

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028189.D
 Acq On : 20 Apr 2022 11:38
 Operator : JC/MD
 Sample : VX0420WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBL01

Quant Time: Apr 20 15:17:52 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)

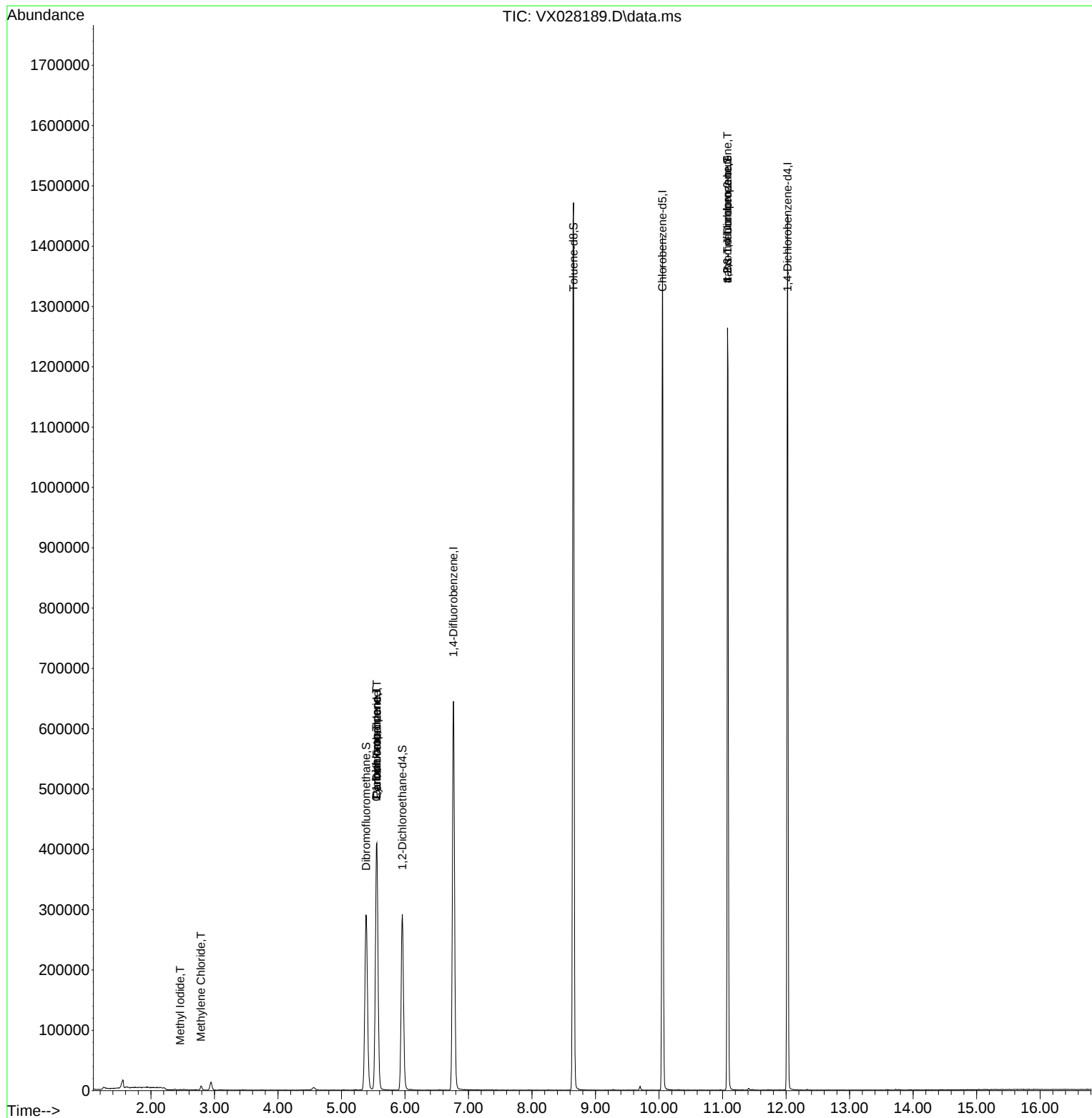
Internal Standards						
1) Pentafluorobenzene	5.556	168	402146	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	695819	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	652598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	300736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	280338	53.464	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.920%	
35) Dibromofluoromethane	5.385	113	255183	52.295	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 104.580%	
50) Toluene-d8	8.653	98	918237	48.993	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 97.980%	
62) 4-Bromofluorobenzene	11.079	95	333706	46.567	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 93.140%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	260	Below Cal	#	69
5) Bromomethane	1.617	94	1022	Below Cal		87
6) Chloroethane	1.660	64	107	Below Cal	#	43
8) Diethyl Ether	1.873	74	20	Below Cal	#	1
10) Methyl Iodide	2.459	142	897	5.415	ug/l #	94
11) Tert butyl alcohol	2.940	59	7228	Below Cal	#	72
16) Acetone	2.373	43	1691	Below Cal		94
20) Methylene Chloride	2.788	84	3105	0.798	ug/l #	91
31) Cyclohexane	5.550	56	7681	1.202	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	30211	4.746	ug/l #	50
38) Carbon Tetrachloride	5.556	117	40905	5.693	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	166634	28.154	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	166634	83.666	ug/l #	15

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

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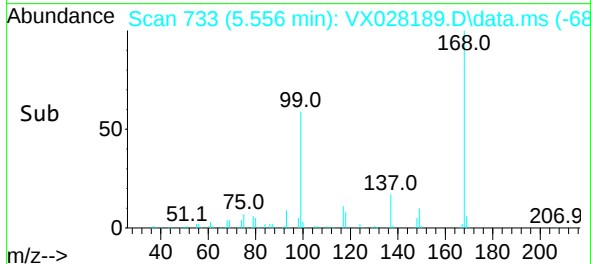
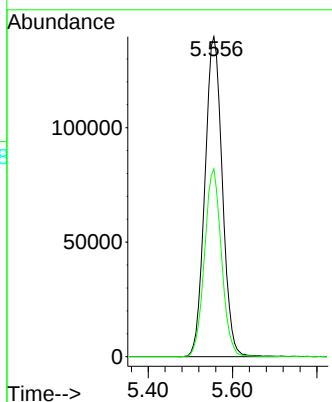
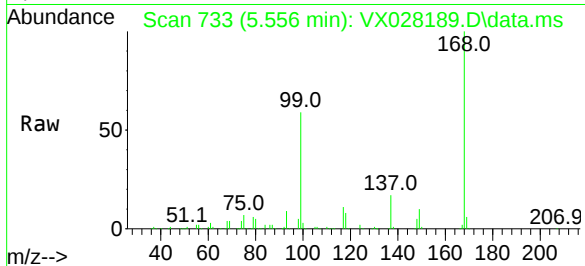




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

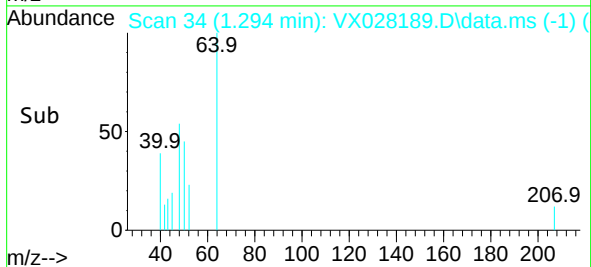
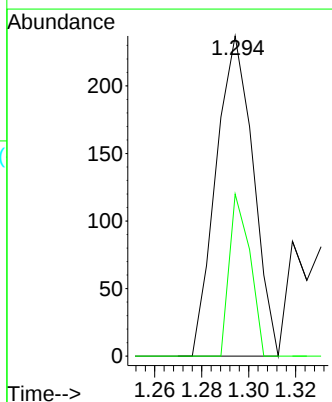
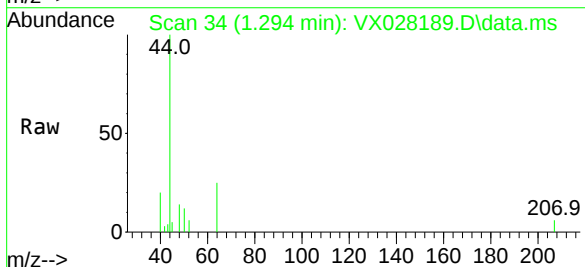
Instrument :
MSVOA_X
ClientSampleId :
VX0420WBL01

Tgt Ion:168 Resp: 402146
Ion Ratio Lower Upper
168 100
99 58.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

Tgt Ion: 50 Resp: 260
Ion Ratio Lower Upper
50 100
52 50.6 26.4 39.6#

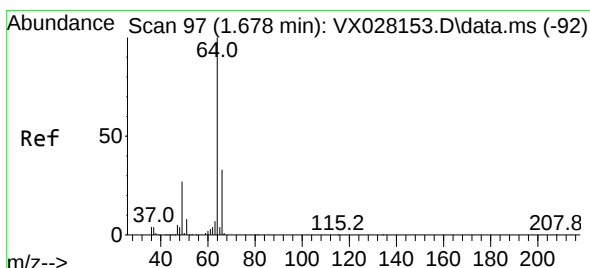
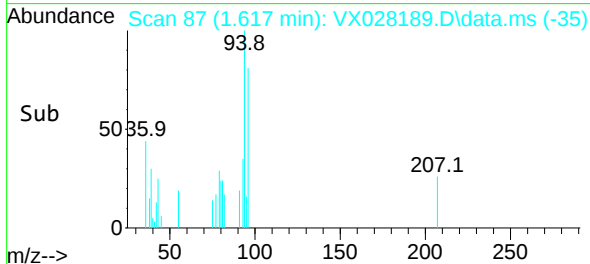
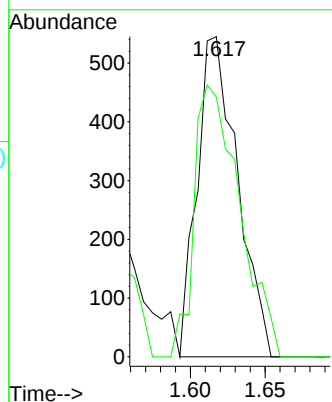
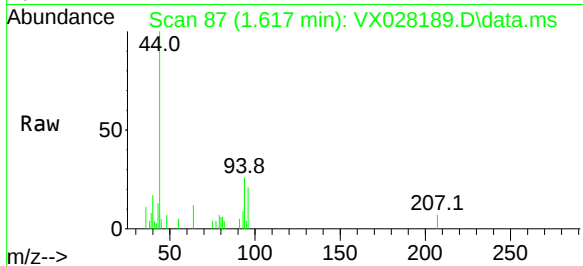




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

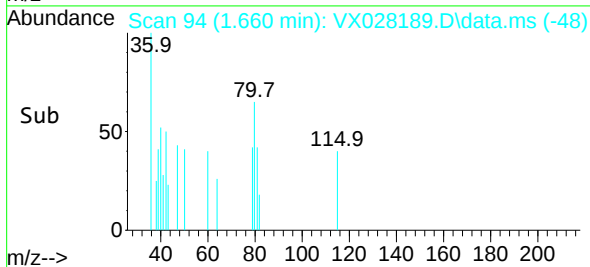
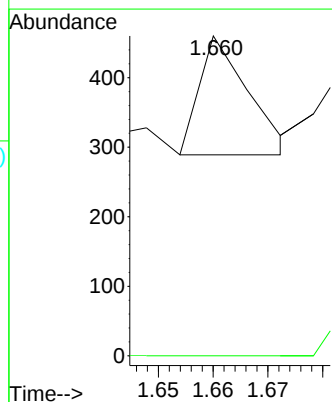
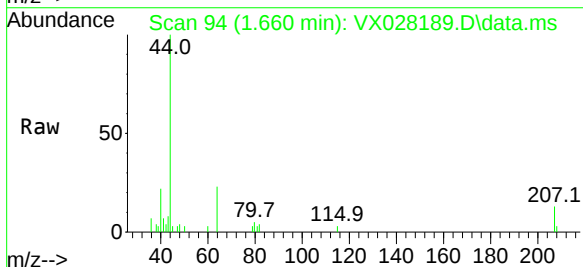
Instrument :
MSVOA_X
ClientSampleId :
VX0420WBL01

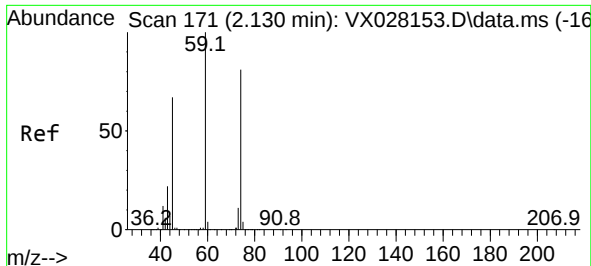
Tgt Ion: 94 Resp: 1022
Ion Ratio Lower Upper
94 100
96 81.1 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.660 min Scan# 94
Delta R.T. -0.018 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

Tgt Ion: 64 Resp: 107
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

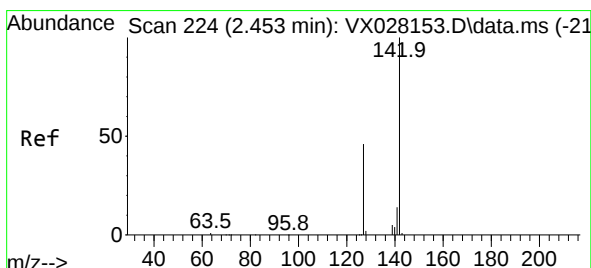
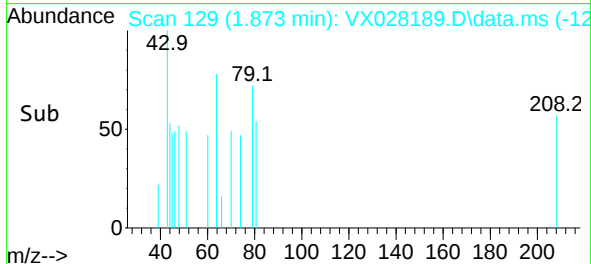
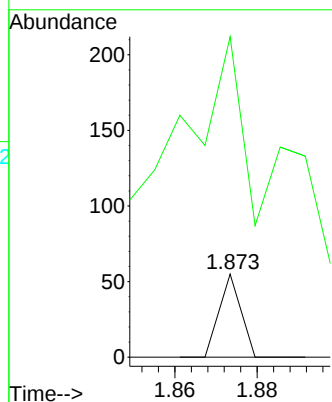
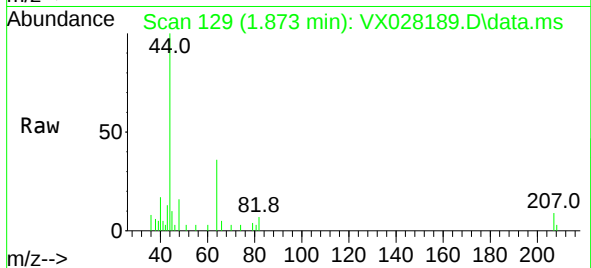




#8
Diethyl Ether
Concen: Below Cal
RT: 1.873 min Scan# 11
Delta R.T. -0.257 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

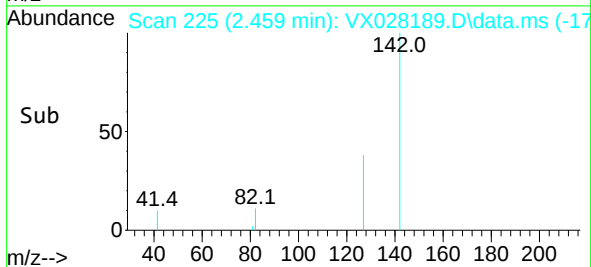
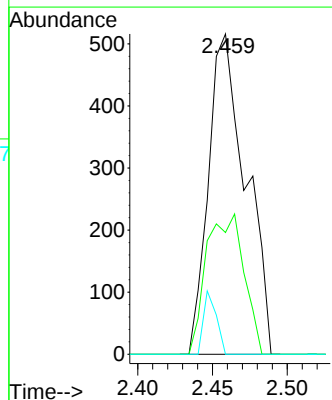
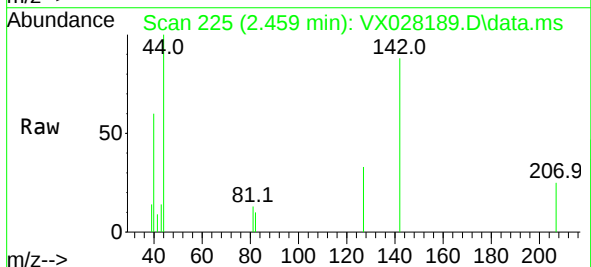
Instrument :
MSVOA_X
ClientSampleId :
VX0420WBL01

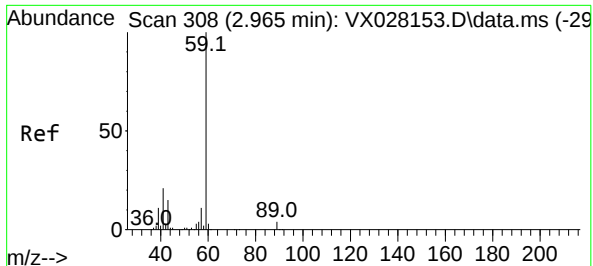
Tgt Ion: 74 Resp: 20
Ion Ratio Lower Upper
74 100
45 490.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.415 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

Tgt Ion:142 Resp: 897
Ion Ratio Lower Upper
142 100
127 43.9 33.9 50.9
141 6.7 11.4 17.2#

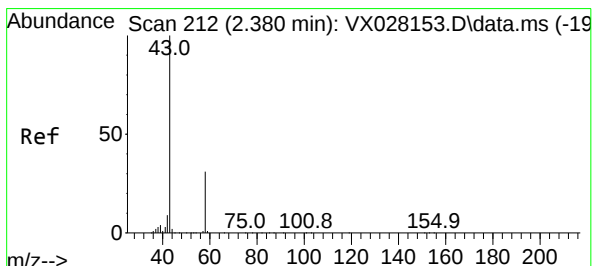
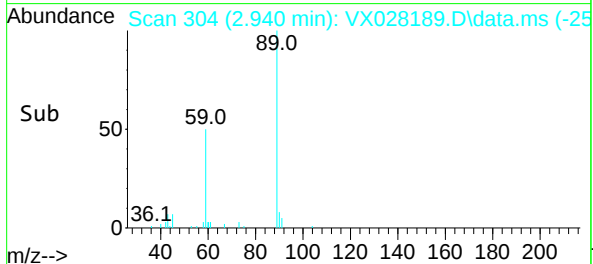
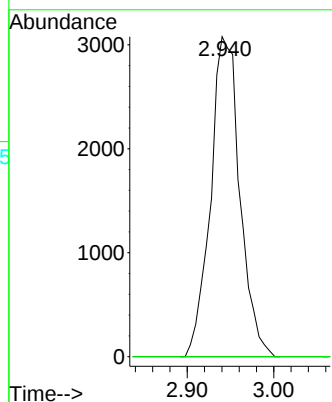
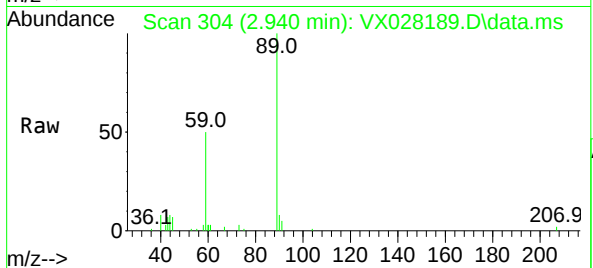




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

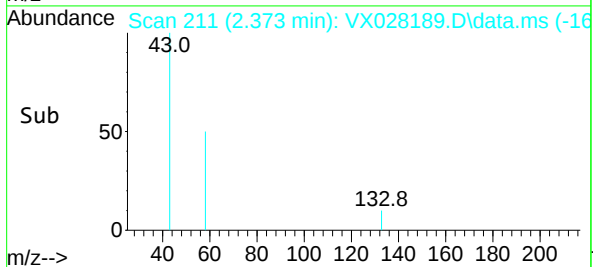
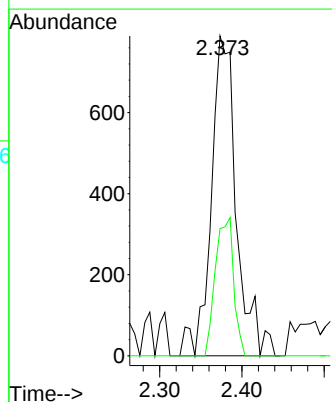
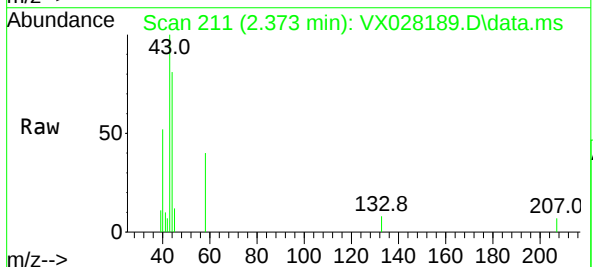
Instrument :
MSVOA_X
ClientSampleId :
VX0420WBL01

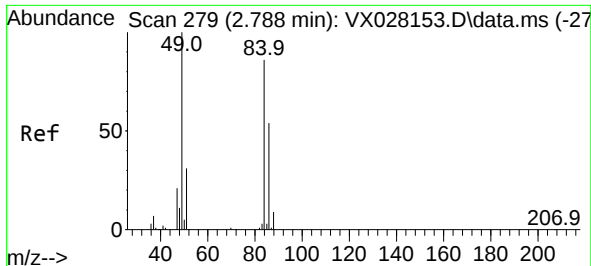
Tgt Ion: 59 Resp: 7228
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: Below Cal
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

Tgt Ion: 43 Resp: 1691
Ion Ratio Lower Upper
43 100
58 39.8 28.8 43.2

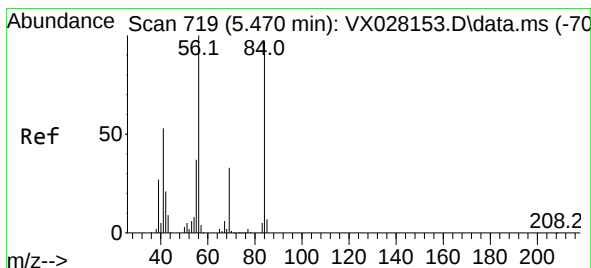
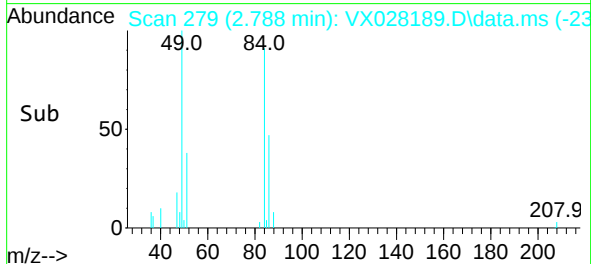
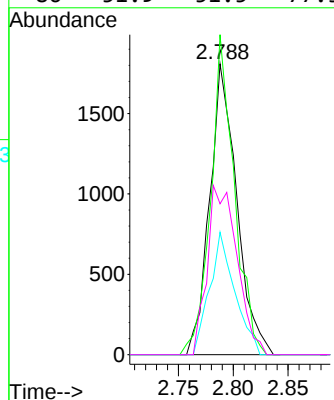
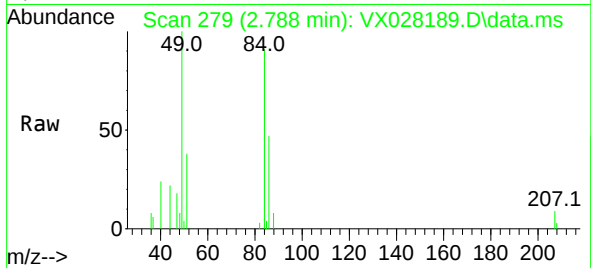




#20
Methylene Chloride
Concen: 0.798 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

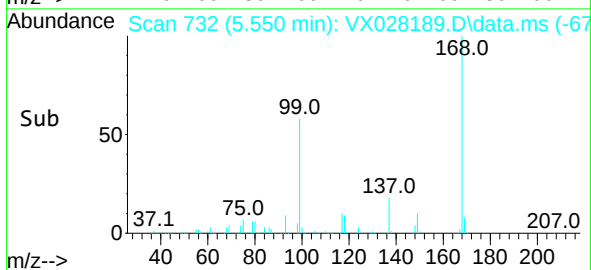
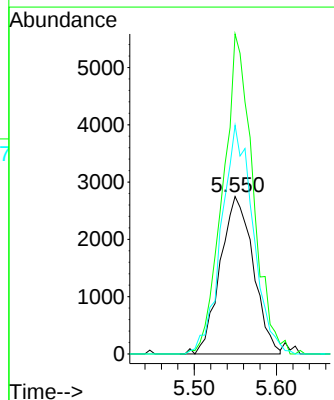
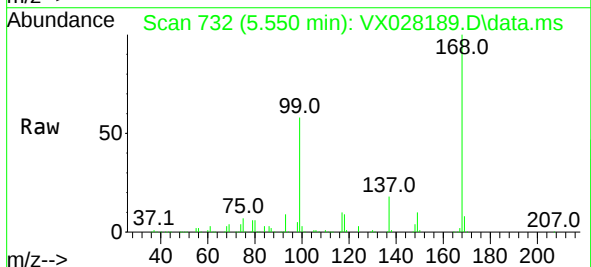
Instrument :
MSVOA_X
ClientSampleId :
VX0420WBL01

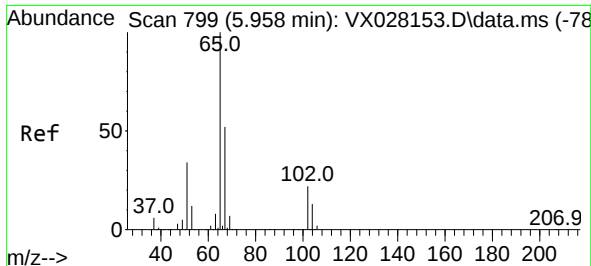
Tgt Ion:	84	Resp:	3105
Ion	Ratio	Lower	Upper
84	100		
49	110.0	85.5	128.3
51	42.0	26.6	39.8#
86	51.9	51.5	77.3



#31
Cyclohexane
Concen: 1.202 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.080 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

Tgt Ion:	56	Resp:	7681
Ion	Ratio	Lower	Upper
56	100		
69	203.2	26.7	40.1#
84	145.2	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 53.464 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028189.D

Acq: 20 Apr 2022 11:38

Instrument :

MSVOA_X

ClientSampleId :

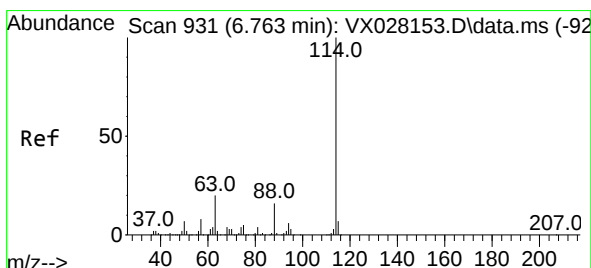
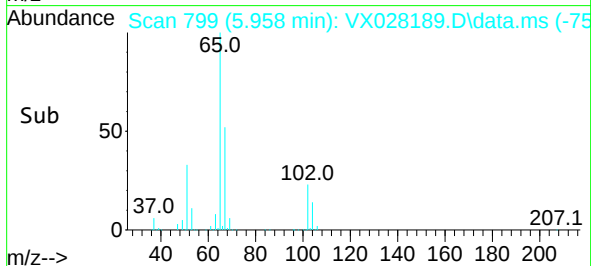
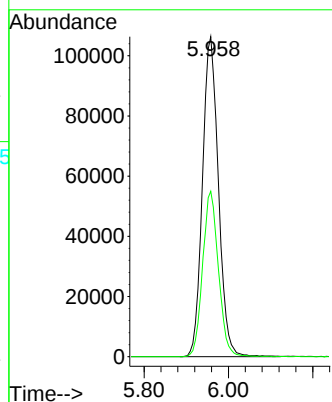
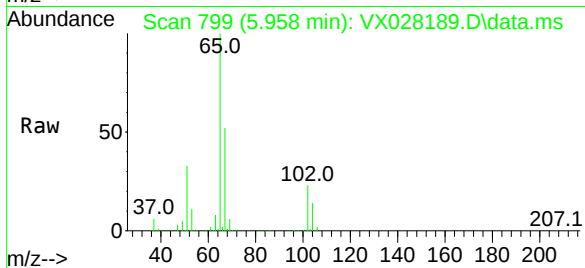
VX0420WBL01

Tgt Ion: 65 Resp: 280338

Ion Ratio Lower Upper

65 100

67 51.0 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: VX028189.D

Acq: 20 Apr 2022 11:38

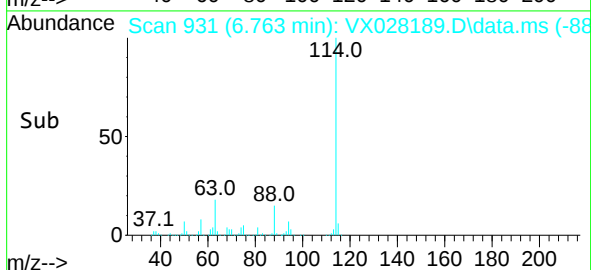
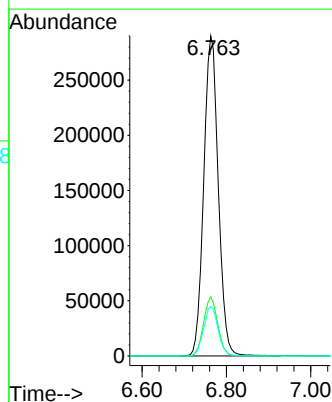
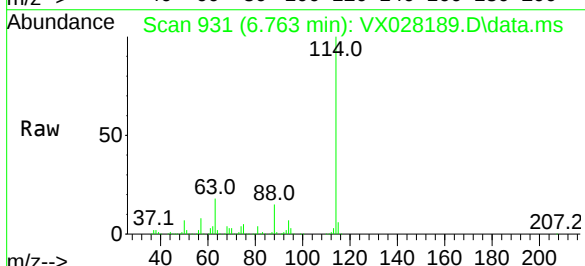
Tgt Ion: 114 Resp: 695819

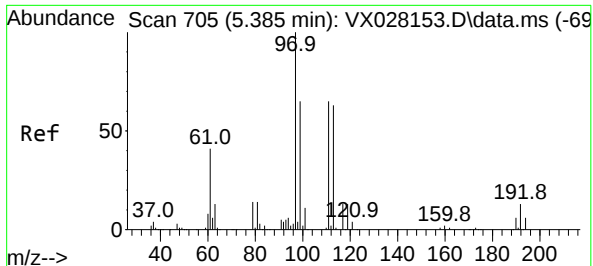
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.295 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX028189.D

Acq: 20 Apr 2022 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBL01

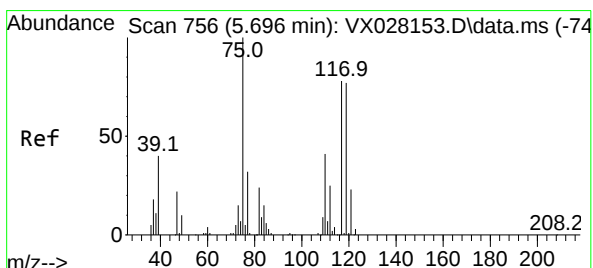
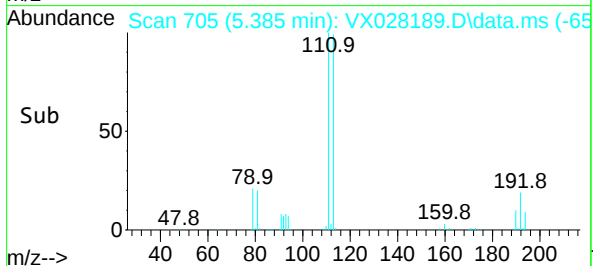
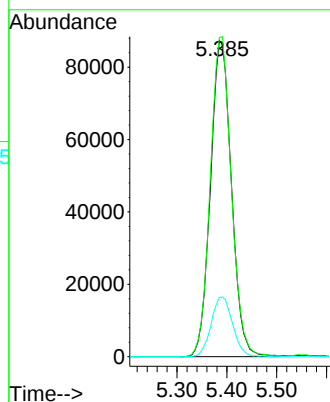
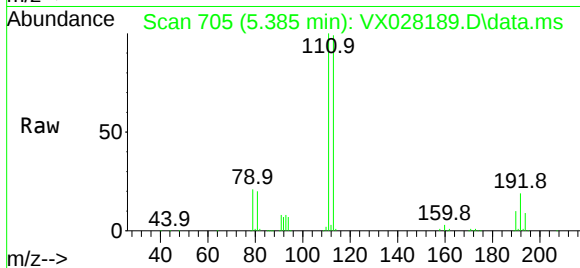
Tgt Ion:113 Resp: 255183

Ion Ratio Lower Upper

113 100

111 101.5 82.8 124.2

192 19.3 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.746 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028189.D

Acq: 20 Apr 2022 11:38

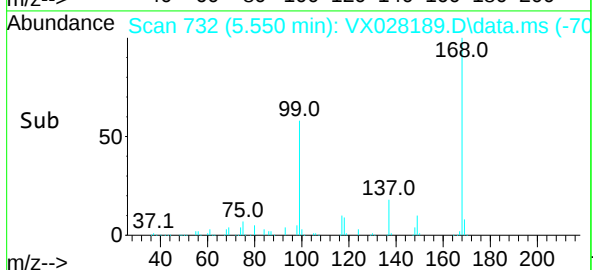
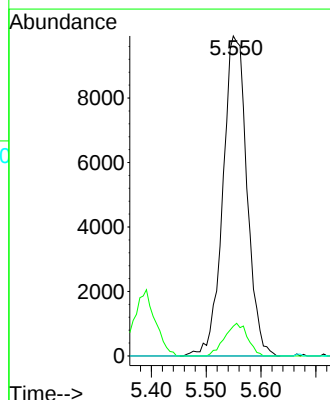
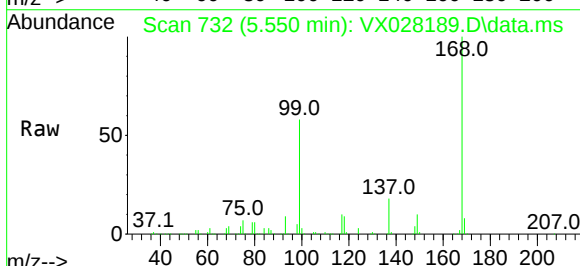
Tgt Ion: 75 Resp: 30211

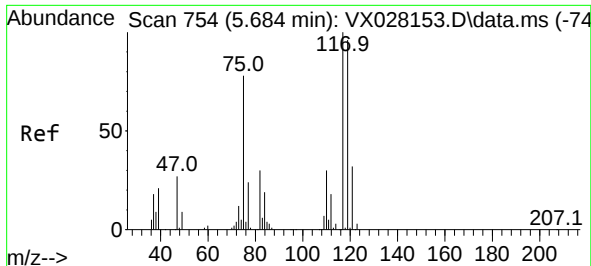
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 24.8 37.2#

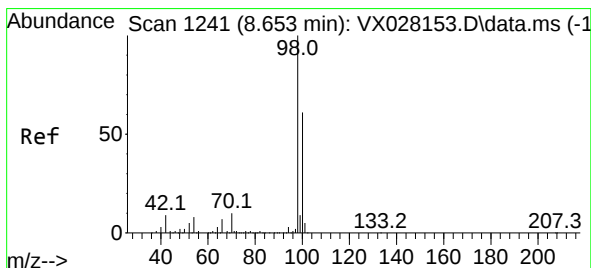
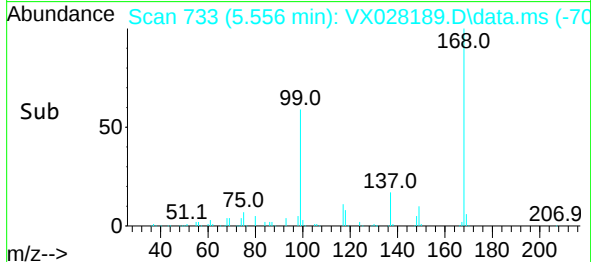
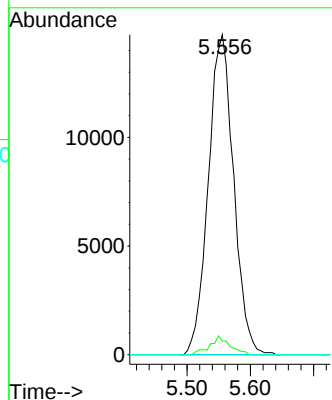
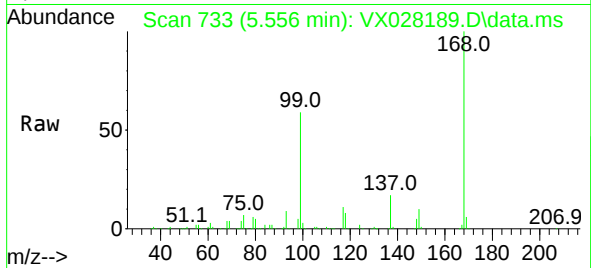




#38
Carbon Tetrachloride
Concen: 5.693 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

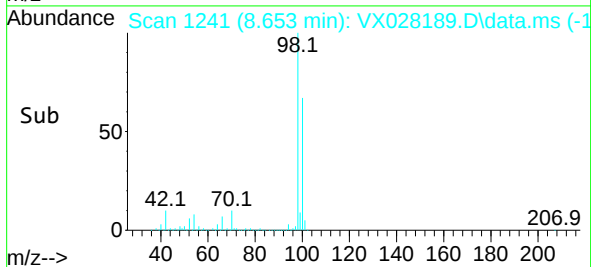
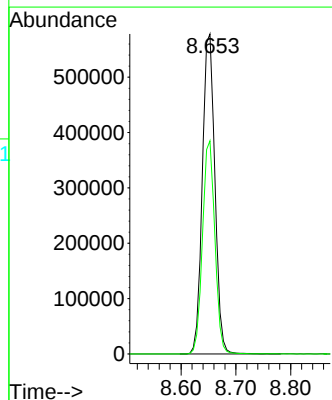
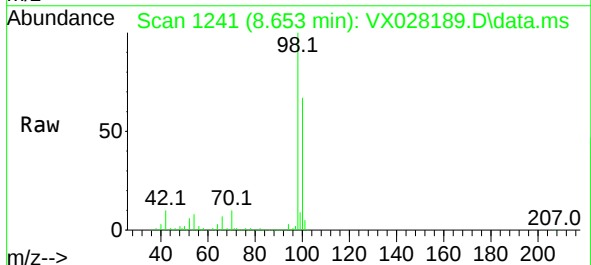
Instrument :
MSVOA_X
ClientSampleId :
VX0420WBL01

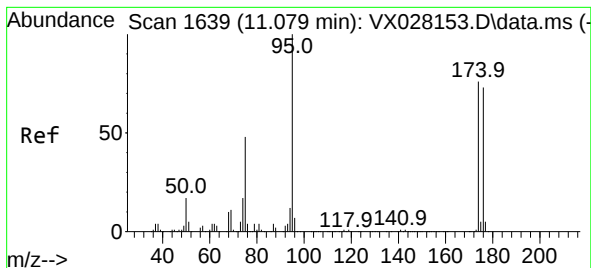
Tgt Ion:117 Resp: 40905
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.993 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX028189.D
Acq: 20 Apr 2022 11:38

Tgt Ion: 98 Resp: 918237
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 46.567 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028189.D

Acq: 20 Apr 2022 11:38

Instrument :

MSVOA_X

ClientSampleId :

VX0420WBL01

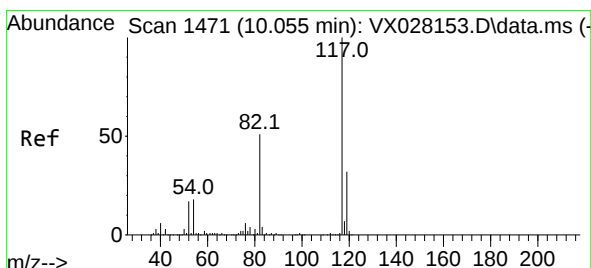
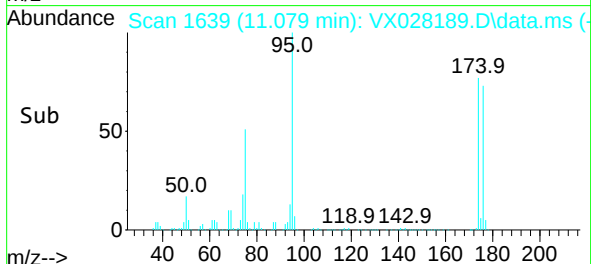
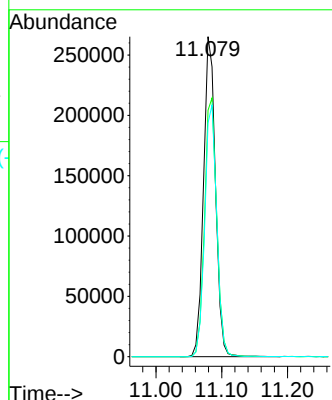
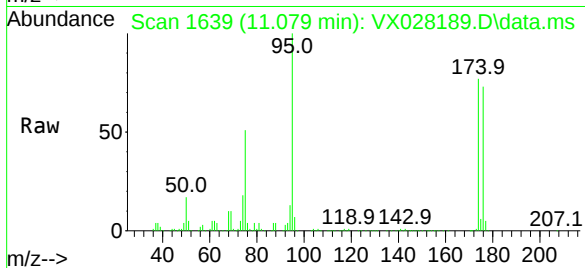
Tgt Ion: 95 Resp: 333706

Ion Ratio Lower Upper

95 100

174 82.7 0.0 163.0

176 79.6 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: VX028189.D

Acq: 20 Apr 2022 11:38

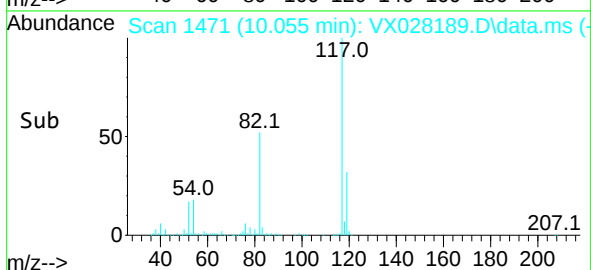
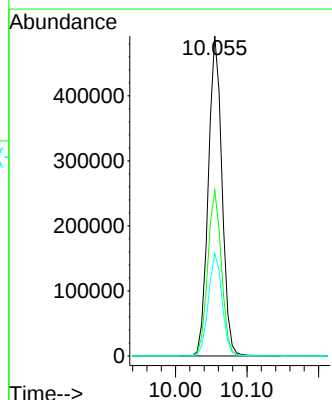
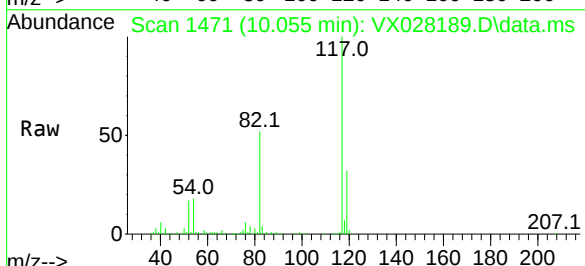
Tgt Ion: 117 Resp: 652598

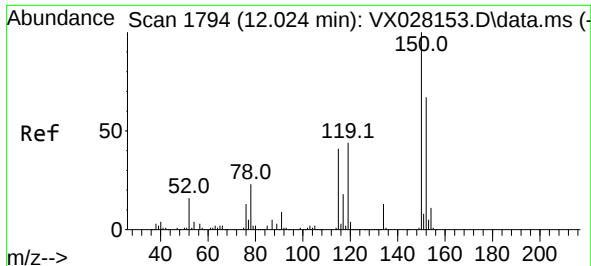
Ion Ratio Lower Upper

117 100

82 51.8 41.8 62.8

119 32.1 24.8 37.2

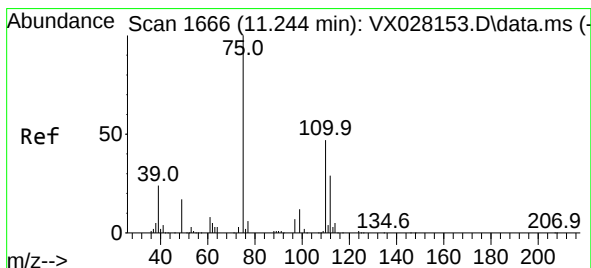
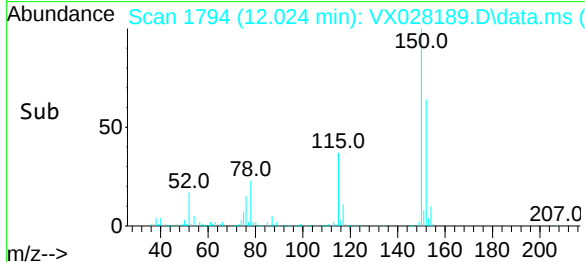
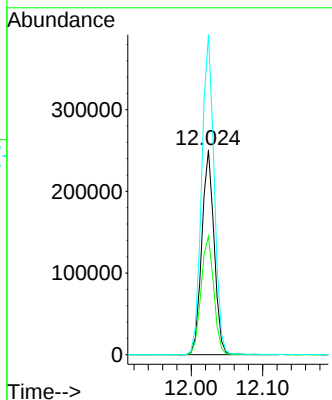
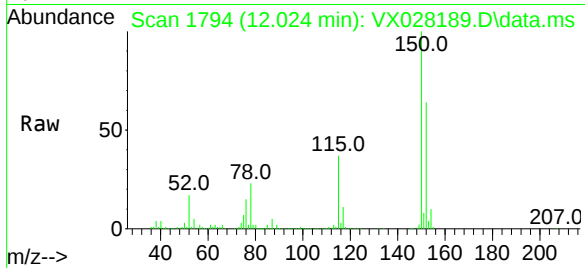




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028189.D
 Acq: 20 Apr 2022 11:38

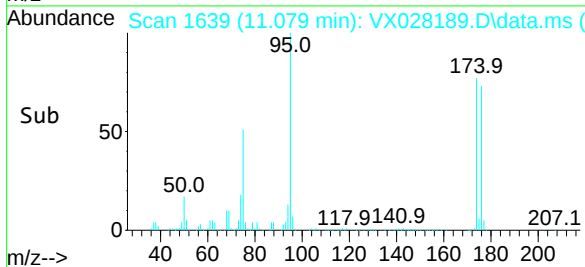
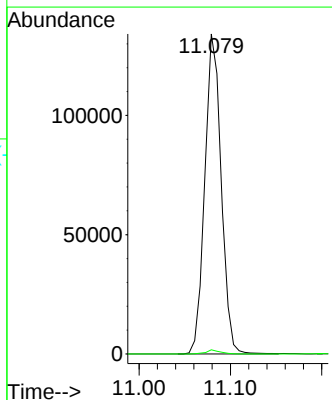
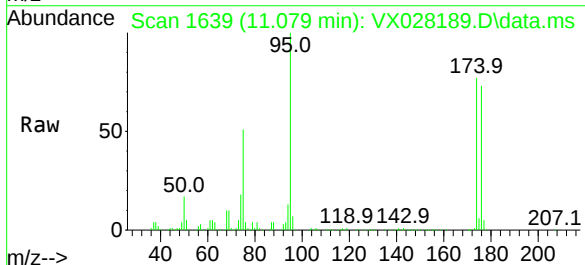
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBL01

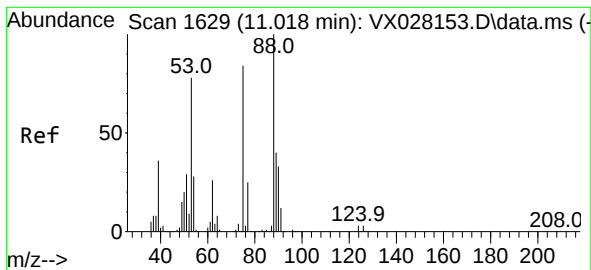
Tgt Ion:152 Resp: 300736
 Ion Ratio Lower Upper
 152 100
 115 59.3 37.5 112.7
 150 158.0 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.154 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028189.D
 Acq: 20 Apr 2022 11:38

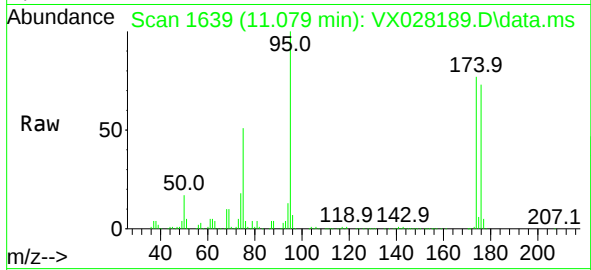
Tgt Ion: 75 Resp: 166634
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.666 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028189.D
 Acq: 20 Apr 2022 11:38

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0420WBL01



Tgt Ion: 75 Resp: 166634
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

