

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081623\
 Data File : VX037006.D
 Acq On : 16 Aug 2023 10:31
 Operator : JC/MD
 Sample : VX0816MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBL01

Quant Time: Aug 17 04:11:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072123W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 21 12:14:12 2023
 Response via : Initial Calibration

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

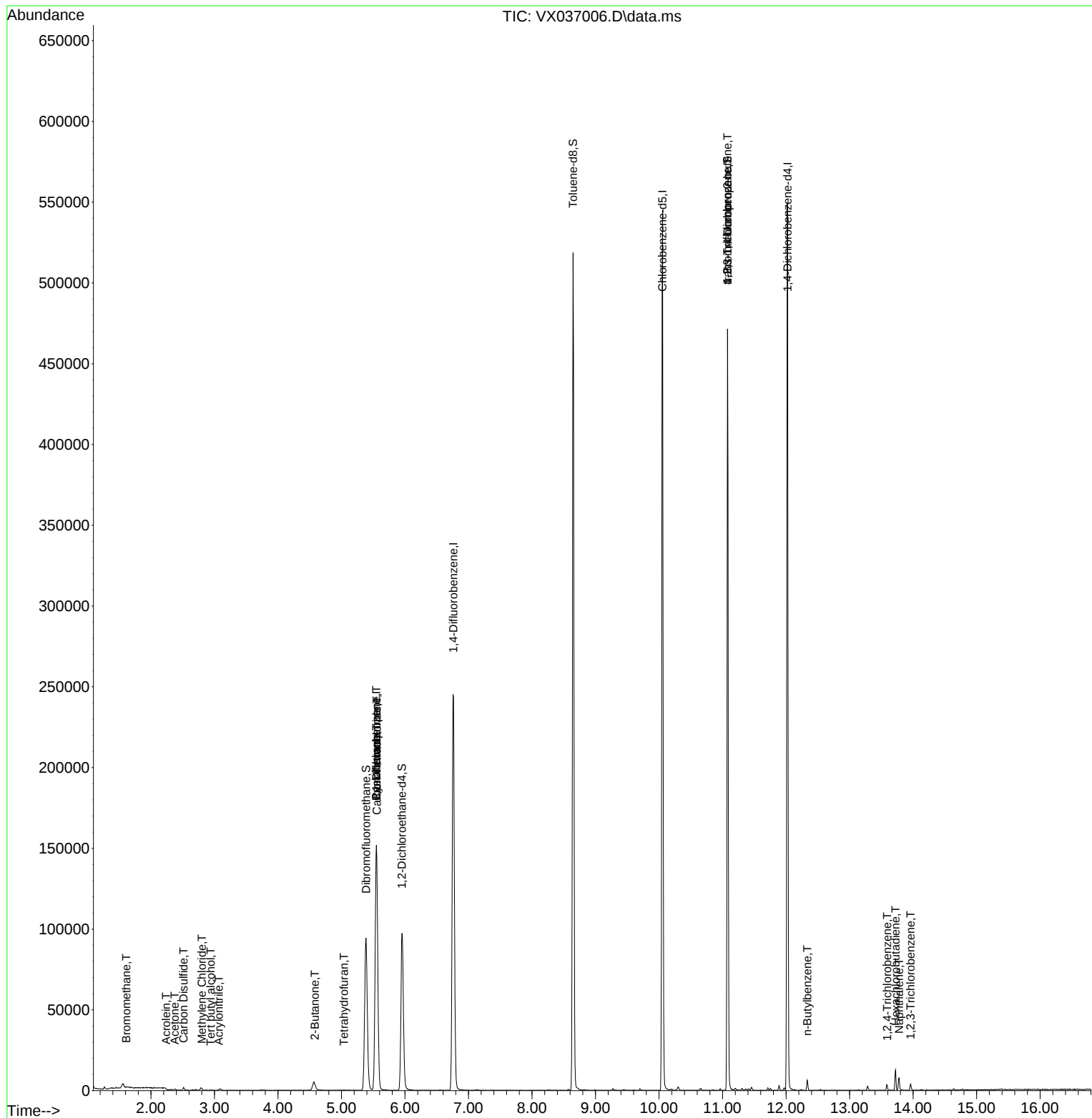
Internal Standards						
1) Pentafluorobenzene	5.550	168	140412	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	258583	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	245744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	114486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	98560	47.439	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	94.880%		
35) Dibromofluoromethane	5.385	113	82589	46.467	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.940%		
50) Toluene-d8	8.647	98	307615	48.805	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.620%		
62) 4-Bromofluorobenzene	11.079	95	124899	52.523	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.040%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	334	0.326	ug/l #	53
11) Tert butyl alcohol	2.940	59	243	0.494	ug/l #	78
13) Acrolein	2.239	56	251	0.894	ug/l #	70
15) Acrylonitrile	3.068	53	412	0.417	ug/l	96
16) Acetone	2.373	43	714	0.828	ug/l #	89
17) Carbon Disulfide	2.514	76	1828	0.421	ug/l	96
20) Methylene Chloride	2.800	84	753	0.393	ug/l #	76
25) 2-Butanone	4.580	43	403	0.288	ug/l #	51
29) Tetrahydrofuran	5.037	42	196	0.217	ug/l #	34
31) Cyclohexane	5.550	56	3110	1.081	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11446	4.321	ug/l #	51
38) Carbon Tetrachloride	5.556	117	15059	5.347	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	65049	24.156	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	65049	54.752	ug/l #	5
89) n-Butylbenzene	12.335	91	2509	0.351	ug/l	97
93) 1,2,4-Trichlorobenzene	13.591	180	978	0.412	ug/l	93
94) Hexachlorobutadiene	13.725	225	1889	1.922	ug/l	93
95) Naphthalene	13.780	128	6157	0.744	ug/l	96
96) 1,2,3-Trichlorobenzene	13.963	180	1139	0.486	ug/l	89

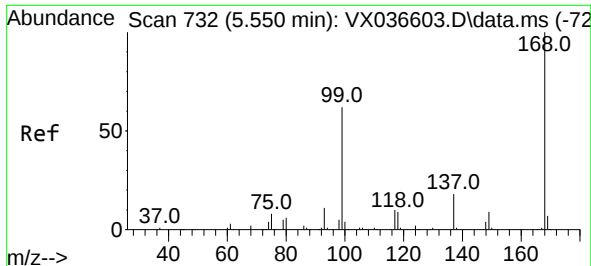
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 21 12:14:12 2023
Response via : Initial Calibration

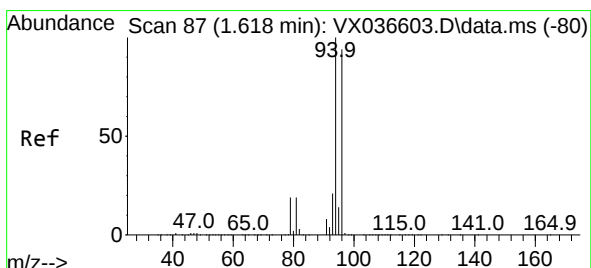
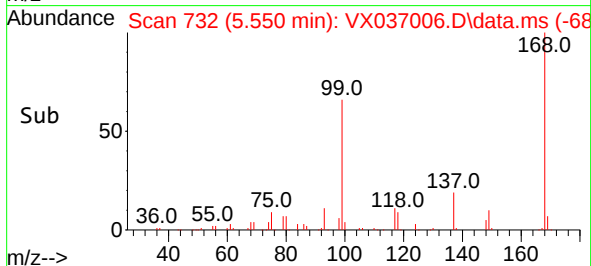
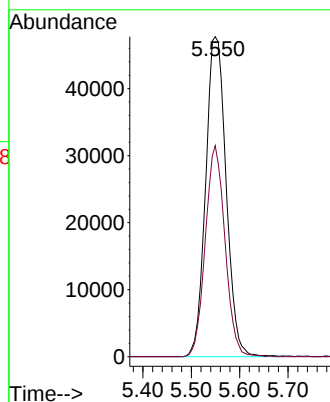
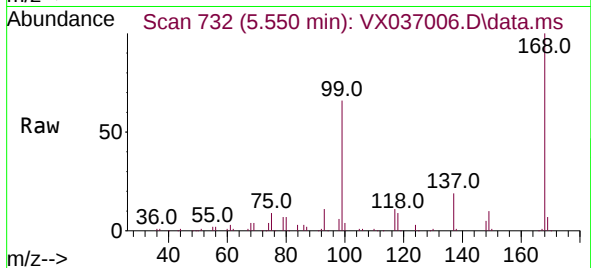




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

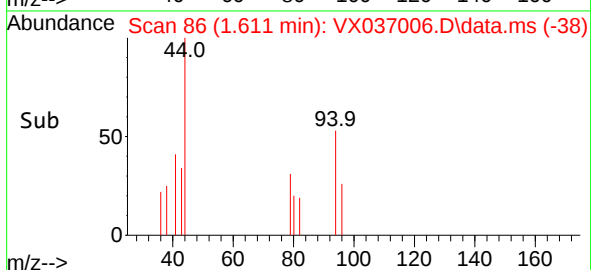
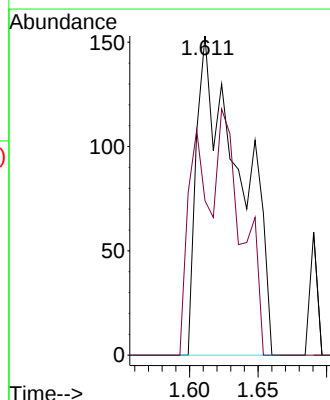
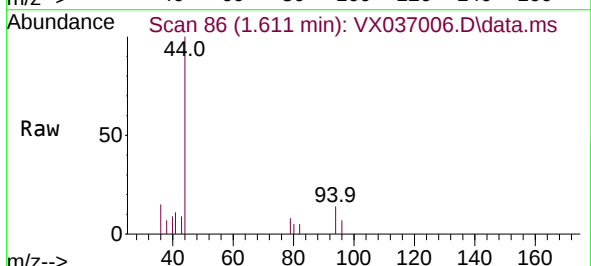
Instrument :
MSVOA_X
ClientSampleId :
VX0816MBL01

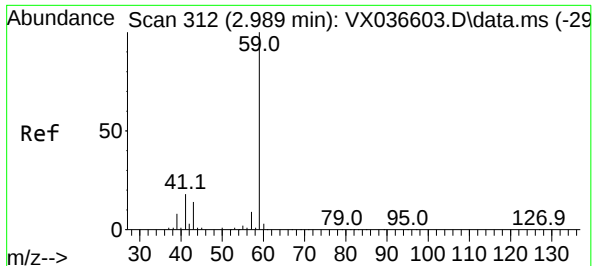
Tgt Ion:168 Resp: 140412
Ion Ratio Lower Upper
168 100
99 65.9 56.6 85.0



#5
Bromomethane
Concen: 0.326 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.006 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

Tgt Ion: 94 Resp: 334
Ion Ratio Lower Upper
94 100
96 48.4 74.6 111.8#





#11

Tert butyl alcohol

Concen: 0.494 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.049 min

Lab File: VX037006.D

Acq: 16 Aug 2023 10:31

Instrument :

MSVOA_X

ClientSampleId :

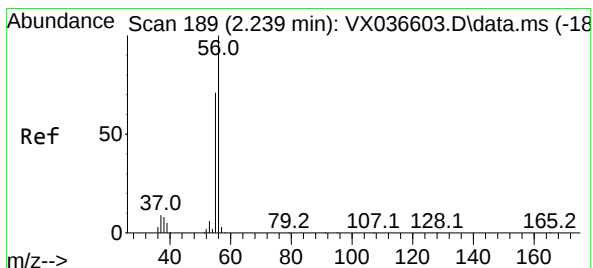
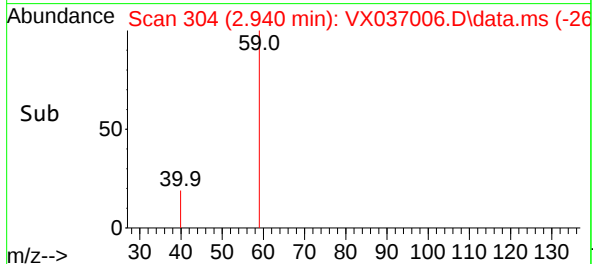
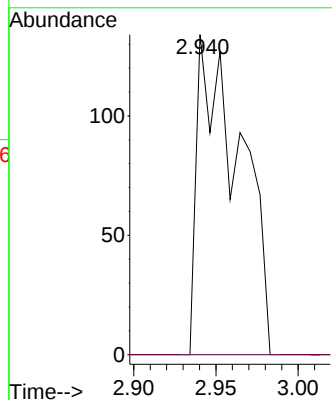
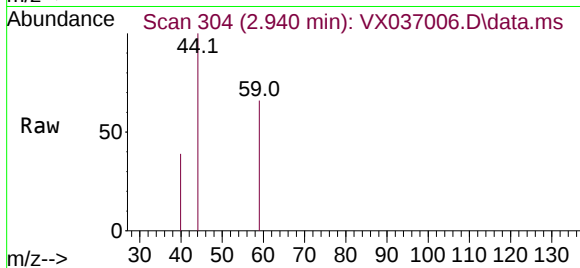
VX0816MBL01

Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#



#13

Acrolein

Concen: 0.894 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX037006.D

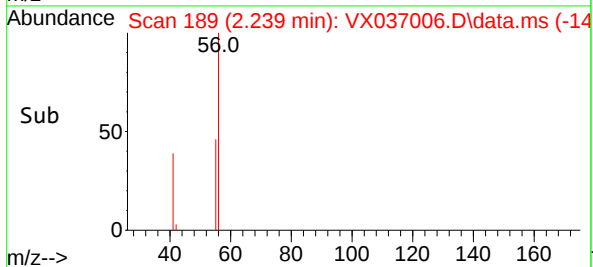
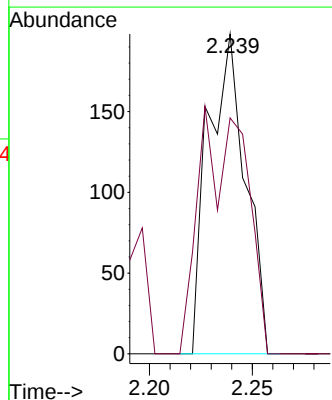
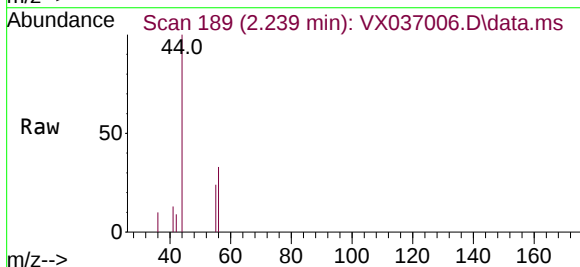
Acq: 16 Aug 2023 10:31

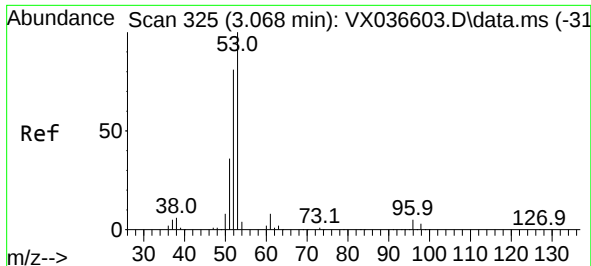
Tgt Ion: 56 Resp: 251

Ion Ratio Lower Upper

56 100

55 96.4 57.1 85.7#

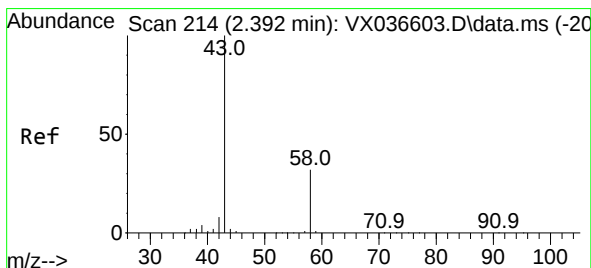
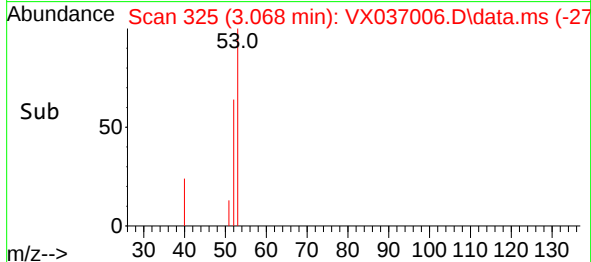
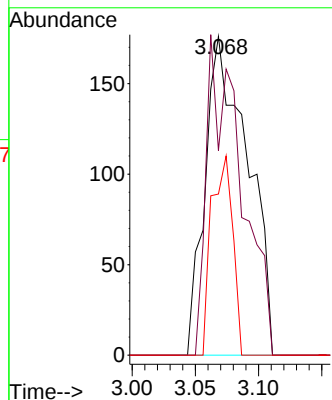
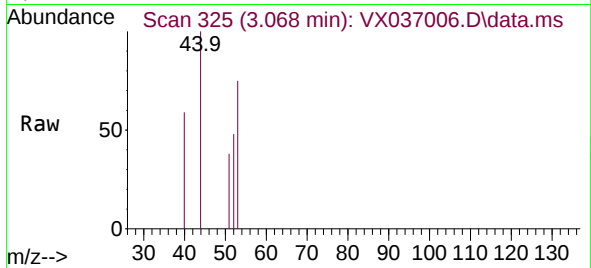




#15
Acrylonitrile
Concen: 0.417 ug/l
RT: 3.068 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

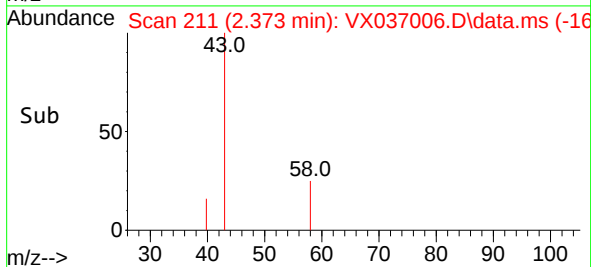
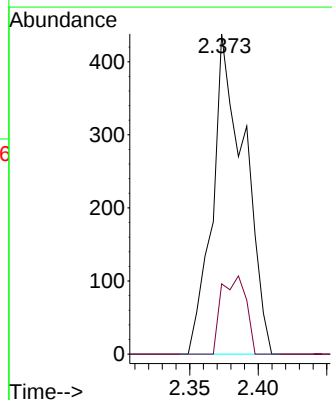
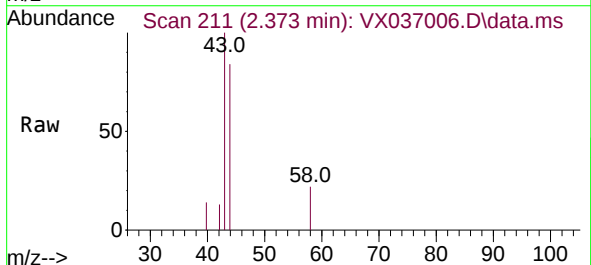
Instrument :
MSVOA_X
ClientSampleId :
VX0816MBL01

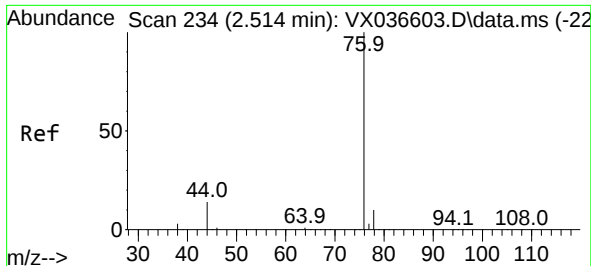
Tgt Ion: 53 Resp: 412
Ion Ratio Lower Upper
53 100
52 81.8 66.0 99.0
51 31.1 29.8 44.6



#16
Acetone
Concen: 0.828 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.018 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

Tgt Ion: 43 Resp: 714
Ion Ratio Lower Upper
43 100
58 21.9 21.9 32.9#





#17

Carbon Disulfide

Concen: 0.421 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX037006.D

Acq: 16 Aug 2023 10:31

Instrument :

MSVOA_X

ClientSampleId :

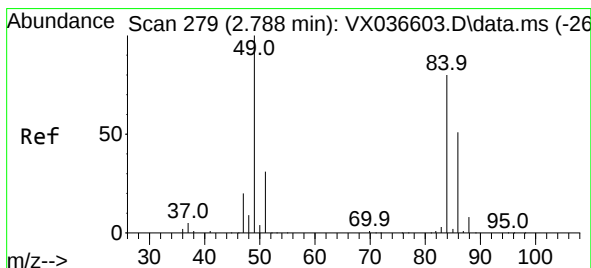
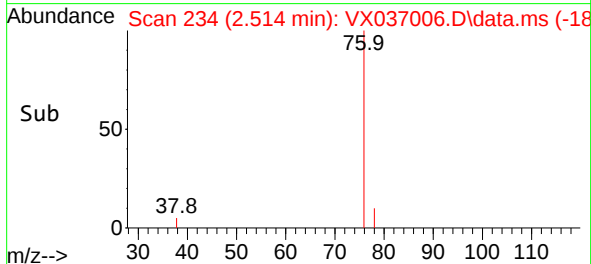
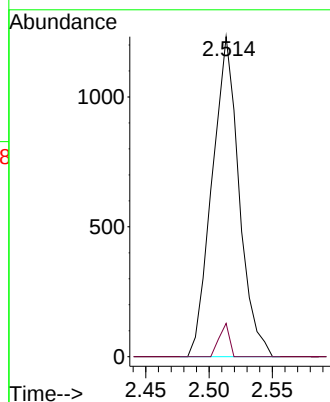
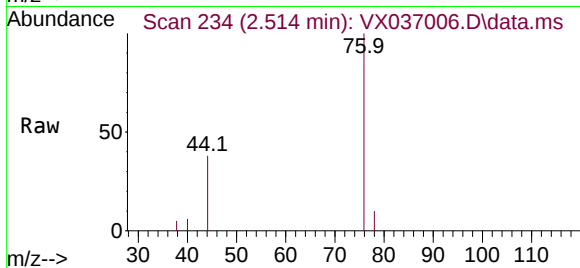
VX0816MBL01

Tgt Ion: 76 Resp: 1828

Ion Ratio Lower Upper

76 100

78 10.4 7.0 10.6



#20

Methylene Chloride

Concen: 0.393 ug/l

RT: 2.800 min Scan# 281

Delta R.T. 0.012 min

Lab File: VX037006.D

Acq: 16 Aug 2023 10:31

Tgt Ion: 84 Resp: 753

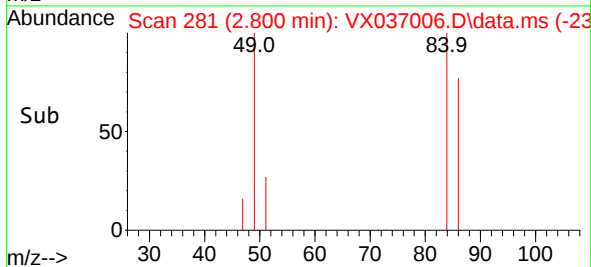
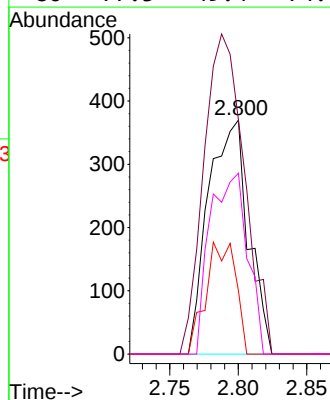
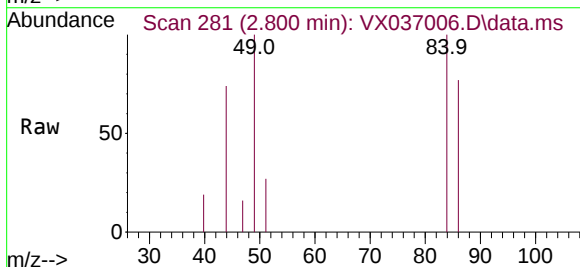
Ion Ratio Lower Upper

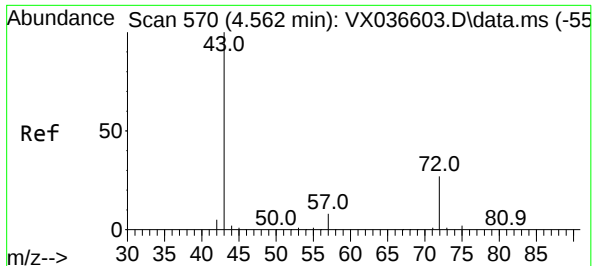
84 100

49 100.0 103.6 155.4#

51 27.0 33.8 50.6#

86 77.3 49.4 74.0#





#25

2-Butanone

Concen: 0.288 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.018 min

Lab File: VX037006.D

Acq: 16 Aug 2023 10:31

Instrument :

MSVOA_X

ClientSampleId :

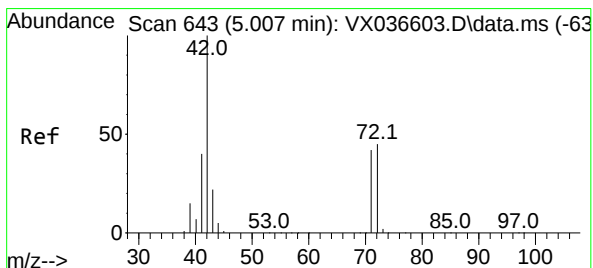
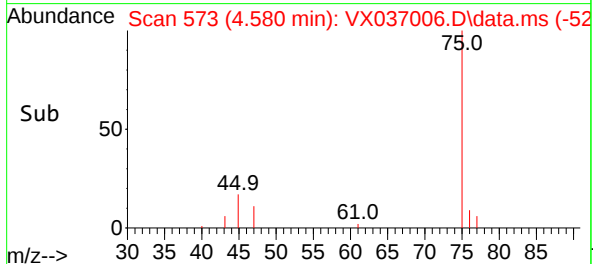
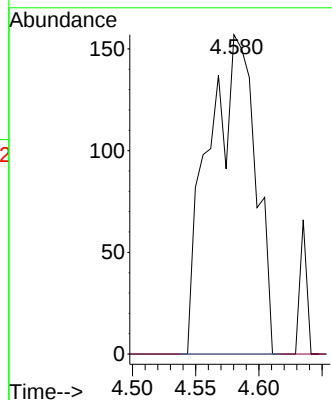
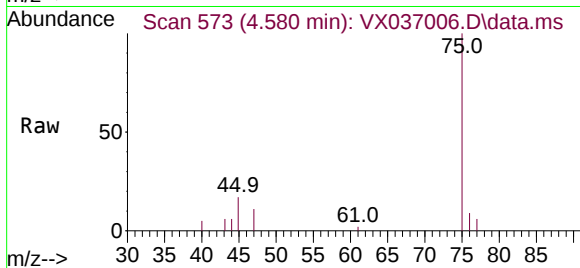
VX0816MBL01

Tgt Ion: 43 Resp: 403

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#29

Tetrahydrofuran

Concen: 0.217 ug/l

RT: 5.037 min Scan# 648

Delta R.T. 0.030 min

Lab File: VX037006.D

Acq: 16 Aug 2023 10:31

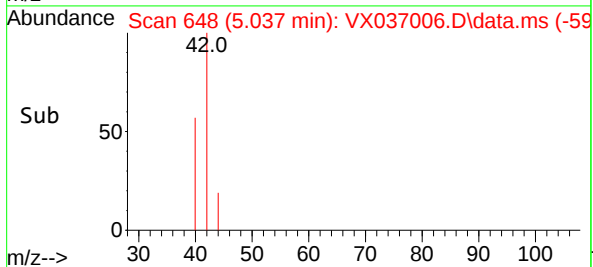
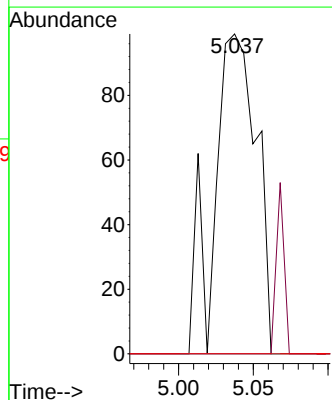
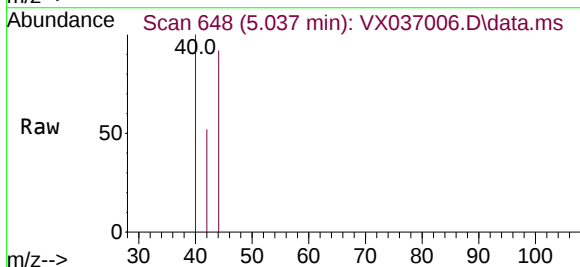
Tgt Ion: 42 Resp: 196

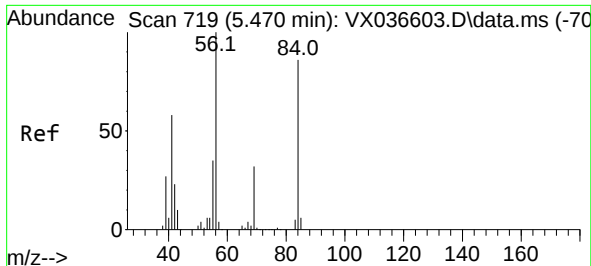
Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

71 0.0 32.2 48.2#

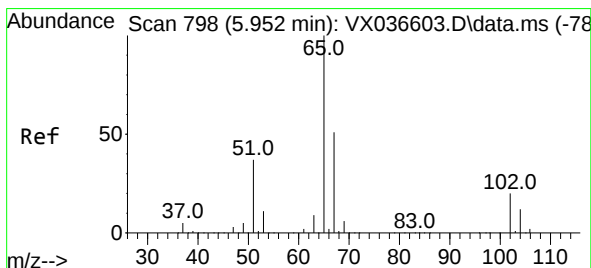
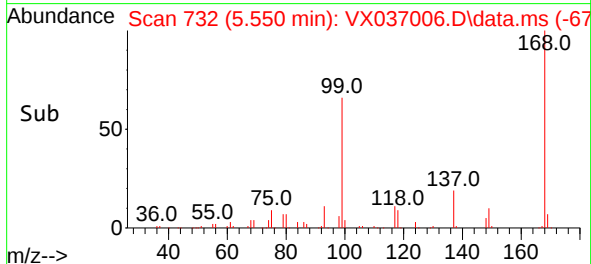
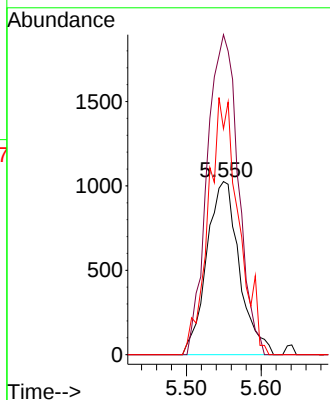
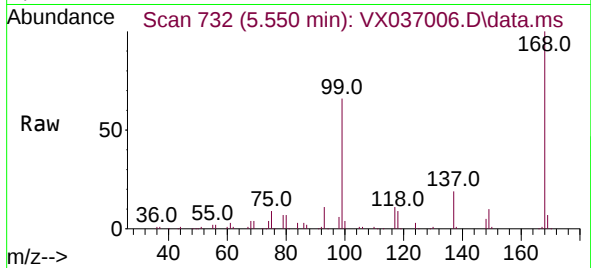




#31
Cyclohexane
Concen: 1.081 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

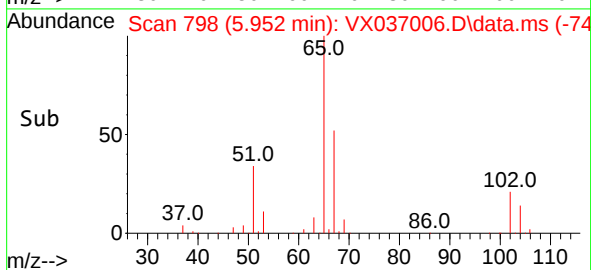
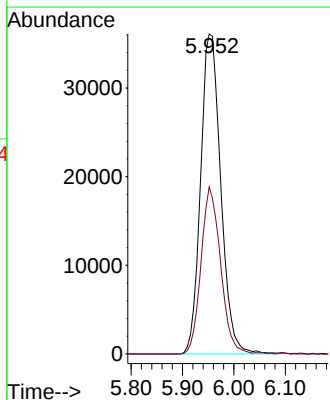
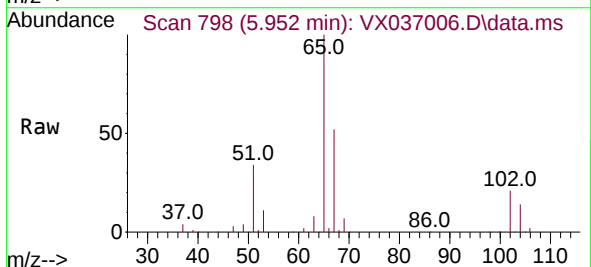
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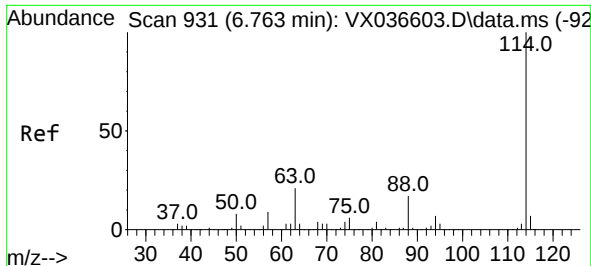
Tgt Ion: 56 Resp: 3110
Ion Ratio Lower Upper
56 100
69 184.8 23.4 35.2#
84 130.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 47.439 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

Tgt Ion: 65 Resp: 98560
Ion Ratio Lower Upper
65 100
67 50.3 0.0 100.2

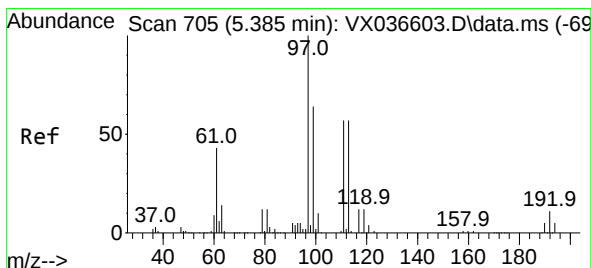
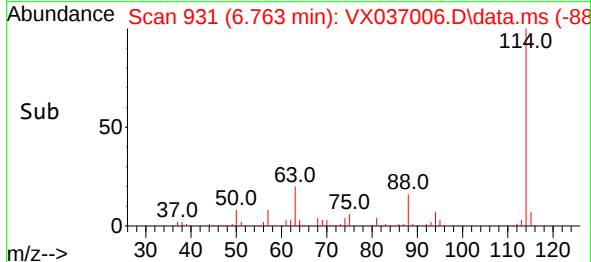
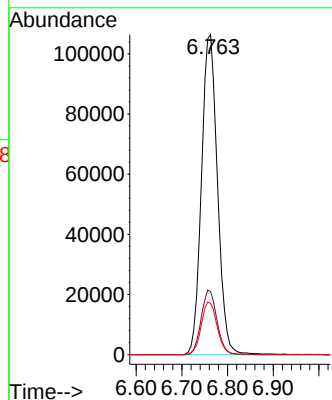
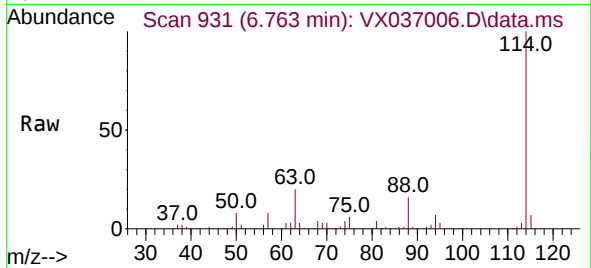




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. -0.000 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

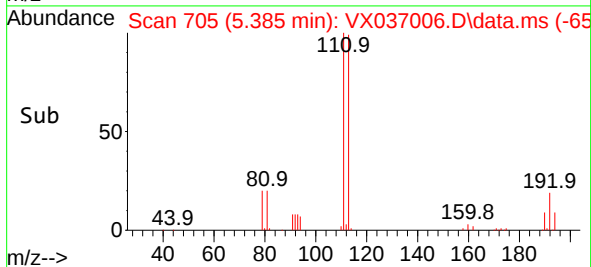
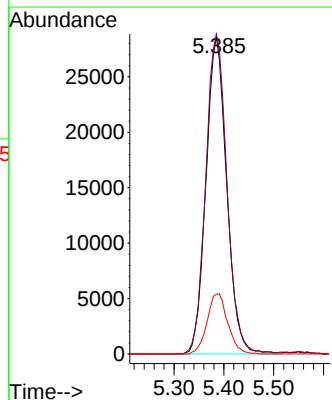
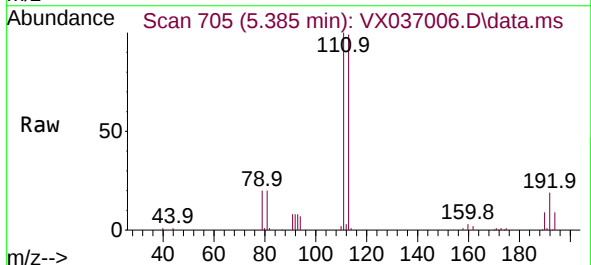
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VX0816MBL01

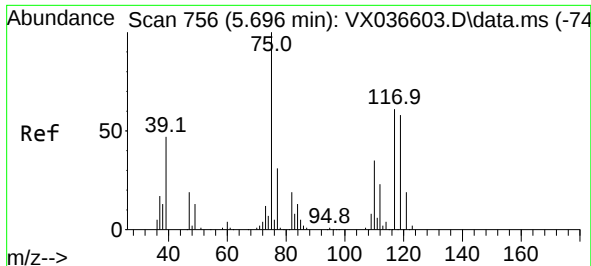
Tgt Ion:114 Resp: 258583
Ion Ratio Lower Upper
114 100
63 19.7 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.467 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

Tgt Ion:113 Resp: 82589
Ion Ratio Lower Upper
113 100
111 103.5 82.9 124.3
192 18.9 13.3 19.9

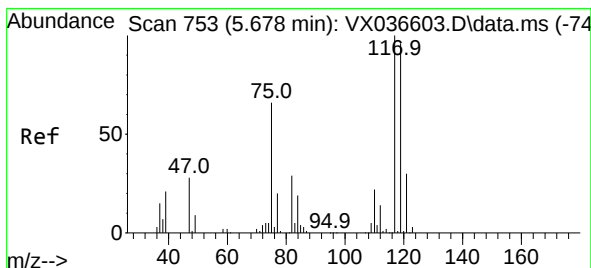
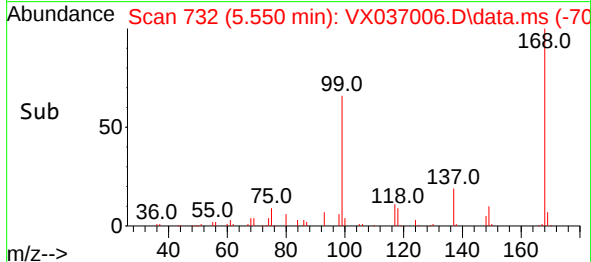
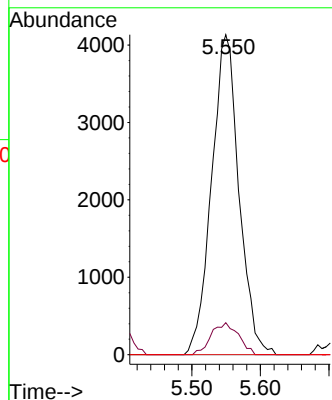
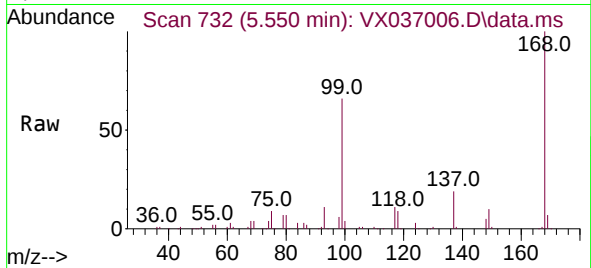




#36
1,1-Dichloropropene
Concen: 4.321 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

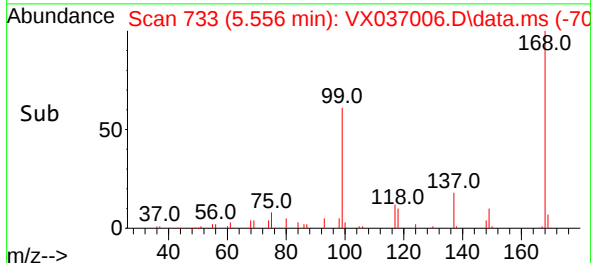
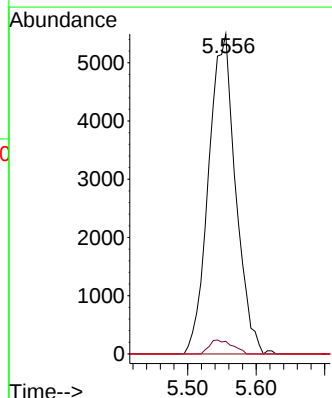
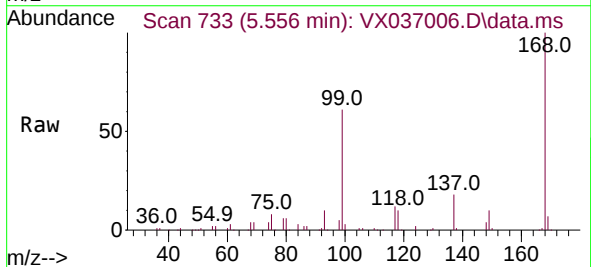
Instrument :
MSVOA_X
ClientSampleId :
VX0816MBL01

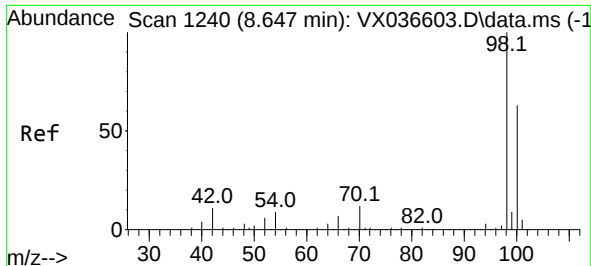
Tgt Ion: 75 Resp: 11446
Ion Ratio Lower Upper
75 100
110 10.0 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.347 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

Tgt Ion: 117 Resp: 15059
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.2#
121 0.0 24.4 36.6#





#50

Toluene-d8

Concen: 48.805 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX037006.D

Acq: 16 Aug 2023 10:31

Instrument :

MSVOA_X

ClientSampleId :

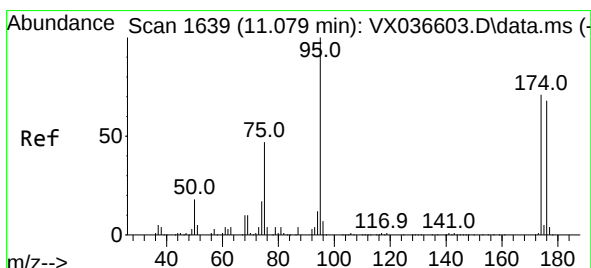
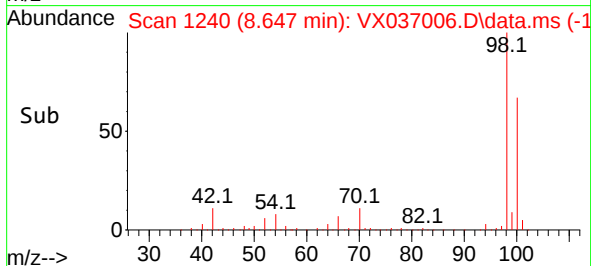
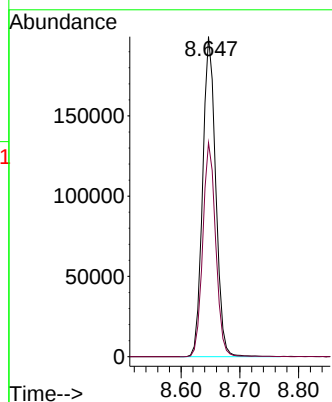
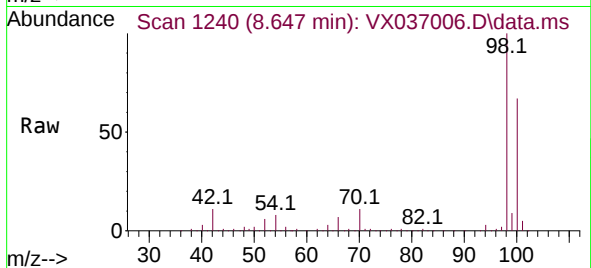
VX0816MBL01

Tgt Ion: 98 Resp: 307615

Ion Ratio Lower Upper

98 100

100 66.3 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 52.523 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX037006.D

Acq: 16 Aug 2023 10:31

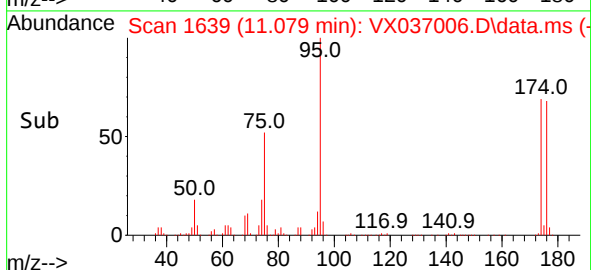
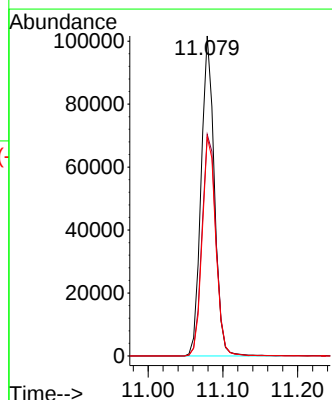
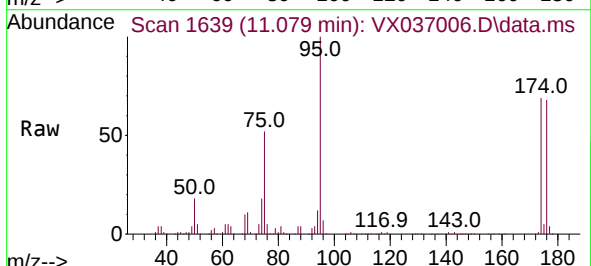
Tgt Ion: 95 Resp: 124899

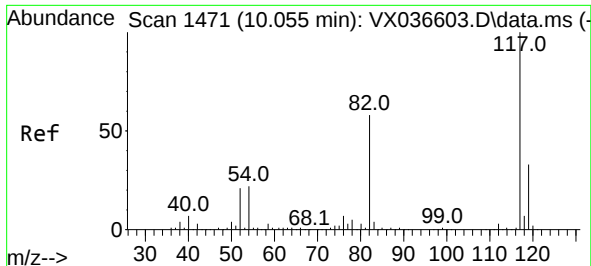
Ion Ratio Lower Upper

95 100

174 73.4 0.0 135.6

176 70.6 0.0 131.0

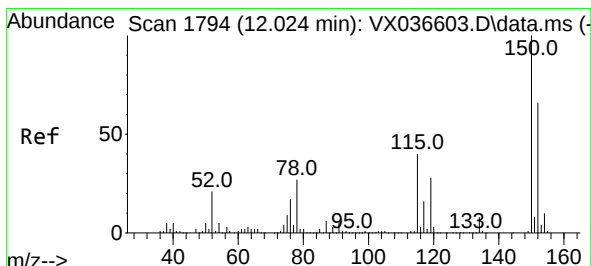
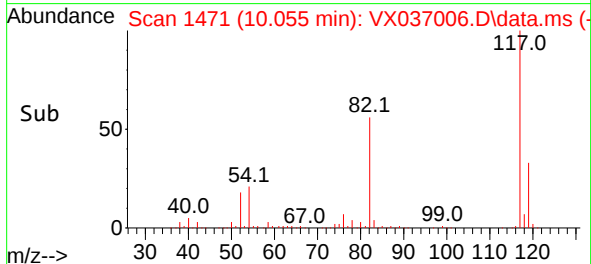
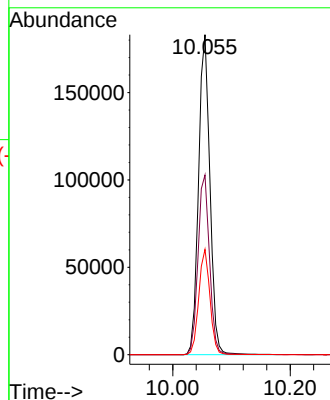
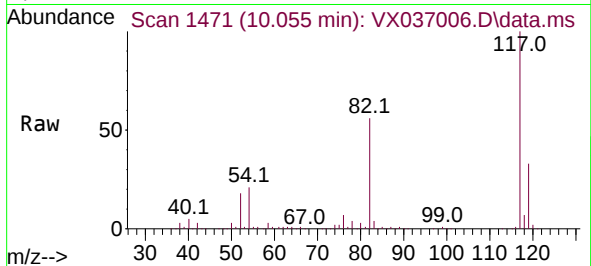




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

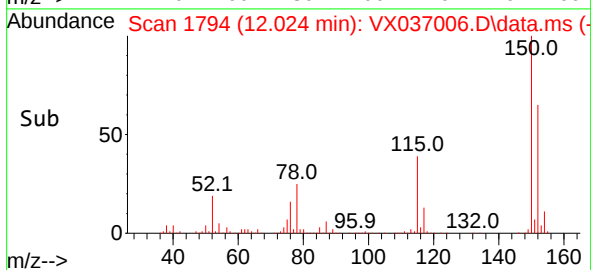
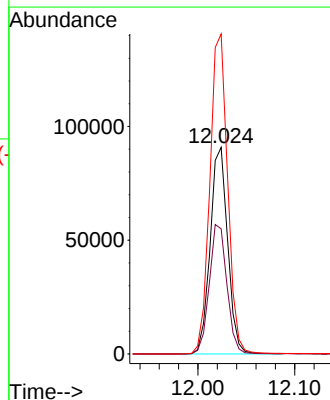
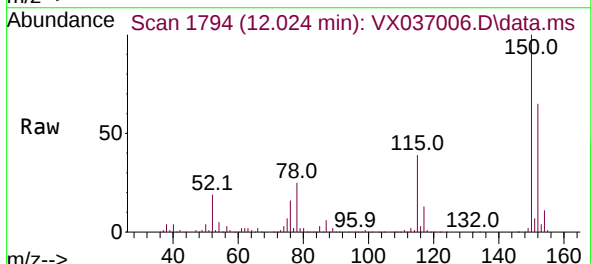
Instrument :
MSVOA_X
ClientSampleId :
VX0816MBL01

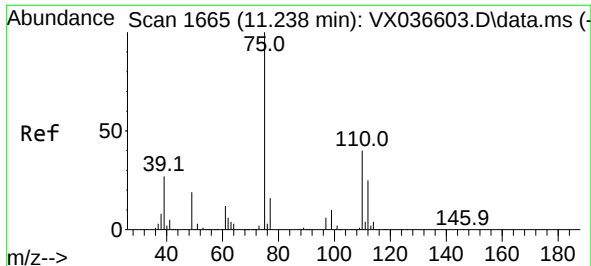
Tgt Ion:117 Resp: 245744
Ion Ratio Lower Upper
117 100
82 56.2 46.2 69.4
119 32.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

Tgt Ion:152 Resp: 114486
Ion Ratio Lower Upper
152 100
115 63.0 43.3 129.9
150 157.4 0.0 345.0

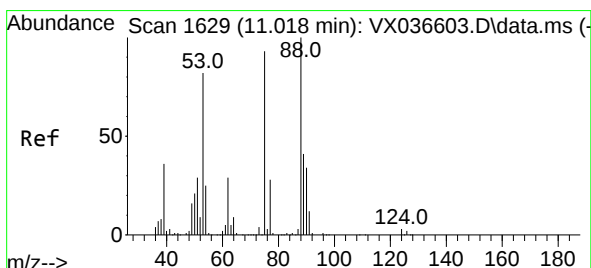
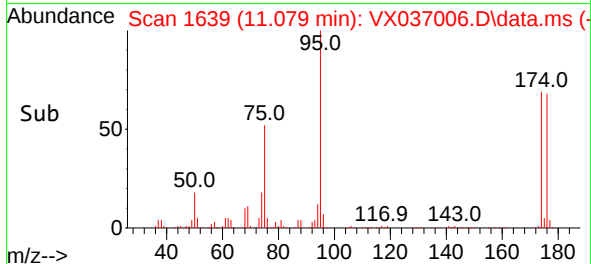
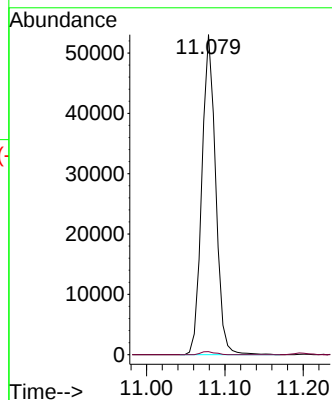
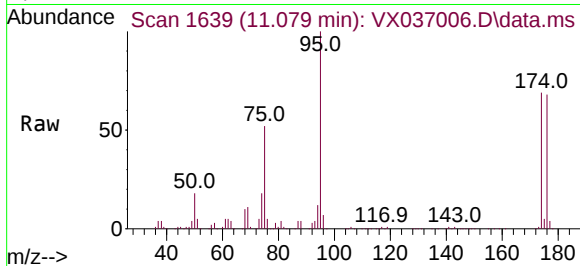




#76
1,2,3-Trichloropropane
Concen: 24.156 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

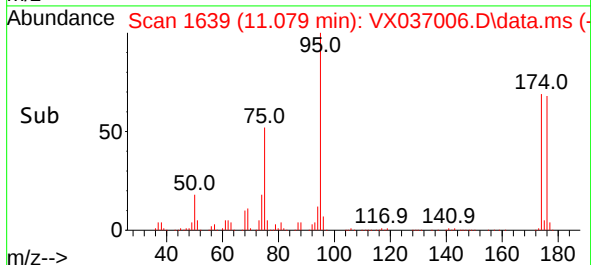
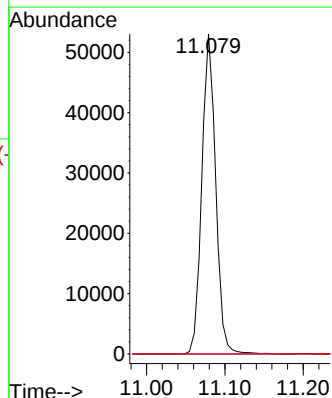
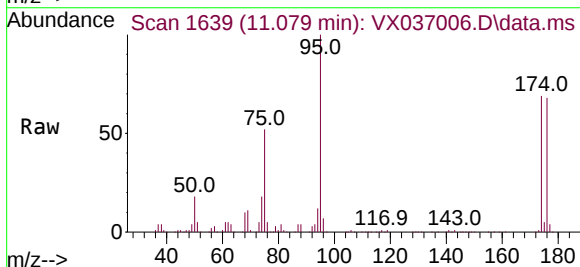
Instrument :
MSVOA_X
ClientSampleId :
VX0816MBL01

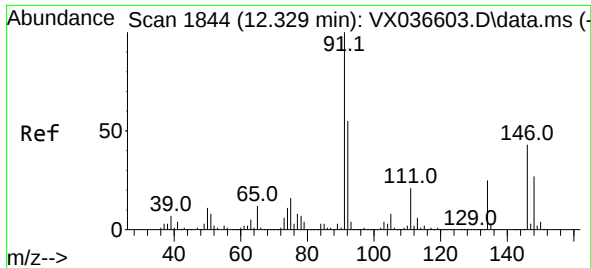
Tgt Ion: 75 Resp: 65049
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.752 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

Tgt Ion: 75 Resp: 65049
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

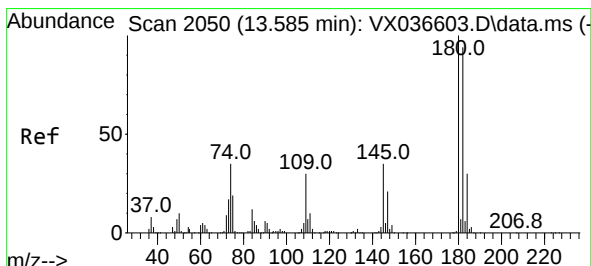
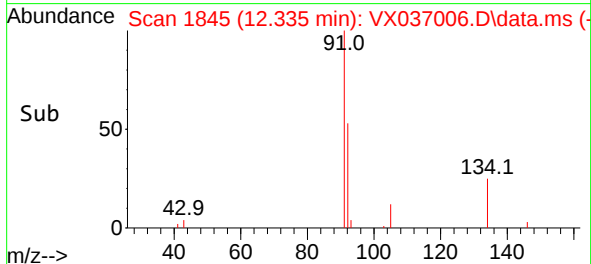
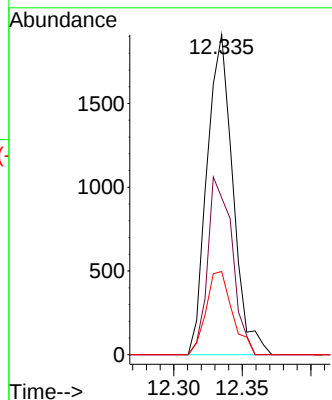
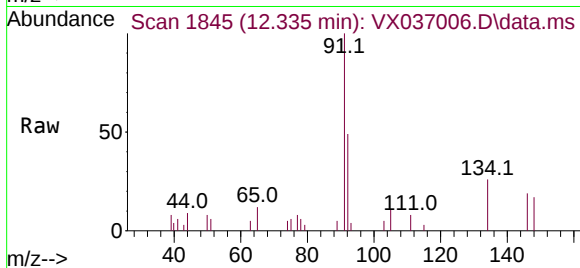




#89
n-Butylbenzene
Concen: 0.351 ug/l
RT: 12.335 min Scan# 1844
Delta R.T. 0.006 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

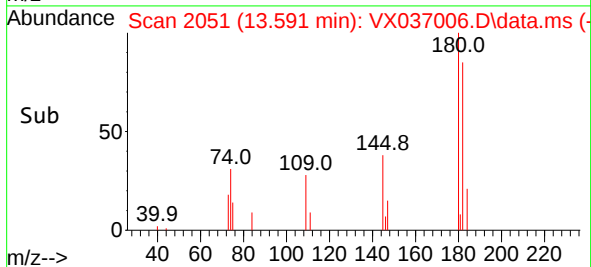
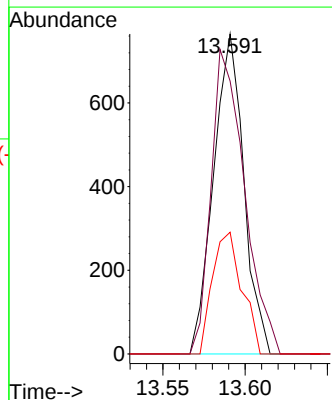
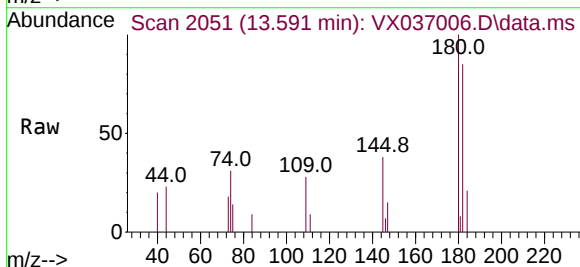
Instrument :
MSVOA_X
ClientSampleId :
VX0816MBL01

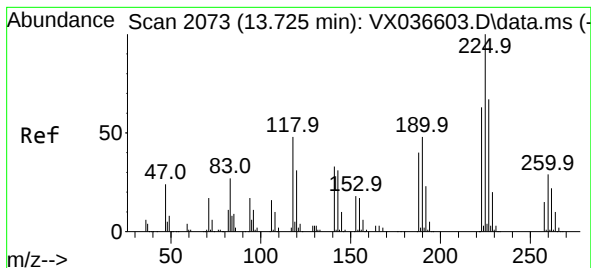
Tgt Ion: 91 Resp: 2509
Ion Ratio Lower Upper
91 100
92 52.4 27.4 82.0
134 26.5 12.6 37.8



#93
1,2,4-Trichlorobenzene
Concen: 0.412 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX037006.D
Acq: 16 Aug 2023 10:31

Tgt Ion: 180 Resp: 978
Ion Ratio Lower Upper
180 100
182 104.9 48.3 144.8
145 37.0 18.0 54.0





#94

Hexachlorobutadiene

Concen: 1.922 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX037006.D

Acq: 16 Aug 2023 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX0816MBL01

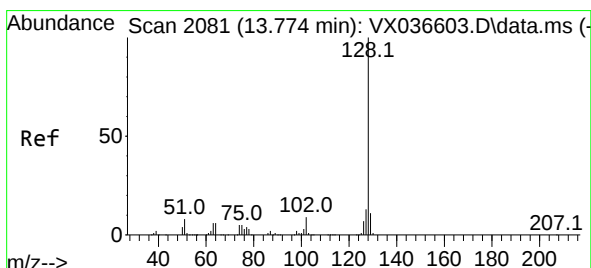
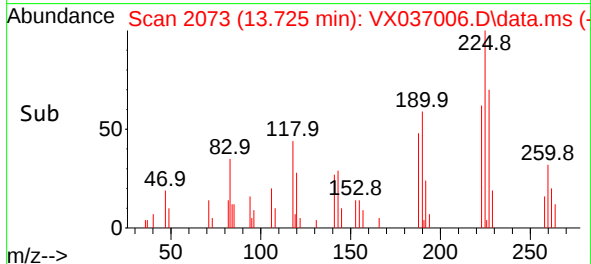
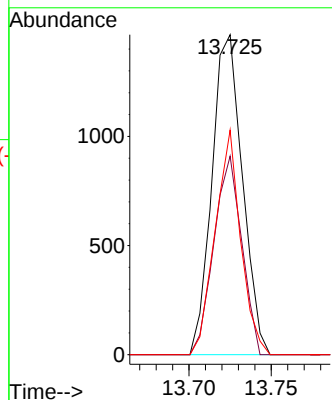
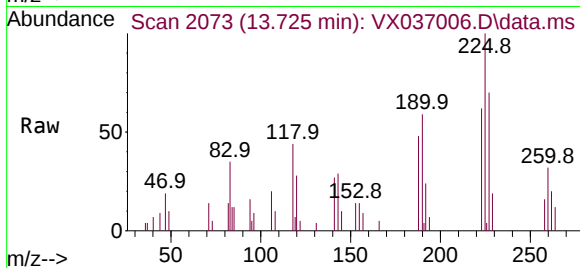
Tgt Ion:225 Resp: 1889

Ion Ratio Lower Upper

225 100

223 56.5 31.1 93.2

227 58.9 32.5 97.5



#95

Naphthalene

Concen: 0.744 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX037006.D

Acq: 16 Aug 2023 10:31

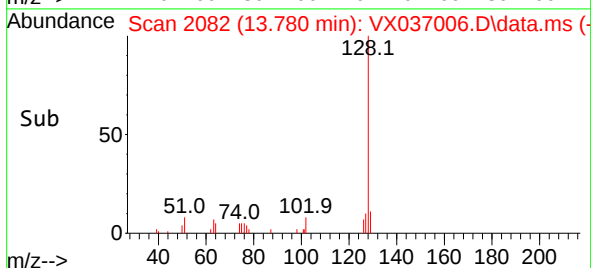
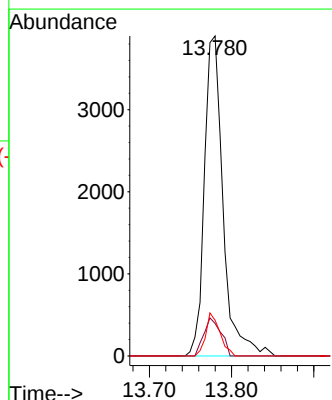
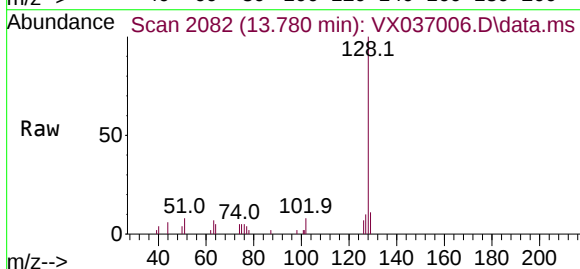
Tgt Ion:128 Resp: 6157

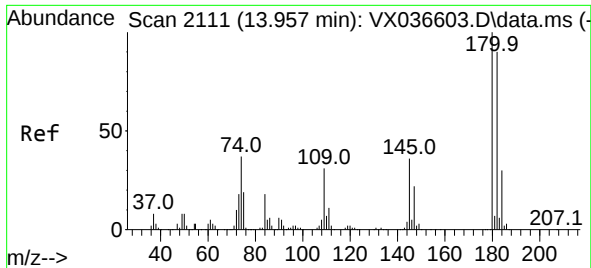
Ion Ratio Lower Upper

128 100

127 10.9 10.3 15.5

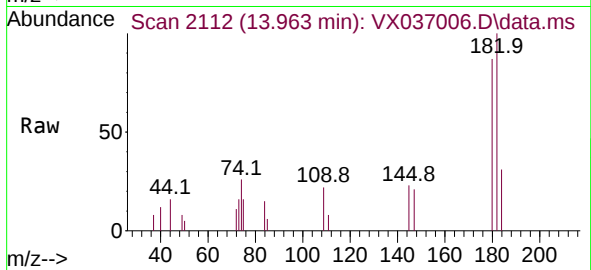
129 10.2 8.8 13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.486 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX037006.D
 Acq: 16 Aug 2023 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0816MBL01



Tgt Ion:	180	Resp:	1139
Ion	Ratio	Lower	Upper
180	100		
182	105.4	46.9	140.6
145	32.0	17.8	53.5

