

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091622\
 Data File : VX031417.D
 Acq On : 16 Sep 2022 17:59
 Operator : JC/MD
 Sample : N4526-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MID-0907

Quant Time: Sep 17 02:06:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091422W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 01:50:07 2022
 Response via : Initial Calibration

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

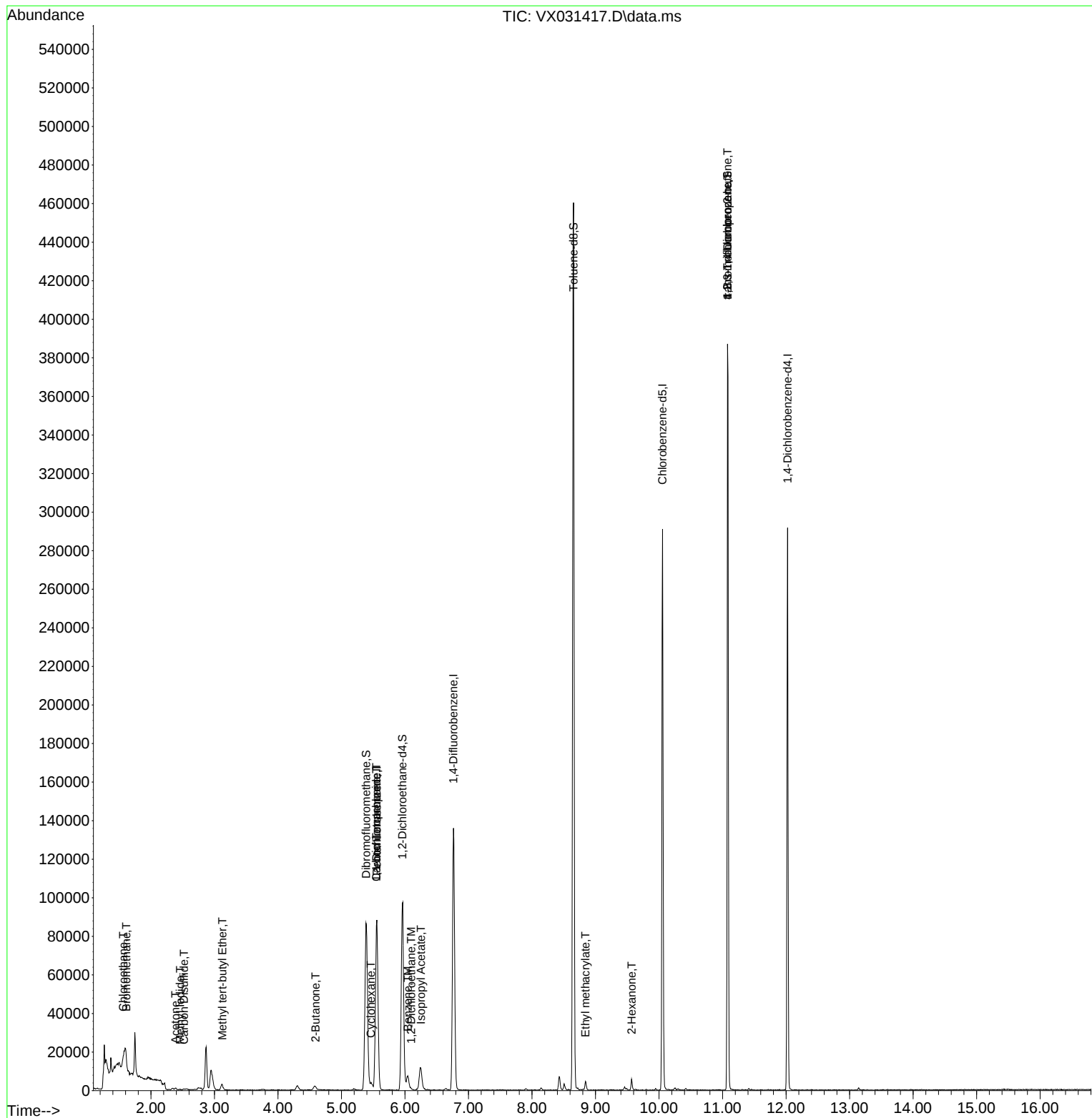
Internal Standards						
1) Pentafluorobenzene	5.556	168	83145	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	136516	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	122816	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	53826	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	85888	42.085	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	84.160%
35) Dibromofluoromethane	5.385	113	71530	48.744	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.480%
50) Toluene-d8	8.653	98	272499	49.504	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.000%
62) 4-Bromofluorobenzene	11.079	95	89177	44.240	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.480%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	811	Below Cal	#	77
5) Bromomethane	1.611	94	655	0.601	ug/l	88
6) Chloroethane	1.563	64	18401	15.975	ug/l #	53
10) Methyl Iodide	2.459	142	377	1.184	ug/l #	47
11) Tert butyl alcohol	2.947	59	9580	Below Cal	#	73
16) Acetone	2.386	43	1214	1.393	ug/l	96
17) Carbon Disulfide	2.520	76	943	1.213	ug/l #	75
19) Methyl tert-butyl Ether	3.123	73	3142	0.584	ug/l	99
20) Methylene Chloride	2.794	84	125	Below Cal	#	51
25) 2-Butanone	4.593	43	389	0.271	ug/l #	49
31) Cyclohexane	5.464	56	2395	1.092	ug/l	97
36) 1,1-Dichloropropene	5.550	75	6458	3.215	ug/l #	50
38) Carbon Tetrachloride	5.550	117	8324	3.813	ug/l #	16
40) Benzene	6.044	78	8390	1.455	ug/l	94
42) 1,2-Dichloroethane	6.098	62	822	0.353	ug/l	82
43) Isopropyl Acetate	6.251	43	3633	0.806	ug/l #	62
56) Ethyl methacrylate	8.842	69	532	0.204	ug/l #	75
59) 2-Hexanone	9.567	43	1055	0.505	ug/l	85
76) 1,2,3-Trichloropropane	11.079	75	50677	37.361	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	50677	103.378	ug/l #	11

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

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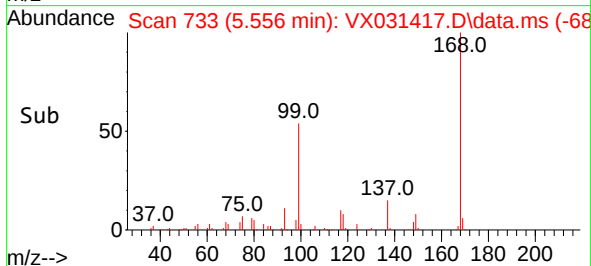
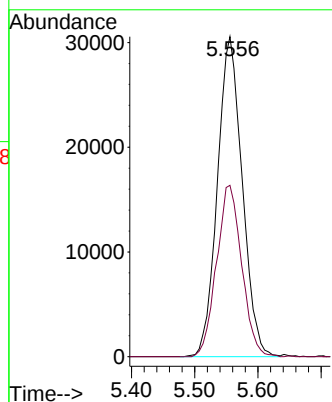
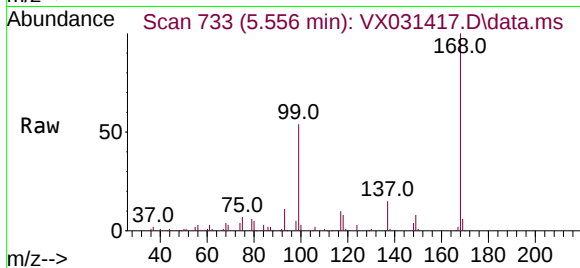




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

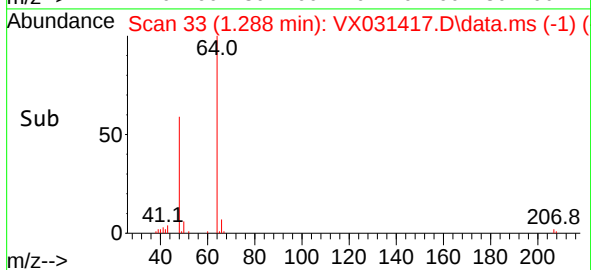
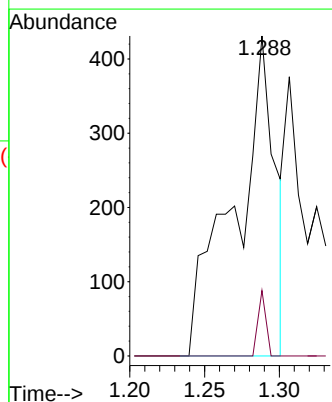
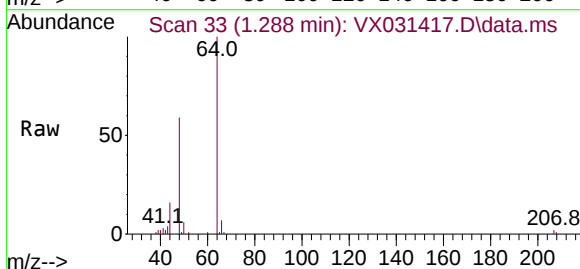
Instrument :
MSVOA_X
ClientSampleId :
MID-0907

Tgt Ion:168 Resp: 83145
Ion Ratio Lower Upper
168 100
99 53.5 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Tgt Ion: 50 Resp: 811
Ion Ratio Lower Upper
50 100
52 20.4 26.9 40.3#

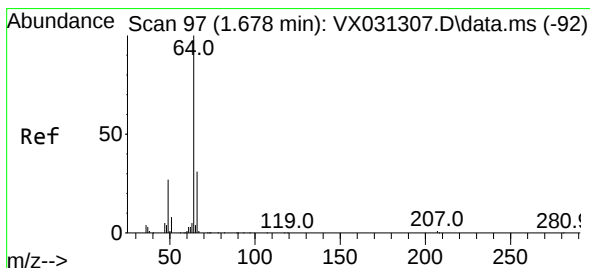
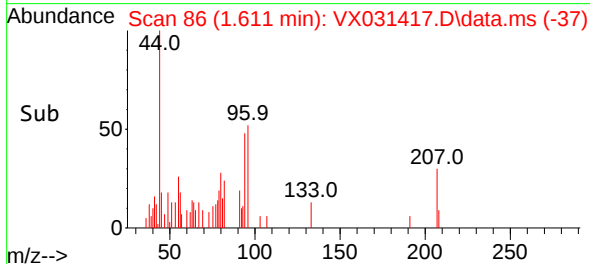
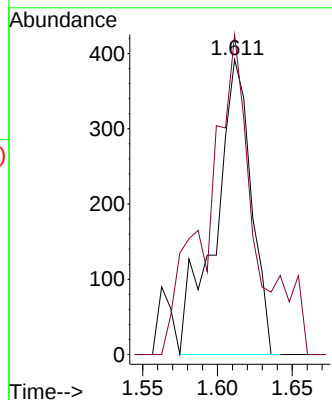
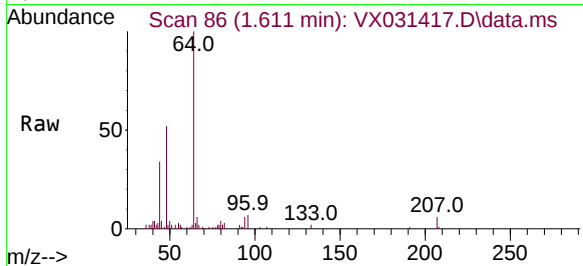




#5
Bromomethane
Concen: 0.601 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

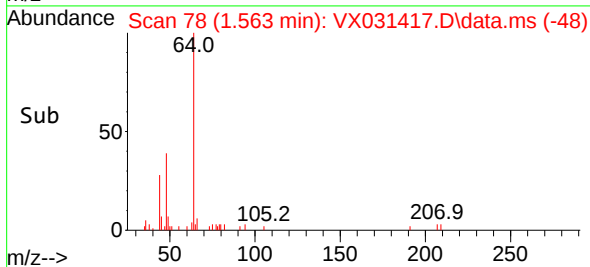
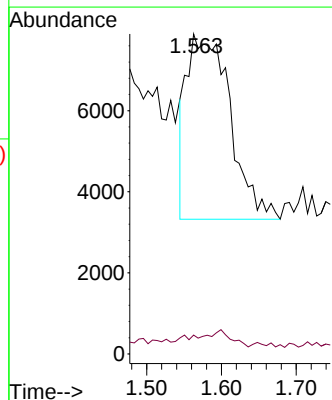
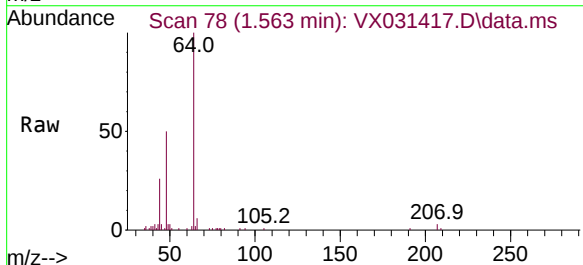
Instrument :
MSVOA_X
ClientSampleId :
MID-0907

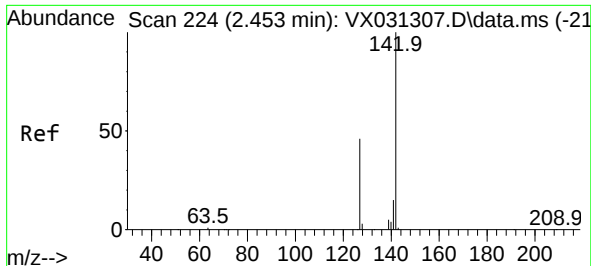
Tgt Ion: 94 Resp: 655
Ion Ratio Lower Upper
94 100
96 81.6 74.4 111.6



#6
Chloroethane
Concen: 15.975 ug/l
RT: 1.563 min Scan# 78
Delta R.T. -0.115 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Tgt Ion: 64 Resp: 18401
Ion Ratio Lower Upper
64 100
66 5.2 25.0 37.4#





#10

Methyl Iodide

Concen: 1.184 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX031417.D

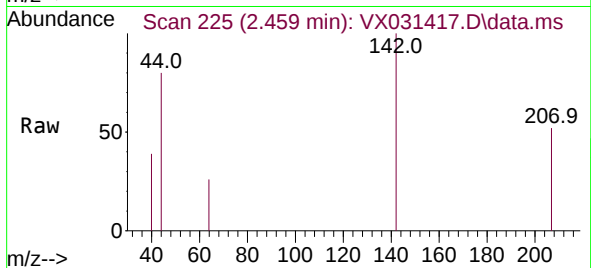
Acq: 16 Sep 2022 17:59

Instrument :

MSVOA_X

ClientSampleId :

MID-0907



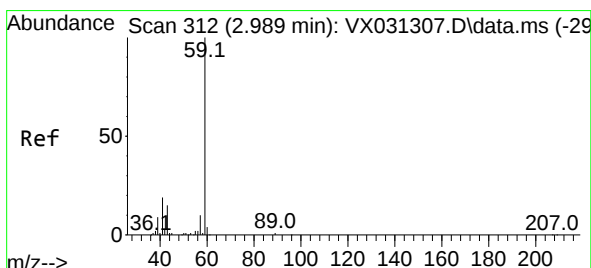
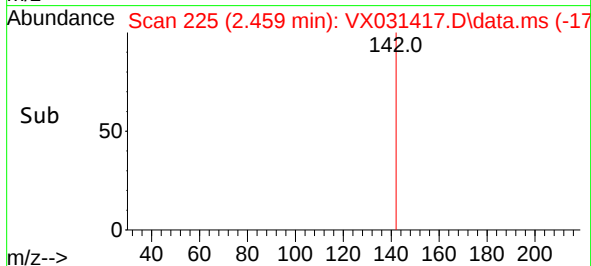
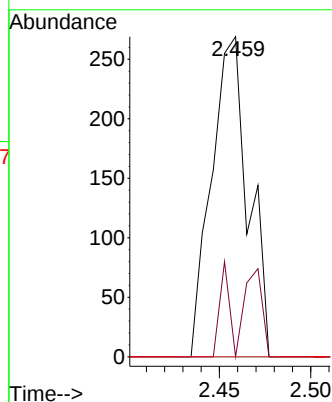
Tgt Ion:142 Resp: 377

Ion Ratio Lower Upper

142 100

127 7.7 37.4 56.0#

141 0.0 11.6 17.4#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.042 min

Lab File: VX031417.D

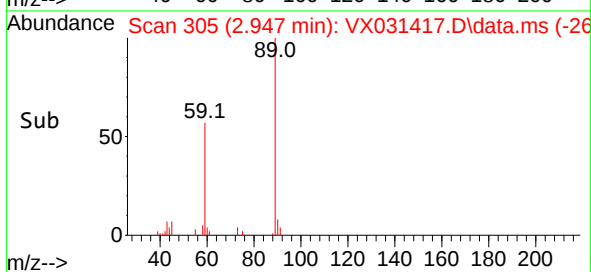
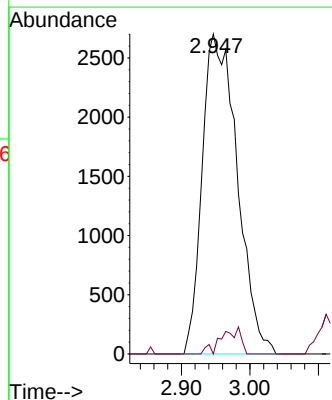
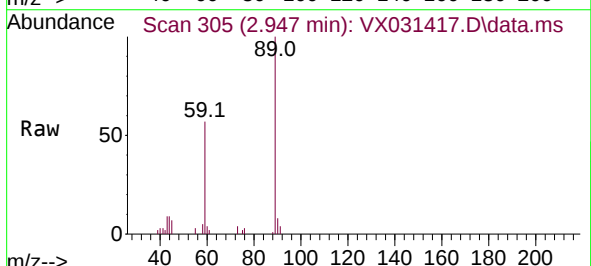
Acq: 16 Sep 2022 17:59

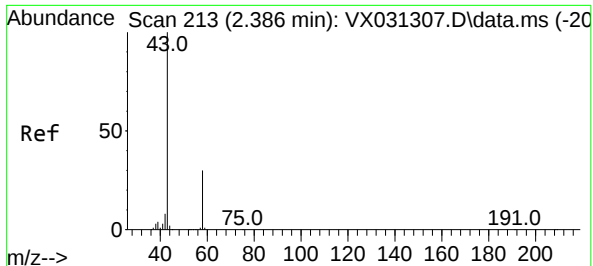
Tgt Ion: 59 Resp: 9580

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#

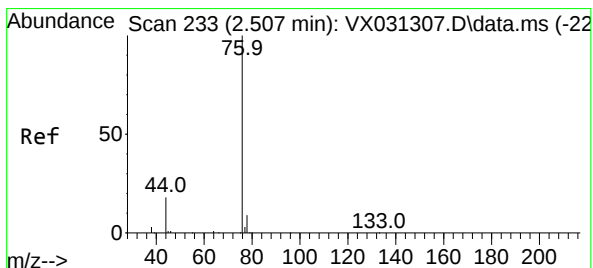
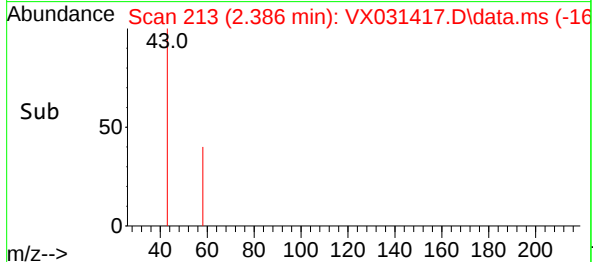
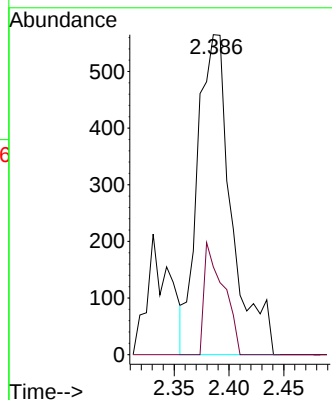
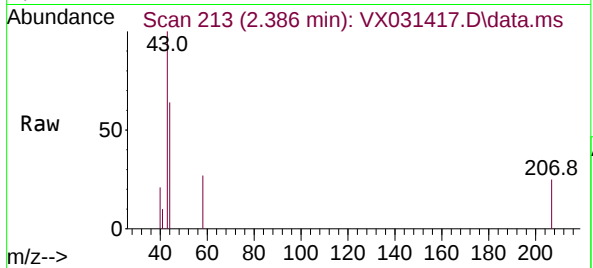




#16
Acetone
Concen: 1.393 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

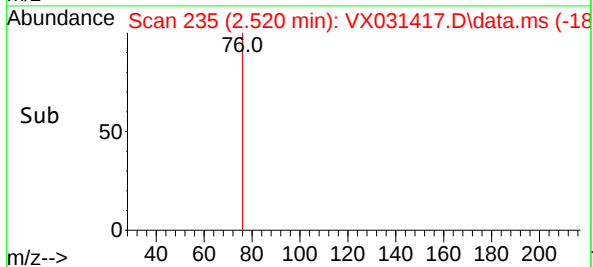
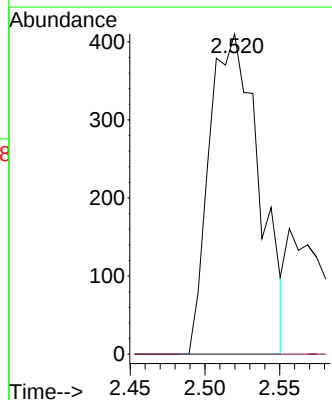
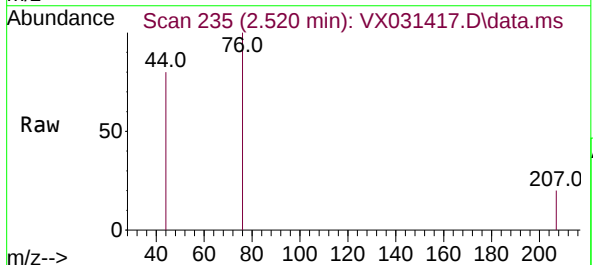
Instrument :
MSVOA_X
ClientSampleId :
MID-0907

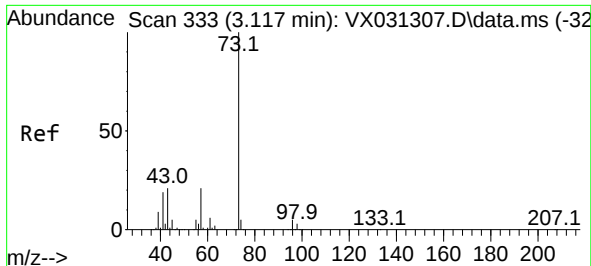
Tgt Ion: 43 Resp: 1214
Ion Ratio Lower Upper
43 100
58 27.4 23.8 35.8



#17
Carbon Disulfide
Concen: 1.213 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.013 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Tgt Ion: 76 Resp: 943
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

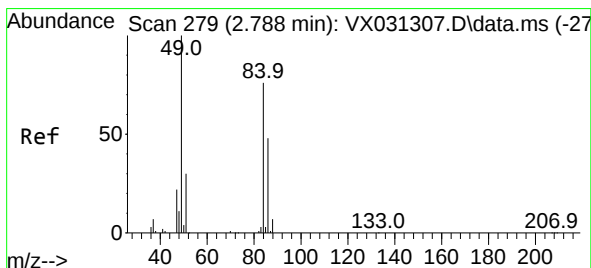
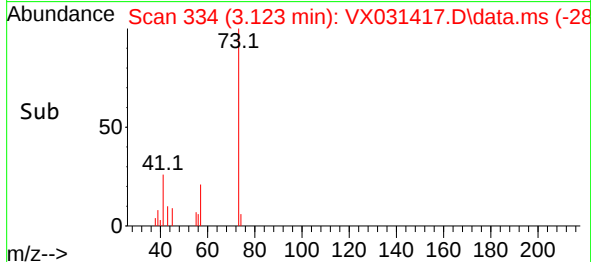
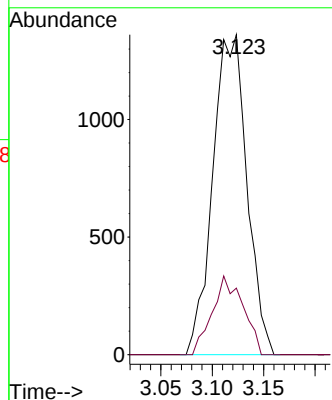
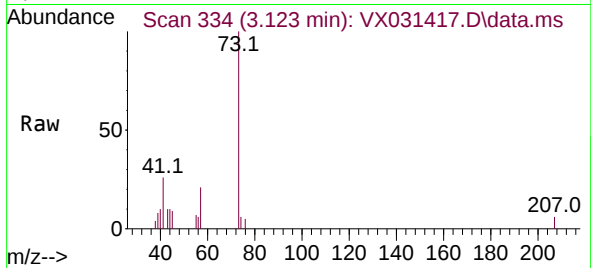




#19
Methyl tert-butyl Ether
Concen: 0.584 ug/l
RT: 3.123 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

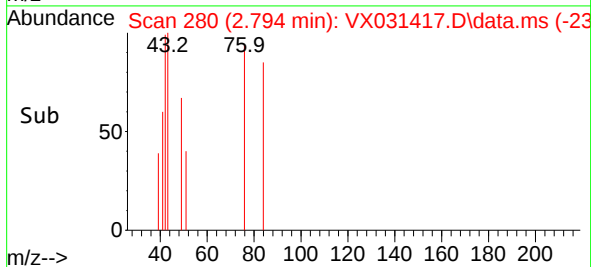
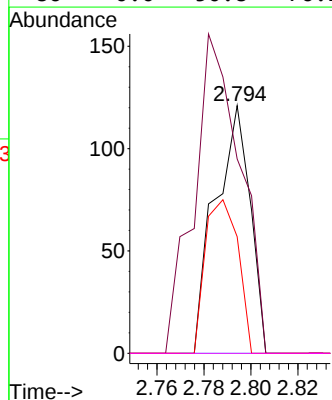
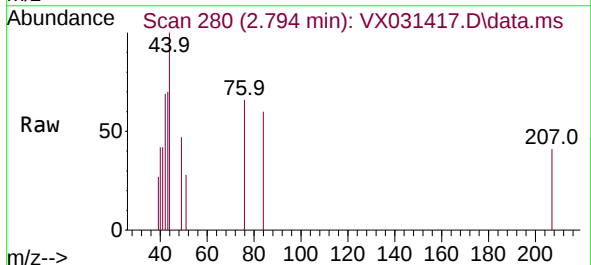
Instrument :
MSVOA_X
ClientSampleId :
MID-0907

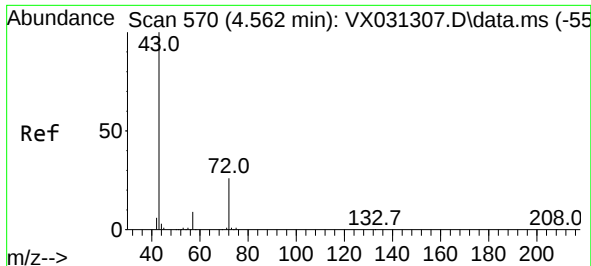
Tgt Ion: 73 Resp: 3142
Ion Ratio Lower Upper
73 100
57 20.8 17.2 25.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Tgt Ion: 84 Resp: 125
Ion Ratio Lower Upper
84 100
49 78.5 105.9 158.9#
51 47.1 32.2 48.2
86 0.0 50.8 76.2#

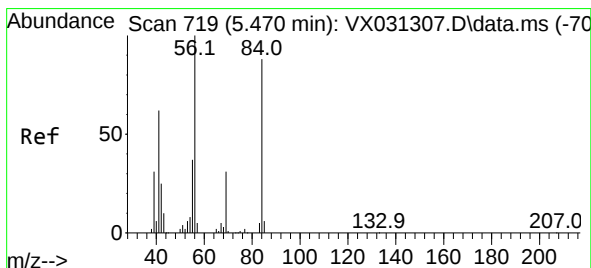
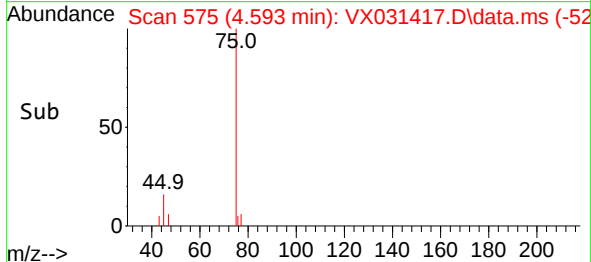
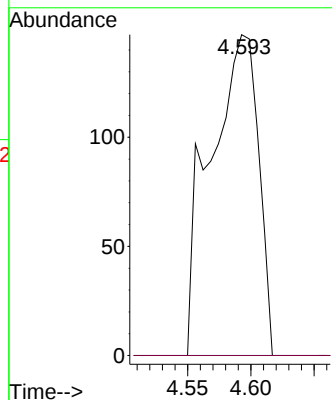
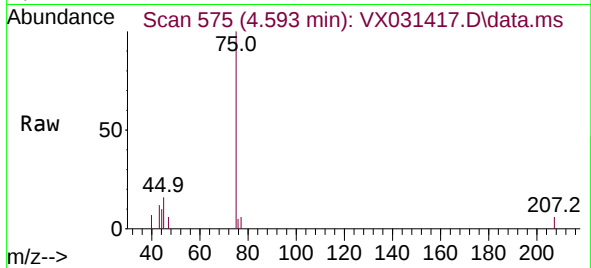




#25
2-Butanone
Concen: 0.271 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.031 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

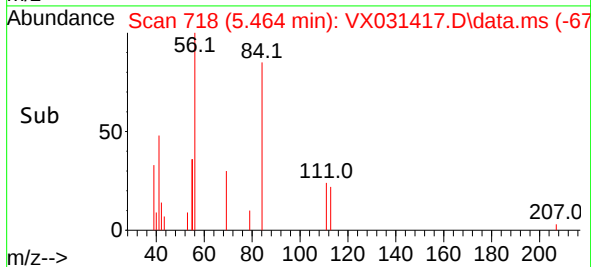
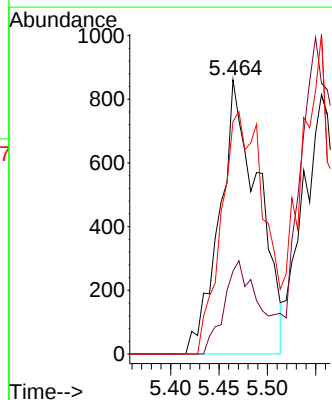
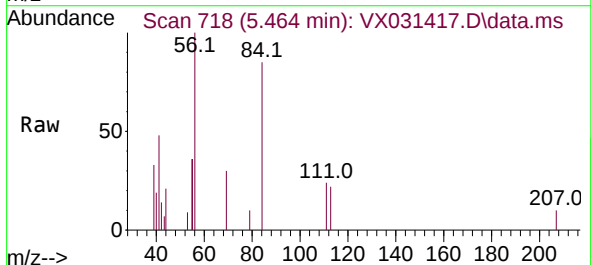
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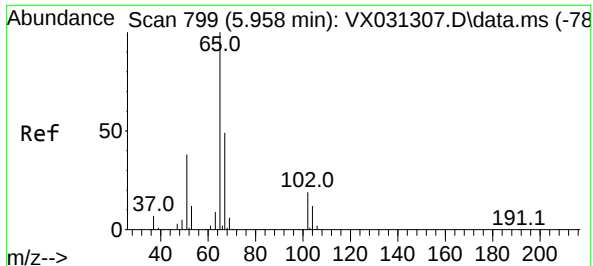
Tgt Ion: 43 Resp: 389
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#



#31
Cyclohexane
Concen: 1.092 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.006 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Tgt Ion: 56 Resp: 2395
Ion Ratio Lower Upper
56 100
69 30.2 25.1 37.7
84 84.8 70.2 105.4

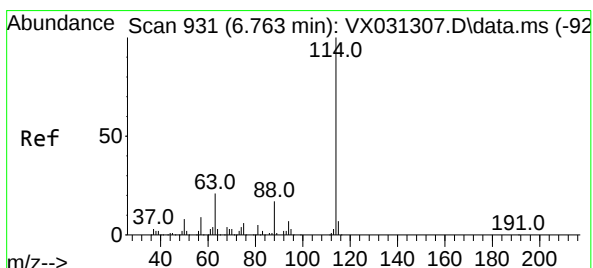
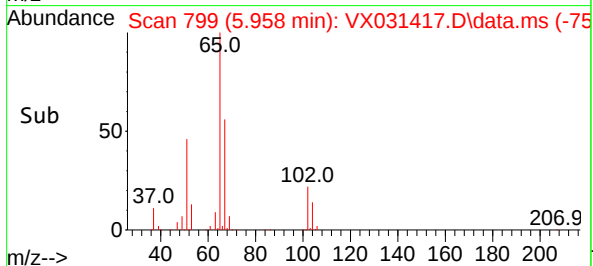
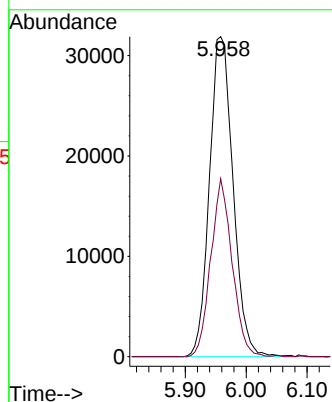
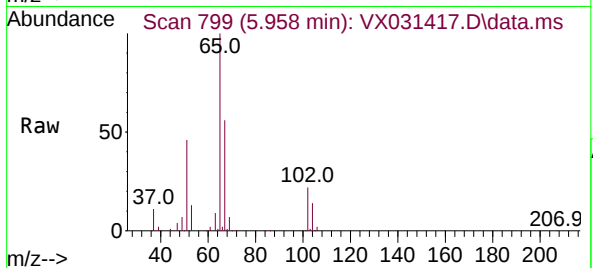




#33
1,2-Dichloroethane-d4
Concen: 42.085 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

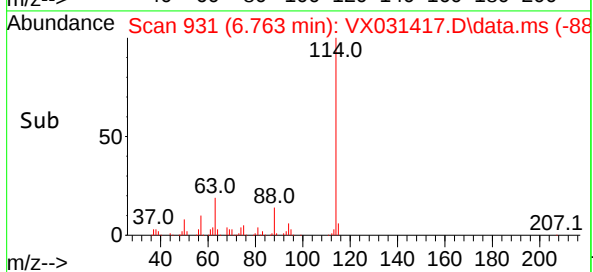
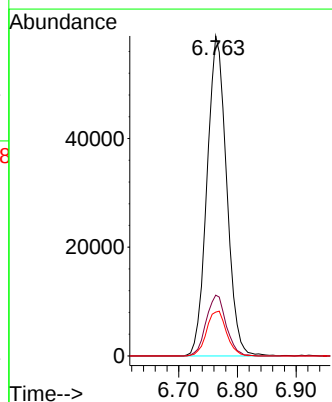
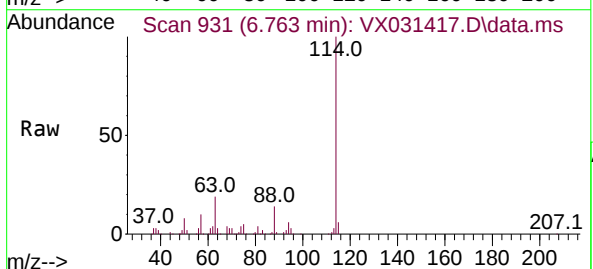
Instrument :
MSVOA_X
ClientSampleId :
MID-0907

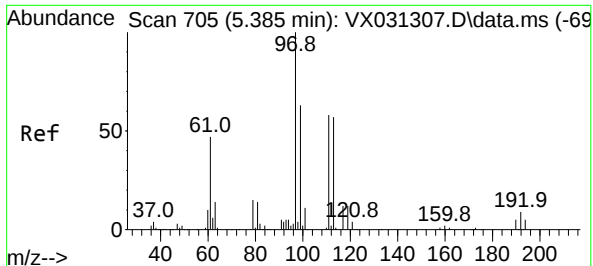
Tgt Ion: 65 Resp: 85888
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Tgt Ion: 114 Resp: 136516
Ion Ratio Lower Upper
114 100
63 19.0 0.0 42.6
88 13.7 0.0 33.0





#35

Dibromofluoromethane

Concen: 48.744 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX031417.D

Acq: 16 Sep 2022 17:59

Instrument :

MSVOA_X

ClientSampleId :

MID-0907

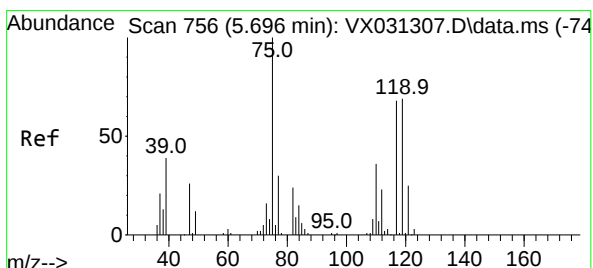
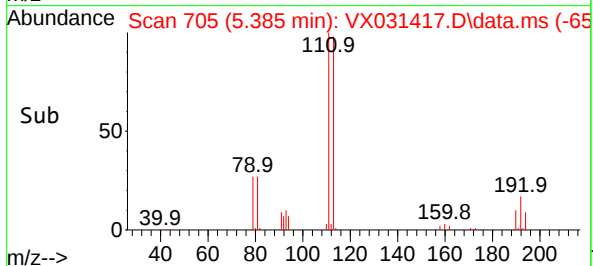
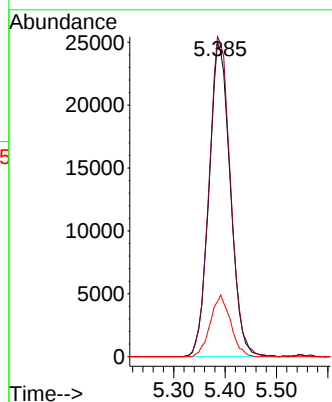
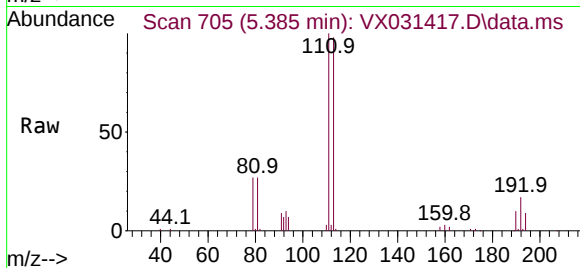
Tgt Ion:113 Resp: 71530

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

192 18.7 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.215 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX031417.D

Acq: 16 Sep 2022 17:59

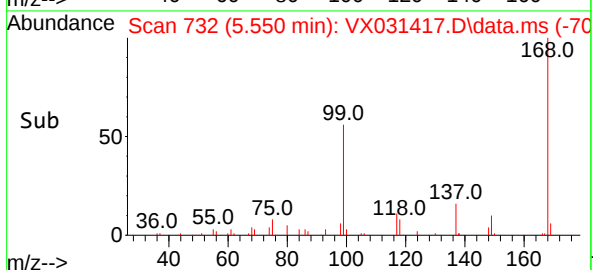
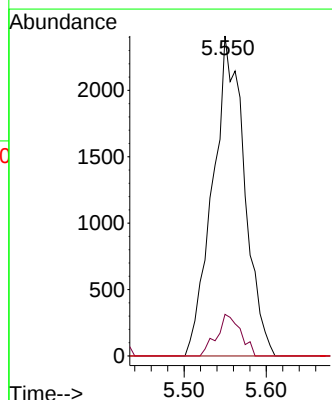
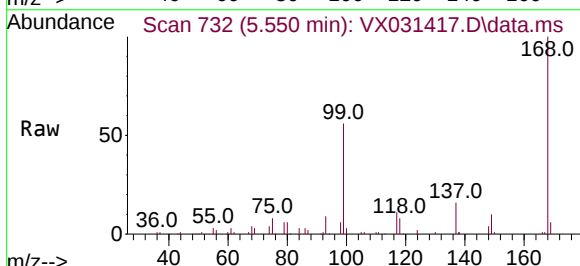
Tgt Ion: 75 Resp: 6458

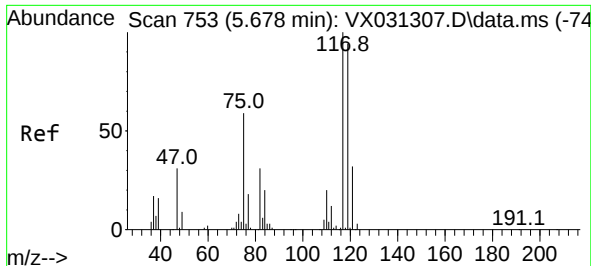
Ion Ratio Lower Upper

75 100

110 9.7 17.5 52.5#

77 0.0 24.9 37.3#

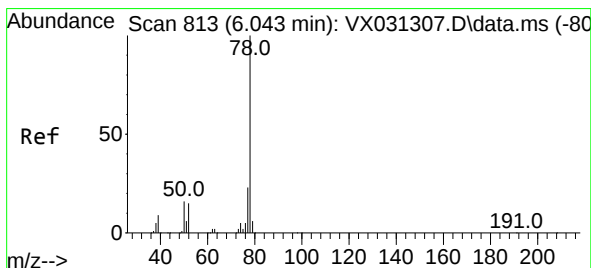
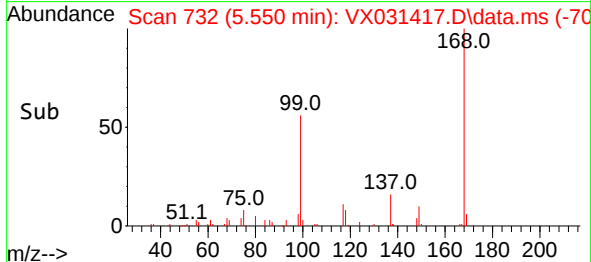
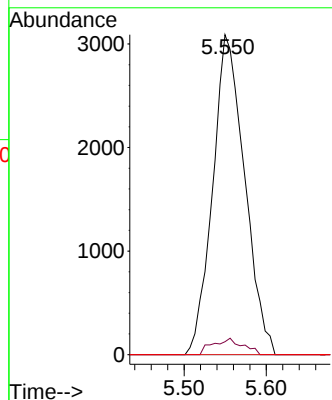
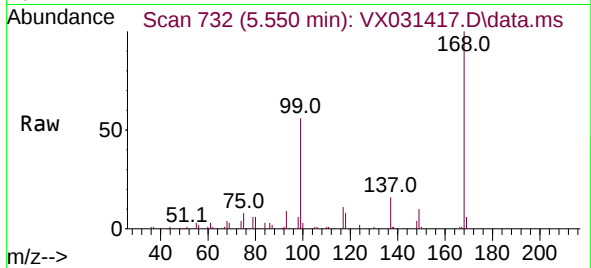




#38
Carbon Tetrachloride
Concen: 3.813 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

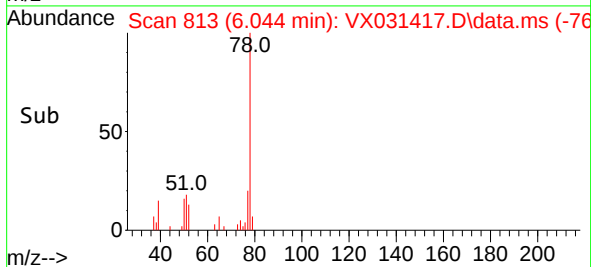
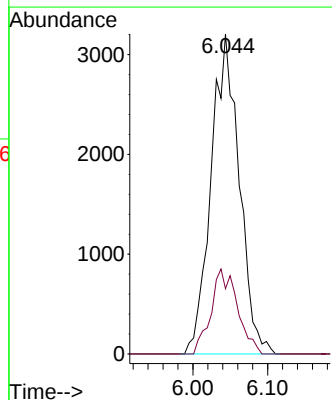
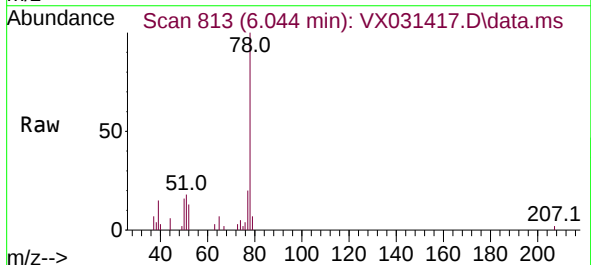
Instrument :
MSVOA_X
ClientSampleId :
MID-0907

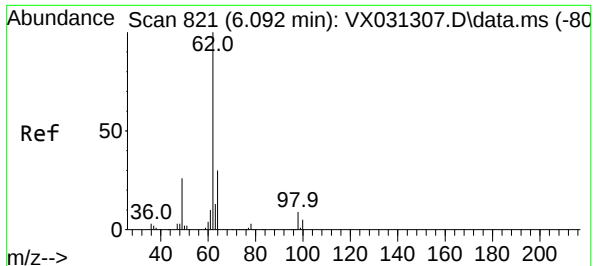
Tgt Ion:117 Resp: 8324
Ion Ratio Lower Upper
117 100
119 4.0 74.6 112.0#
121 0.0 25.3 37.9#



#40
Benzene
Concen: 1.455 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Tgt Ion: 78 Resp: 8390
Ion Ratio Lower Upper
78 100
77 20.4 18.7 28.1





#42

1,2-Dichloroethane

Concen: 0.353 ug/l

RT: 6.098 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX031417.D

Acq: 16 Sep 2022 17:59

Instrument :

MSVOA_X

ClientSampleId :

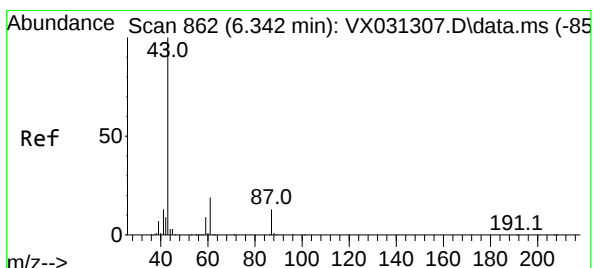
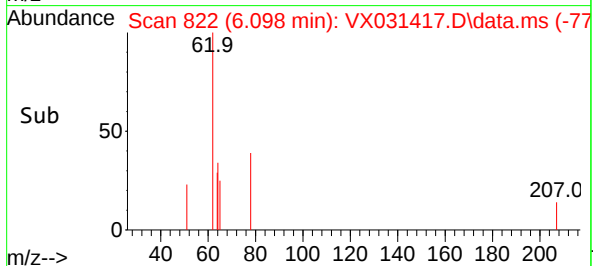
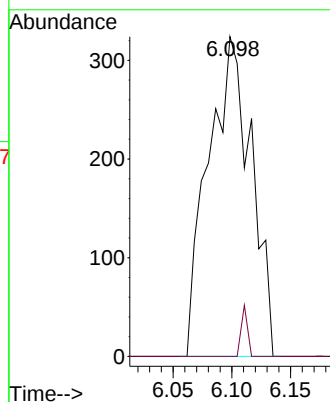
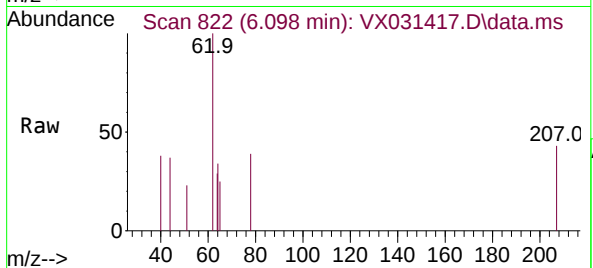
MID-0907

Tgt Ion: 62 Resp: 822

Ion Ratio Lower Upper

62 100

98 2.3 0.0 17.8



#43

Isopropyl Acetate

Concen: 0.806 ug/l

RT: 6.251 min Scan# 847

Delta R.T. -0.091 min

Lab File: VX031417.D

Acq: 16 Sep 2022 17:59

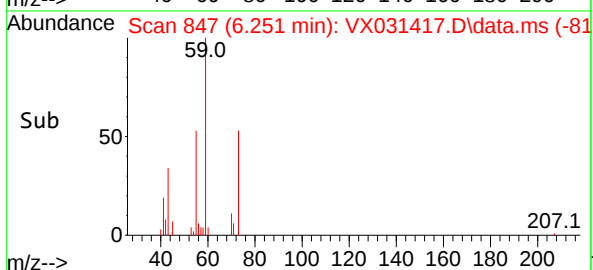
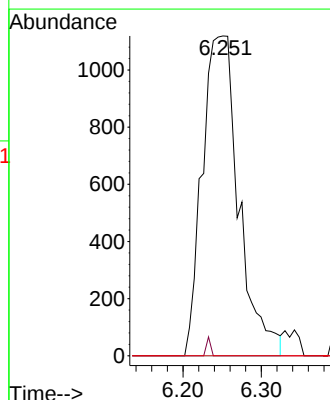
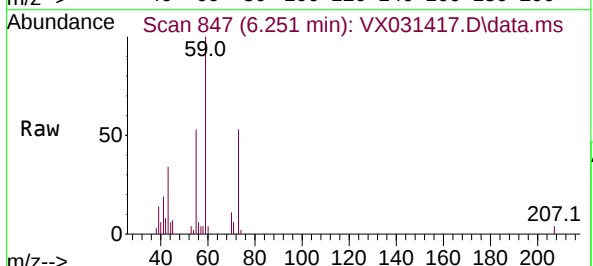
Tgt Ion: 43 Resp: 3633

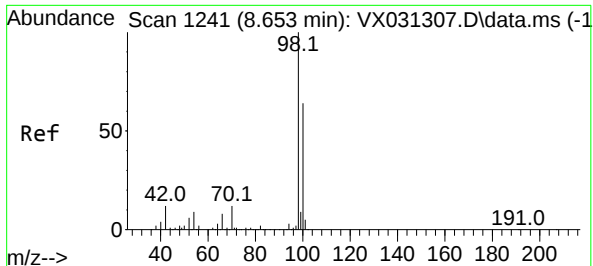
Ion Ratio Lower Upper

43 100

61 0.7 15.3 22.9#

87 0.0 10.6 15.8#

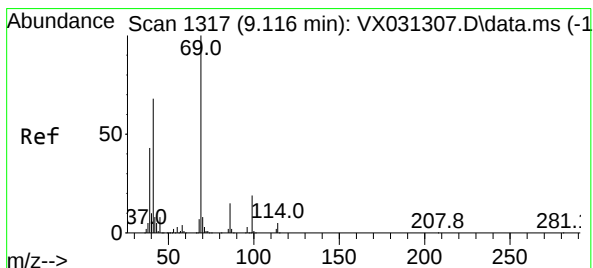
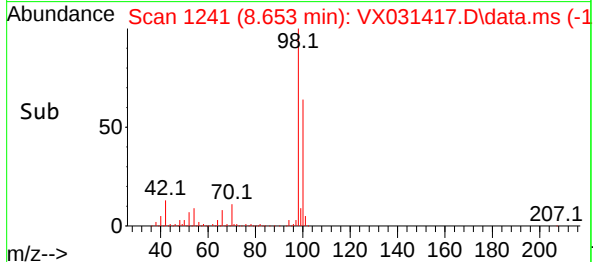
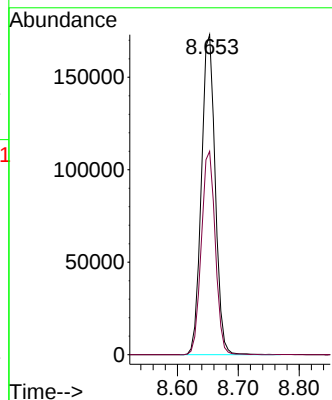
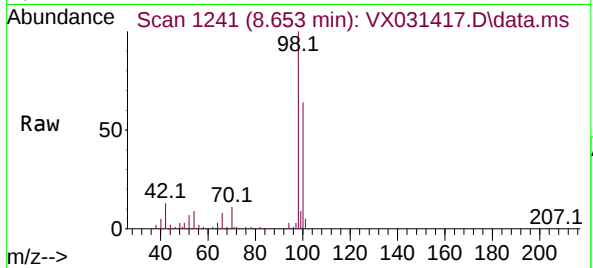




#50
Toluene-d8
Concen: 49.504 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

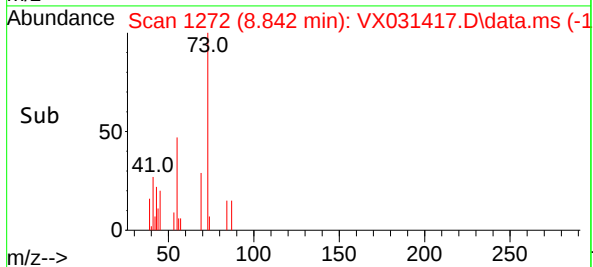
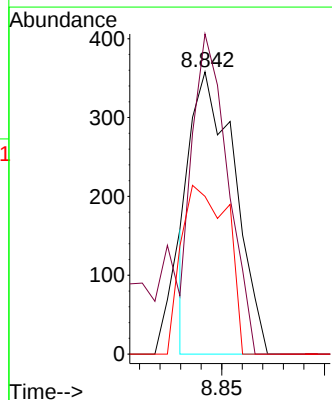
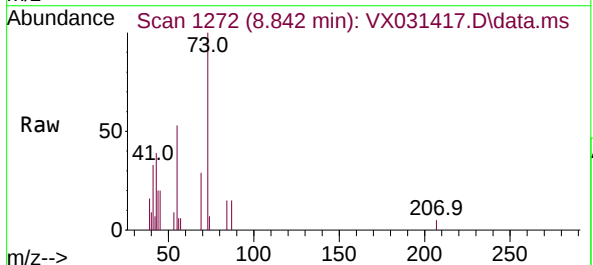
Instrument :
MSVOA_X
ClientSampleId :
MID-0907

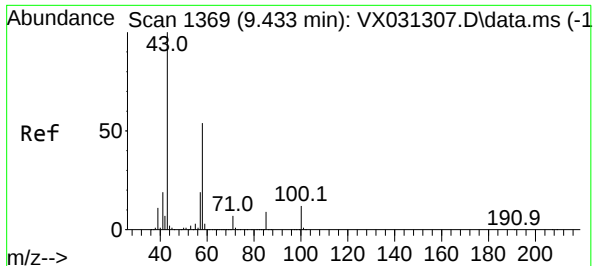
Tgt Ion: 98 Resp: 272499
Ion Ratio Lower Upper
98 100
100 64.2 52.5 78.7



#56
Ethyl methacrylate
Concen: 0.204 ug/l
RT: 8.842 min Scan# 1272
Delta R.T. -0.274 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Tgt Ion: 69 Resp: 532
Ion Ratio Lower Upper
69 100
41 91.5 54.2 81.4#
39 53.4 34.2 51.2#





#59

2-Hexanone

Concen: 0.505 ug/l

RT: 9.567 min Scan# 1391

Delta R.T. 0.134 min

Lab File: VX031417.D

Acq: 16 Sep 2022 17:59

Instrument :

MSVOA_X

ClientSampleId :

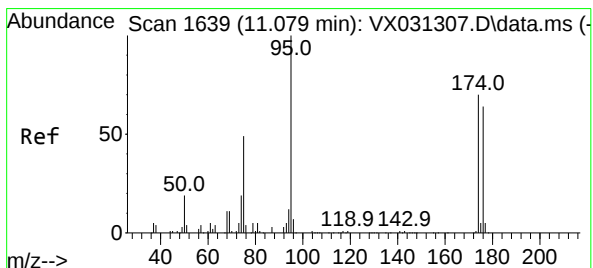
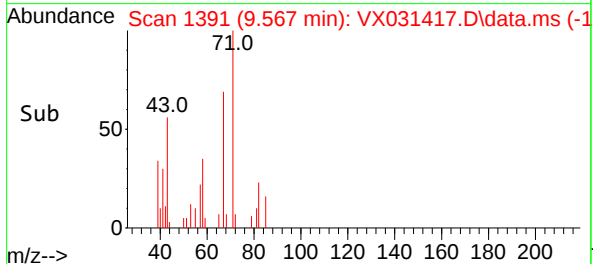
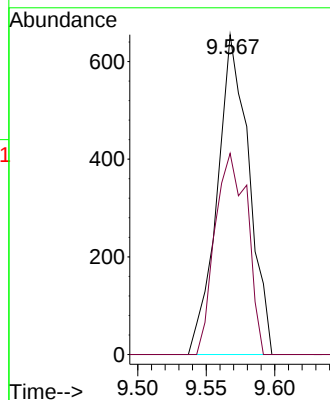
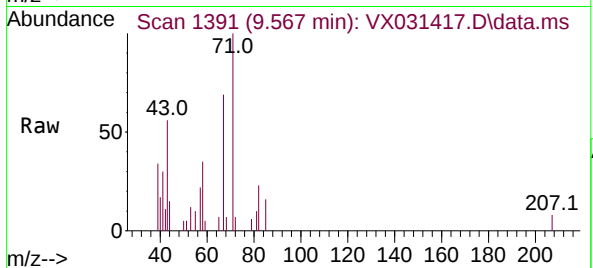
MID-0907

Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

58 64.1 26.7 80.0



#62

4-Bromofluorobenzene

Concen: 44.240 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX031417.D

Acq: 16 Sep 2022 17:59

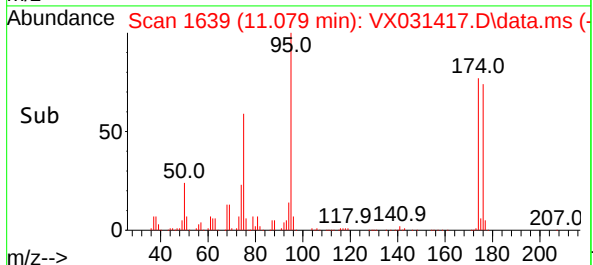
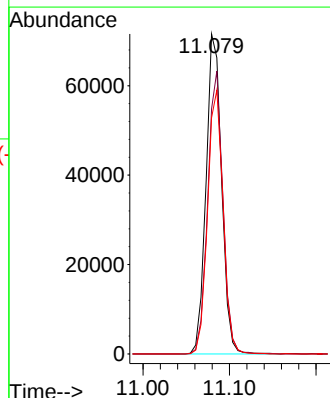
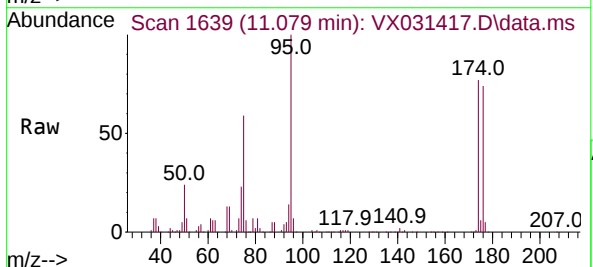
Tgt Ion: 95 Resp: 89177

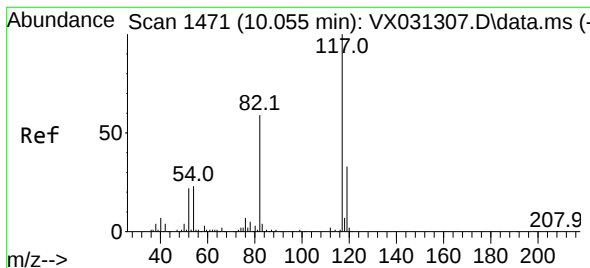
Ion Ratio Lower Upper

95 100

174 86.6 0.0 153.2

176 82.5 0.0 144.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX031417.D

Acq: 16 Sep 2022 17:59

Instrument :

MSVOA_X

ClientSampleId :

MID-0907

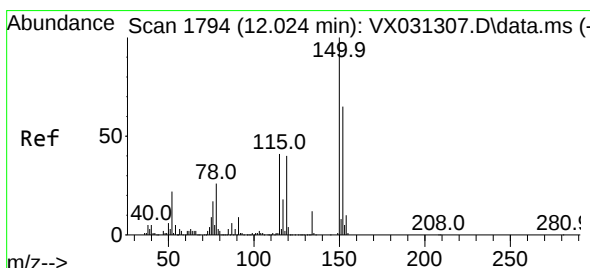
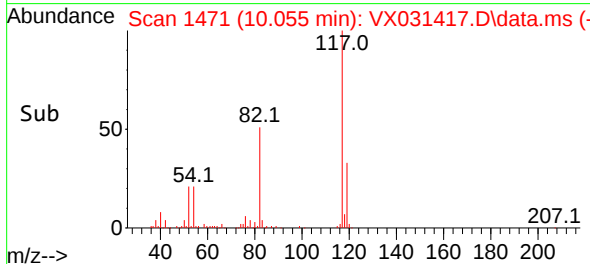
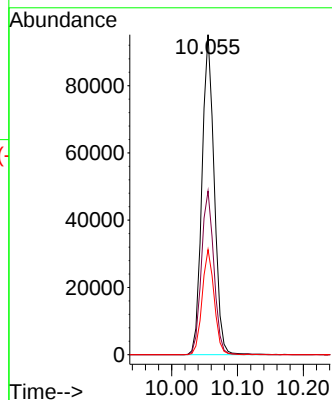
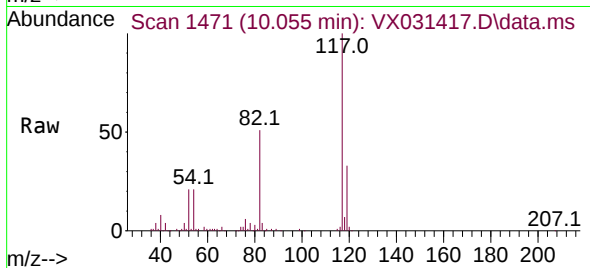
Tgt Ion:117 Resp: 122816

Ion Ratio Lower Upper

117 100

82 51.1 46.8 70.2

119 32.9 26.4 39.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX031417.D

Acq: 16 Sep 2022 17:59

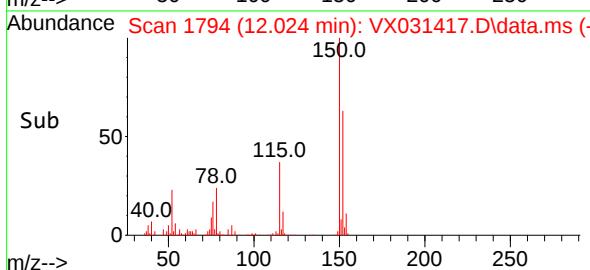
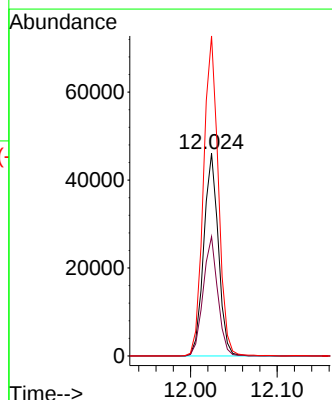
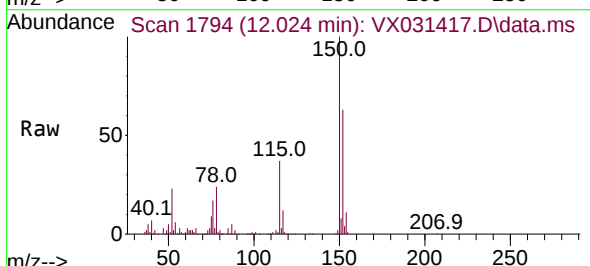
Tgt Ion:152 Resp: 53826

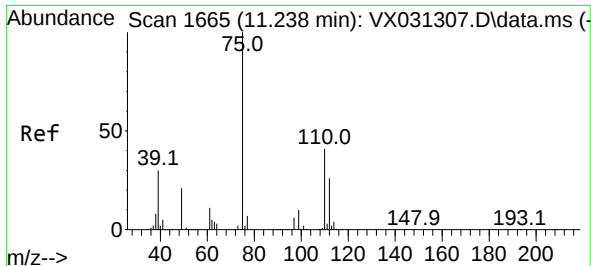
Ion Ratio Lower Upper

152 100

115 58.8 43.4 130.1

150 160.7 0.0 346.8

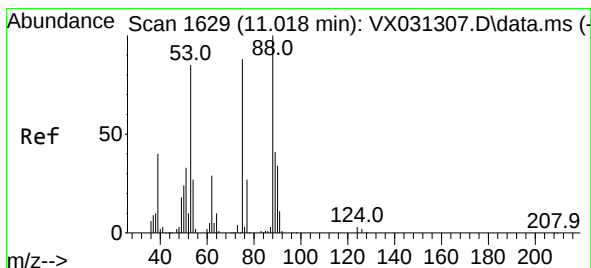
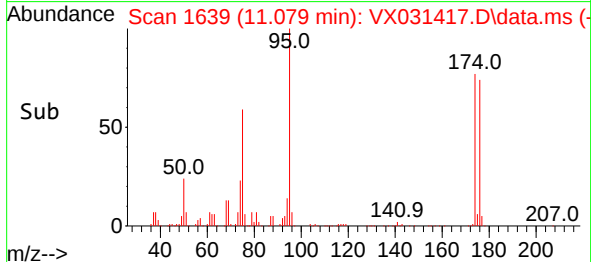
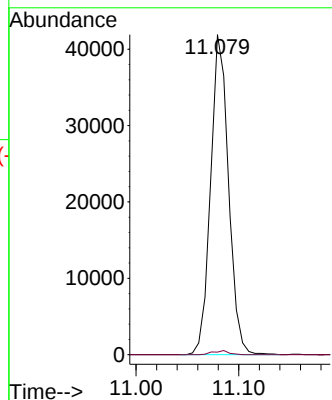
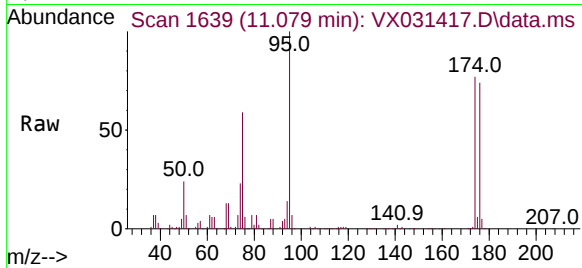




#76
1,2,3-Trichloropropane
Concen: 37.361 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Instrument :
MSVOA_X
ClientSampleId :
MID-0907

Tgt Ion: 75 Resp: 50677
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.378 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031417.D
Acq: 16 Sep 2022 17:59

Tgt Ion: 75 Resp: 50677
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

