

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028196.D
 Acq On : 20 Apr 2022 14:39
 Operator : JC/MD
 Sample : N2448-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E14ST-B6-041522-GW

Quant Time: Apr 21 06:12:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

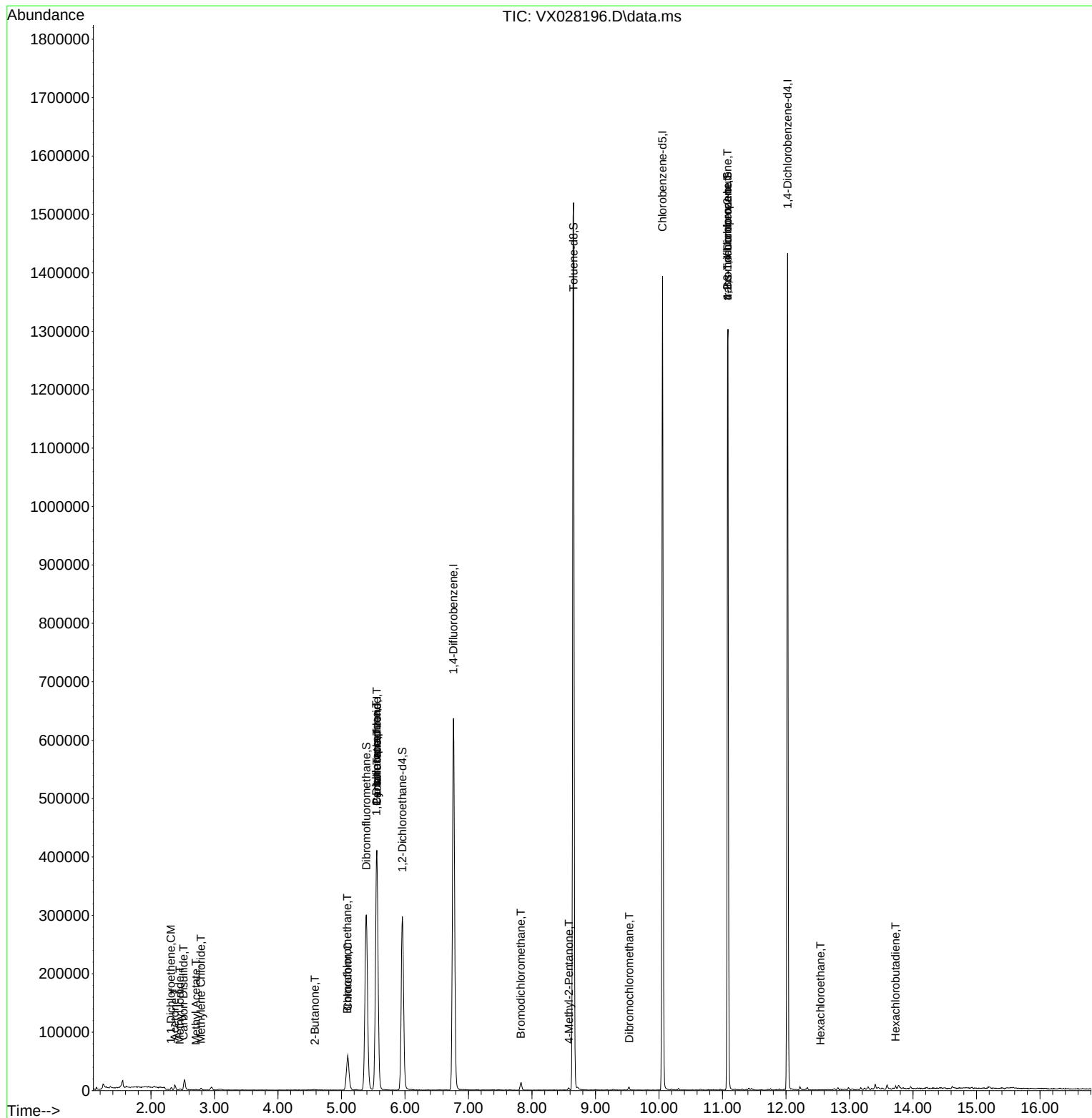
Internal Standards						
1) Pentafluorobenzene	5.556	168	400972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	685675	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	644086	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	299461	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	284677	54.450	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.900%			
35) Dibromofluoromethane	5.391	113	262313	54.551	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.100%			
50) Toluene-d8	8.653	98	940624	50.930	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.860%			
62) 4-Bromofluorobenzene	11.079	95	343759	48.679	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 97.360%			
Target Compounds						
						Qvalue
3) Chloromethane	1.295	50	948	Below Cal		100
5) Bromomethane	1.618	94	1084	Below Cal		95
6) Chloroethane	1.685	64	227	Below Cal	#	50
8) Diethyl Ether	2.142	74	42	Below Cal	#	1
10) Methyl Iodide	2.453	142	1785	5.594	ug/l	90
11) Tert butyl alcohol	2.959	59	5012	Below Cal		95
12) 1,1-Dichloroethene	2.313	96	1220	0.396	ug/l #	64
16) Acetone	2.374	43	8695	4.072	ug/l	91
17) Carbon Disulfide	2.514	76	2154	0.260	ug/l	96
18) Methyl Acetate	2.709	43	1116	0.240	ug/l #	80
20) Methylene Chloride	2.788	84	1395	0.360	ug/l #	85
25) 2-Butanone	4.581	43	1223	0.395	ug/l #	76
28) Bromochloromethane	5.093	49	5191	1.740	ug/l #	7
30) Chloroform	5.099	83	69271	8.295	ug/l	95
31) Cyclohexane	5.556	56	7659	1.202	ug/l #	4
36) 1,1-Dichloropropene	5.550	75	28256	4.505	ug/l #	50
38) Carbon Tetrachloride	5.556	117	40749	5.755	ug/l #	15
47) Bromodichloromethane	7.824	83	8312	1.227	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	2368	0.356	ug/l	94
60) Dibromochloromethane	9.531	129	2300	0.407	ug/l	88
76) 1,2,3-Trichloropropane	11.079	75	169547	28.768	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	169547	85.491	ug/l #	15
90) Hexachloroethane	12.543	117	50	1.828	ug/l #	10
94) Hexachlorobutadiene	13.725	225	688	0.259	ug/l	84

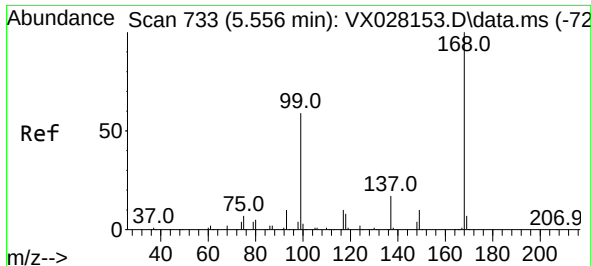
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
Data File : VX028196.D
Acq On : 20 Apr 2022 14:39
Operator : JC/MD
Sample : N2448-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

Quant Time: Apr 21 06:12:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

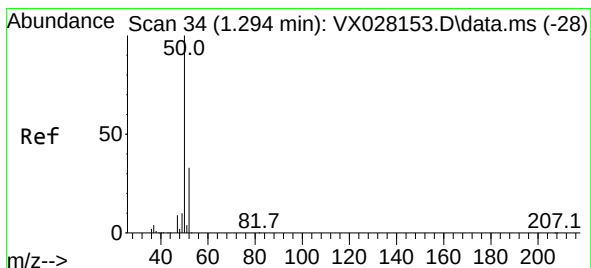
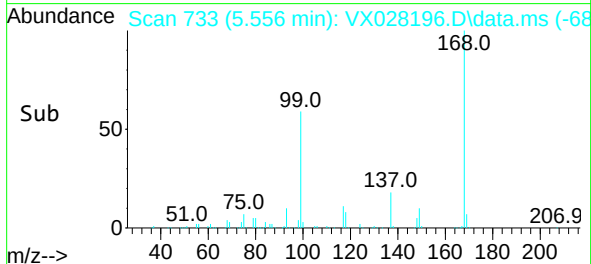
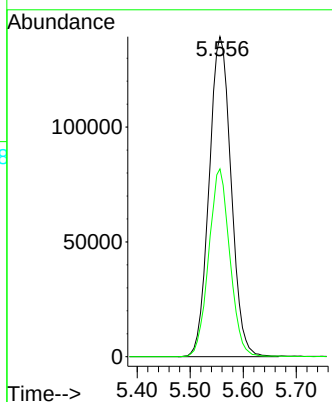
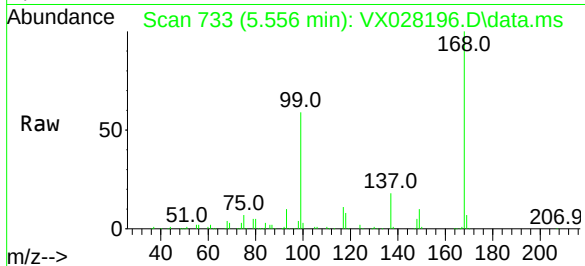




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

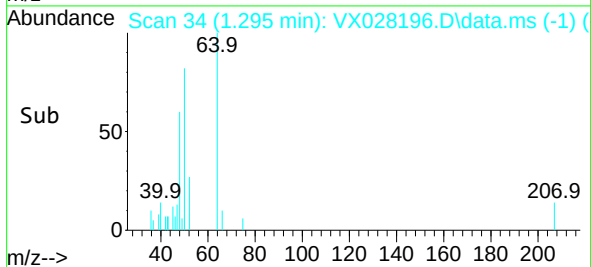
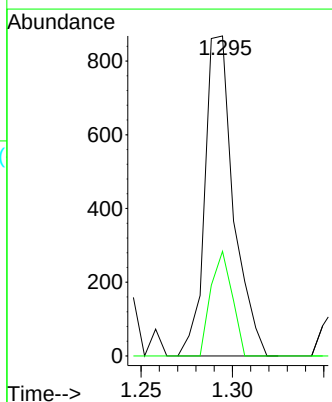
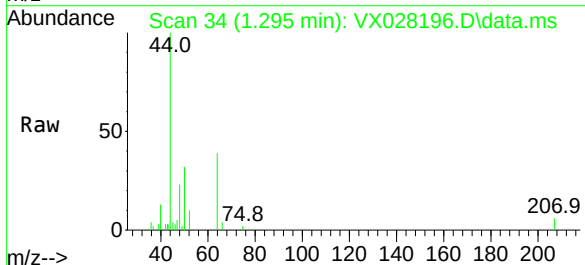
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

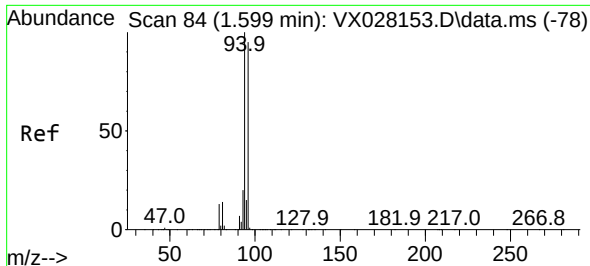
Tgt Ion:168 Resp: 400972
Ion Ratio Lower Upper
168 100
99 58.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 50 Resp: 948
Ion Ratio Lower Upper
50 100
52 32.7 26.4 39.6

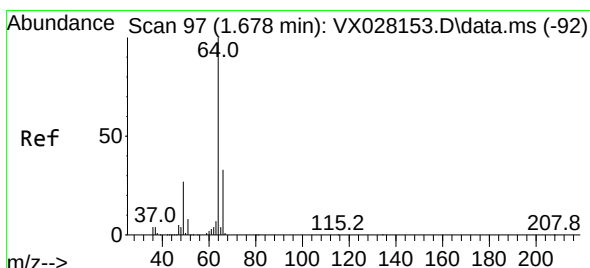
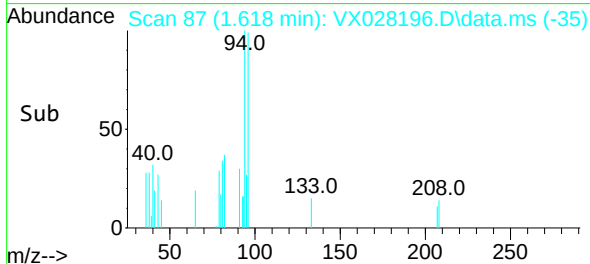
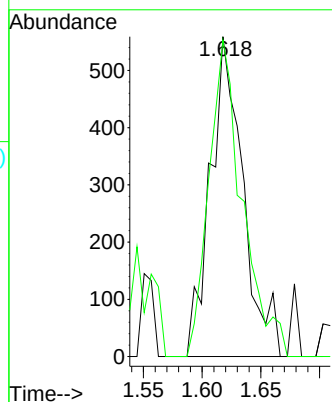
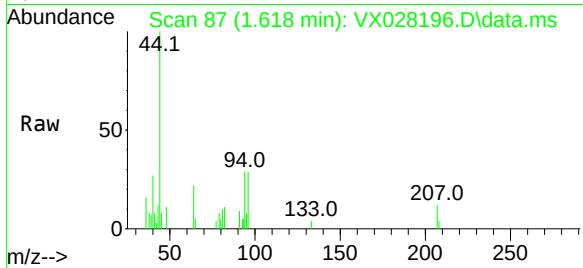




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

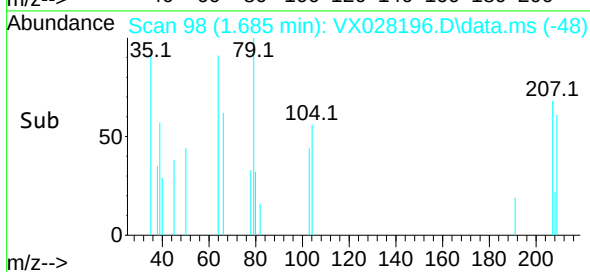
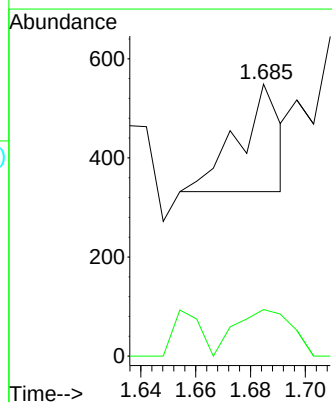
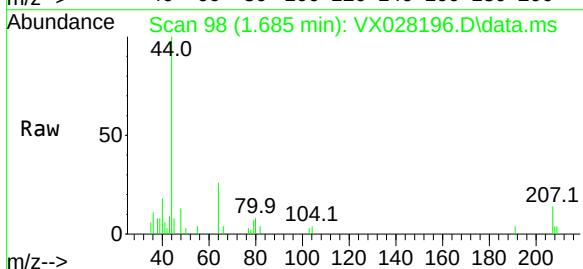
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

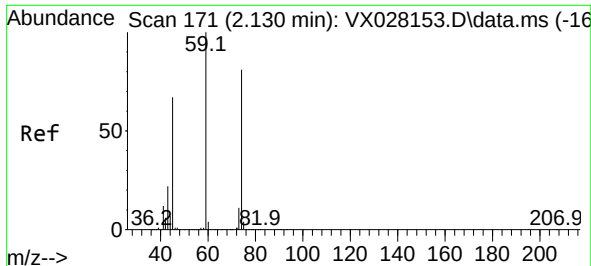
Tgt Ion: 94 Resp: 1084
Ion Ratio Lower Upper
94 100
96 98.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

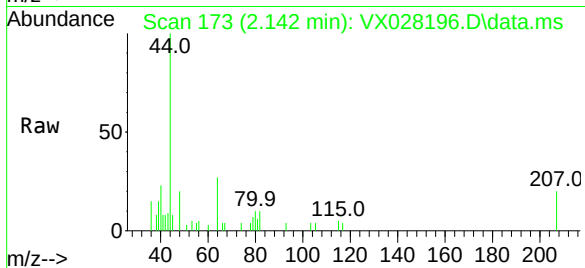
Tgt Ion: 64 Resp: 227
Ion Ratio Lower Upper
64 100
66 4.1 25.3 37.9#



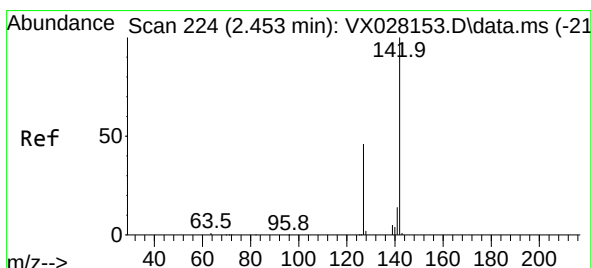
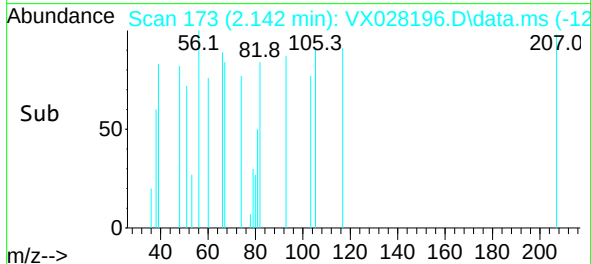
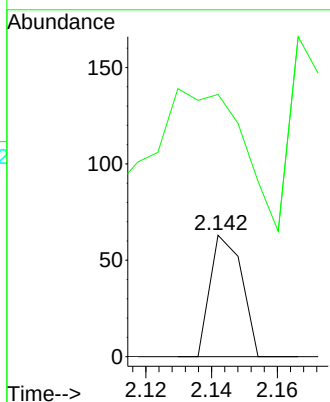


#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

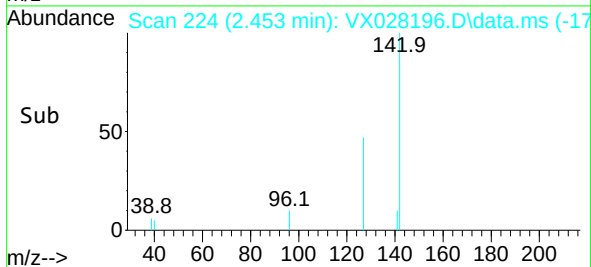
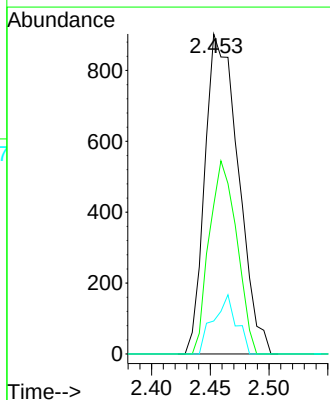
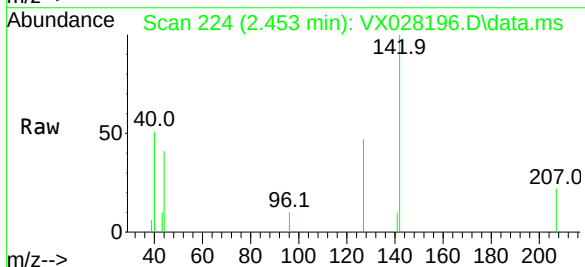


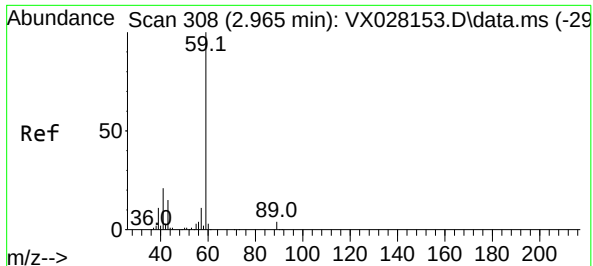
Tgt Ion: 74 Resp: 42
Ion Ratio Lower Upper
74 100
45 464.3 42.0 126.0#



#10
Methyl Iodide
Concen: 5.594 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion:142 Resp: 1785
Ion Ratio Lower Upper
142 100
127 49.8 33.9 50.9
141 12.8 11.4 17.2

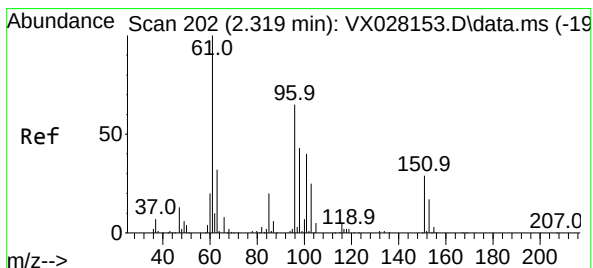
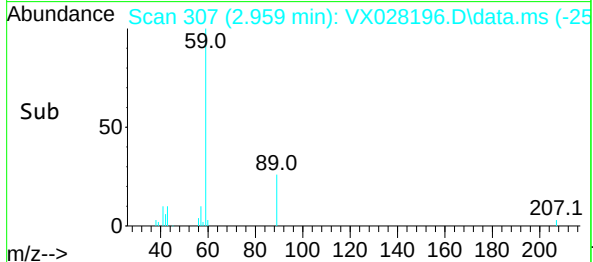
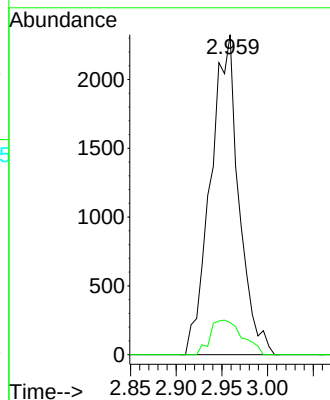
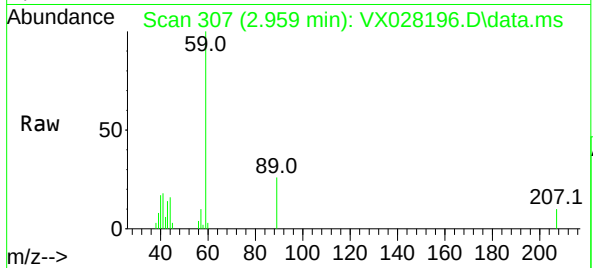




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 30
Delta R.T. -0.006 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

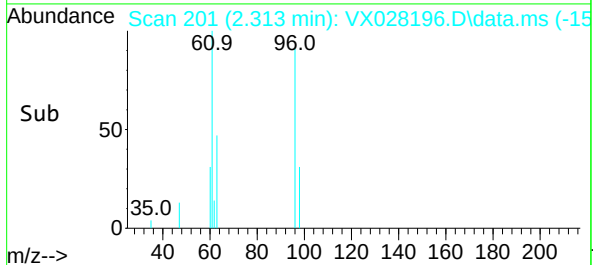
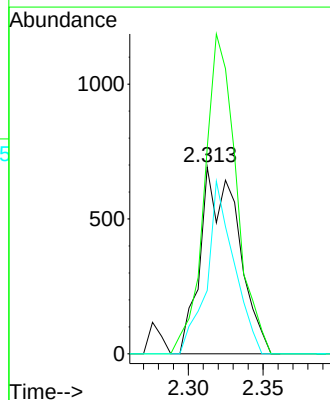
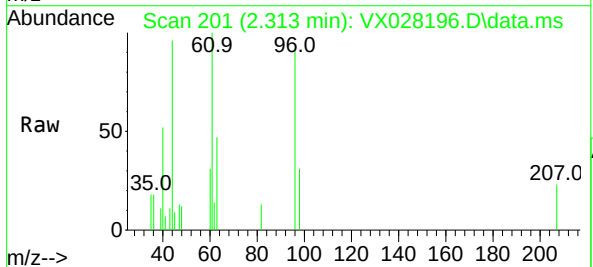
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

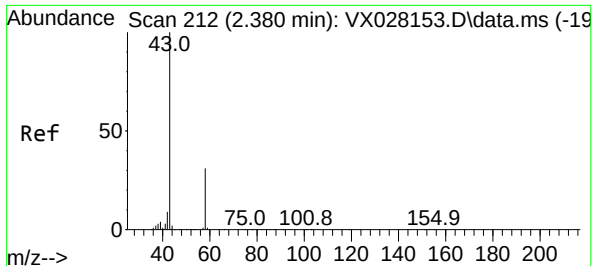
Tgt Ion: 59 Resp: 5012
Ion Ratio Lower Upper
59 100
57 12.2 8.3 12.5



#12
1,1-Dichloroethene
Concen: 0.396 ug/l
RT: 2.313 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 96 Resp: 1220
Ion Ratio Lower Upper
96 100
61 110.4 124.6 187.0#
98 34.0 51.0 76.4#

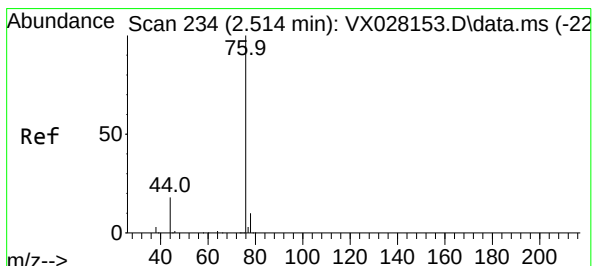
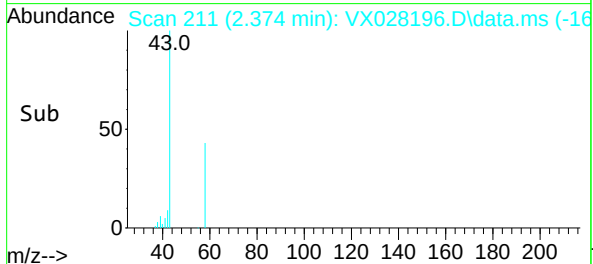
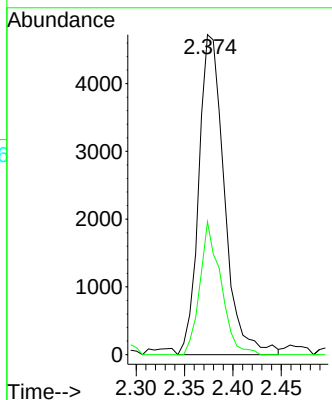
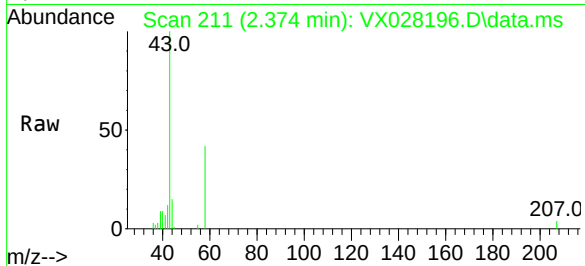




#16
Acetone
Concen: 4.072 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

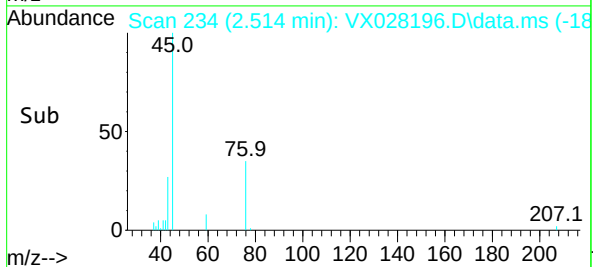
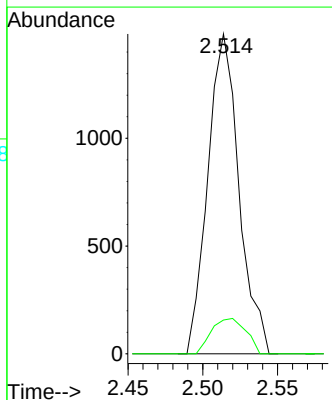
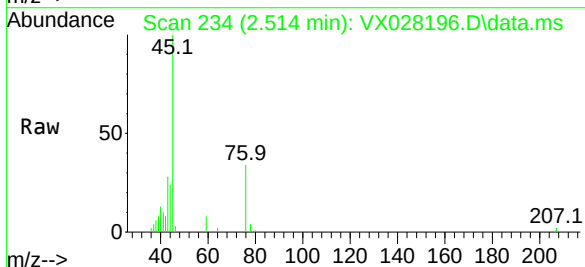
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

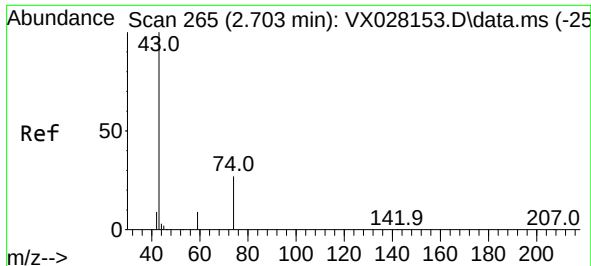
Tgt Ion: 43 Resp: 8695
Ion Ratio Lower Upper
43 100
58 41.6 28.8 43.2



#17
Carbon Disulfide
Concen: 0.260 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 76 Resp: 2154
Ion Ratio Lower Upper
76 100
78 10.6 7.2 10.8

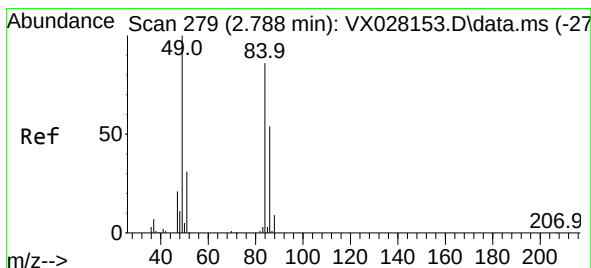
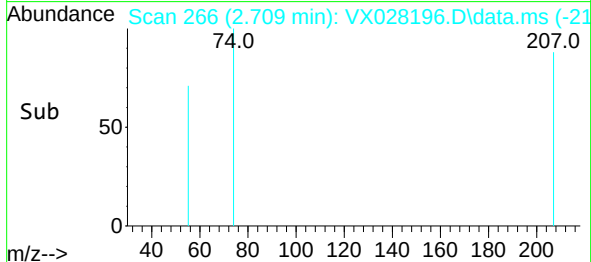
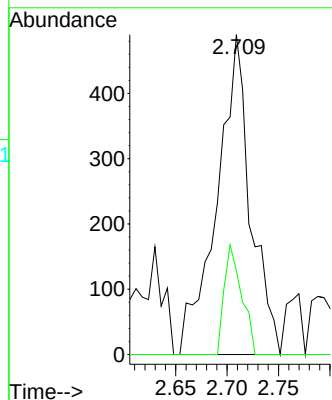
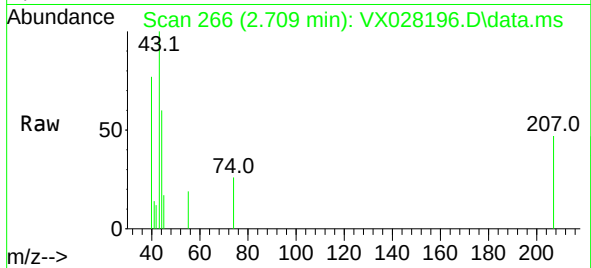




#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 2.709 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

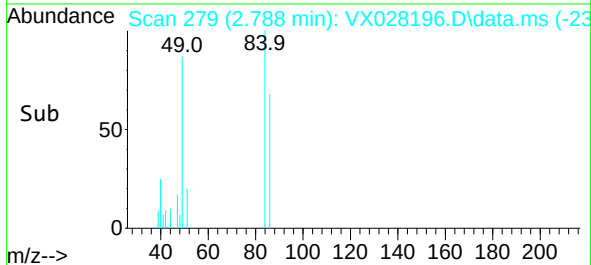
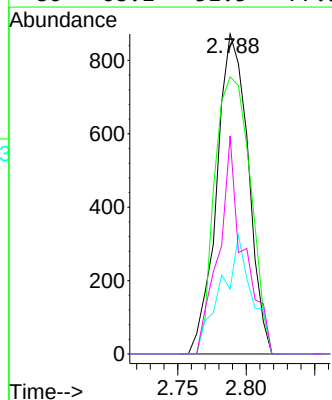
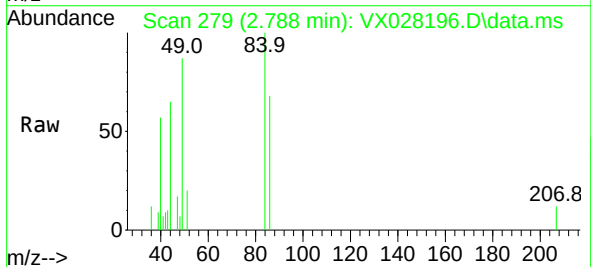
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

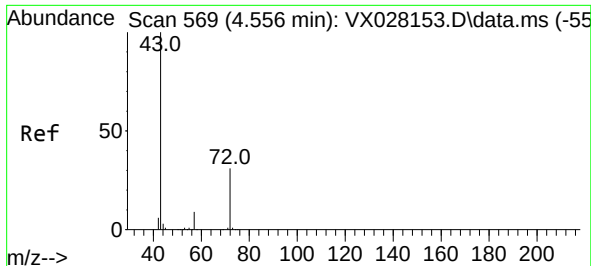
Tgt Ion: 43 Resp: 1116
Ion Ratio Lower Upper
43 100
74 17.7 22.8 34.2#



#20
Methylene Chloride
Concen: 0.360 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 84 Resp: 1395
Ion Ratio Lower Upper
84 100
49 86.6 85.5 128.3
51 20.3 26.6 39.8#
86 68.1 51.5 77.3

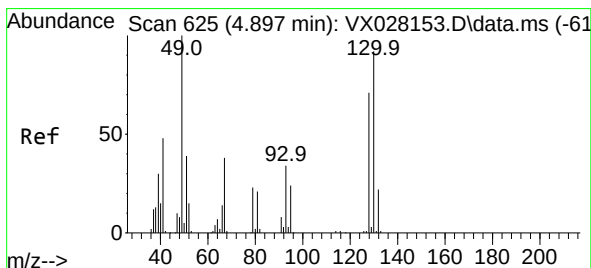
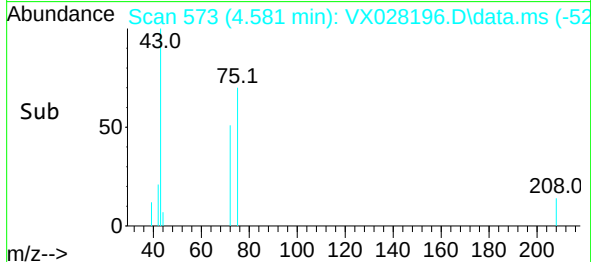
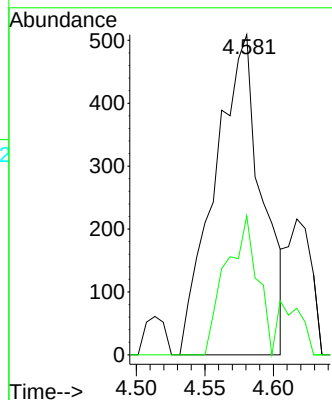
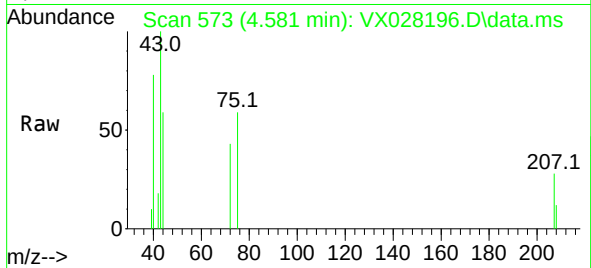




#25
2-Butanone
Concen: 0.395 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

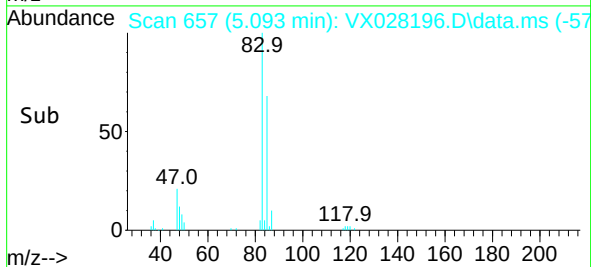
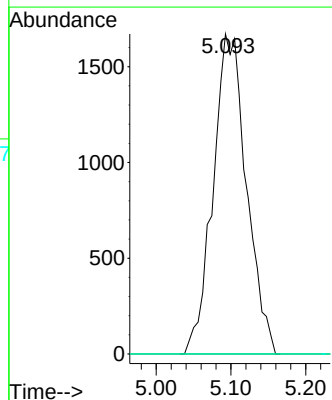
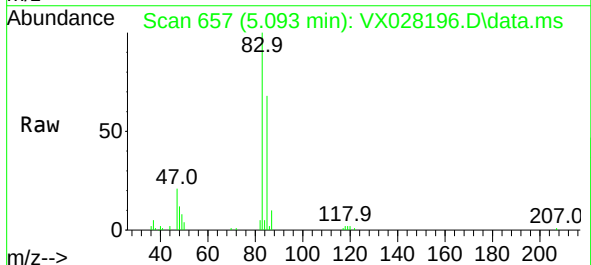
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

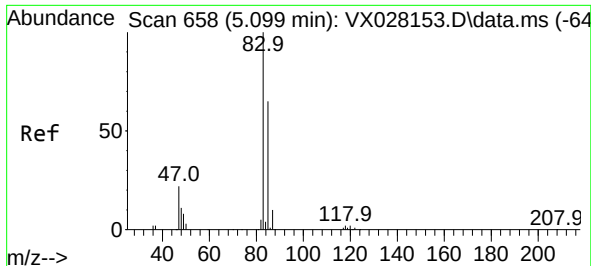
Tgt Ion: 43 Resp: 1223
Ion Ratio Lower Upper
43 100
72 43.4 24.4 36.6#



#28
Bromochloromethane
Concen: 1.740 ug/l
RT: 5.093 min Scan# 657
Delta R.T. 0.196 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 49 Resp: 5191
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.4
130 0.0 70.7 106.1#

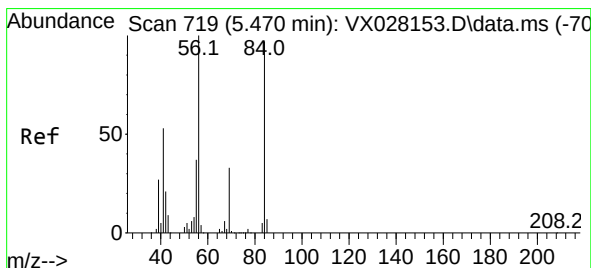
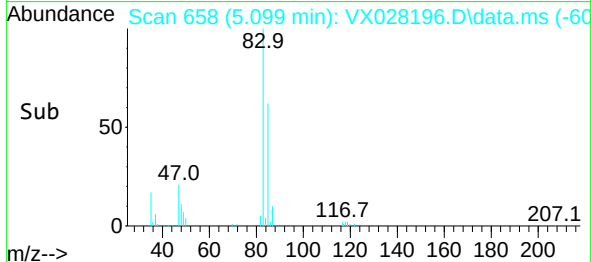
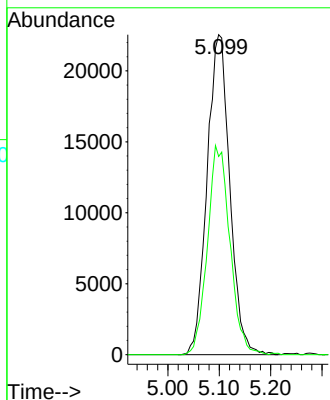
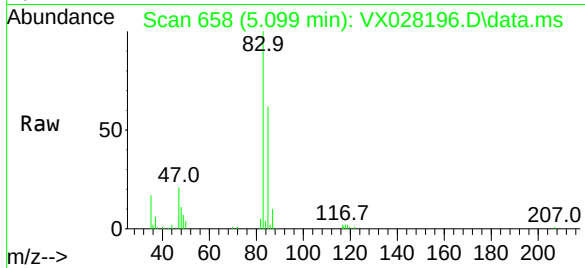




#30
Chloroform
Concen: 8.295 ug/l
RT: 5.099 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

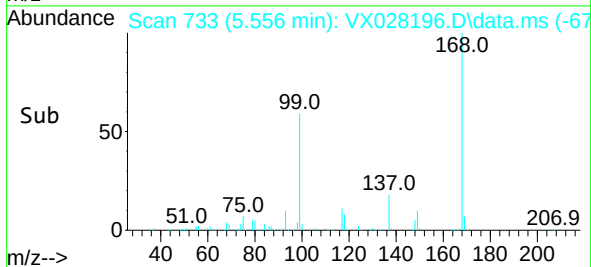
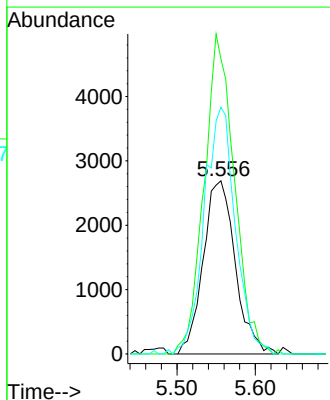
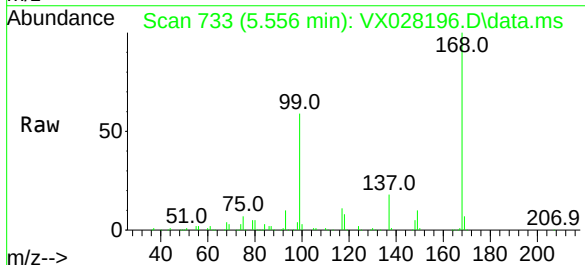
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

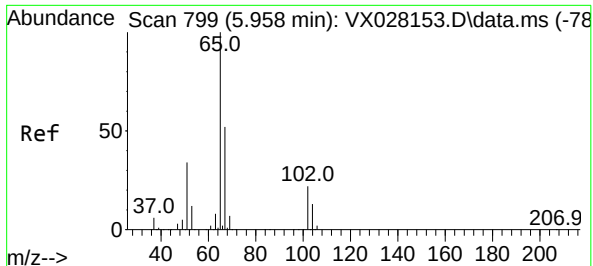
Tgt Ion: 83 Resp: 69271
Ion Ratio Lower Upper
83 100
85 62.0 52.7 79.1



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 56 Resp: 7659
Ion Ratio Lower Upper
56 100
69 167.9 26.7 40.1#
84 142.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 54.450 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028196.D

Acq: 20 Apr 2022 14:39

Instrument :

MSVOA_X

ClientSampleId :

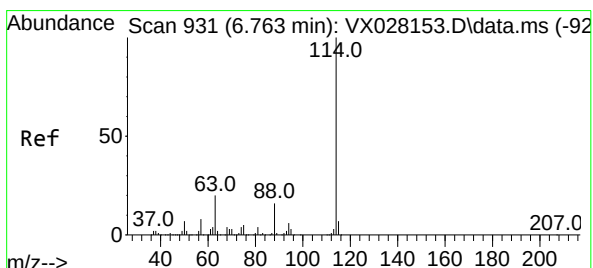
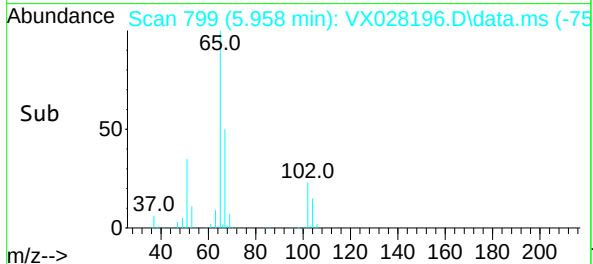
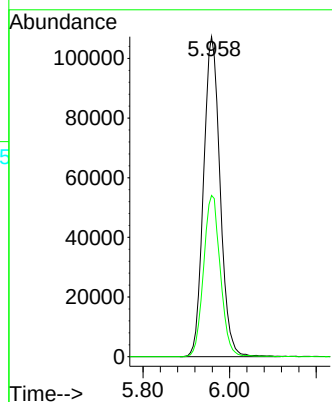
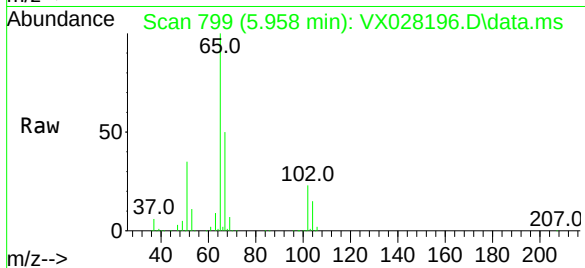
E14ST-B6-041522-GW

Tgt Ion: 65 Resp: 284677

Ion Ratio Lower Upper

65 100

67 51.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX028196.D

Acq: 20 Apr 2022 14:39

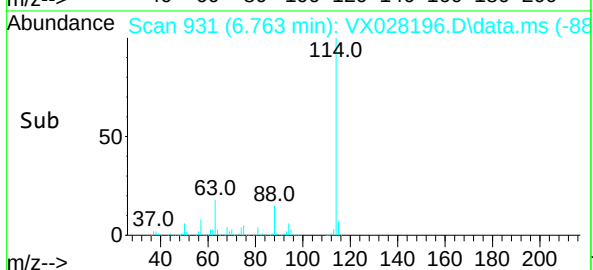
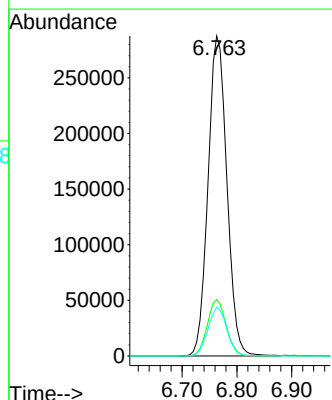
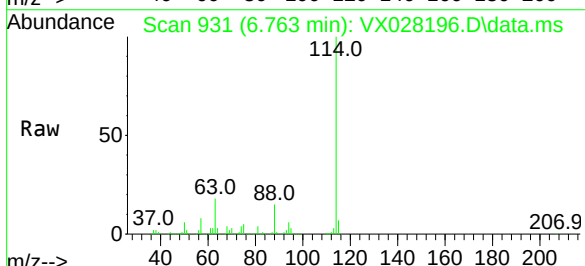
Tgt Ion: 114 Resp: 685675

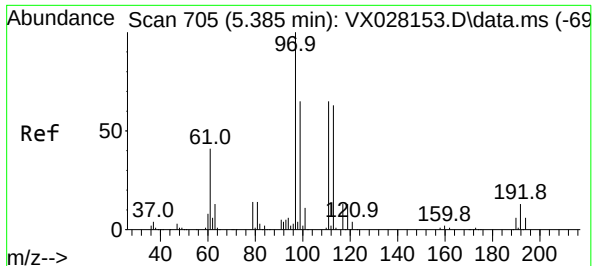
Ion Ratio Lower Upper

114 100

63 17.6 0.0 36.8

88 15.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.551 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028196.D

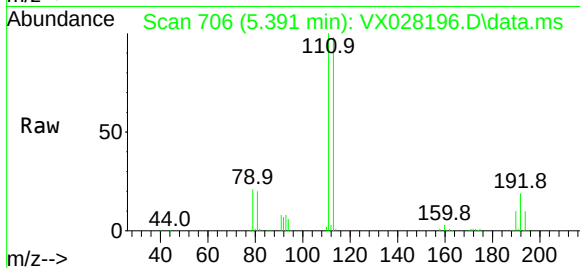
Acq: 20 Apr 2022 14:39

Instrument :

MSVOA_X

ClientSampleId :

E14ST-B6-041522-GW



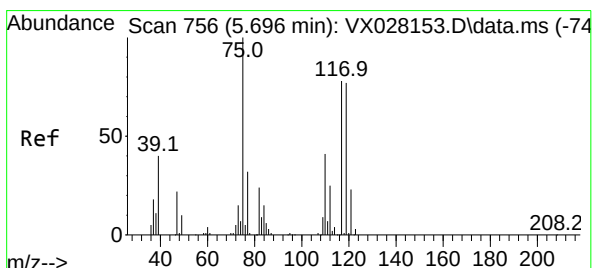
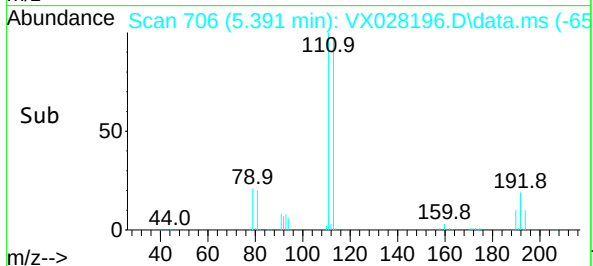
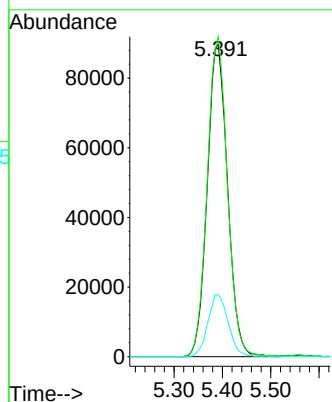
Tgt Ion:113 Resp: 262313

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

192 19.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.505 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028196.D

Acq: 20 Apr 2022 14:39

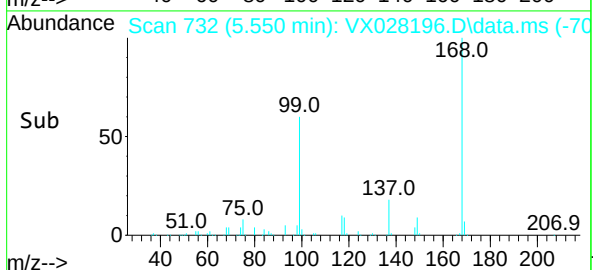
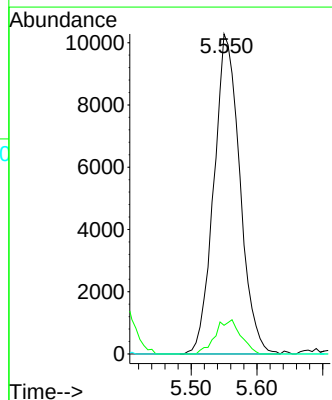
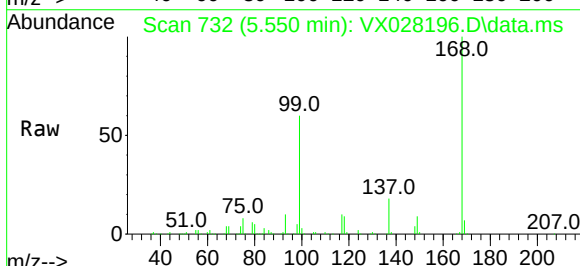
Tgt Ion: 75 Resp: 28256

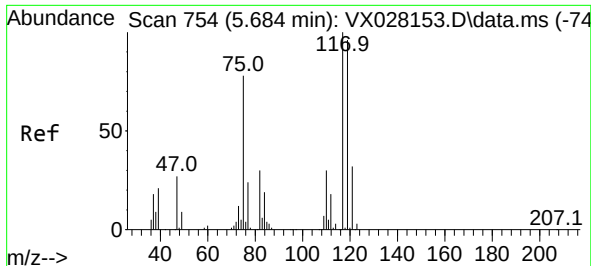
Ion Ratio Lower Upper

75 100

110 10.5 18.3 54.8#

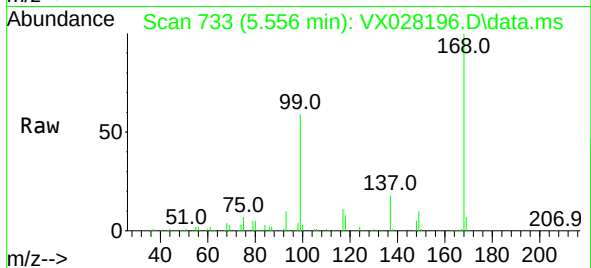
77 0.0 24.8 37.2#



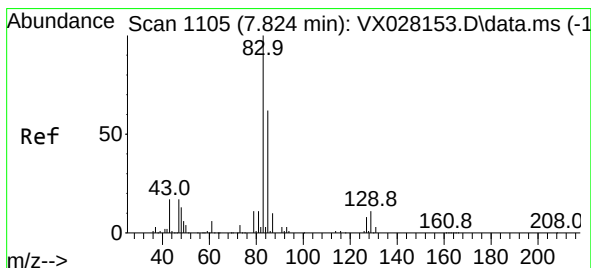
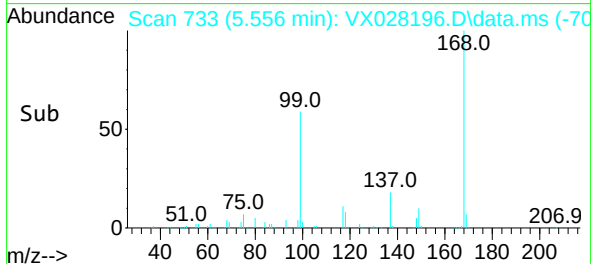
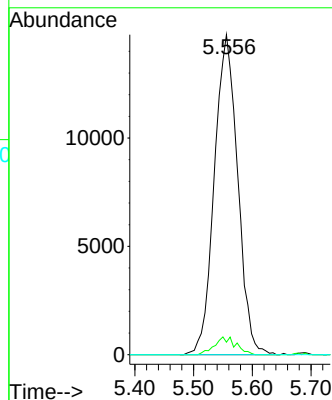


#38
Carbon Tetrachloride
Concen: 5.755 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

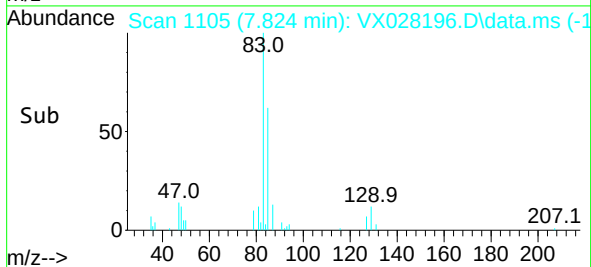
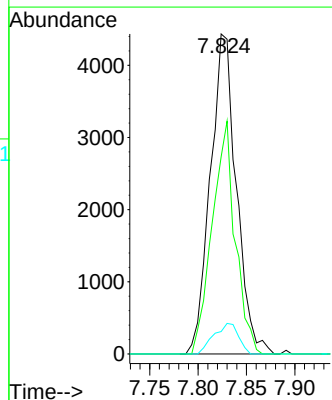
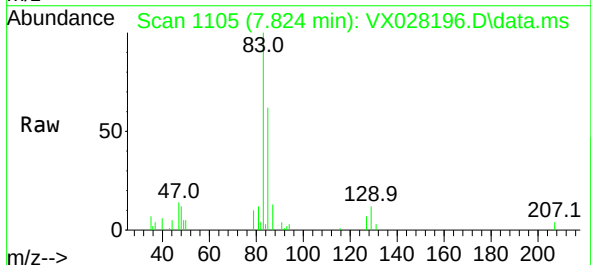


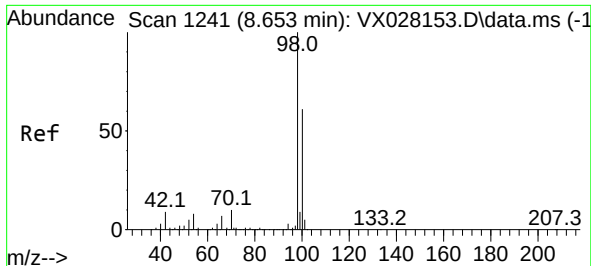
Tgt Ion:117 Resp: 40749
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#47
Bromodichloromethane
Concen: 1.227 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 83 Resp: 8312
Ion Ratio Lower Upper
83 100
85 61.6 52.2 78.2
127 7.0 6.8 10.2

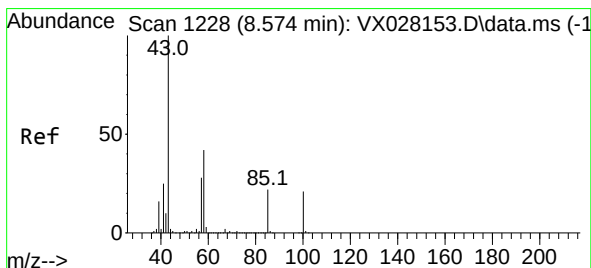
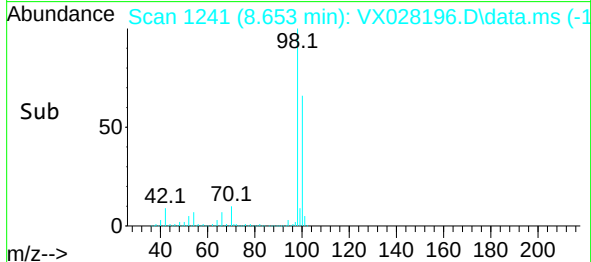
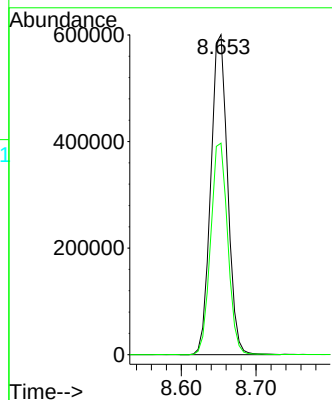
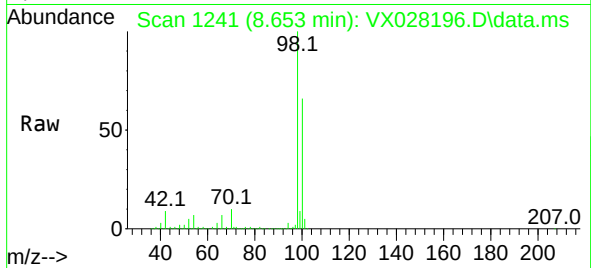




#50
Toluene-d8
Concen: 50.930 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

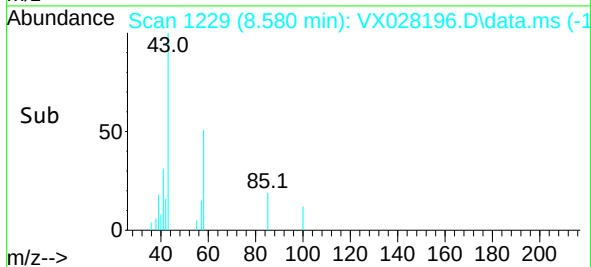
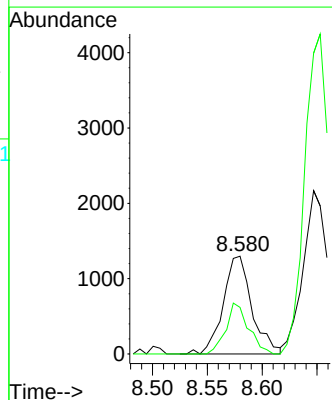
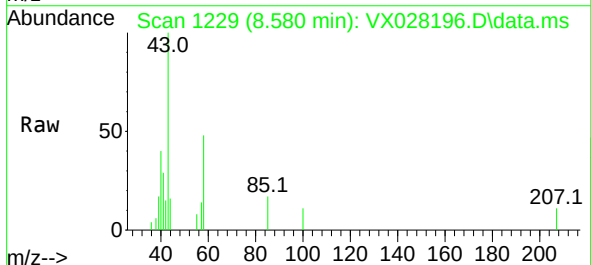
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

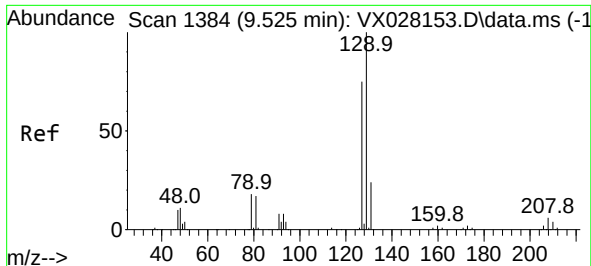
Tgt Ion: 98 Resp: 940624
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.356 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 43 Resp: 2368
Ion Ratio Lower Upper
43 100
58 41.0 36.1 54.1

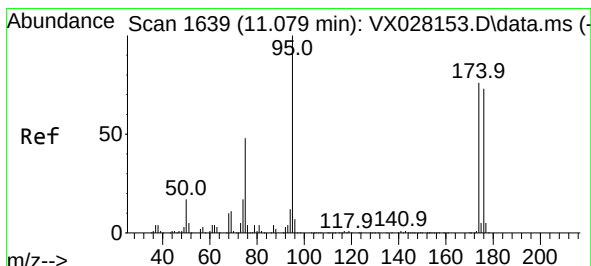
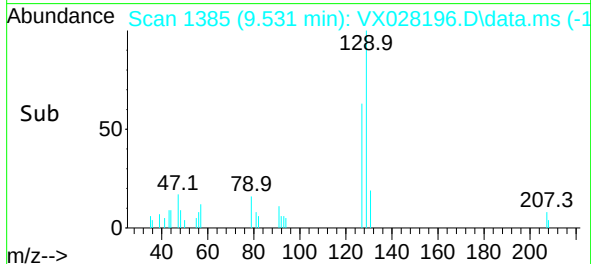
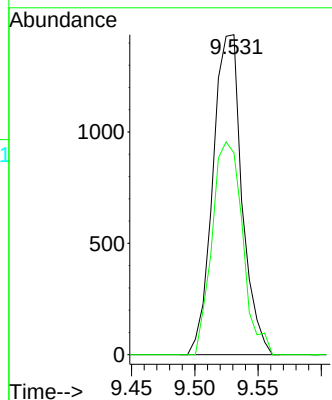
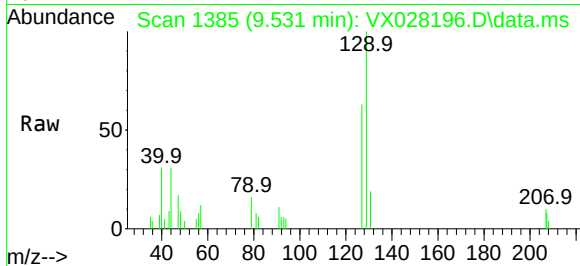




#60
Dibromochloromethane
Concen: 0.407 ug/l
RT: 9.531 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

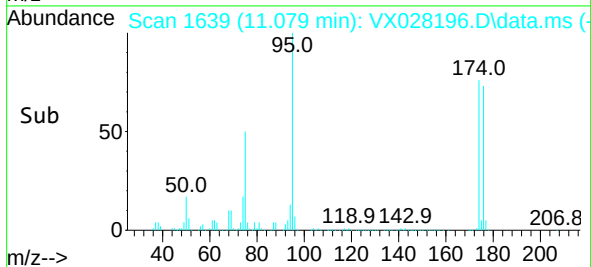
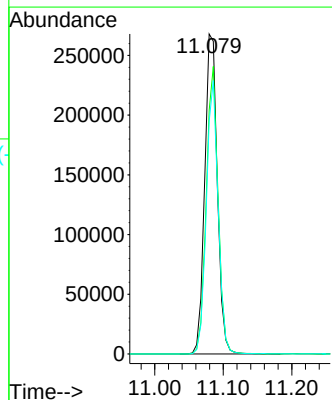
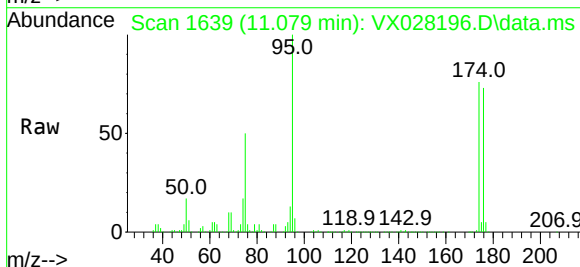
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

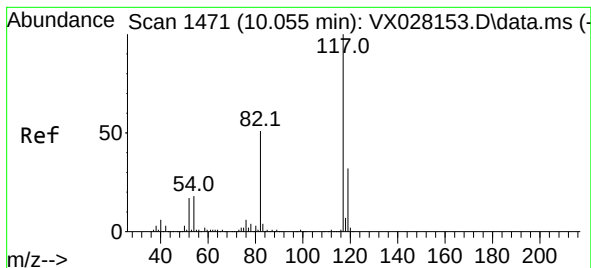
Tgt Ion:129 Resp: 2300
Ion Ratio Lower Upper
129 100
127 69.6 40.3 120.8



#62
4-Bromofluorobenzene
Concen: 48.679 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 95 Resp: 343759
Ion Ratio Lower Upper
95 100
174 84.6 0.0 163.0
176 80.3 0.0 155.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX028196.D

Acq: 20 Apr 2022 14:39

Instrument :

MSVOA_X

ClientSampleId :

E14ST-B6-041522-GW

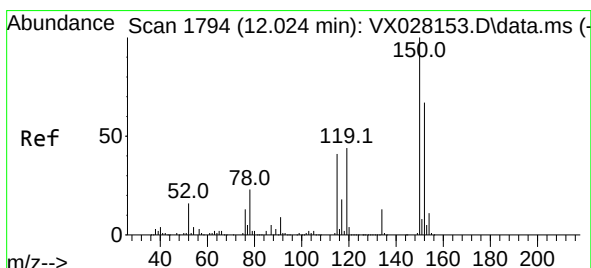
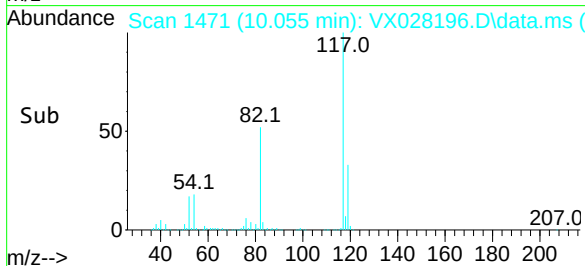
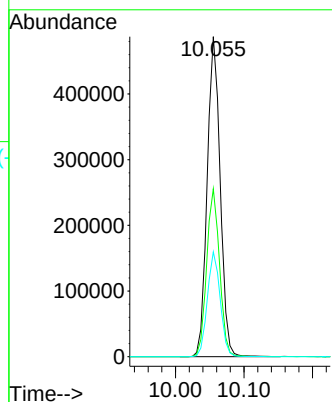
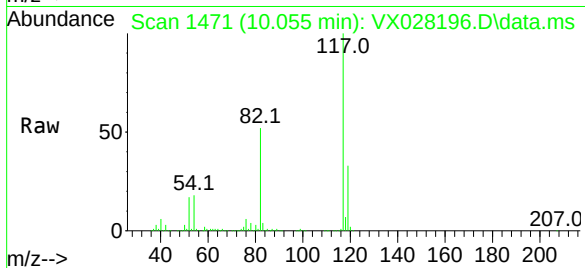
Tgt Ion:117 Resp: 644086

Ion Ratio Lower Upper

117 100

82 52.4 41.8 62.8

119 32.8 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028196.D

Acq: 20 Apr 2022 14:39

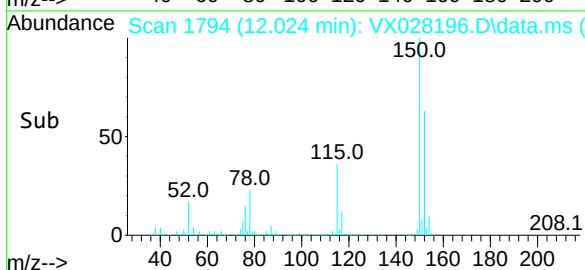
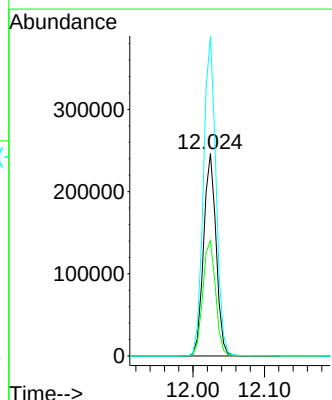
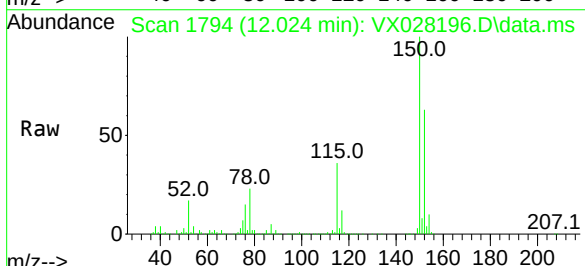
Tgt Ion:152 Resp: 299461

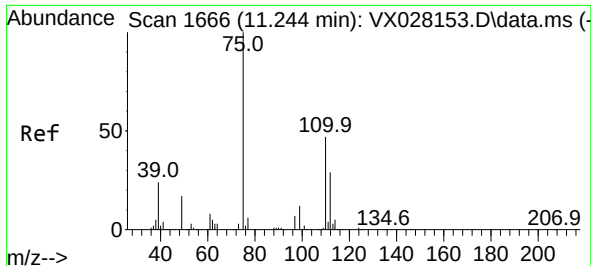
Ion Ratio Lower Upper

152 100

115 58.4 37.5 112.7

150 158.7 0.0 338.2

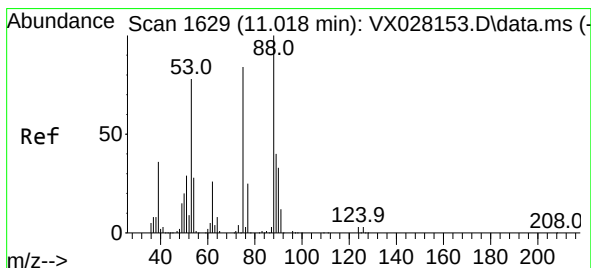
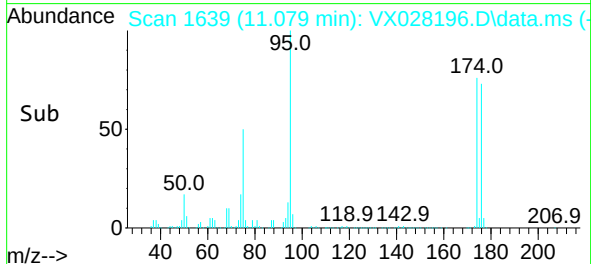
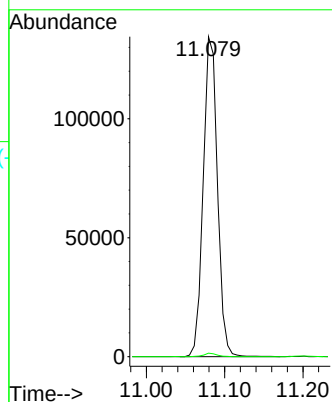
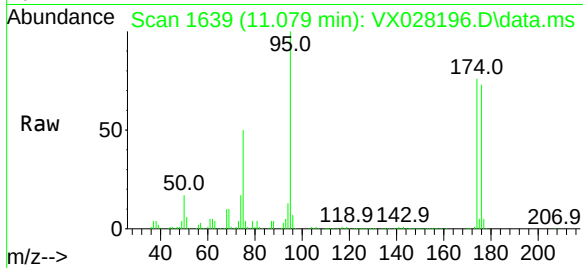




#76
1,2,3-Trichloropropane
Concen: 28.768 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

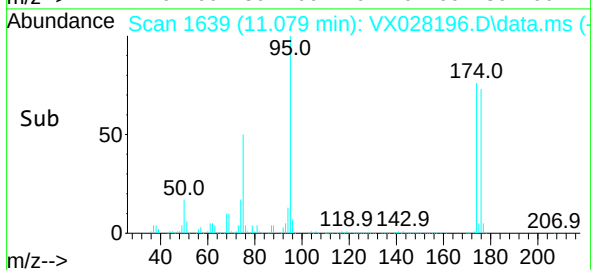
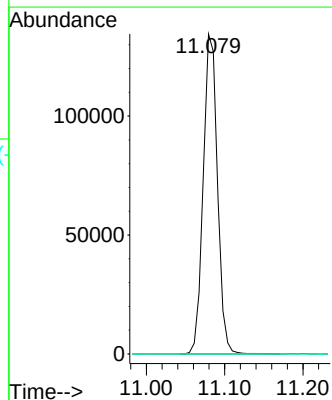
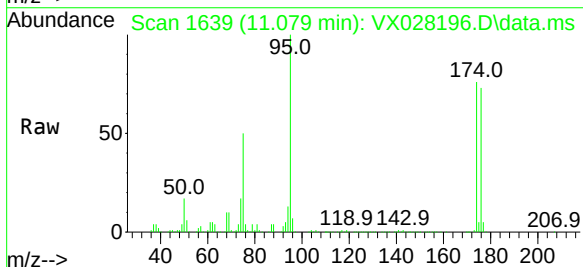
Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

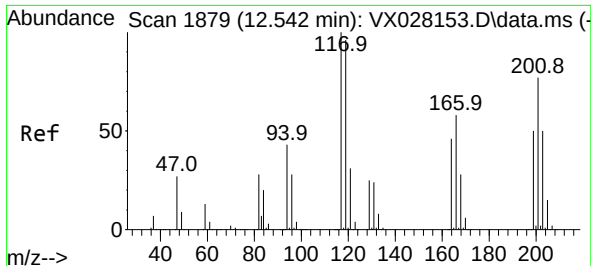
Tgt Ion: 75 Resp: 169547
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 85.491 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion: 75 Resp: 169547
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

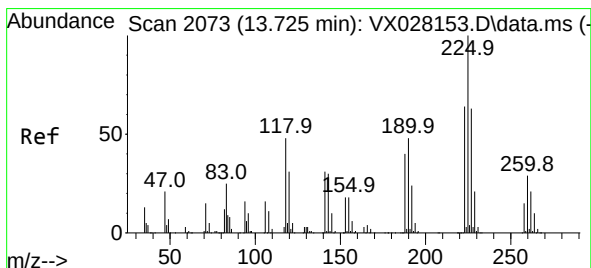
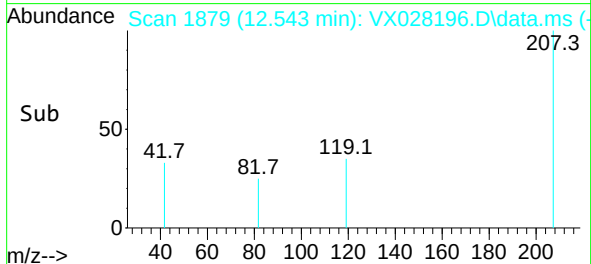
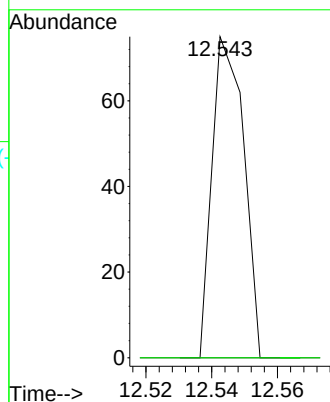
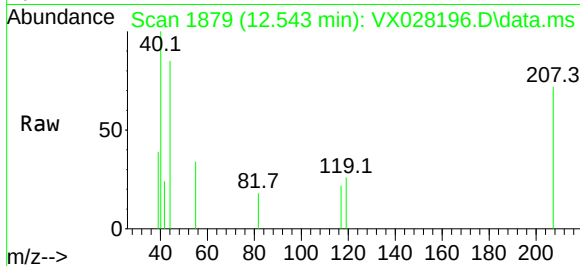




#90
Hexachloroethane
Concen: 1.828 ug/l
RT: 12.543 min Scan# 117
Delta R.T. 0.001 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Instrument :
MSVOA_X
ClientSampleId :
E14ST-B6-041522-GW

Tgt Ion:117 Resp: 50
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#



#94
Hexachlorobutadiene
Concen: 0.259 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX028196.D
Acq: 20 Apr 2022 14:39

Tgt Ion:225 Resp: 688
Ion Ratio Lower Upper
225 100
223 58.1 34.2 102.5
227 51.7 33.9 101.7

