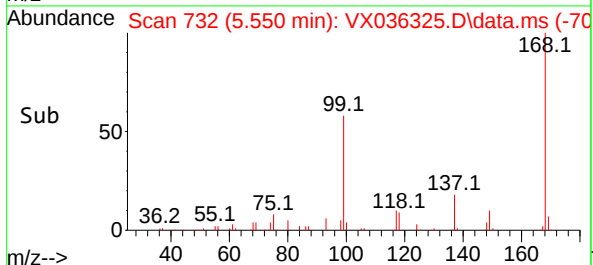
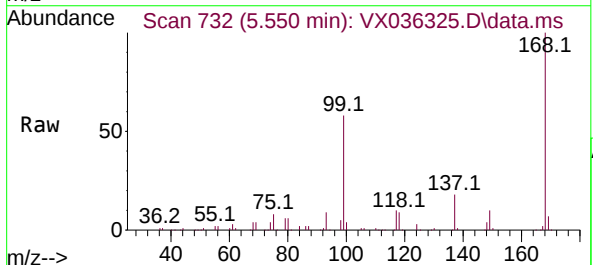


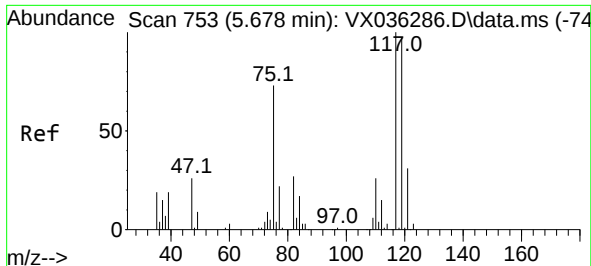
Tgt Ion:113 Resp: 133478
Ion Ratio Lower Upper
113 100
111 102.6 82.9 124.3
192 18.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

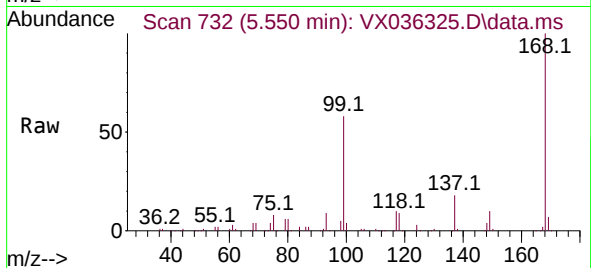
Tgt Ion: 75 Resp: 19416
Ion Ratio Lower Upper
75 100
110 8.8 17.0 50.9#
77 0.0 24.7 37.1#



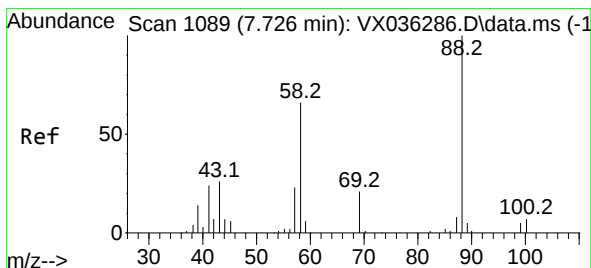
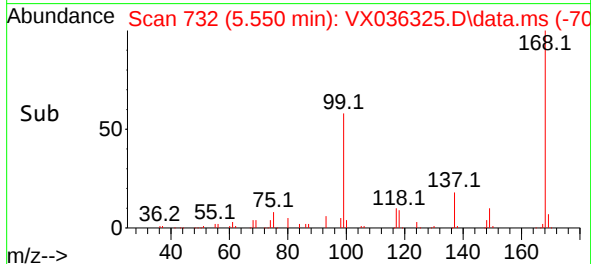
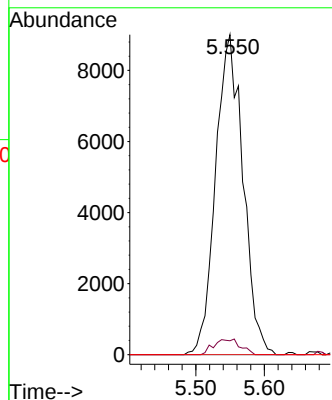


#38
Carbon Tetrachloride
Concen: 6.947 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

Instrument :
MSVOA_X
ClientSampleId :

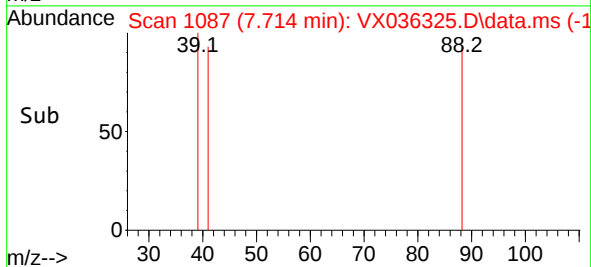
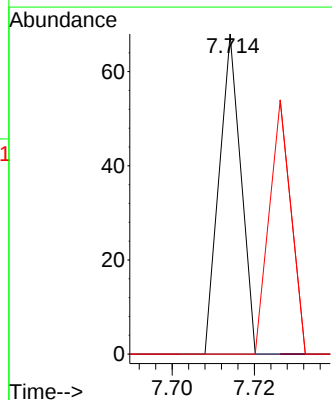
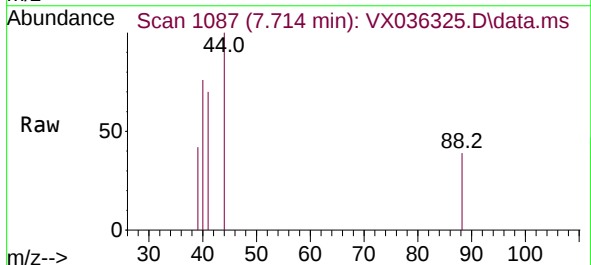


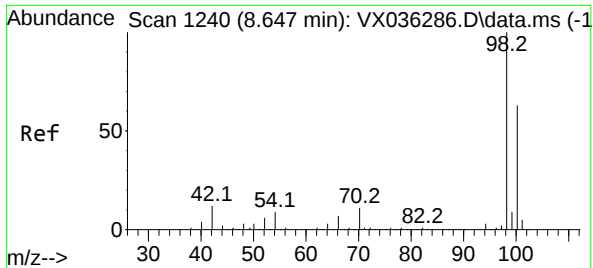
Tgt Ion:117 Resp: 24989
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#49
1,4-Dioxane
Concen: 0.353 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. -0.018 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 0.0 0.0
58 80.0 60.1 90.1

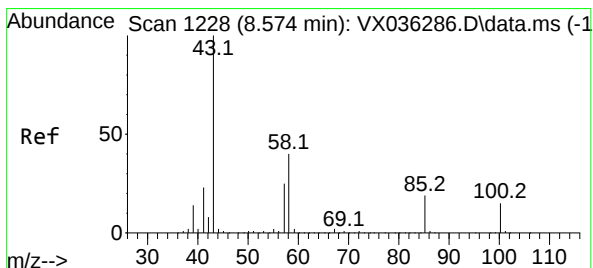
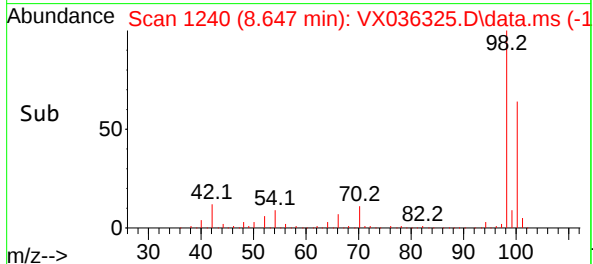
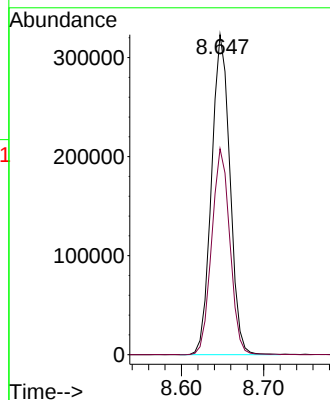
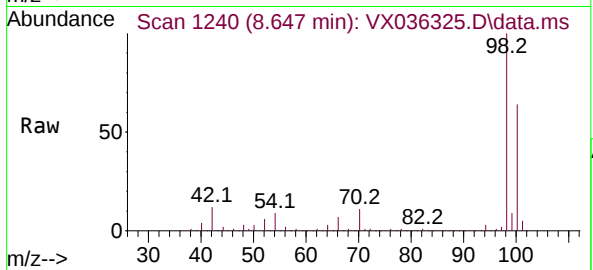




#50
Toluene-d8
Concen: 50.902 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

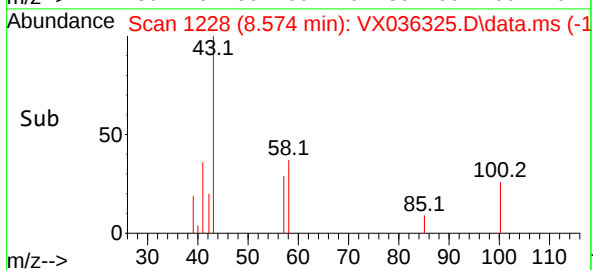
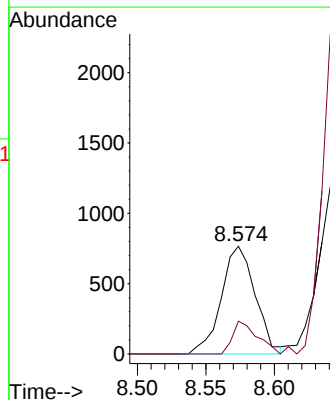
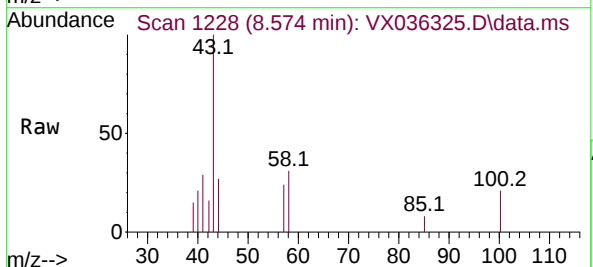
Instrument :
MSVOA_X
ClientSampleId :

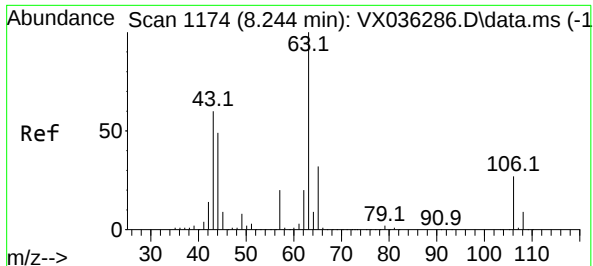
Tgt Ion: 98 Resp: 502288
Ion Ratio Lower Upper
98 100
100 63.7 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.320 ug/l
RT: 8.574 min Scan# 1228
Delta R.T. 0.001 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

Tgt Ion: 43 Resp: 1321
Ion Ratio Lower Upper
43 100
58 22.2 30.4 45.6#





#58

2-Chloroethyl Vinyl ether

Concen: 0.799 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.000 min

Lab File: VX036325.D

Acq: 26 Jun 2023 12:36

Instrument :

MSVOA_X

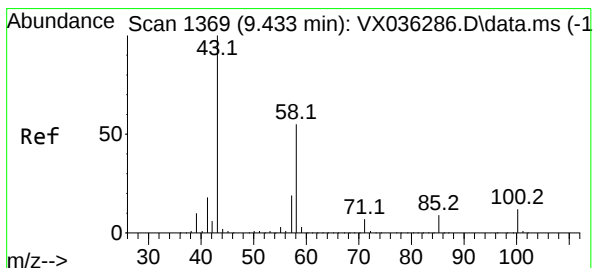
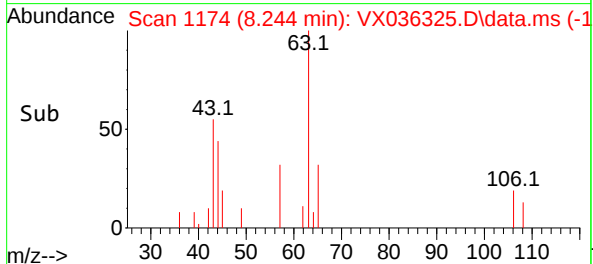
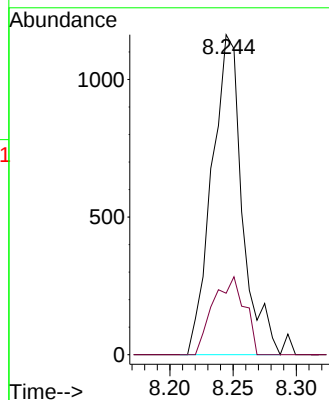
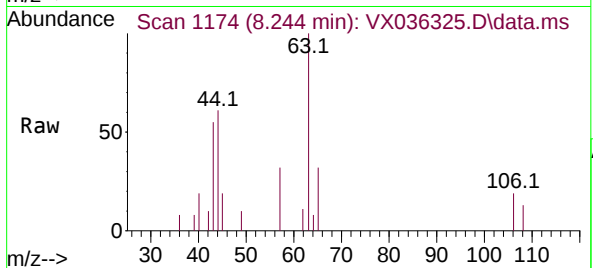
ClientSampleId :

Tgt Ion: 63 Resp: 1947

Ion Ratio Lower Upper

63 100

106 25.2 22.5 33.7



#59

2-Hexanone

Concen: 0.410 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX036325.D

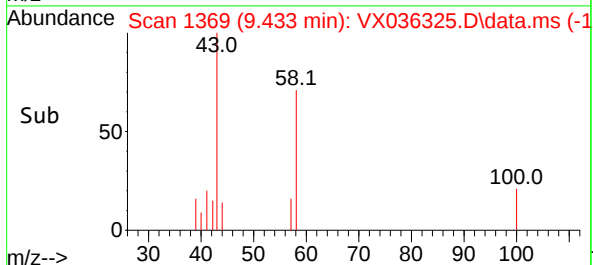
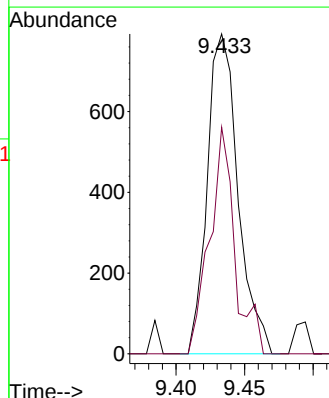
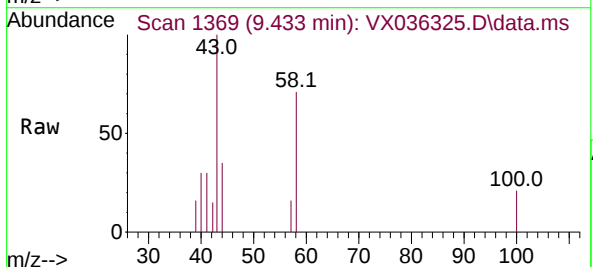
Acq: 26 Jun 2023 12:36

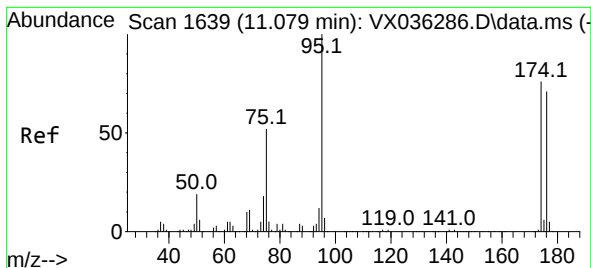
Tgt Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

58 57.8 26.2 78.5





#62

4-Bromofluorobenzene

Concen: 51.600 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX036325.D

Acq: 26 Jun 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

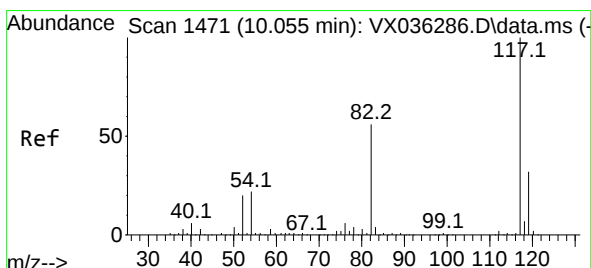
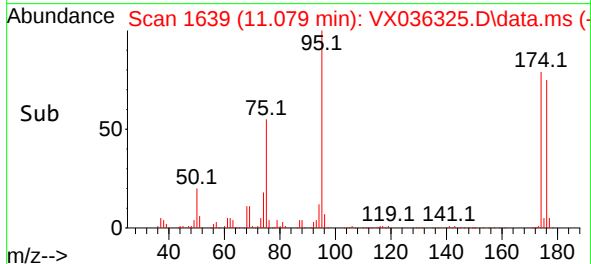
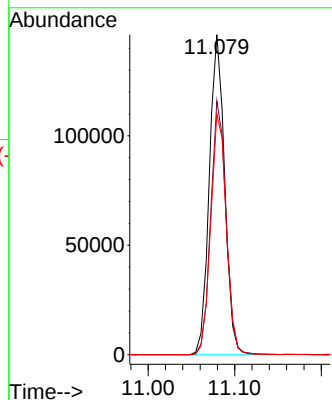
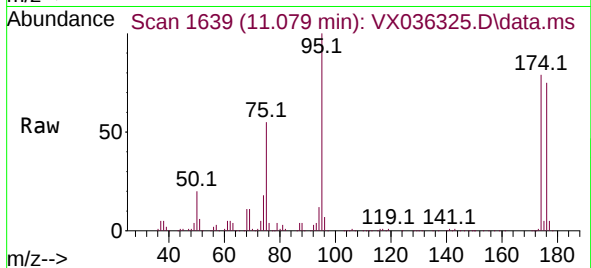
Tgt Ion: 95 Resp: 179348

Ion Ratio Lower Upper

95 100

174 79.3 0.0 135.6

176 76.7 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: VX036325.D

Acq: 26 Jun 2023 12:36

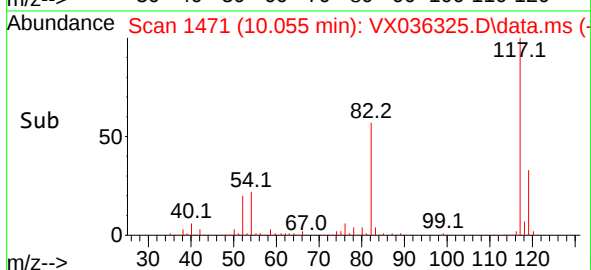
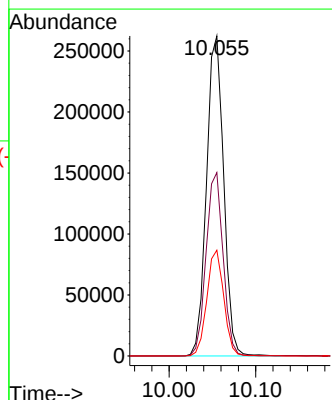
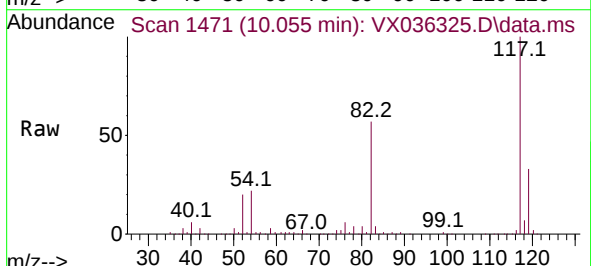
Tgt Ion: 117 Resp: 361315

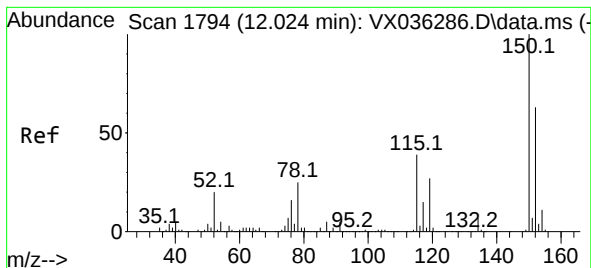
Ion Ratio Lower Upper

117 100

82 57.3 46.2 69.4

119 33.1 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX036325.D

Acq: 26 Jun 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

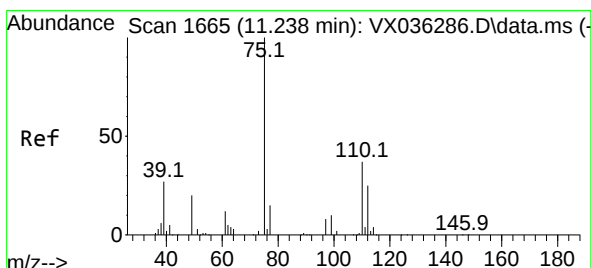
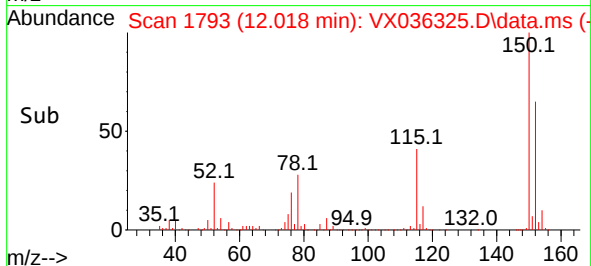
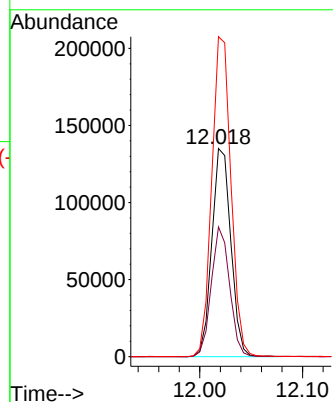
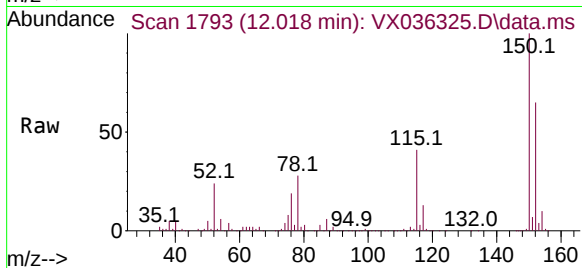
Tgt Ion:152 Resp: 173704

Ion Ratio Lower Upper

152 100

115 59.8 43.3 129.9

150 155.2 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 25.376 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036325.D

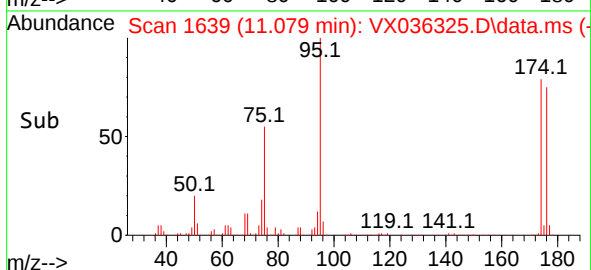
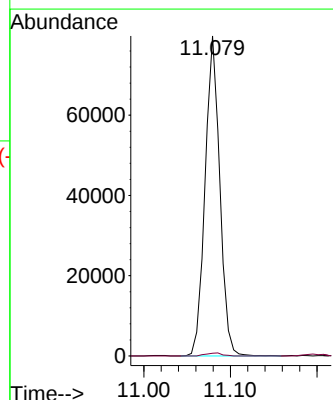
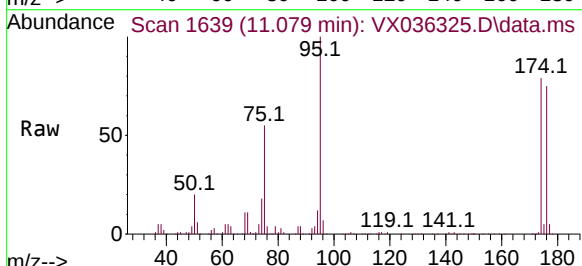
Acq: 26 Jun 2023 12:36

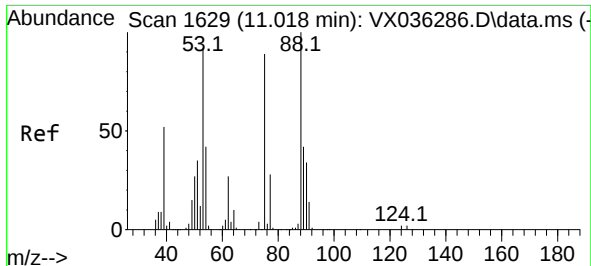
Tgt Ion: 75 Resp: 94022

Ion Ratio Lower Upper

75 100

77 1.0 19.1 57.5#

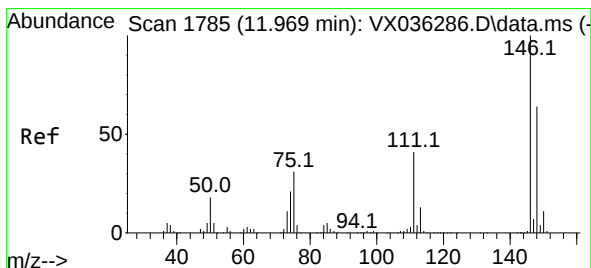
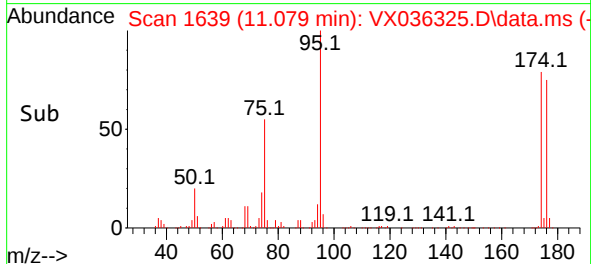
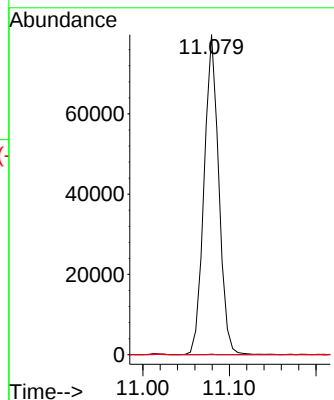
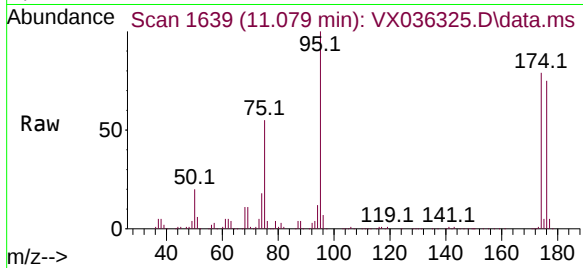




#81
trans-1,4-Dichloro-2-butene
Concen: 82.719 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

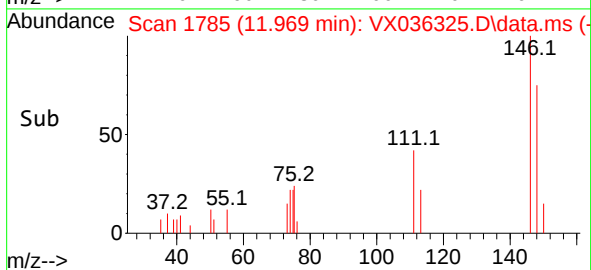
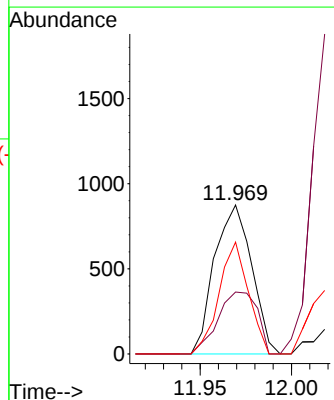
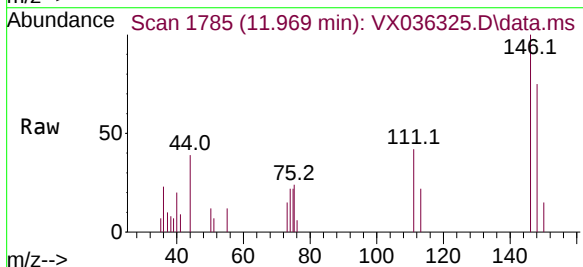
Instrument :
MSVOA_X
ClientSampleId :

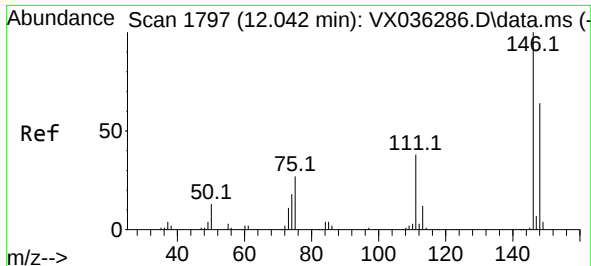
Tgt Ion: 75 Resp: 94022
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#



#87
1,3-Dichlorobenzene
Concen: 0.210 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.000 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

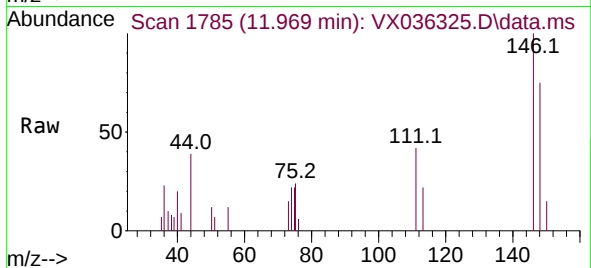
Tgt Ion:146 Resp: 1240
Ion Ratio Lower Upper
146 100
111 44.0 22.1 66.1
148 59.4 31.8 95.3



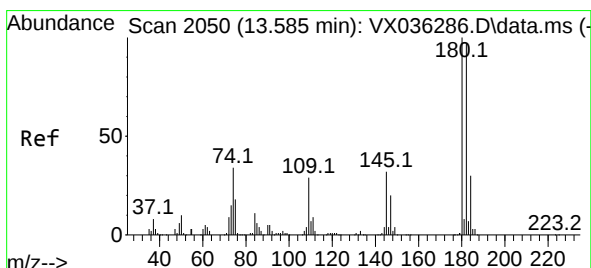
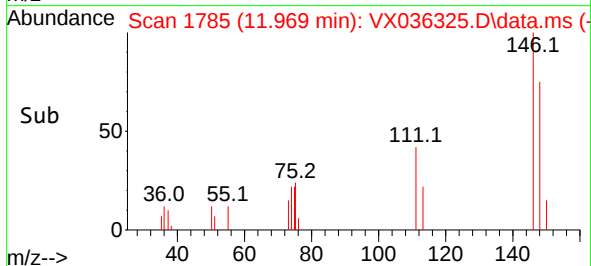
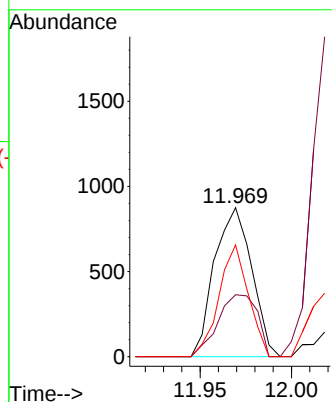


#88
1,4-Dichlorobenzene
Concen: 0.206 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

Instrument :
MSVOA_X
ClientSampleId :

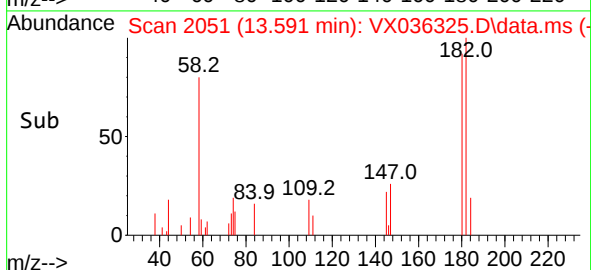
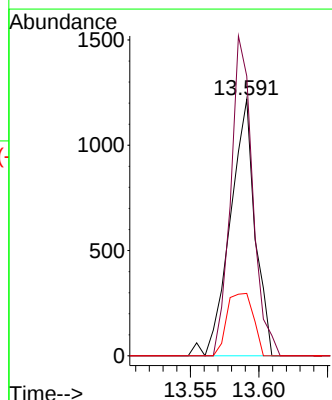
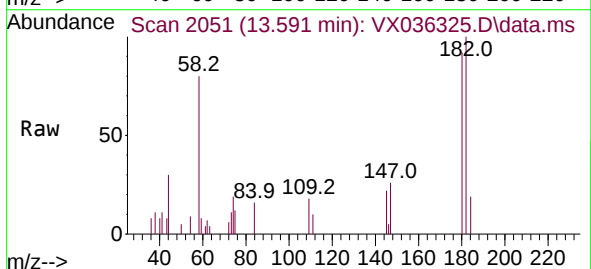


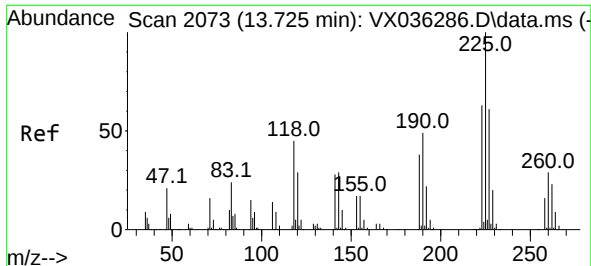
Tgt Ion:146 Resp: 1240
Ion Ratio Lower Upper
146 100
111 44.0 21.3 63.7
148 59.4 31.8 95.4



#93
1,2,4-Trichlorobenzene
Concen: 0.429 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

Tgt Ion:180 Resp: 1539
Ion Ratio Lower Upper
180 100
182 110.0 48.3 144.8
145 25.9 18.0 54.0

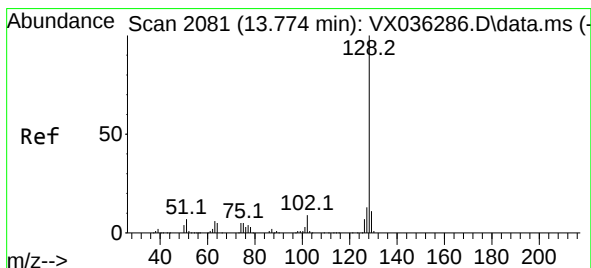
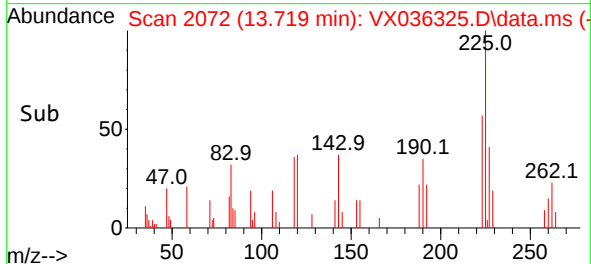
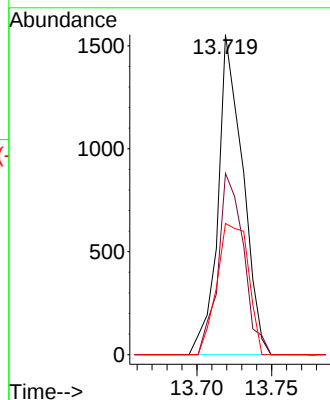
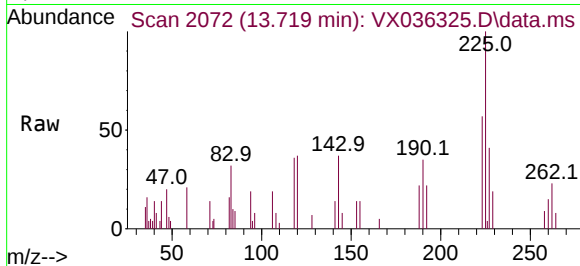




#94
Hexachlorobutadiene
Concen: 1.220 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

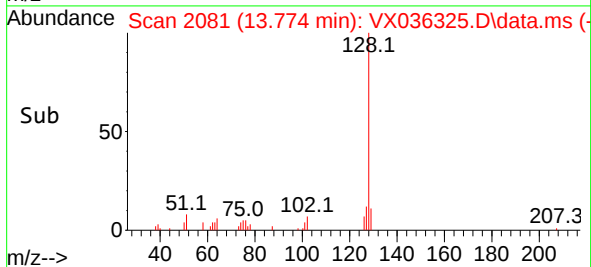
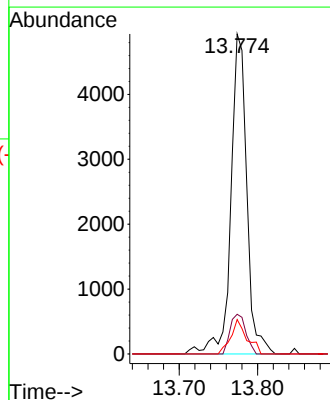
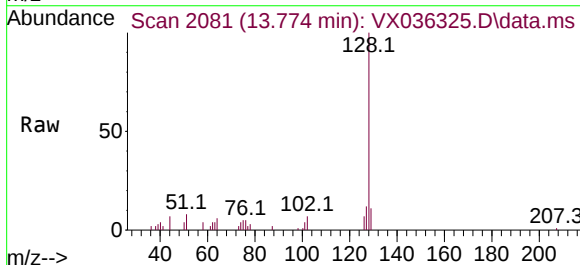
Instrument :
MSVOA_X
ClientSampleId :

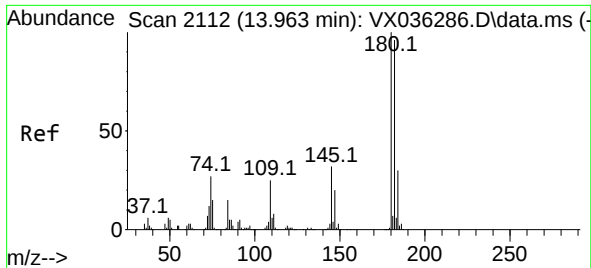
Tgt Ion:225 Resp: 1793
Ion Ratio Lower Upper
225 100
223 58.1 31.1 93.2
227 51.9 32.5 97.5



#95
Naphthalene
Concen: 0.585 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036325.D
Acq: 26 Jun 2023 12:36

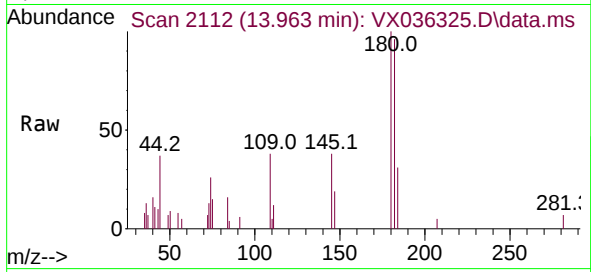
Tgt Ion:128 Resp: 6941
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 10.8 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.467 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX036325.D
 Acq: 26 Jun 2023 12:36

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	180	Resp:	1635
Ion Ratio	Lower	Upper	
180	100		
182	98.3	46.9	140.6
145	37.2	17.8	53.5

