

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX061923\
 Data File : VX036200.D
 Acq On : 19 Jun 2023 12:48
 Operator : JC/MD
 Sample : VX0619MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619MBL01

Quant Time: Jun 20 03:40:06 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)

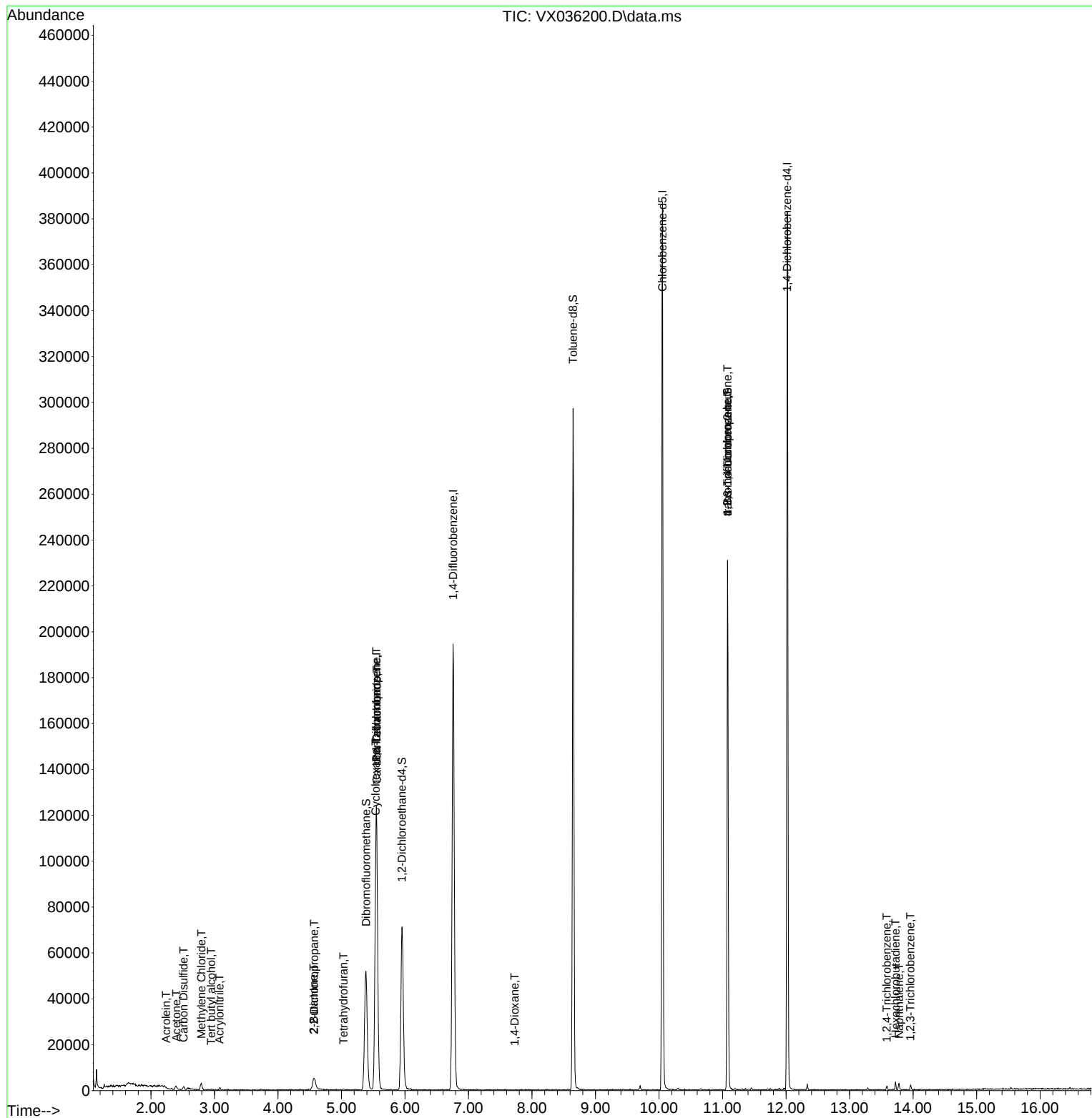
Internal Standards						
1) Pentafluorobenzene	5.550	168	101735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	181677	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	163527	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	71980	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	73966	39.785	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	79.560%		
35) Dibromofluoromethane	5.385	113	45846	37.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	74.420%#		
50) Toluene-d8	8.647	98	164728	36.554	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	73.100%#		
62) 4-Bromofluorobenzene	11.079	95	62035	34.102	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	68.200%#		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.947	59	164	0.577	ug/l #	78
13) Acrolein	2.239	56	279	0.884	ug/l #	76
15) Acrylonitrile	3.081	53	348	0.479	ug/l #	88
16) Acetone	2.398	43	1855	2.402	ug/l #	85
17) Carbon Disulfide	2.514	76	1509	0.556	ug/l #	83
20) Methylene Chloride	2.794	84	1267	0.905	ug/l	94
25) 2-Butanone	4.562	43	279	0.258	ug/l #	51
26) 2,2-Dichloropropane	4.568	77	382	0.201	ug/l #	54
29) Tetrahydrofuran	5.032	42	341	0.497	ug/l #	34
31) Cyclohexane	5.538	56	2968	1.488	ug/l #	48
36) 1,1-Dichloropropene	5.550	75	10163	5.600	ug/l #	51
38) Carbon Tetrachloride	5.556	117	11980	6.791	ug/l #	16
49) 1,4-Dioxane	7.726	88	19	0.684	ug/l #	12
76) 1,2,3-Trichloropropane	11.079	75	34498	20.195	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	34498	70.685	ug/l #	5
93) 1,2,4-Trichlorobenzene	13.585	180	500	0.377	ug/l #	78
94) Hexachlorobutadiene	13.725	225	420	0.800	ug/l	93
95) Naphthalene	13.780	128	1922	0.420	ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	545	0.409	ug/l	92

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

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Quant Time: Jun 20 03:40:06 2023
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Quant Title : SW846 8260
QLast Update : Fri Jun 16 16:28:40 2023
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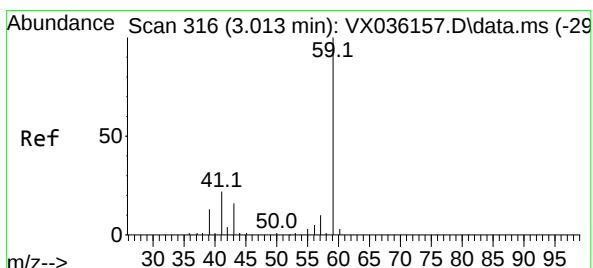
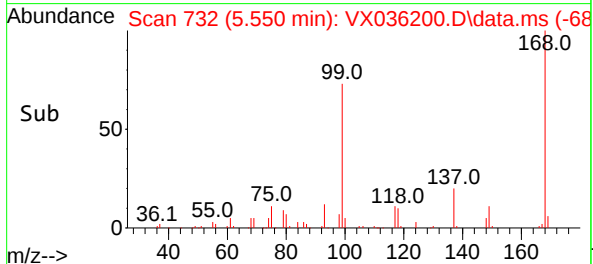
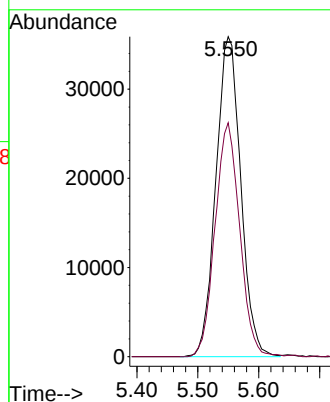
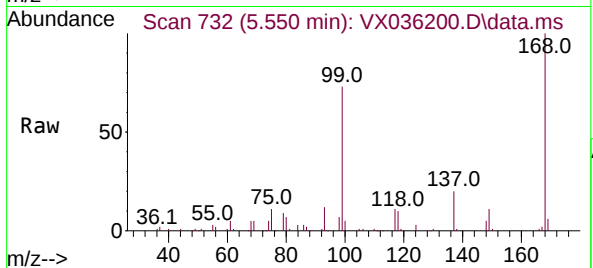




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

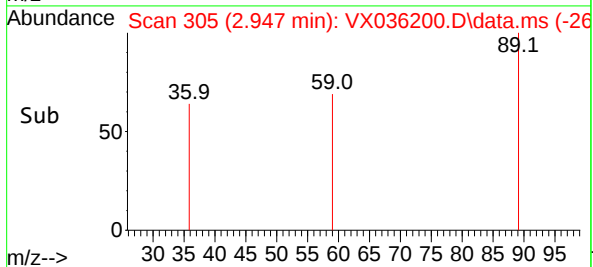
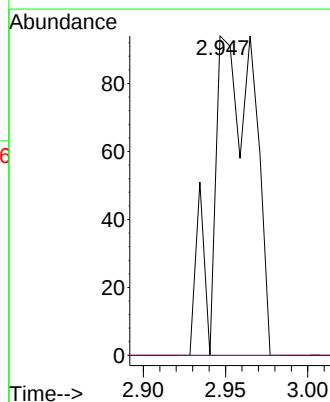
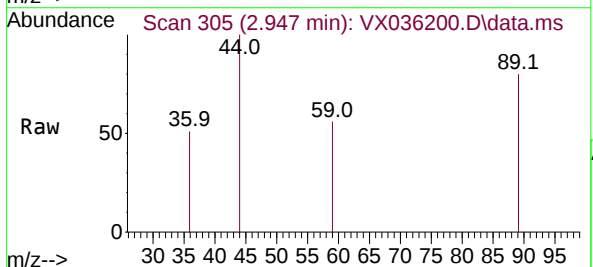
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

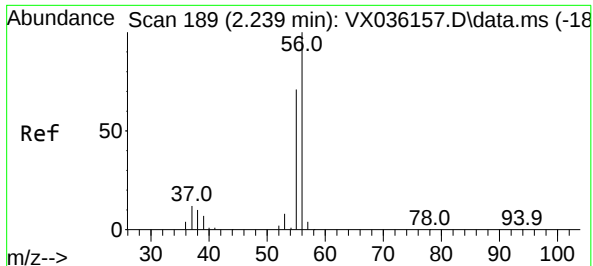
Tgt Ion:168 Resp: 101735
Ion Ratio Lower Upper
168 100
99 73.1 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.577 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.066 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion: 59 Resp: 164
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

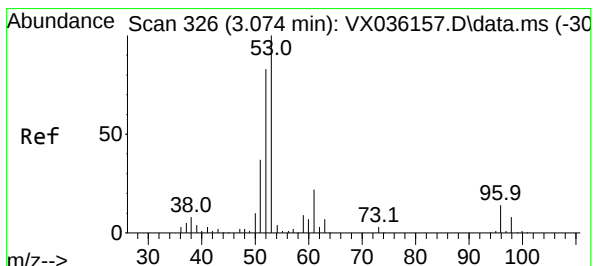
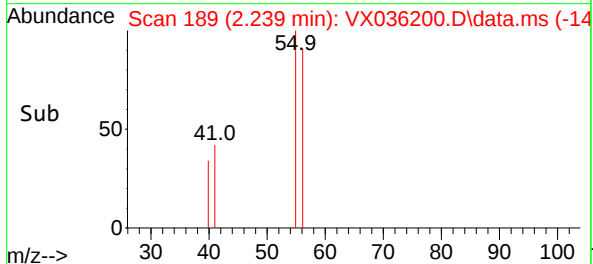
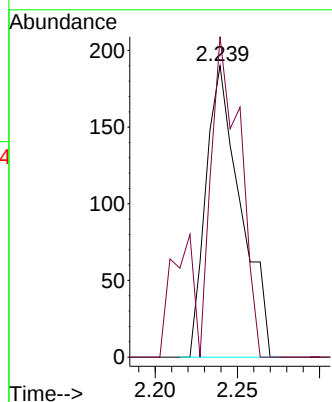
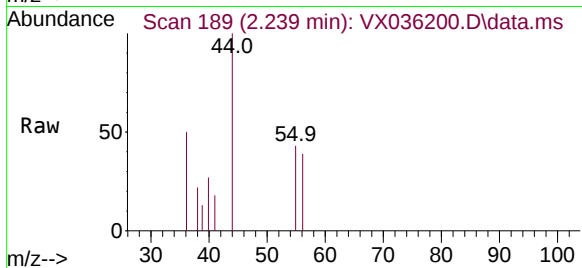




#13
Acrolein
Concen: 0.884 ug/l
RT: 2.239 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

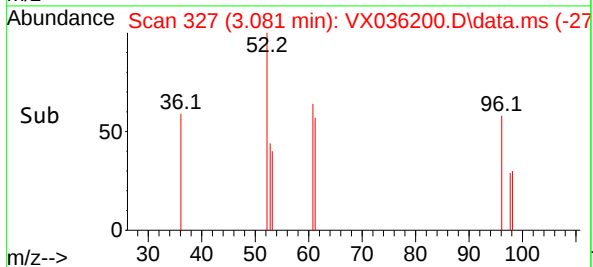
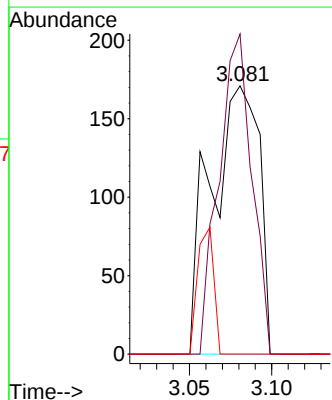
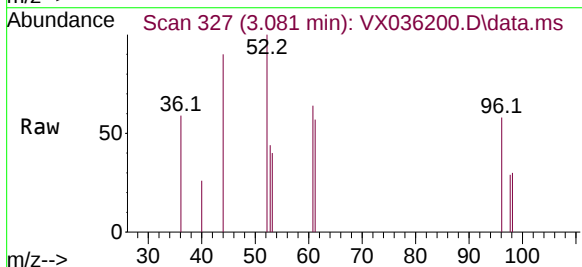
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

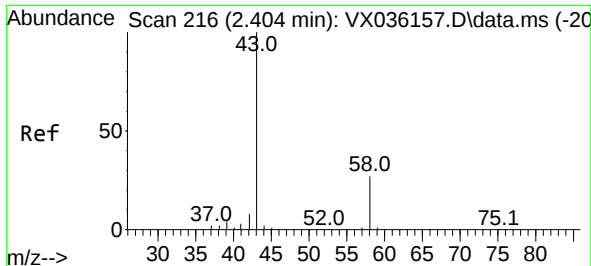
Tgt Ion: 56 Resp: 279
Ion Ratio Lower Upper
56 100
55 91.4 57.1 85.7#



#15
Acrylonitrile
Concen: 0.479 ug/l
RT: 3.081 min Scan# 327
Delta R.T. 0.007 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion: 53 Resp: 348
Ion Ratio Lower Upper
53 100
52 81.9 66.0 99.0
51 15.8 29.8 44.6#

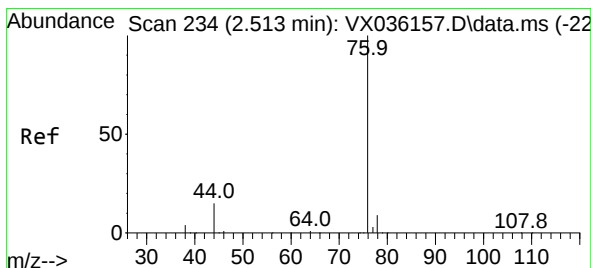
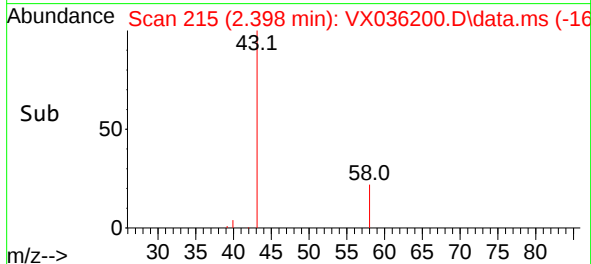
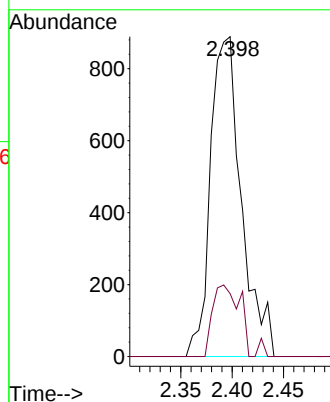
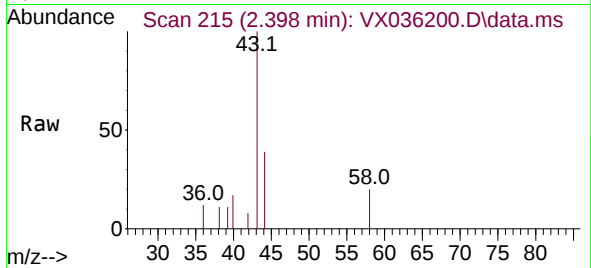




#16
Acetone
Concen: 2.402 ug/l
RT: 2.398 min Scan# 216
Delta R.T. -0.006 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

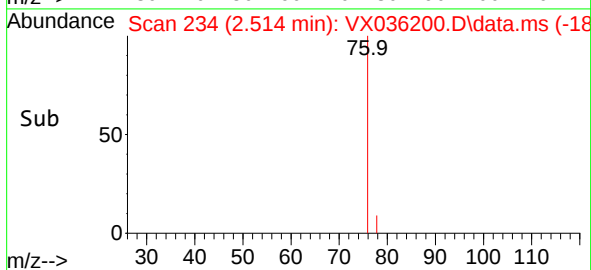
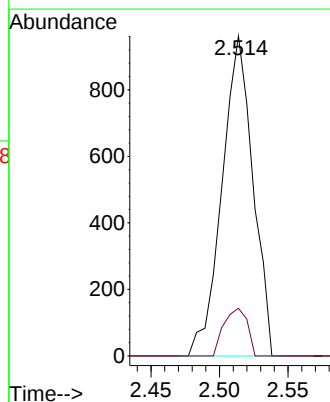
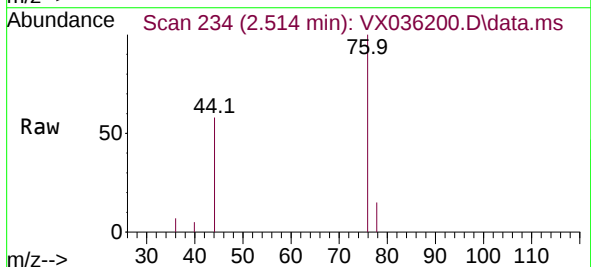
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

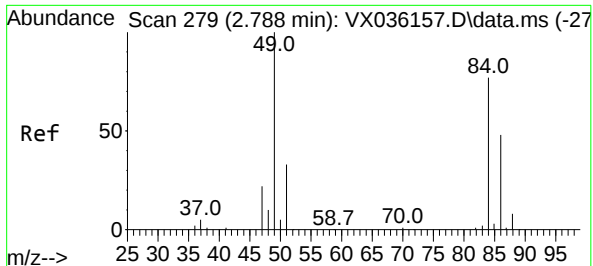
Tgt Ion: 43 Resp: 1855
Ion Ratio Lower Upper
43 100
58 19.7 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.556 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.001 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion: 76 Resp: 1509
Ion Ratio Lower Upper
76 100
78 14.9 7.0 10.6#

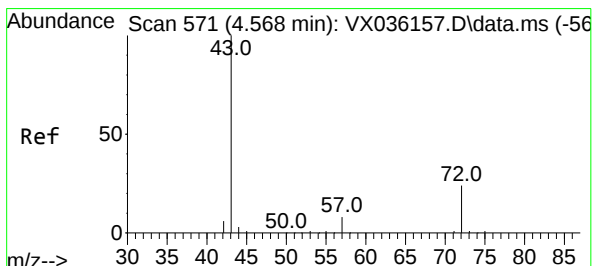
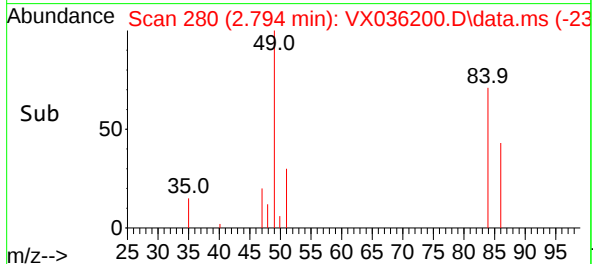
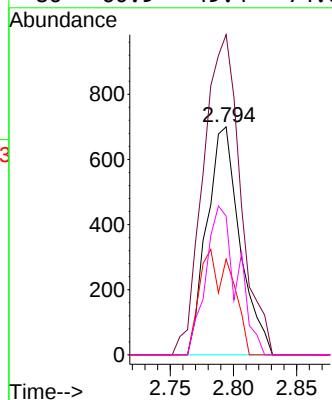
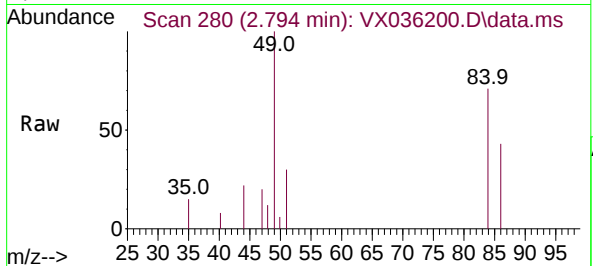




#20
Methylene Chloride
Concen: 0.905 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

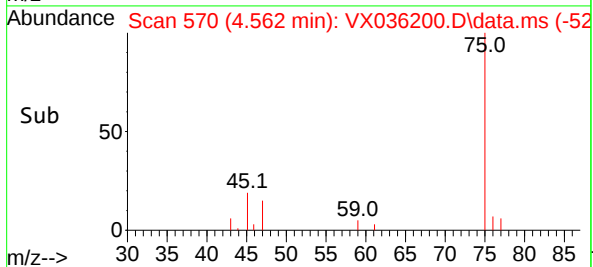
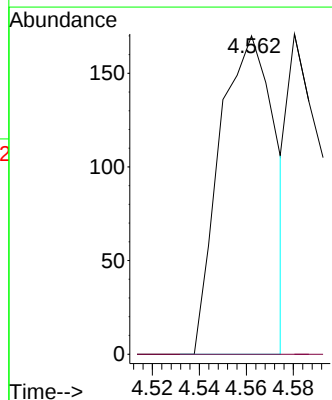
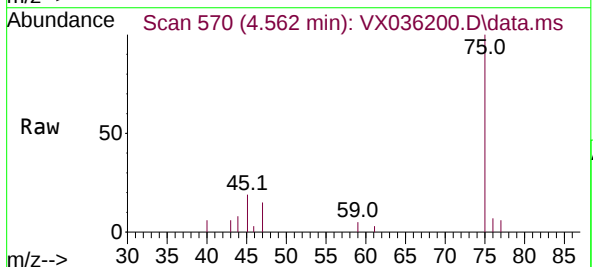
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

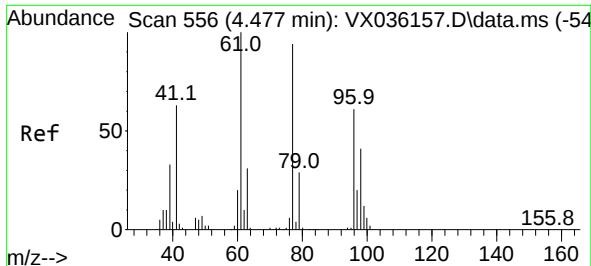
Tgt Ion: 84	Resp: 1267
Ion Ratio	Lower Upper
84 100	
49 140.4	103.6 155.4
51 42.0	33.8 50.6
86 60.9	49.4 74.0



#25
2-Butanone
Concen: 0.258 ug/l
RT: 4.562 min Scan# 570
Delta R.T. -0.006 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion: 43	Resp: 279		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	19.4	29.2#	





#26

2,2-Dichloropropane

Concen: 0.201 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.091 min

Lab File: VX036200.D

Acq: 19 Jun 2023 12:48

Instrument :

MSVOA_X

ClientSampleId :

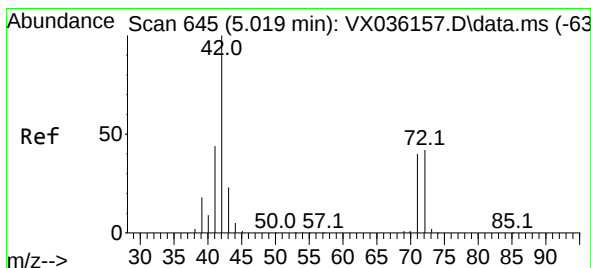
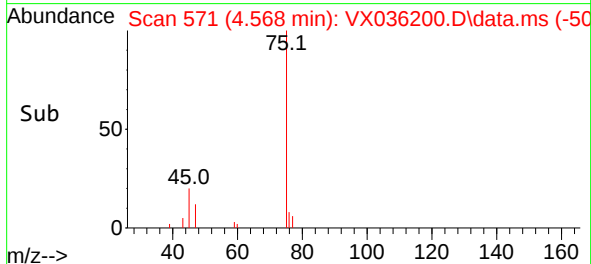
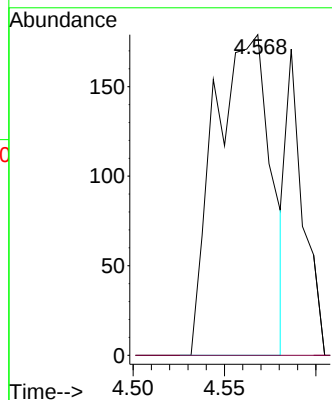
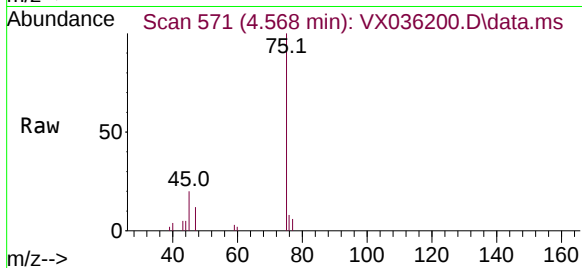
VX0619MBL01

Tgt Ion: 77 Resp: 382

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.3#



#29

Tetrahydrofuran

Concen: 0.497 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX036200.D

Acq: 19 Jun 2023 12:48

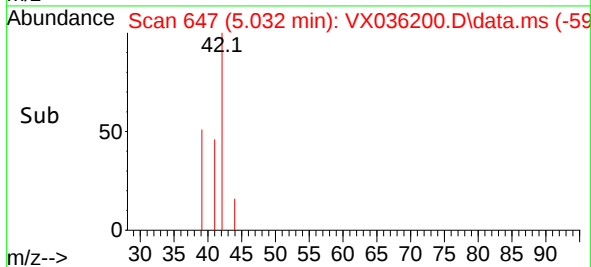
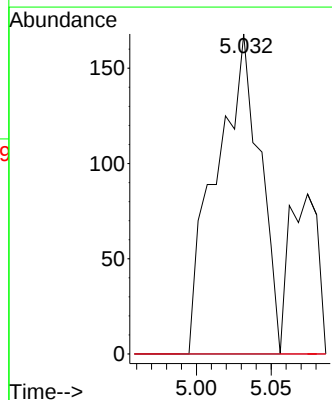
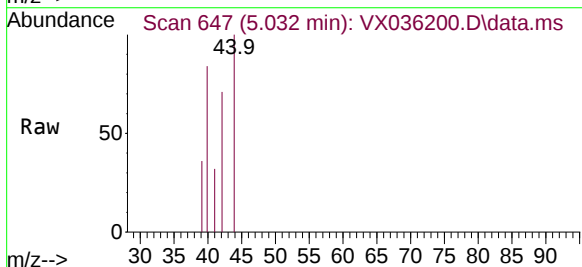
Tgt Ion: 42 Resp: 341

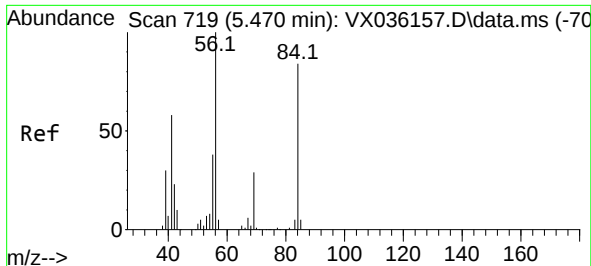
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

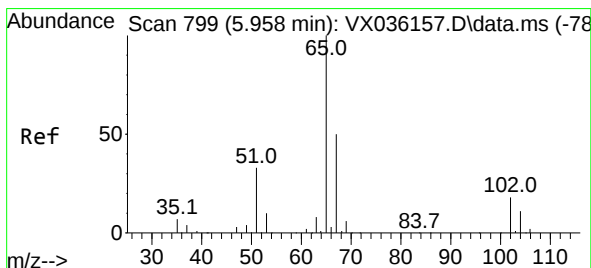
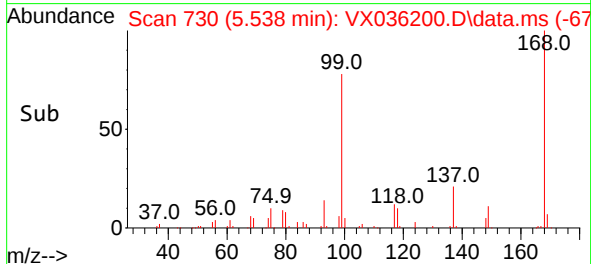
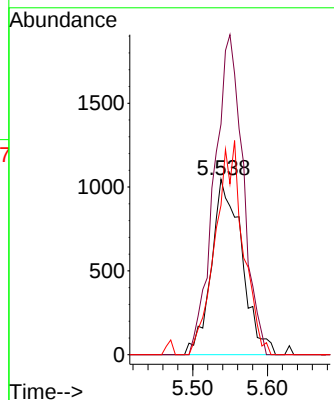
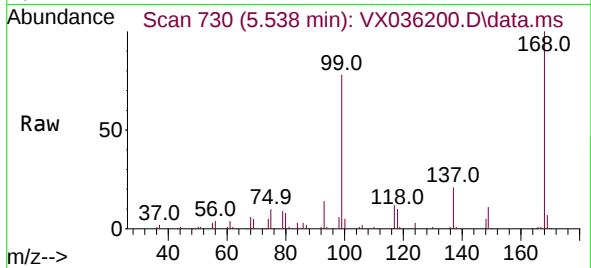




#31
Cyclohexane
Concen: 1.488 ug/l
RT: 5.538 min Scan# 719
Delta R.T. 0.068 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

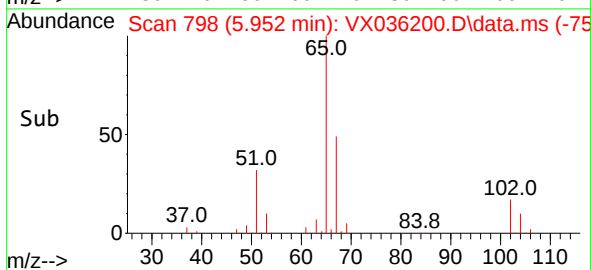
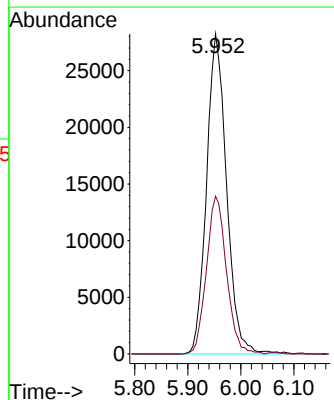
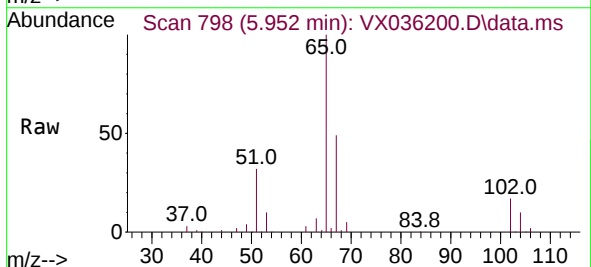
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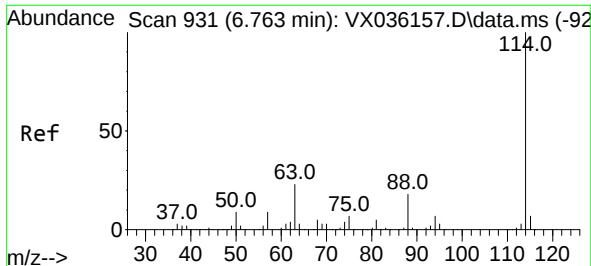
Tgt Ion: 56 Resp: 2968
Ion Ratio Lower Upper
56 100
69 131.5 23.4 35.2#
84 85.3 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 39.785 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion: 65 Resp: 73966
Ion Ratio Lower Upper
65 100
67 49.4 0.0 100.2

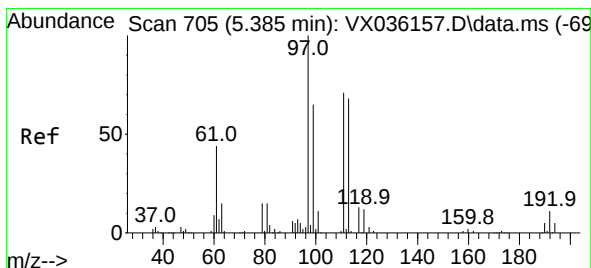
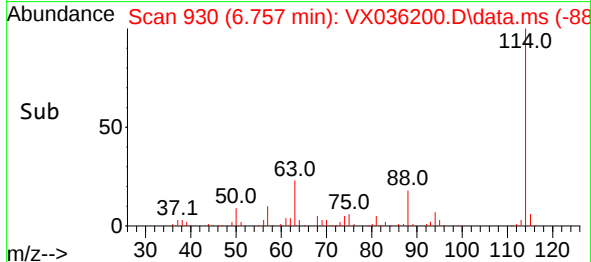
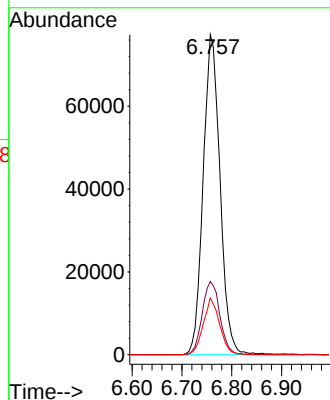
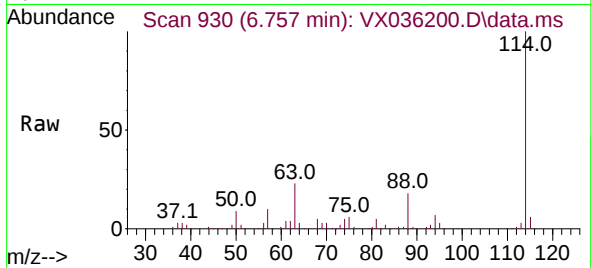




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

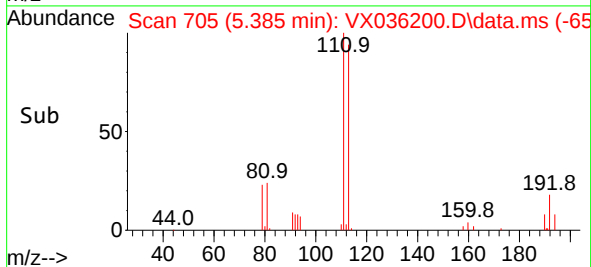
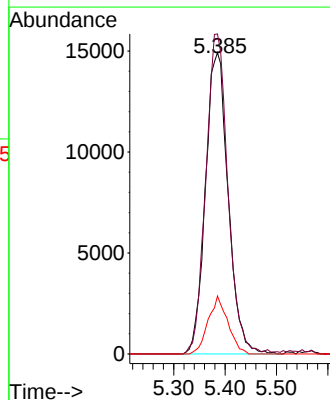
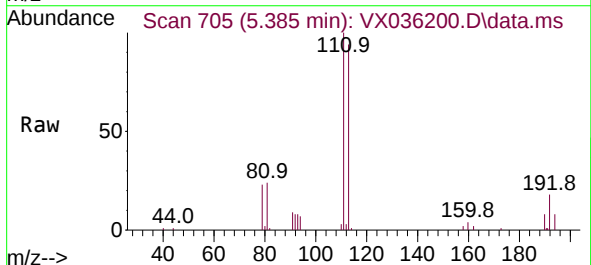
Instrument :
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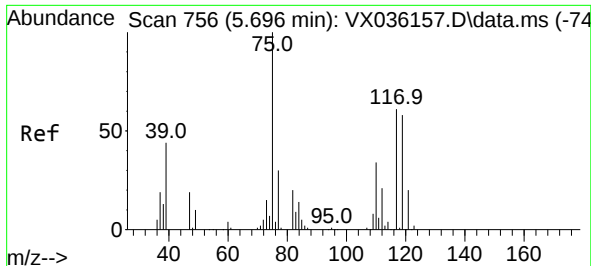
Tgt Ion:114 Resp: 181677
Ion Ratio Lower Upper
114 100
63 22.9 0.0 45.0
88 17.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 37.213 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion:113 Resp: 45846
Ion Ratio Lower Upper
113 100
111 103.3 82.9 124.3
192 16.7 13.3 19.9

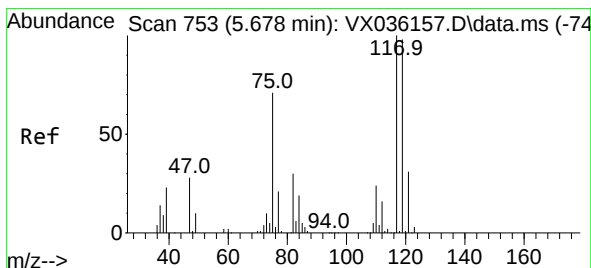
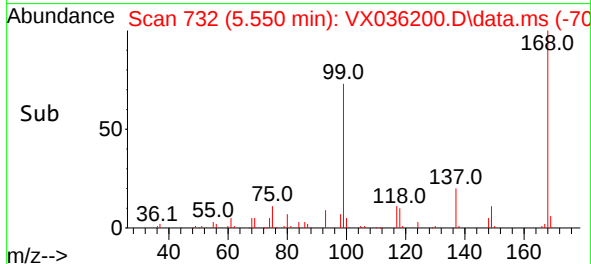
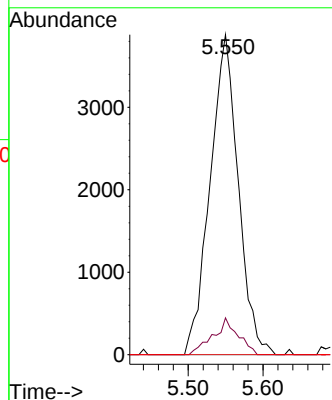
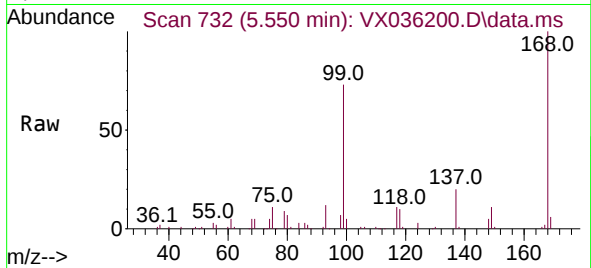




#36
1,1-Dichloropropene
Concen: 5.600 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

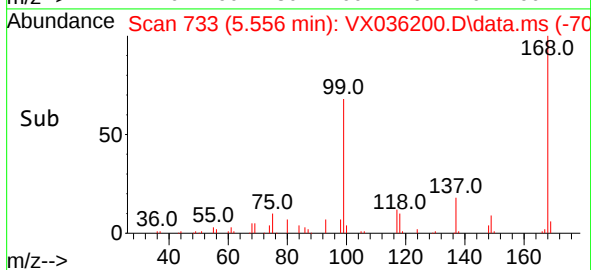
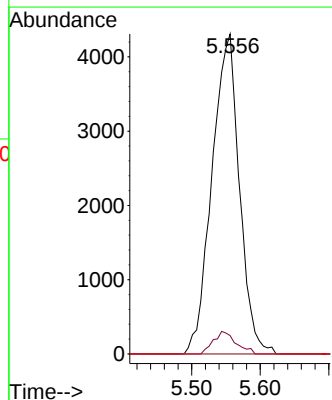
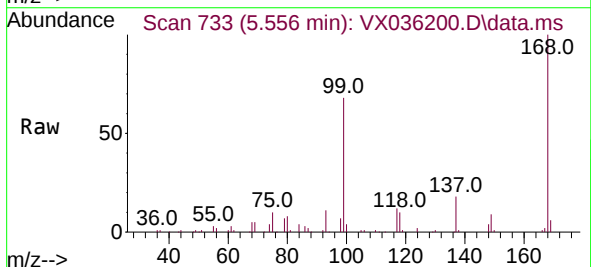
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

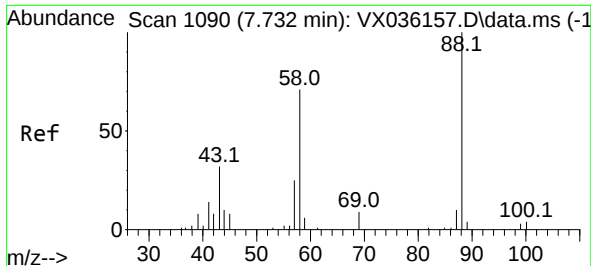
Tgt Ion: 75 Resp: 10163
Ion Ratio Lower Upper
75 100
110 10.2 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.791 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion: 117 Resp: 11980
Ion Ratio Lower Upper
117 100
119 5.8 78.2 117.2#
121 0.0 24.4 36.6#





#49

1,4-Dioxane

Concen: 0.684 ug/l

RT: 7.726 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VX036200.D

Acq: 19 Jun 2023 12:48

Instrument :

MSVOA_X

ClientSampleId :

VX0619MBL01

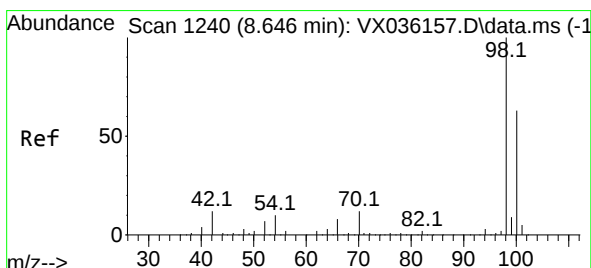
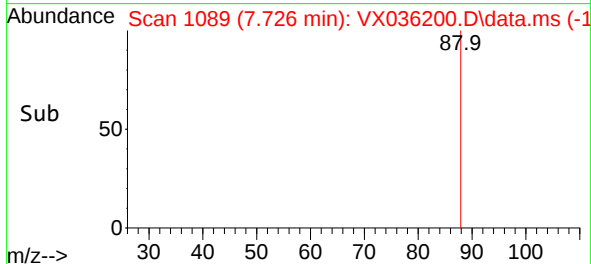
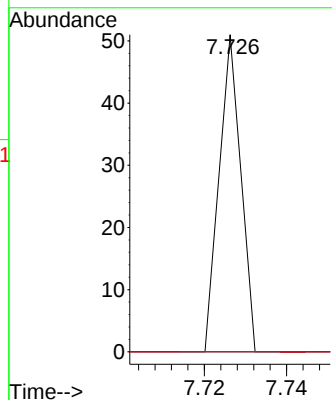
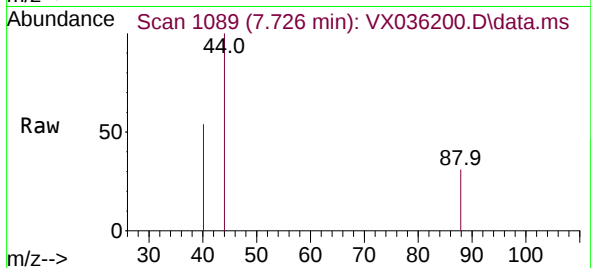
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 60.1 90.1#



#50

Toluene-d8

Concen: 36.554 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.001 min

Lab File: VX036200.D

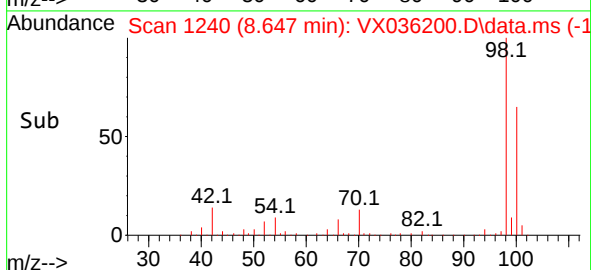
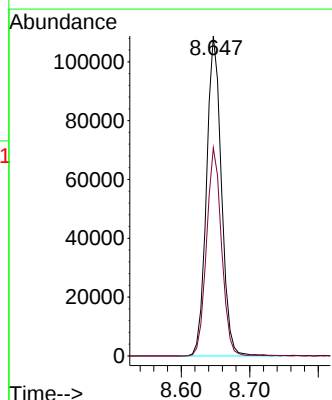
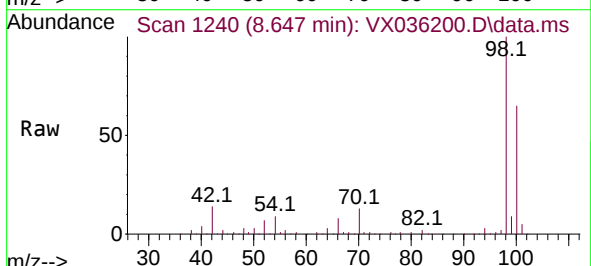
Acq: 19 Jun 2023 12:48

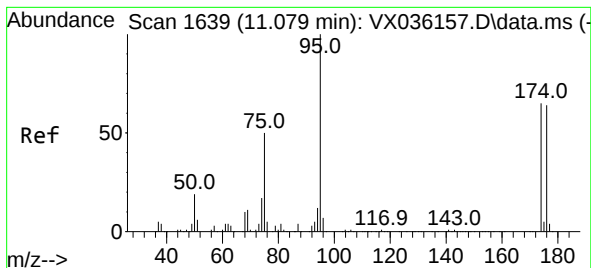
Tgt Ion: 98 Resp: 164728

Ion Ratio Lower Upper

98 100

100 65.5 53.1 79.7

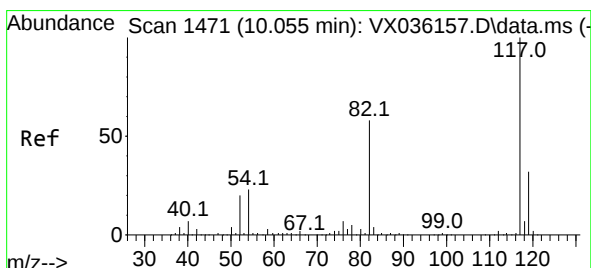
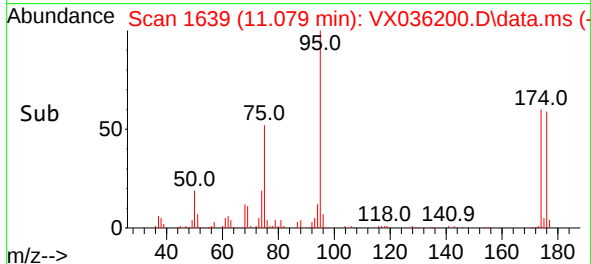
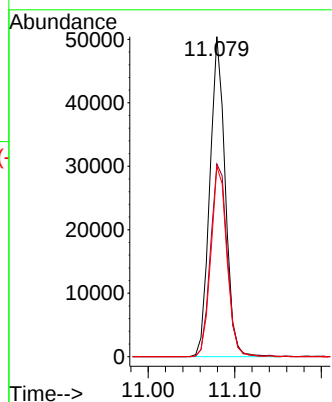
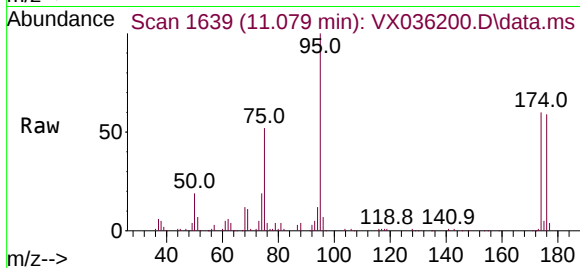




#62
4-Bromofluorobenzene
Concen: 34.102 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

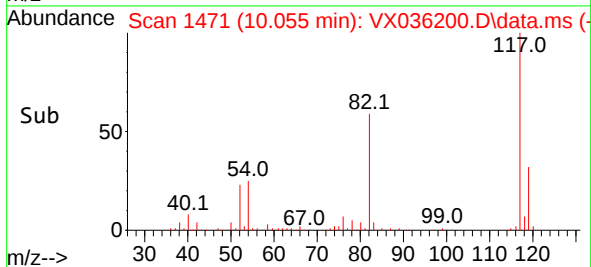
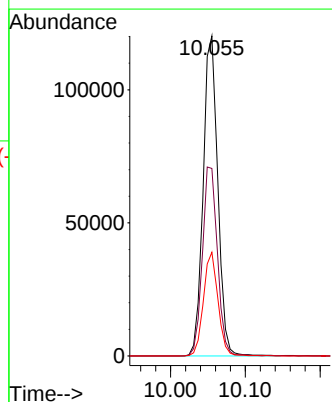
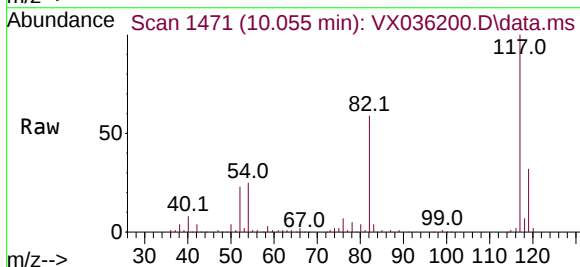
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

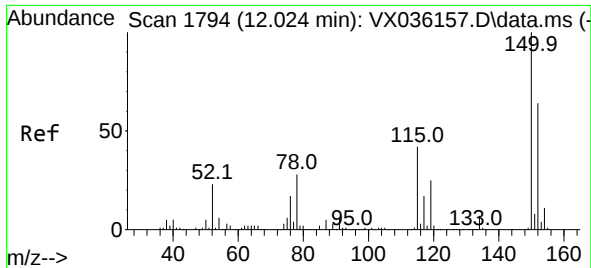
Tgt Ion: 95 Resp: 62035
Ion Ratio Lower Upper
95 100
174 65.4 0.0 135.6
176 62.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion: 117 Resp: 163527
Ion Ratio Lower Upper
117 100
82 58.6 46.2 69.4
119 32.4 25.5 38.3

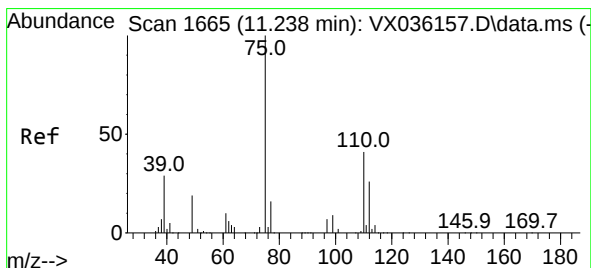
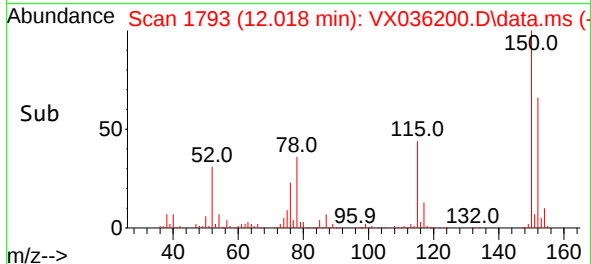
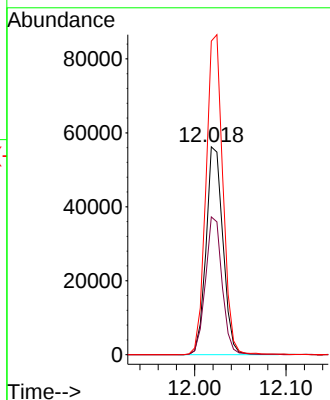
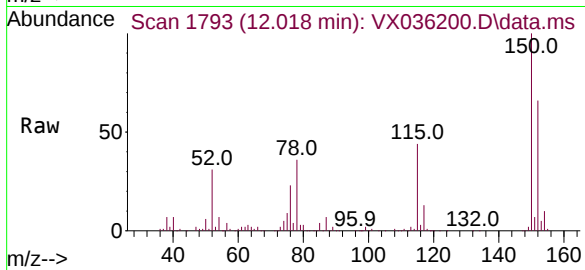




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

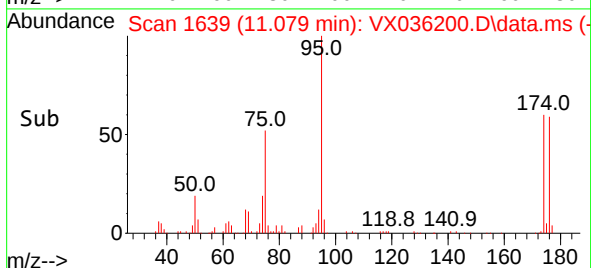
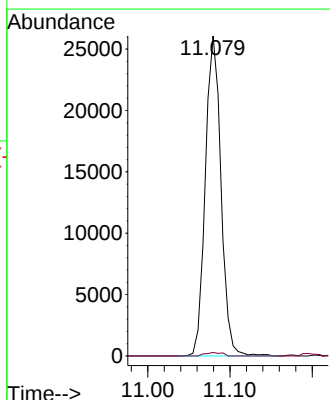
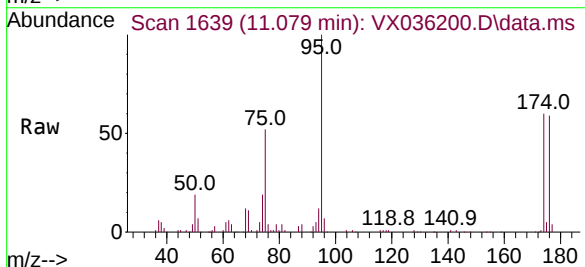
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

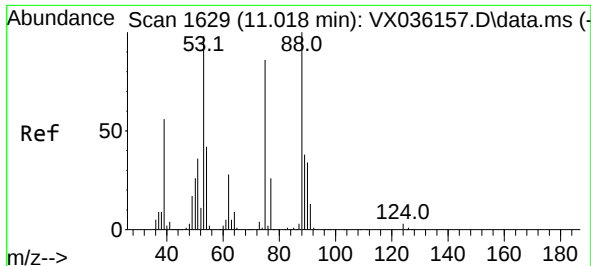
Tgt Ion:152 Resp: 71980
Ion Ratio Lower Upper
152 100
115 65.3 43.3 129.9
150 154.1 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.195 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion: 75 Resp: 34498
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

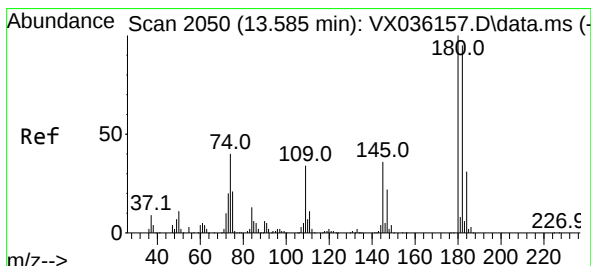
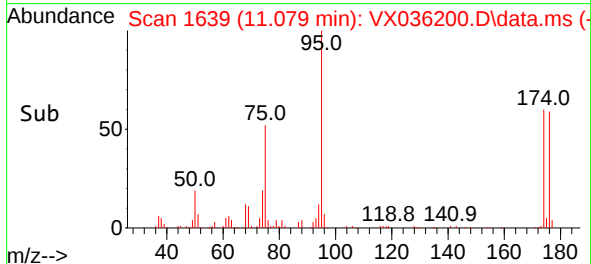
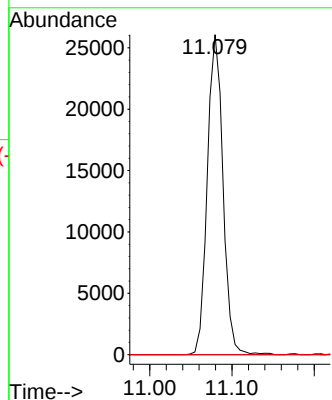
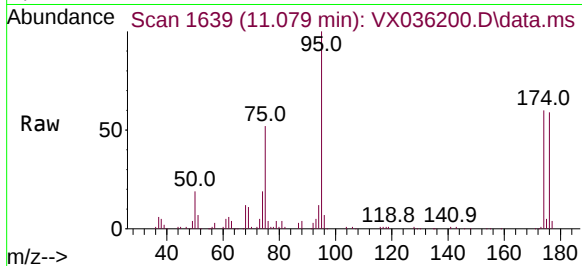




#81
trans-1,4-Dichloro-2-butene
Concen: 70.685 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

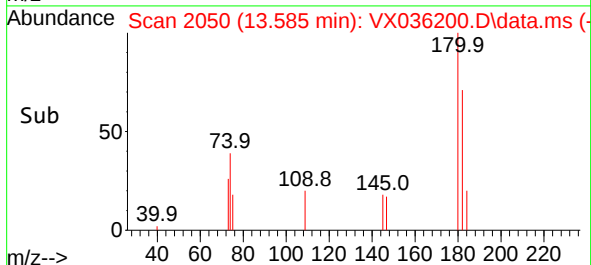
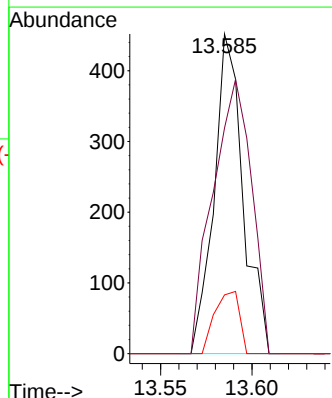
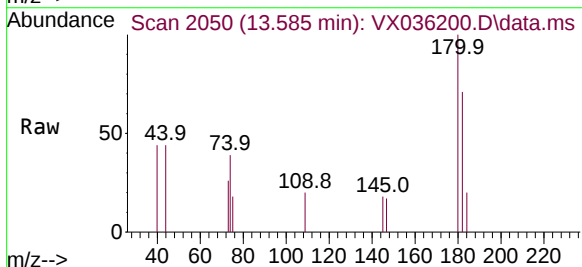
Instrument :
MSVOA_X
ClientSampleId :
VX0619MBL01

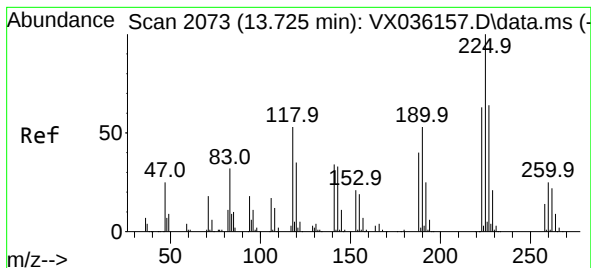
Tgt Ion: 75 Resp: 34498
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.377 ug/l
RT: 13.585 min Scan# 2050
Delta R.T. -0.000 min
Lab File: VX036200.D
Acq: 19 Jun 2023 12:48

Tgt Ion: 180 Resp: 500
Ion Ratio Lower Upper
180 100
182 114.4 48.3 144.8
145 16.6 18.0 54.0#





#94

Hexachlorobutadiene

Concen: 0.800 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX036200.D

Acq: 19 Jun 2023 12:48

Instrument :

MSVOA_X

ClientSampleId :

VX0619MBL01

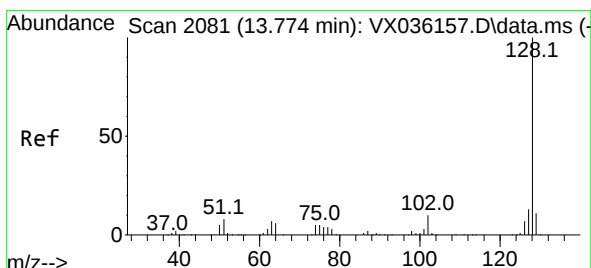
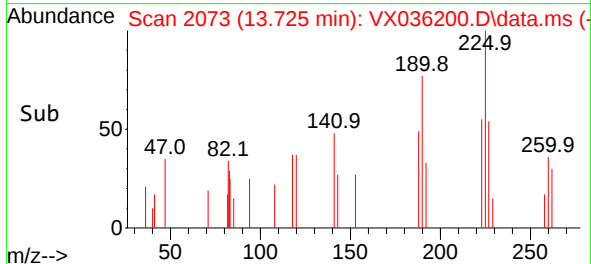
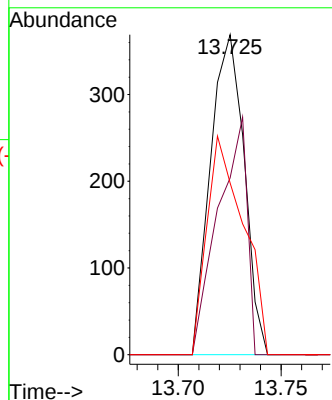
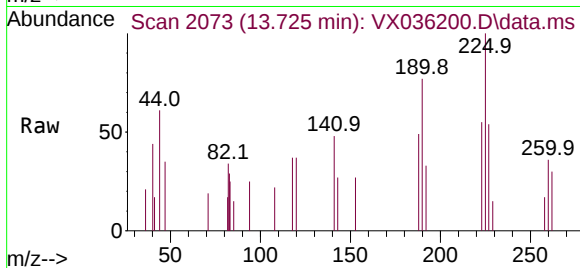
Tgt Ion:225 Resp: 420

Ion Ratio Lower Upper

225 100

223 63.8 31.1 93.2

227 74.3 32.5 97.5



#95

Naphthalene

Concen: 0.420 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX036200.D

Acq: 19 Jun 2023 12:48

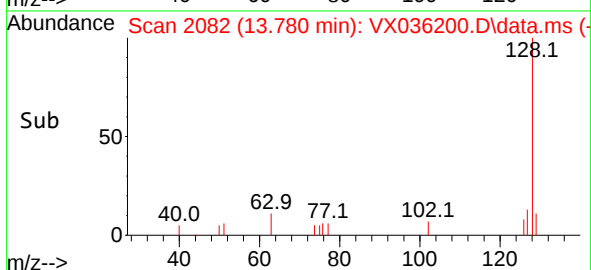
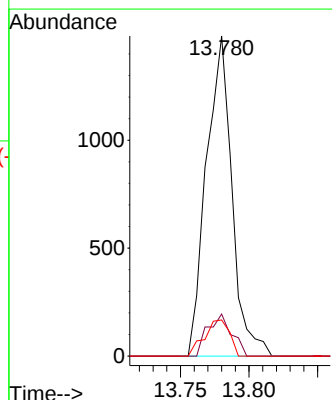
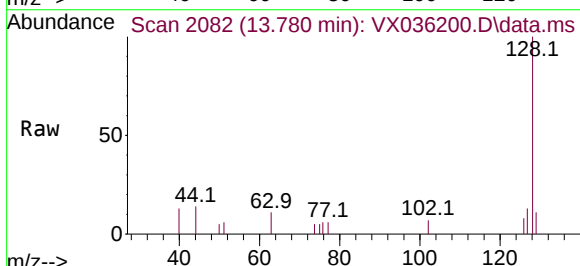
Tgt Ion:128 Resp: 1922

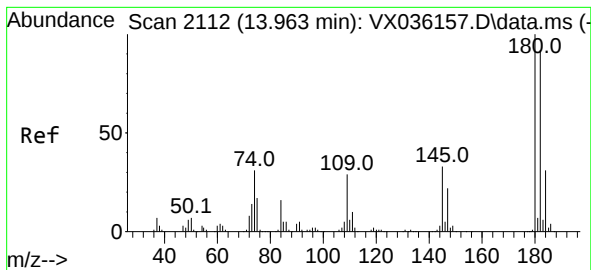
Ion Ratio Lower Upper

128 100

127 12.4 10.3 15.5

129 11.1 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.409 ug/l
 RT: 13.957 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VX036200.D
 Acq: 19 Jun 2023 12:48

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619MBL01

Tgt Ion:180 Resp: 545

Ion	Ratio	Lower	Upper
180	100		
182	102.9	46.9	140.6
145	38.0	17.8	53.5

