

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036205.D
 Acq On : 19 Jun 2023 14:53
 Operator : JC/MD
 Sample : 03305-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 20 03:43:08 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)

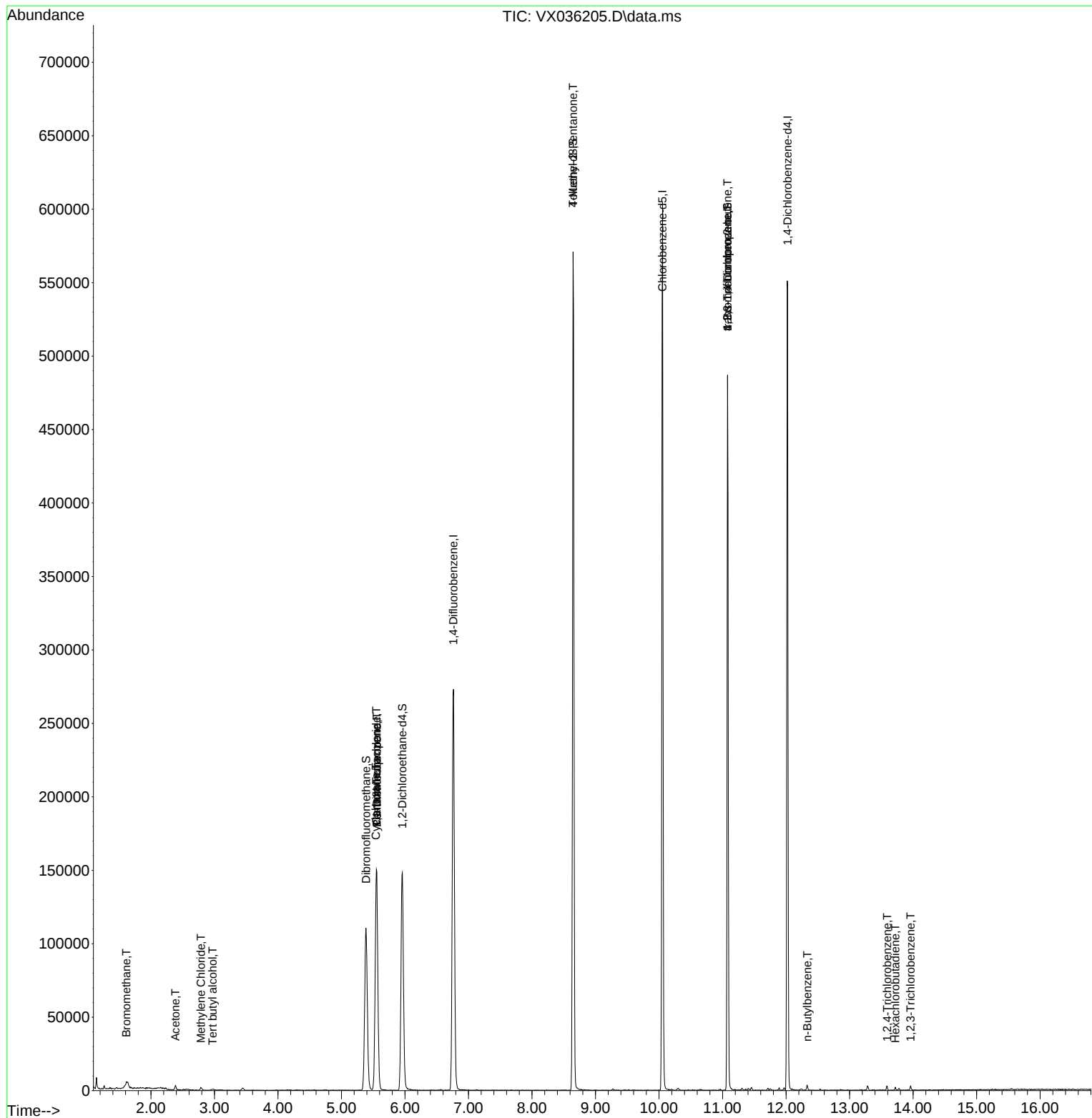
Internal Standards						
1) Pentafluorobenzene	5.556	168	126965	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258613	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106464	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	154552	66.611	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	133.220%#
35) Dibromofluoromethane	5.385	113	96021	54.753	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.500%
50) Toluene-d8	8.647	98	322206	50.228	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	100.460%
62) 4-Bromofluorobenzene	11.079	95	126928	49.018	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	98.040%
Target Compounds						
						Qvalue
5) Bromomethane	1.611	94	233	0.241	ug/l #	68
11) Tert butyl alcohol	2.971	59	1288	3.631	ug/l #	78
16) Acetone	2.386	43	3142	3.259	ug/l	97
20) Methylene Chloride	2.788	84	816	0.467	ug/l	90
31) Cyclohexane	5.544	56	3442	1.383	ug/l #	24
36) 1,1-Dichloropropene	5.556	75	12520	4.847	ug/l #	51
38) Carbon Tetrachloride	5.550	117	14876	5.924	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1675	0.576	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	72137	28.550	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	72137	99.931	ug/l #	5
89) n-Butylbenzene	12.335	91	1224	0.205	ug/l	98
93) 1,2,4-Trichlorobenzene	13.591	180	754	0.384	ug/l	94
94) Hexachlorobutadiene	13.719	225	304	0.392	ug/l	87
96) 1,2,3-Trichlorobenzene	13.963	180	745	0.378	ug/l	95

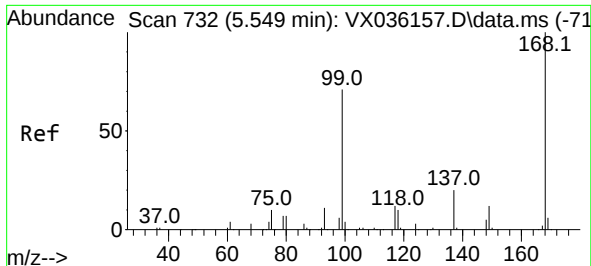
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061623W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 2023
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#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.007 min

Lab File: VX036205.D

Acq: 19 Jun 2023 14:53

Instrument :

MSVOA_X

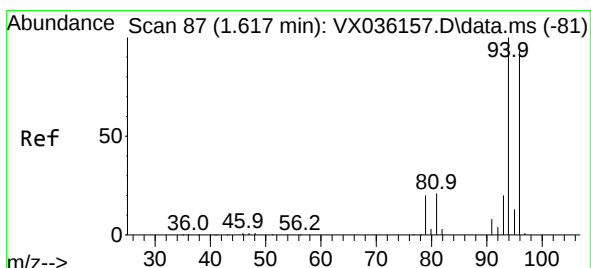
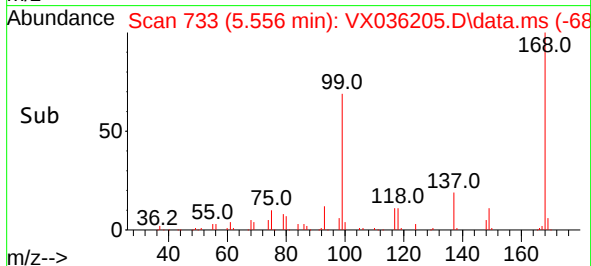
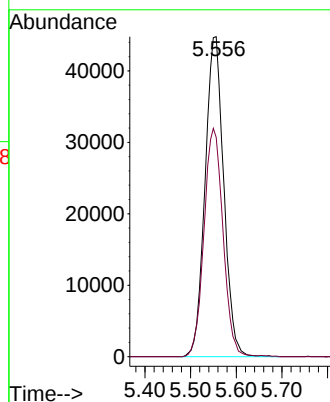
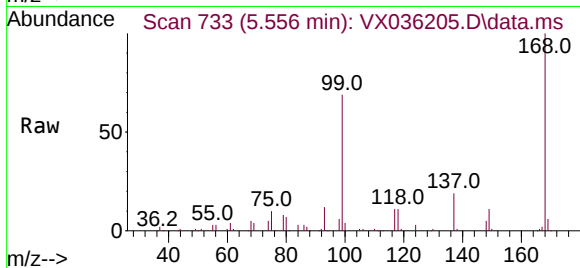
ClientSampleId :

Tgt Ion:168 Resp: 126965

Ion Ratio Lower Upper

168 100

99 68.6 56.6 85.0



#5

Bromomethane

Concen: 0.241 ug/l

RT: 1.611 min Scan# 86

Delta R.T. -0.006 min

Lab File: VX036205.D

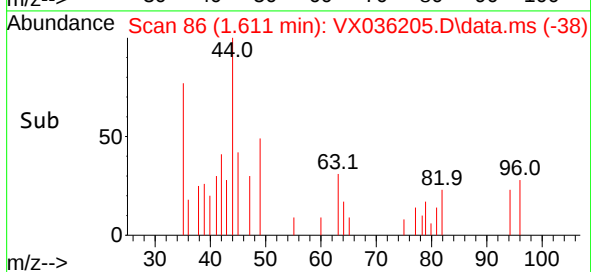
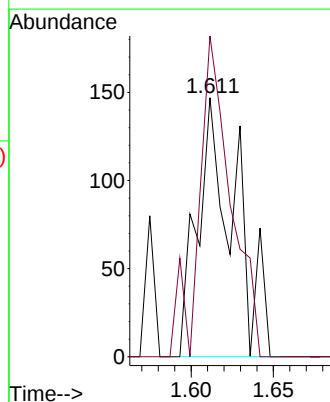
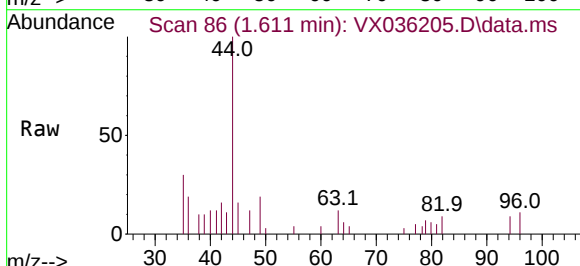
Acq: 19 Jun 2023 14:53

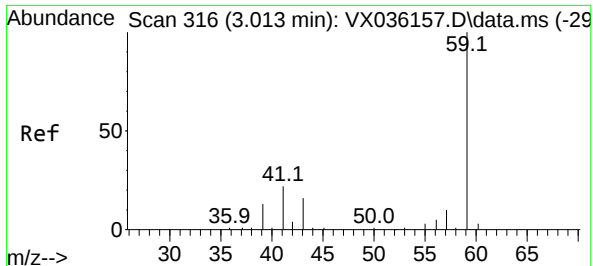
Tgt Ion: 94 Resp: 233

Ion Ratio Lower Upper

94 100

96 123.8 74.6 111.8#





#11

Tert butyl alcohol

Concen: 3.631 ug/l

RT: 2.971 min Scan# 30

Delta R.T. -0.042 min

Lab File: VX036205.D

Acq: 19 Jun 2023 14:53

Instrument :

MSVOA_X

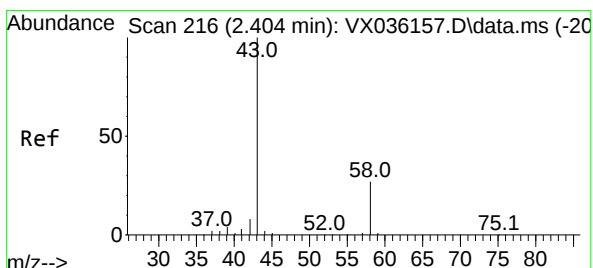
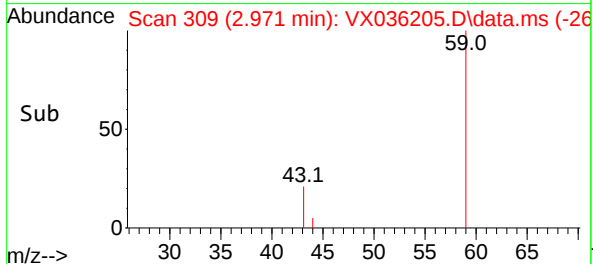
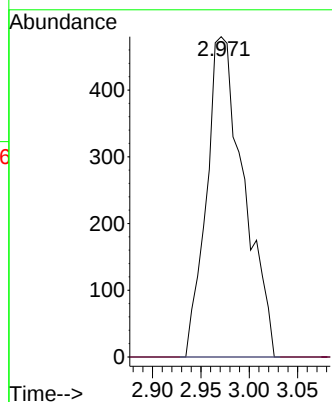
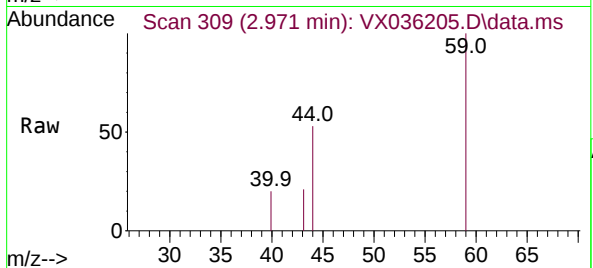
ClientSampleId :

Tgt Ion: 59 Resp: 1288

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#16

Acetone

Concen: 3.259 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.018 min

Lab File: VX036205.D

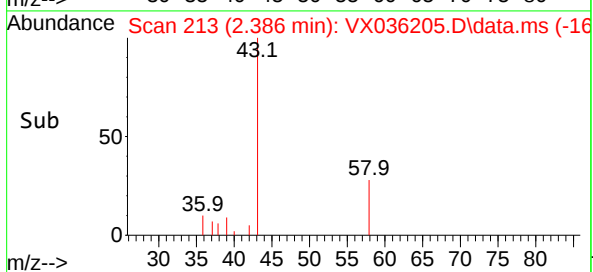
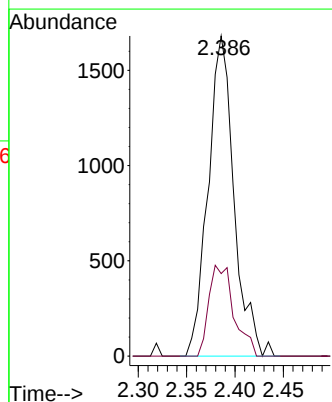
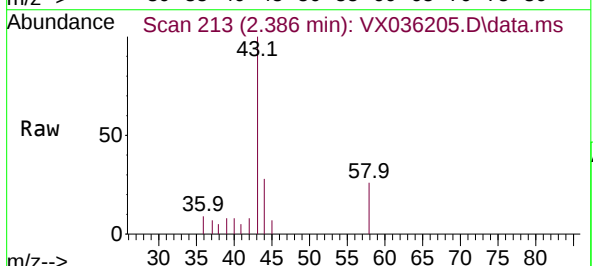
Acq: 19 Jun 2023 14:53

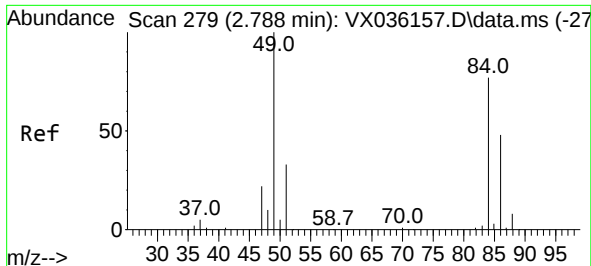
Tgt Ion: 43 Resp: 3142

Ion Ratio Lower Upper

43 100

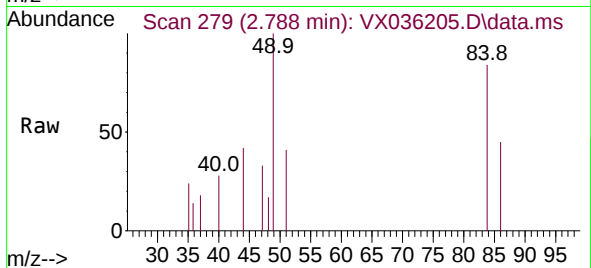
58 25.8 21.9 32.9



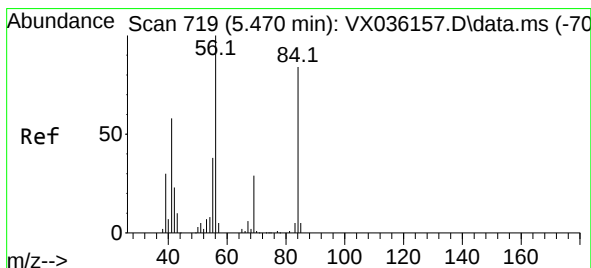
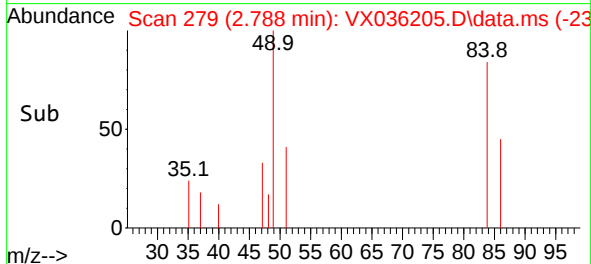
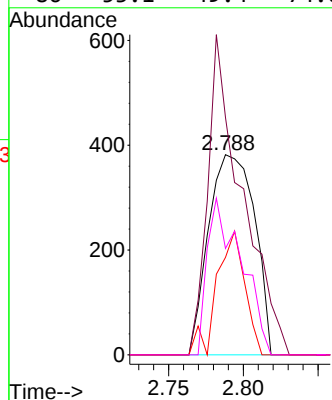


#20
Methylene Chloride
Concen: 0.467 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX036205.D
Acq: 19 Jun 2023 14:53

Instrument :
MSVOA_X
ClientSampleId :

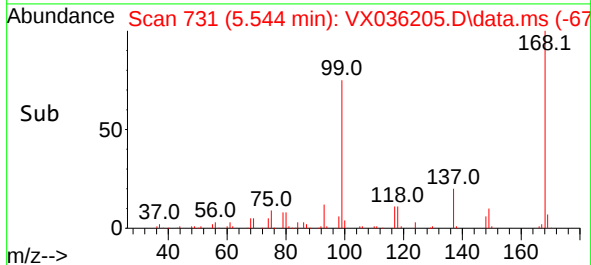
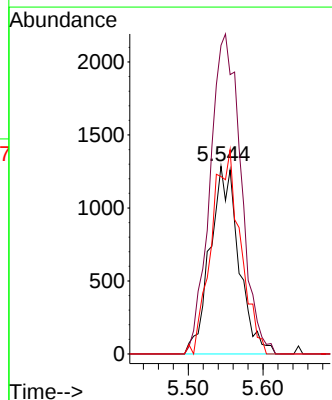
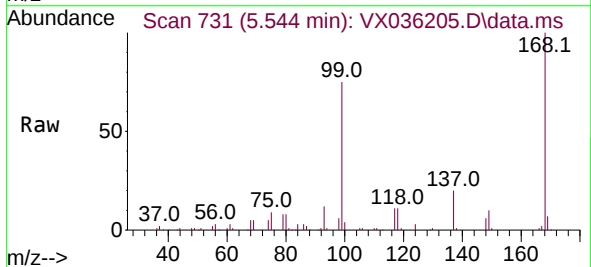


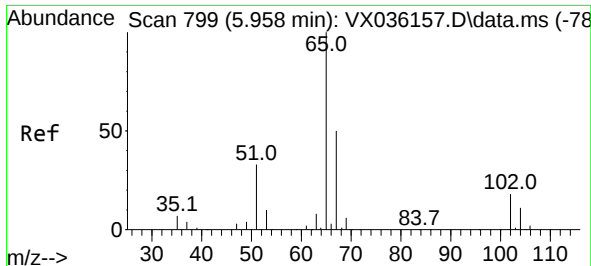
Tgt Ion:	84	Resp:	816
Ion	Ratio	Lower	Upper
84	100		
49	118.6	103.6	155.4
51	48.7	33.8	50.6
86	53.1	49.4	74.0



#31
Cyclohexane
Concen: 1.383 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.074 min
Lab File: VX036205.D
Acq: 19 Jun 2023 14:53

Tgt Ion:	56	Resp:	3442
Ion	Ratio	Lower	Upper
56	100		
69	164.4	23.4	35.2#
84	94.5	65.9	98.9

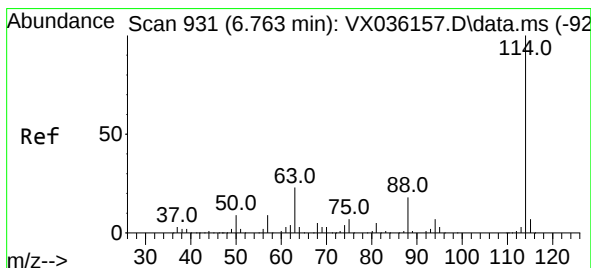
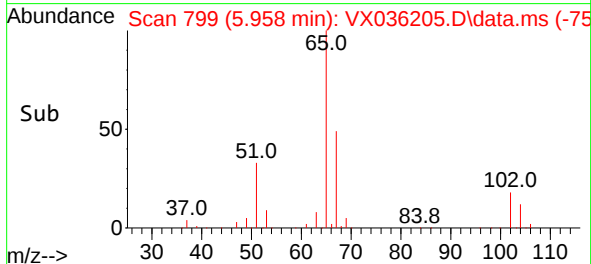
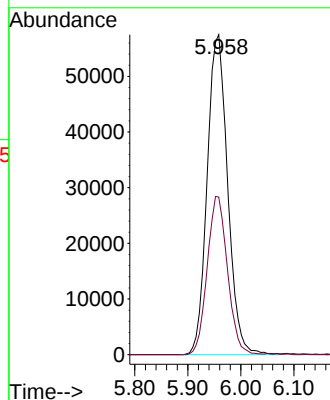
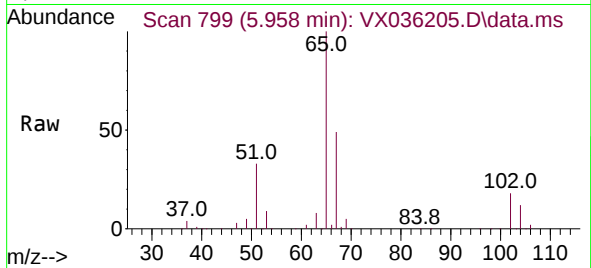




#33
 1,2-Dichloroethane-d4
 Concen: 66.611 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX036205.D
 Acq: 19 Jun 2023 14:53

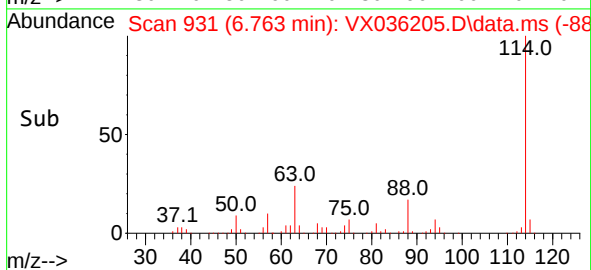
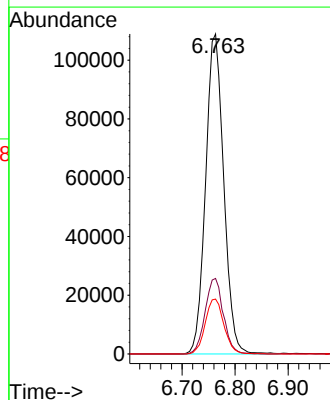
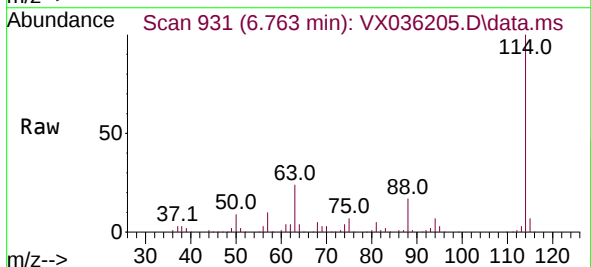
Instrument :
 MSVOA_X
 ClientSampleId :

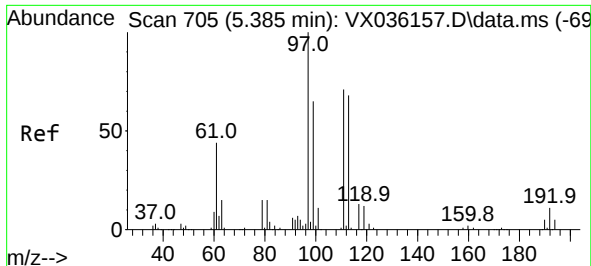
Tgt Ion: 65 Resp: 154552
 Ion Ratio Lower Upper
 65 100
 67 48.9 0.0 100.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX036205.D
 Acq: 19 Jun 2023 14:53

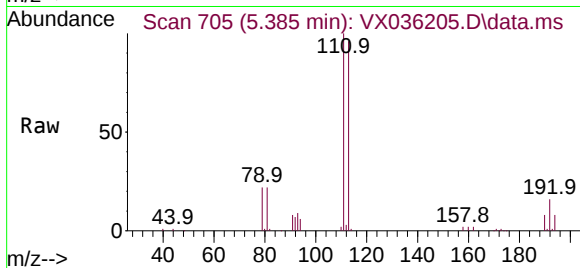
Tgt Ion: 114 Resp: 258613
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 45.0
 88 17.1 0.0 36.6



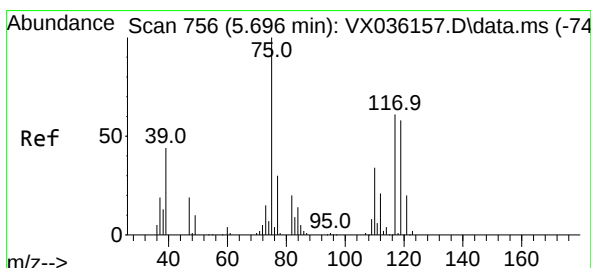
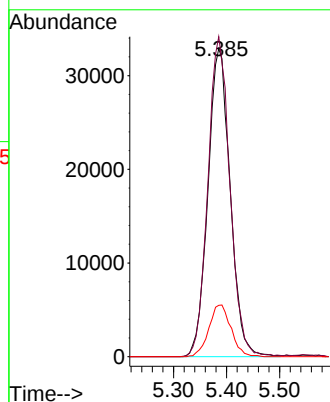
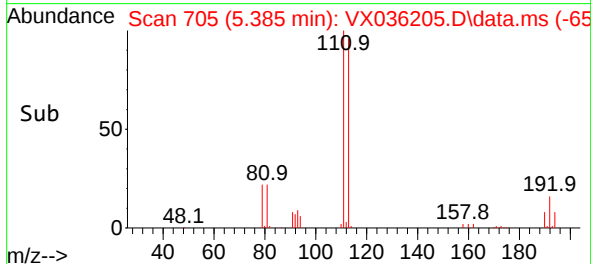


#35
Dibromofluoromethane
Concen: 54.753 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036205.D
Acq: 19 Jun 2023 14:53

Instrument :
MSVOA_X
ClientSampleId :

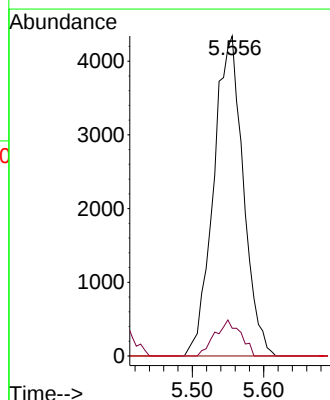
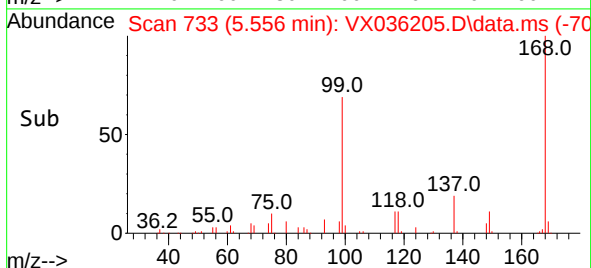
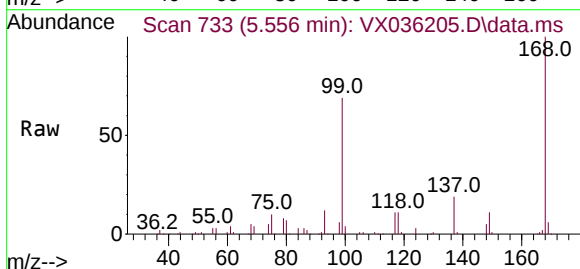


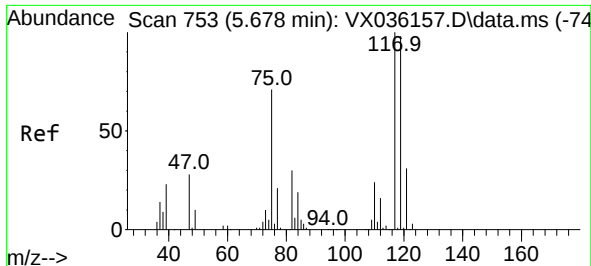
Tgt Ion:113 Resp: 96021
Ion Ratio Lower Upper
113 100
111 102.8 82.9 124.3
192 16.7 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.847 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX036205.D
Acq: 19 Jun 2023 14:53

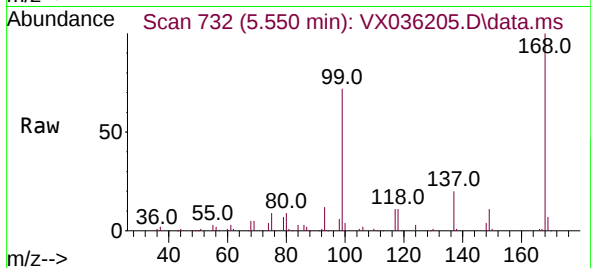
Tgt Ion: 75 Resp: 12520
Ion Ratio Lower Upper
75 100
110 9.6 17.0 50.9#
77 0.0 24.7 37.1#



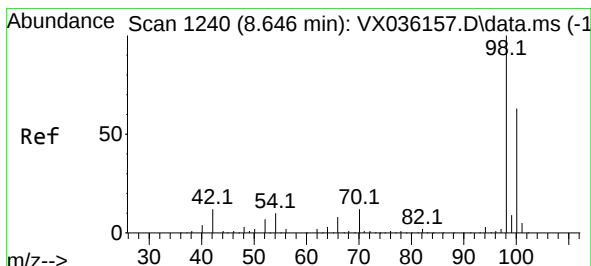
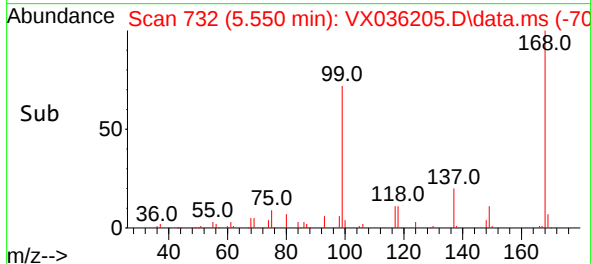
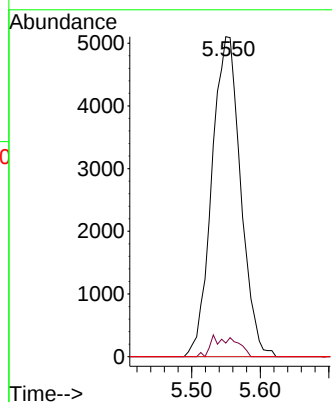


#38
Carbon Tetrachloride
Concen: 5.924 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX036205.D
Acq: 19 Jun 2023 14:53

Instrument :
MSVOA_X
ClientSampleId :

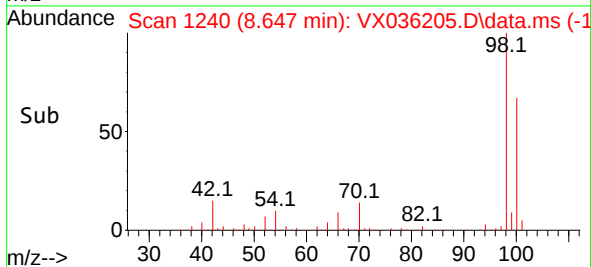
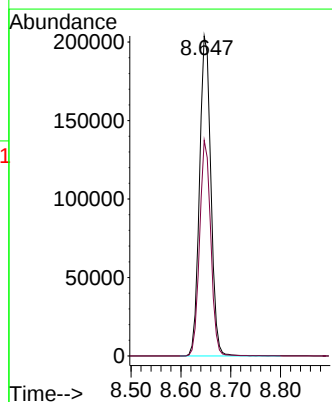
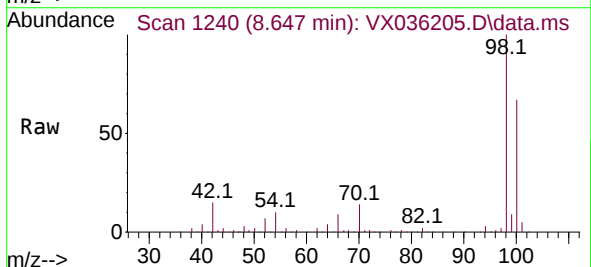


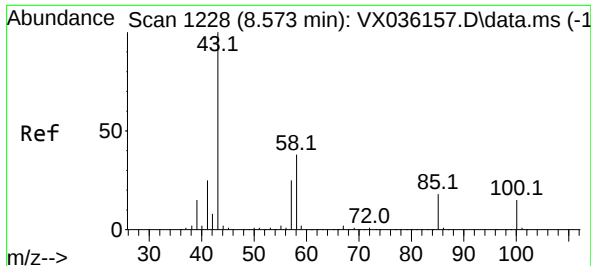
Tgt Ion:117 Resp: 14876
Ion Ratio Lower Upper
117 100
119 4.3 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 50.228 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX036205.D
Acq: 19 Jun 2023 14:53

Tgt Ion: 98 Resp: 322206
Ion Ratio Lower Upper
98 100
100 66.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.576 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.074 min

Lab File: VX036205.D

Acq: 19 Jun 2023 14:53

Instrument :

MSVOA_X

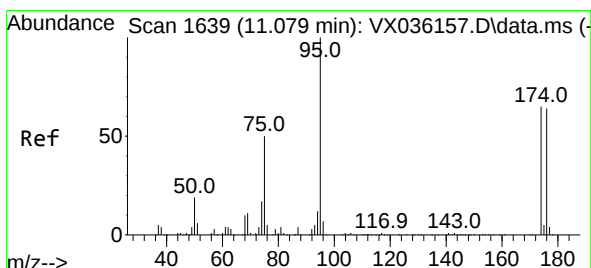
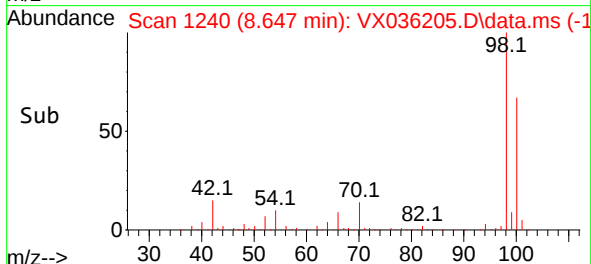
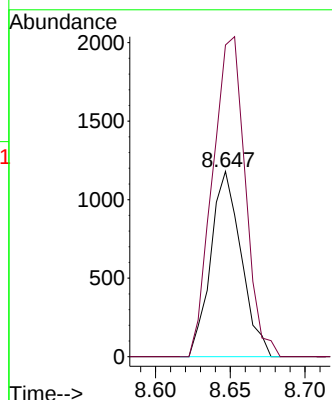
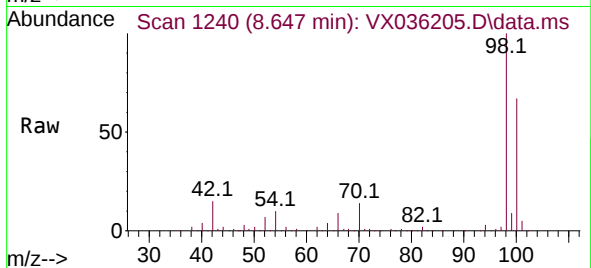
ClientSampleId :

Tgt Ion: 43 Resp: 1675

Ion Ratio Lower Upper

43 100

58 185.0 30.4 45.6#



#62

4-Bromofluorobenzene

Concen: 49.018 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX036205.D

Acq: 19 Jun 2023 14:53

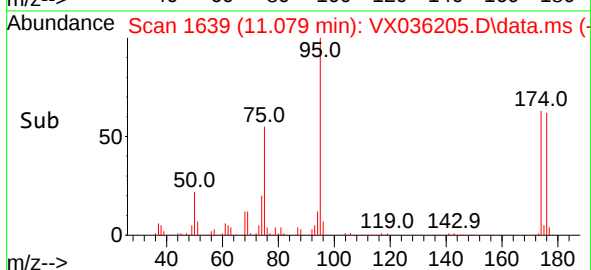
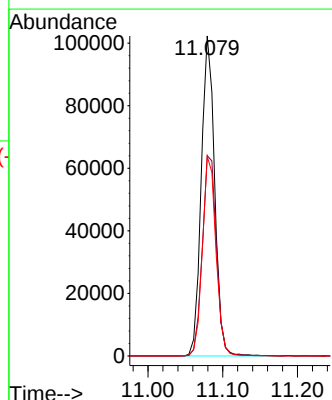
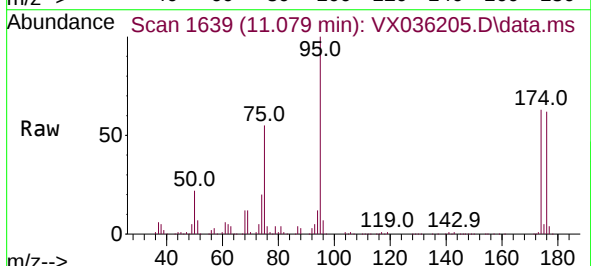
Tgt Ion: 95 Resp: 126928

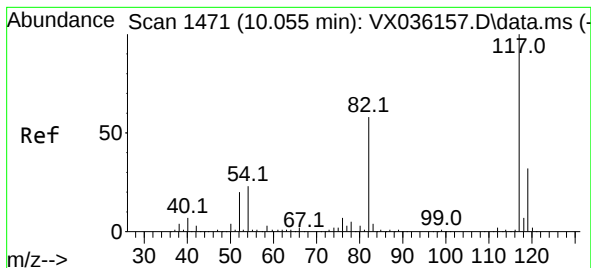
Ion Ratio Lower Upper

95 100

174 66.2 0.0 135.6

176 63.3 0.0 131.0

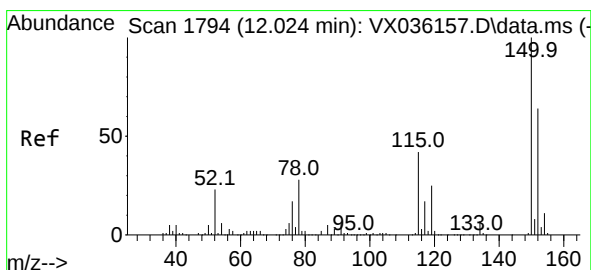
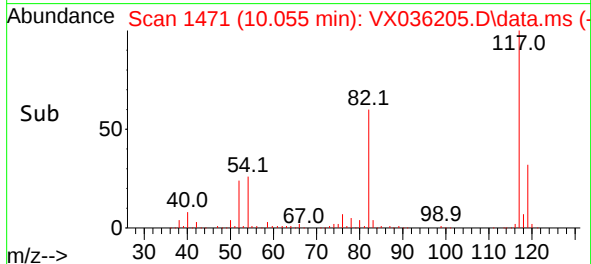
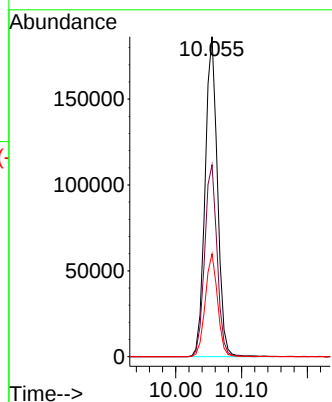
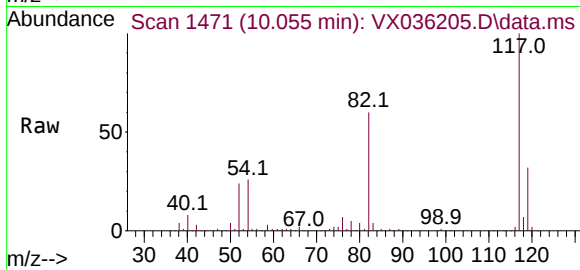




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036205.D
Acq: 19 Jun 2023 14:53

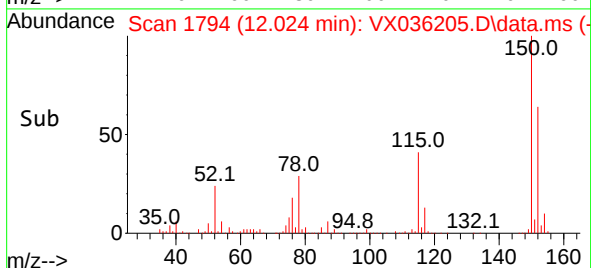
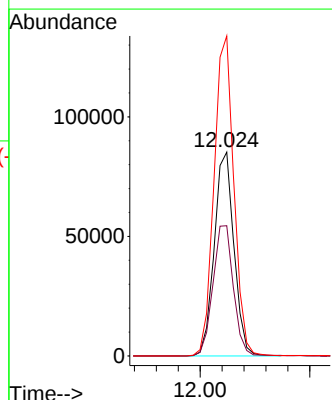
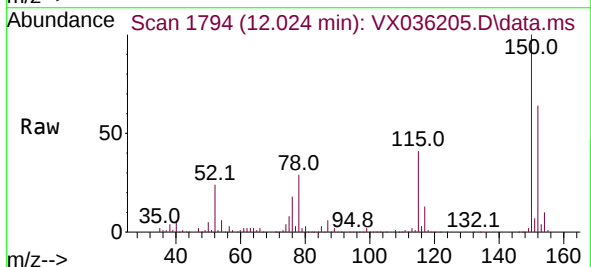
Instrument :
MSVOA_X
ClientSampleId :

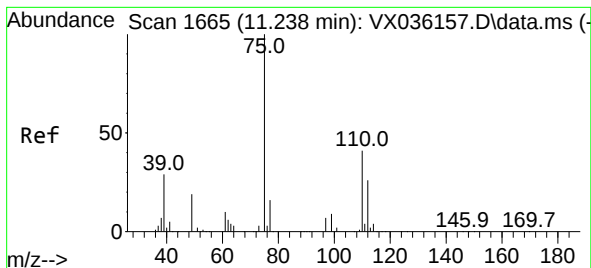
Tgt Ion:117 Resp: 243002
Ion Ratio Lower Upper
117 100
82 59.9 46.2 69.4
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX036205.D
Acq: 19 Jun 2023 14:53

Tgt Ion:152 Resp: 106464
Ion Ratio Lower Upper
152 100
115 66.5 43.3 129.9
150 157.5 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 28.550 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX036205.D

Acq: 19 Jun 2023 14:53

Instrument :

MSVOA_X

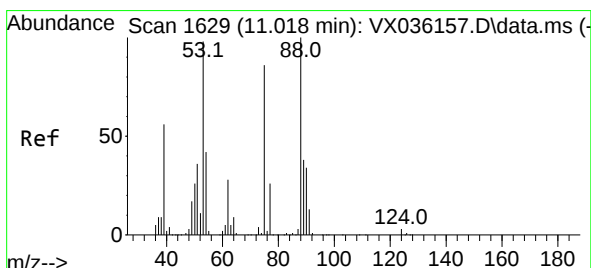
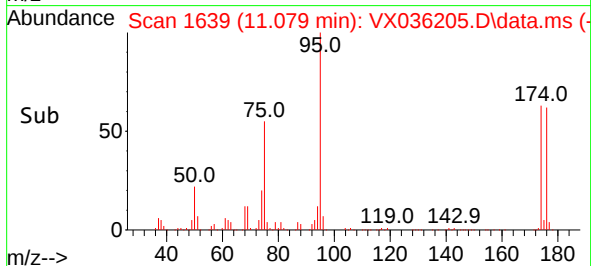
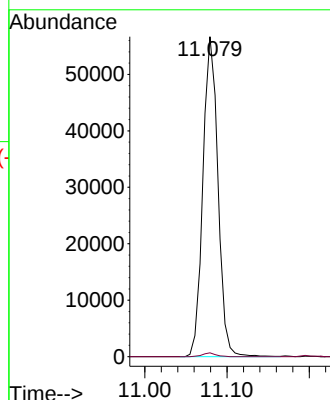
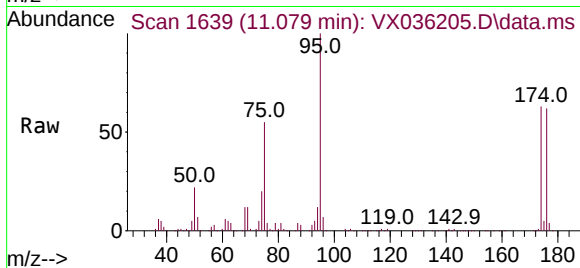
ClientSampleId :

Tgt Ion: 75 Resp: 72137

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 99.931 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX036205.D

Acq: 19 Jun 2023 14:53

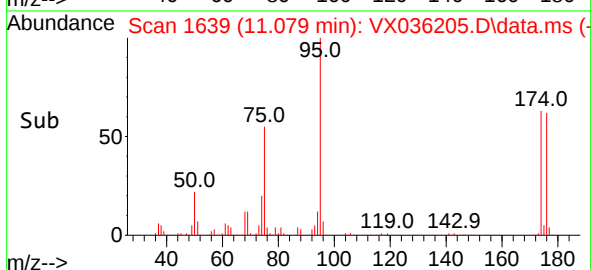
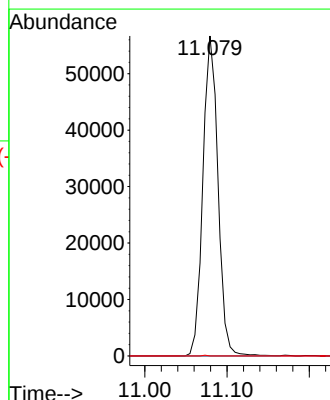
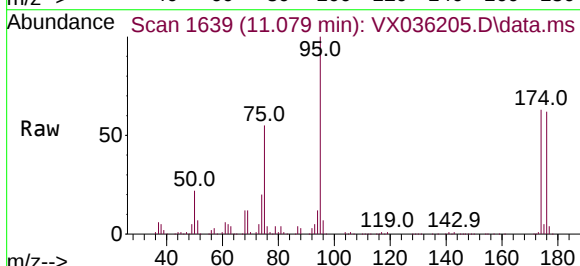
Tgt Ion: 75 Resp: 72137

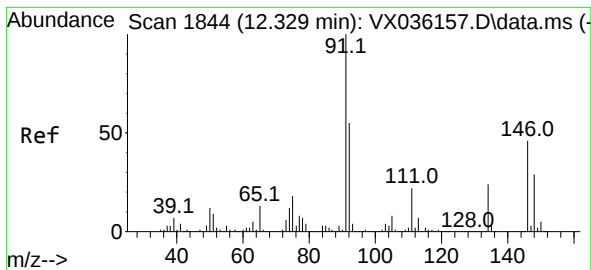
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.1 36.9 55.3#





#89

n-Butylbenzene

Concen: 0.205 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX036205.D

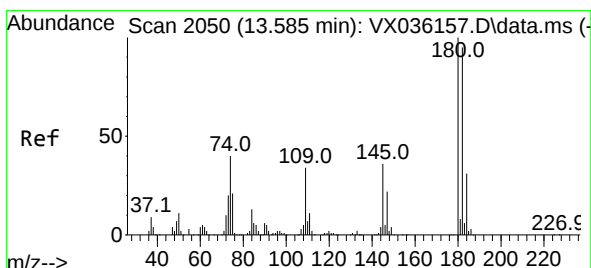
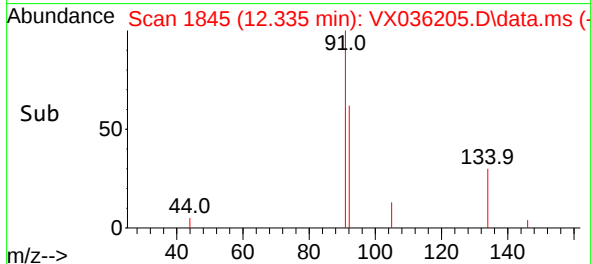
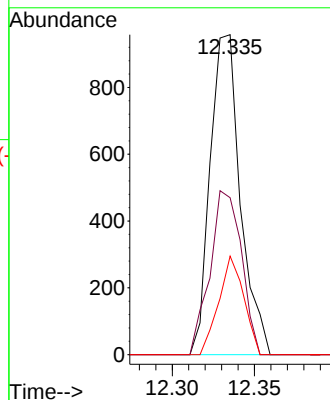
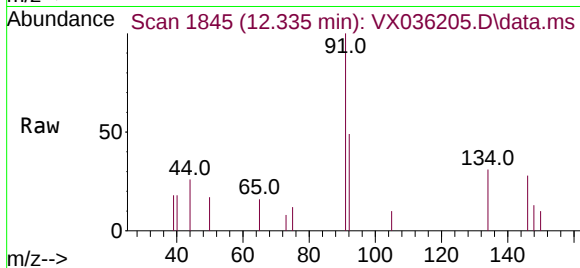
Acq: 19 Jun 2023 14:53

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 91	Resp:	1224
Ion	Ratio	Lower Upper
91	100	
92	53.3	27.4 82.0
134	25.5	12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.384 ug/l

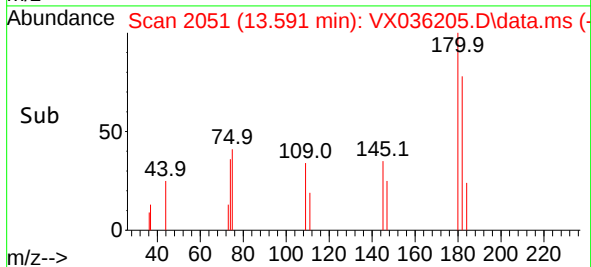
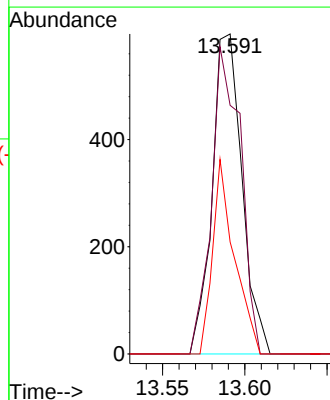
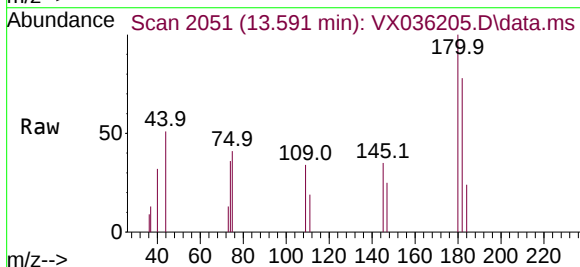
RT: 13.591 min Scan# 2051

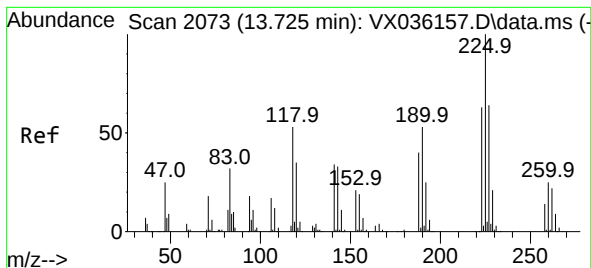
Delta R.T. 0.006 min

Lab File: VX036205.D

Acq: 19 Jun 2023 14:53

Tgt Ion: 180	Resp:	754
Ion	Ratio	Lower Upper
180	100	
182	93.1	48.3 144.8
145	44.2	18.0 54.0





#94

Hexachlorobutadiene

Concen: 0.392 ug/l

RT: 13.719 min Scan# 2073

Delta R.T. -0.006 min

Lab File: VX036205.D

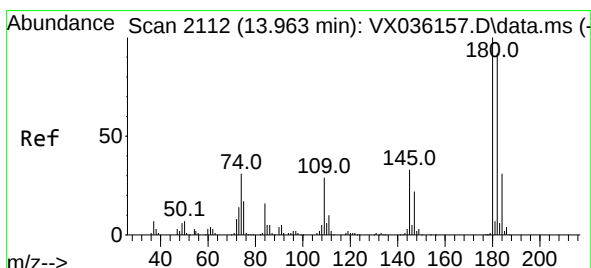
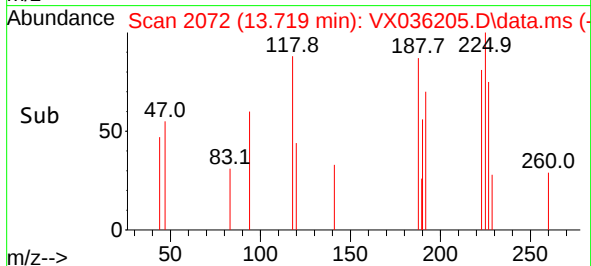
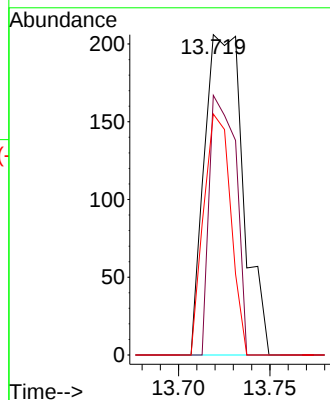
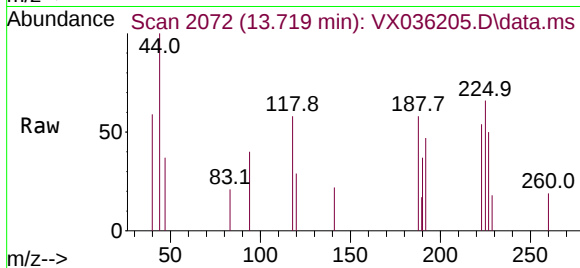
Acq: 19 Jun 2023 14:53

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:225	Resp:	304
Ion Ratio	Lower	Upper
225	100	
223	55.3	31.1 93.2
227	52.3	32.5 97.5



#96

1,2,3-Trichlorobenzene

Concen: 0.378 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX036205.D

Acq: 19 Jun 2023 14:53

Tgt Ion:180	Resp:	745
Ion Ratio	Lower	Upper
180	100	
182	86.7	46.9 140.6
145	36.1	17.8 53.5

