

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028238.D
 Acq On : 21 Apr 2022 14:04
 Operator : JC/MD
 Sample : N2451-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB220415

Quant Time: Apr 22 06:11:59 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)

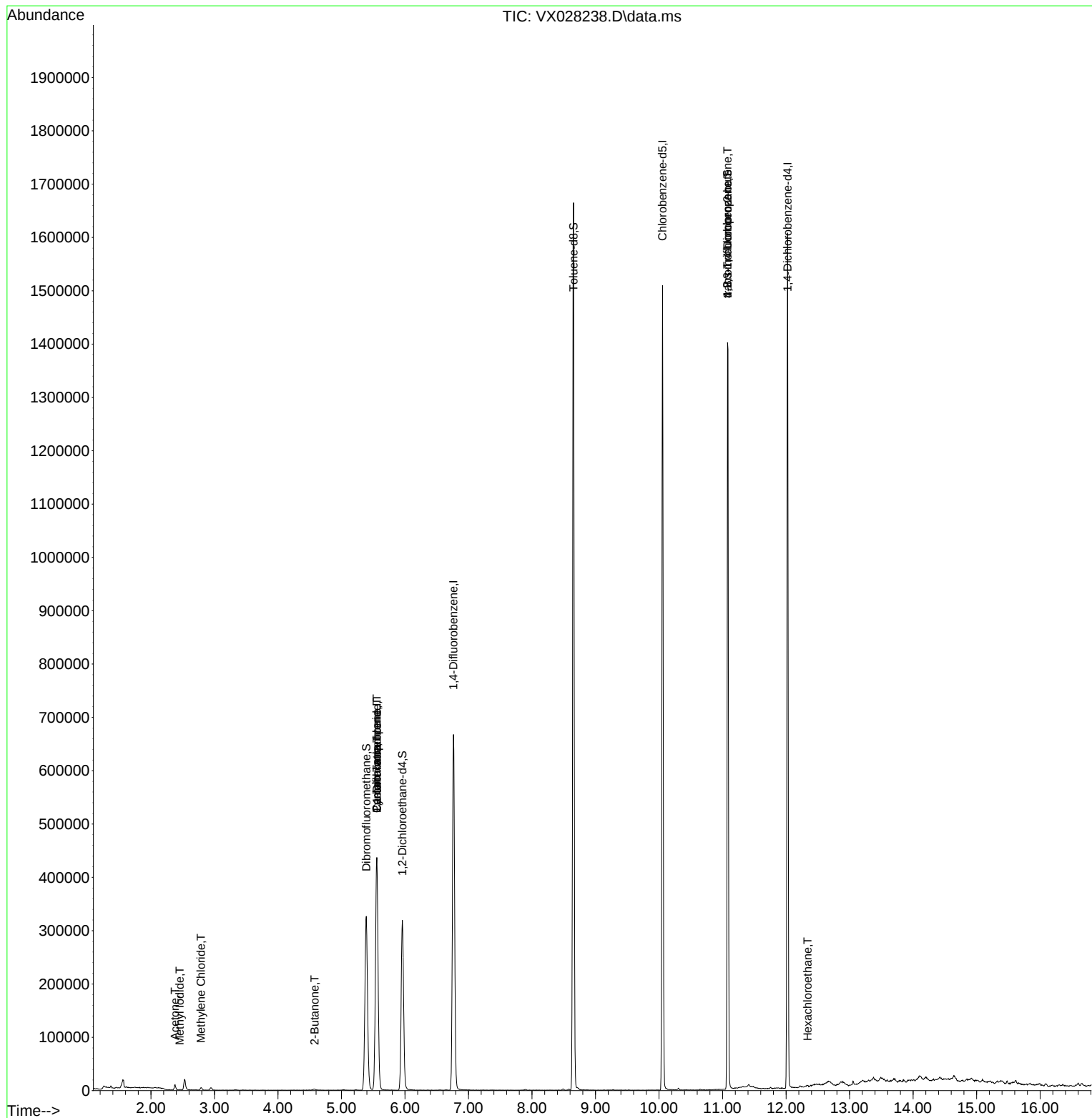
Internal Standards						
1) Pentafluorobenzene	5.556	168	437702	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	734476	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	702500	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	342736	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	305166	53.471	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 106.940%	
35) Dibromofluoromethane	5.391	113	281702	54.691	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.380%	
50) Toluene-d8	8.653	98	1028901	52.009	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 104.020%	
62) 4-Bromofluorobenzene	11.079	95	378746	50.070	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 100.140%	
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	395	Below Cal		99
5) Bromomethane	1.611	94	1017	Below Cal		95
6) Chloroethane	1.685	64	280	Below Cal	#	77
8) Diethyl Ether	1.855	74	50	Below Cal	#	1
10) Methyl Iodide	2.453	142	1034	5.425	ug/l #	93
11) Tert butyl alcohol	2.940	59	2649	Below Cal	#	74
16) Acetone	2.380	43	10593	4.707	ug/l	95
20) Methylene Chloride	2.788	84	2576	0.608	ug/l #	90
25) 2-Butanone	4.574	43	2445	0.723	ug/l #	85
31) Cyclohexane	5.556	56	7964	1.145	ug/l #	3
36) 1,1-Dichloropropene	5.556	75	29913	4.452	ug/l #	50
38) Carbon Tetrachloride	5.556	117	42876	5.653	ug/l #	14
76) 1,2,3-Trichloropropane	11.079	75	186884	27.706	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	186884	82.335	ug/l #	15
90) Hexachloroethane	12.341	117	46	1.825	ug/l	67

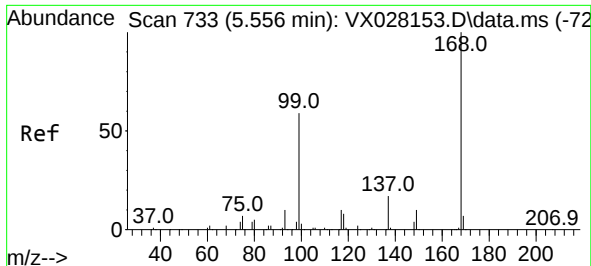
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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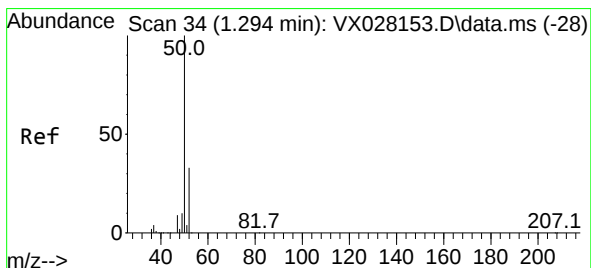
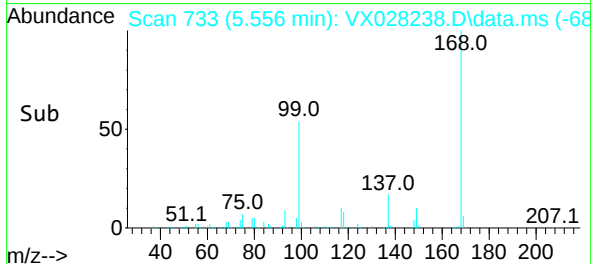
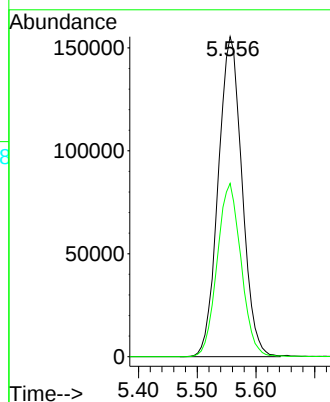
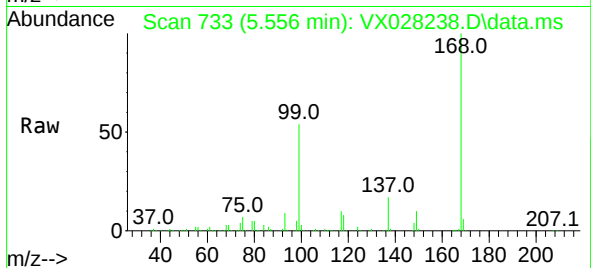




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

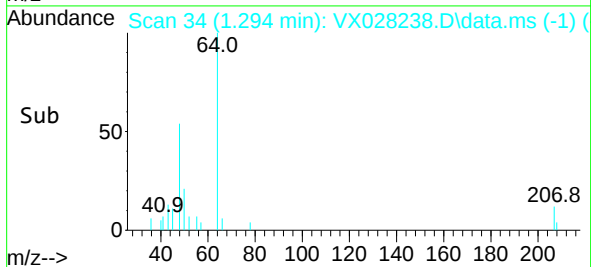
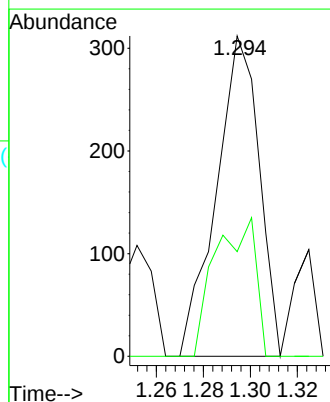
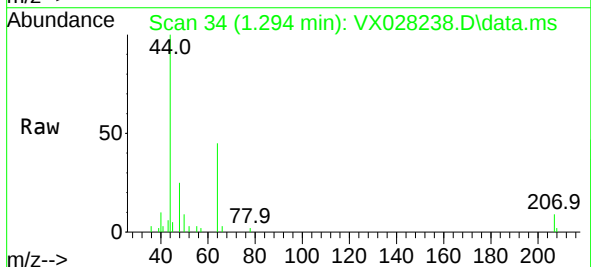
Instrument :
MSVOA_X
ClientSampleId :
FB220415

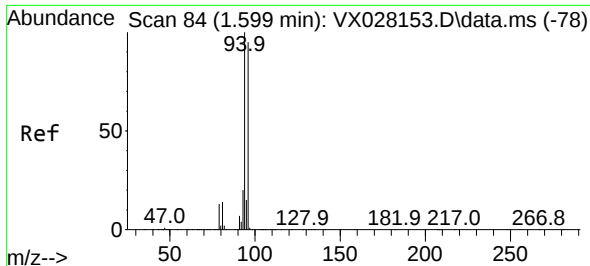
Tgt Ion:168 Resp: 437702
Ion Ratio Lower Upper
168 100
99 54.1 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

Tgt Ion: 50 Resp: 395
Ion Ratio Lower Upper
50 100
52 32.7 26.4 39.6

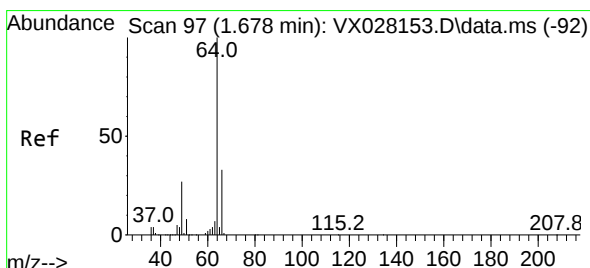
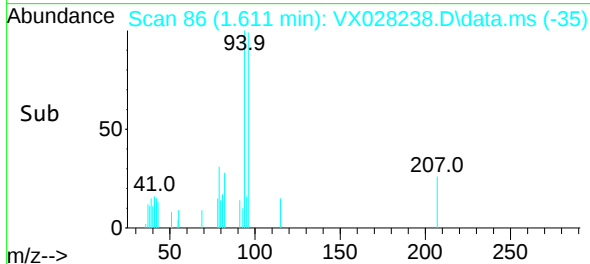
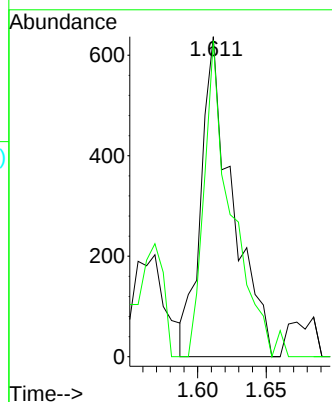
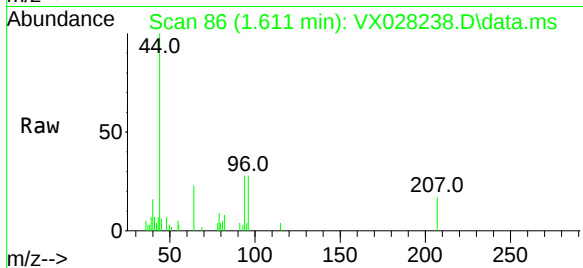




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

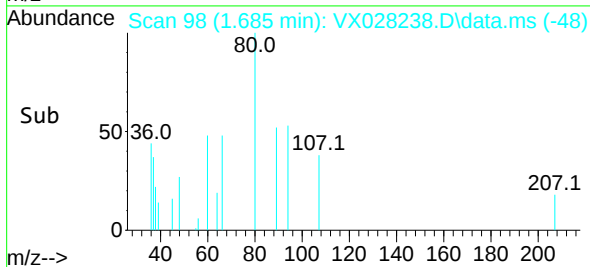
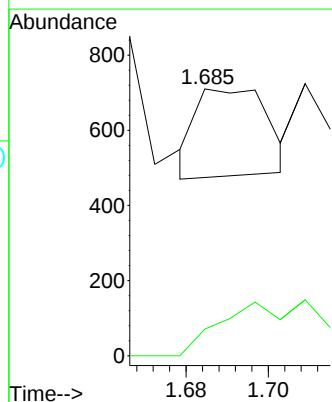
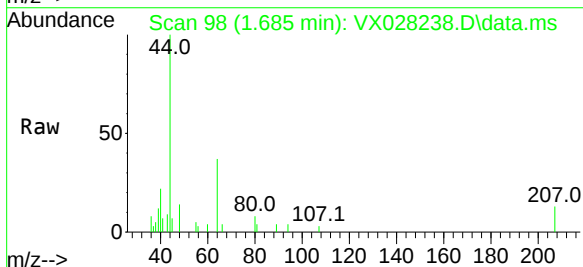
Instrument :
MSVOA_X
ClientSampleId :
FB220415

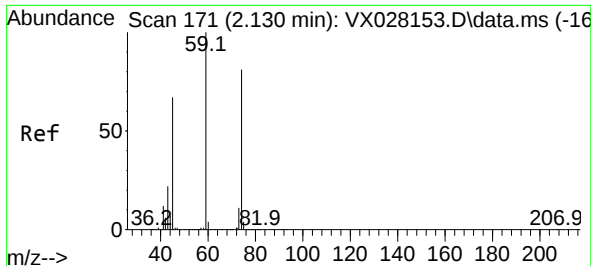
Tgt Ion: 94 Resp: 1017
Ion Ratio Lower Upper
94 100
96 98.7 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

Tgt Ion: 64 Resp: 280
Ion Ratio Lower Upper
64 100
66 44.1 25.3 37.9#

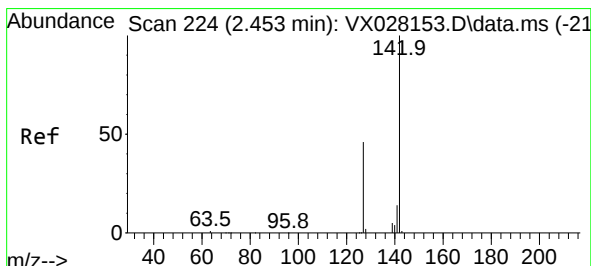
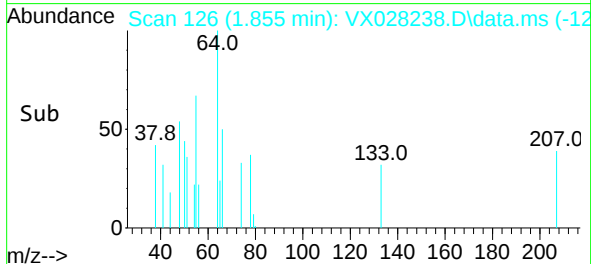
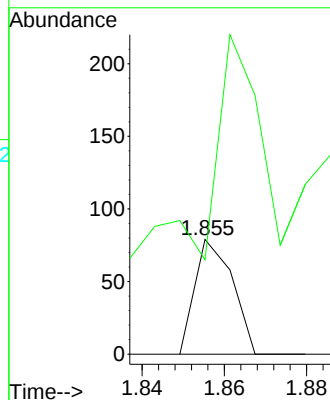
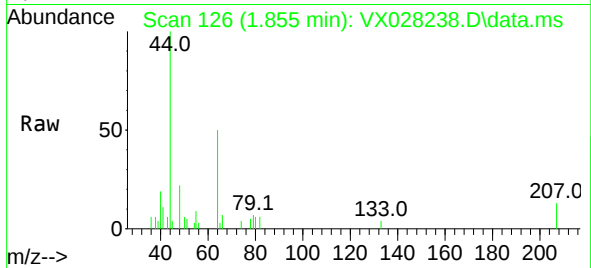




#8
Diethyl Ether
Concen: Below Cal
RT: 1.855 min Scan# 11
Delta R.T. -0.275 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

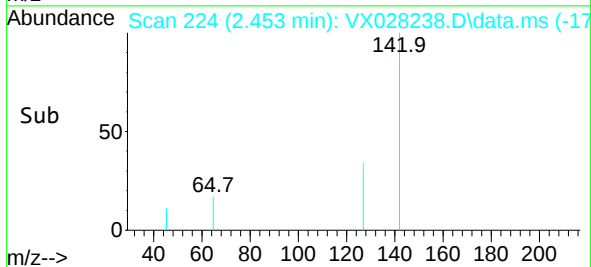
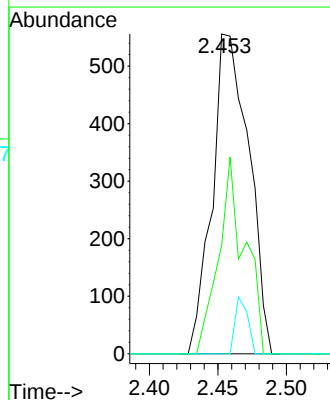
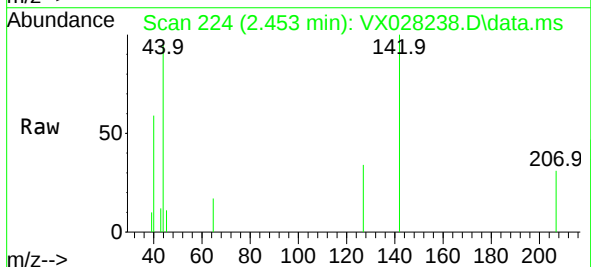
Instrument :
MSVOA_X
ClientSampleId :
FB220415

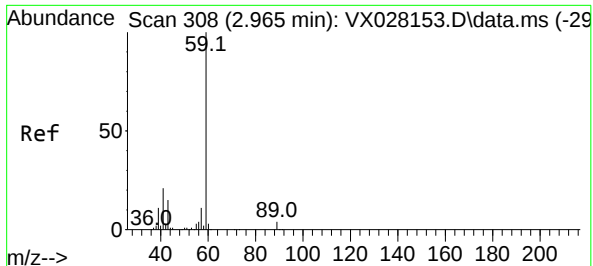
Tgt Ion: 74 Resp: 50
Ion Ratio Lower Upper
74 100
45 186.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.425 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

Tgt Ion:142 Resp: 1034
Ion Ratio Lower Upper
142 100
127 43.8 33.9 50.9
141 6.1 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: VX028238.D

Acq: 21 Apr 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

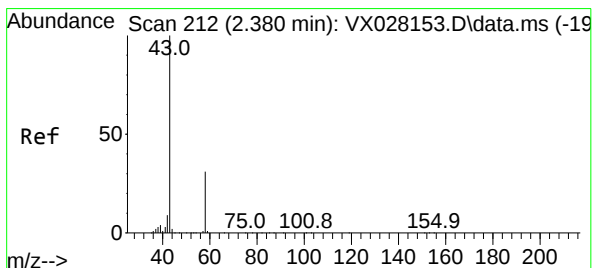
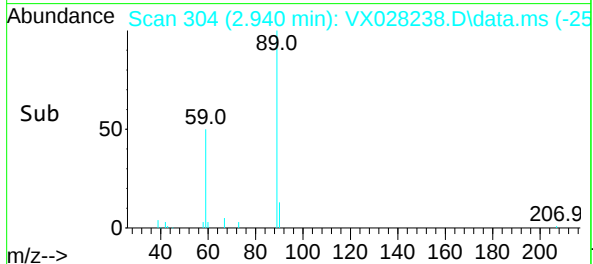
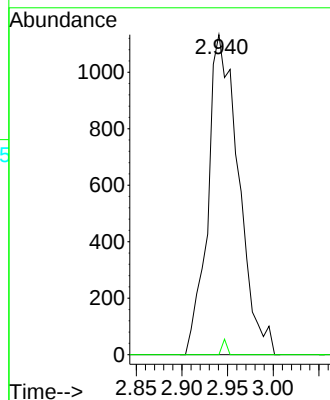
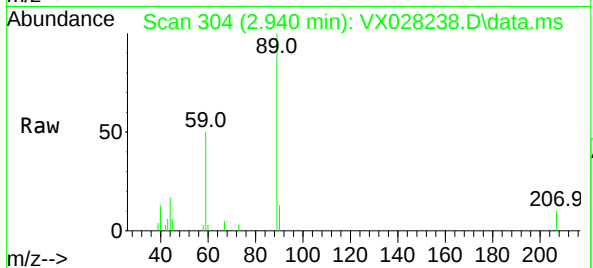
FB220415

Tgt Ion: 59 Resp: 2649

Ion Ratio Lower Upper

59 100

57 0.8 8.3 12.5#



#16

Acetone

Concen: 4.707 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028238.D

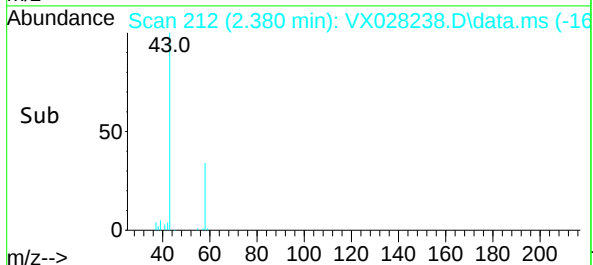
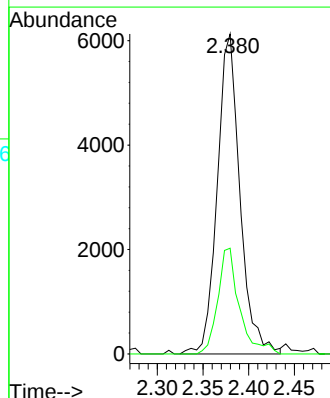
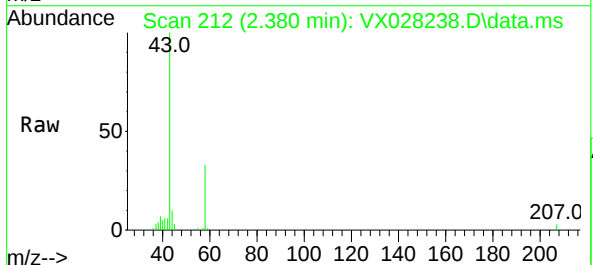
Acq: 21 Apr 2022 14:04

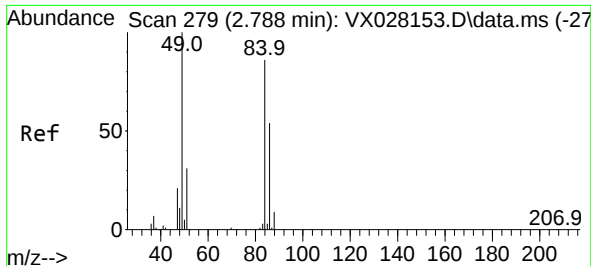
Tgt Ion: 43 Resp: 10593

Ion Ratio Lower Upper

43 100

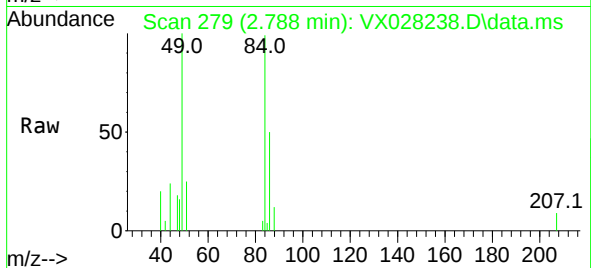
58 33.0 28.8 43.2



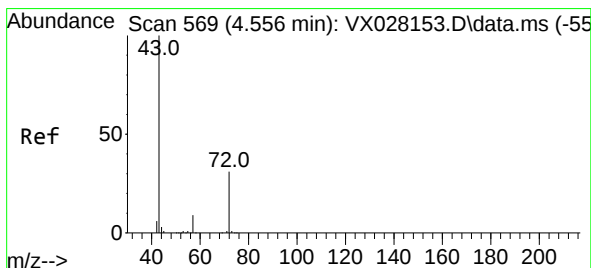
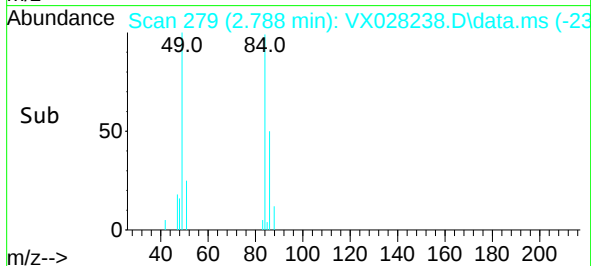
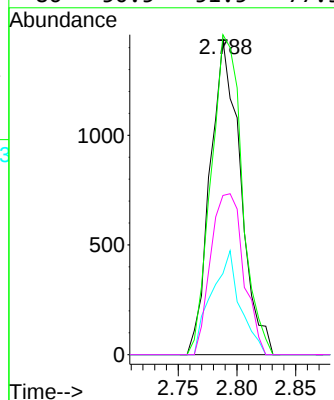


#20
Methylene Chloride
Concen: 0.608 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

Instrument :
MSVOA_X
ClientSampleId :
FB220415

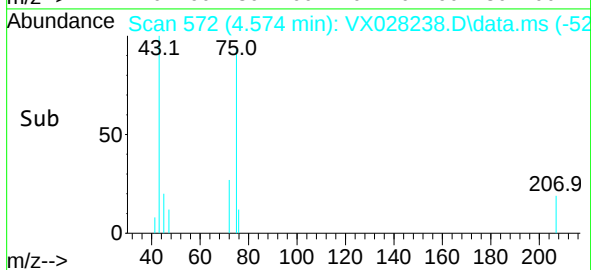
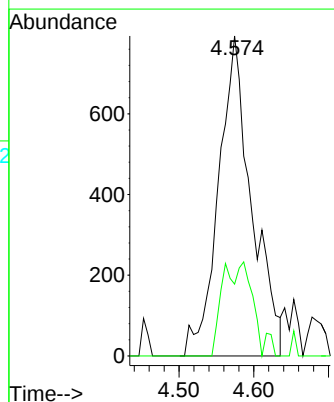
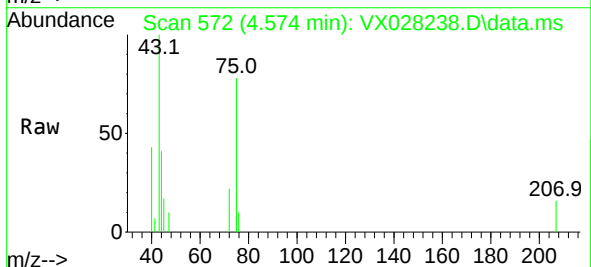


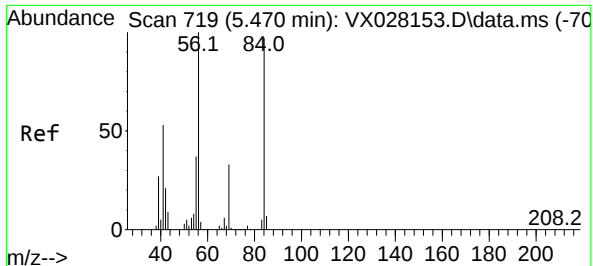
Tgt Ion:	84	Resp:	2576
Ion	Ratio	Lower	Upper
84	100		
49	101.5	85.5	128.3
51	25.7	26.6	39.8#
86	50.5	51.5	77.3#



#25
2-Butanone
Concen: 0.723 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

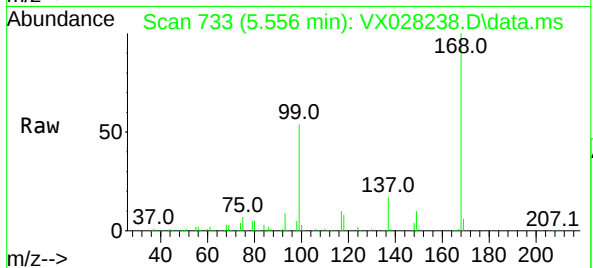
Tgt Ion:	43	Resp:	2445
Ion	Ratio	Lower	Upper
43	100		
72	22.4	24.4	36.6#



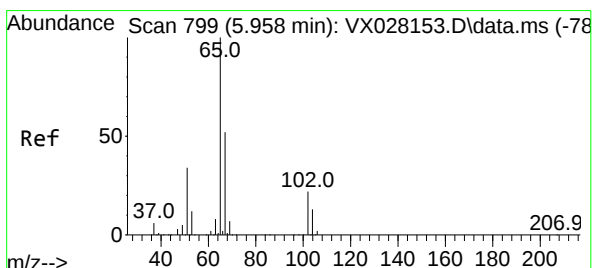
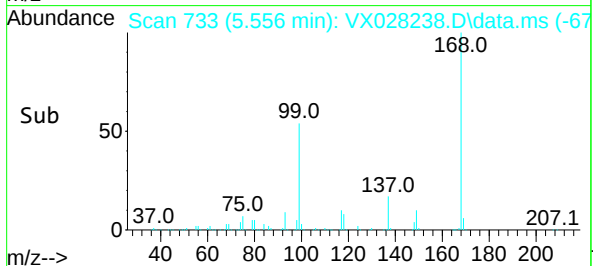
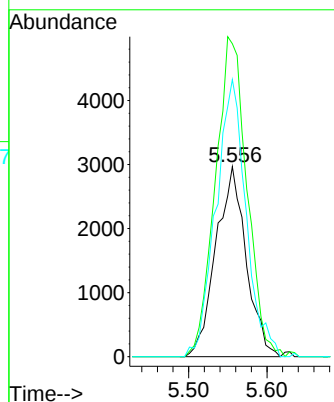


#31
Cyclohexane
Concen: 1.145 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

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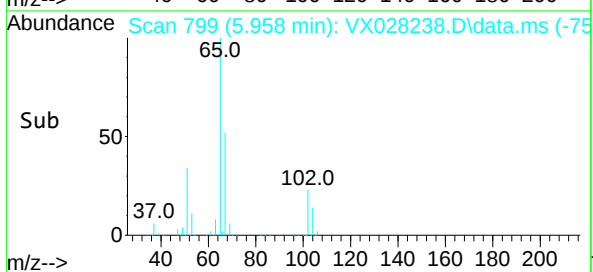
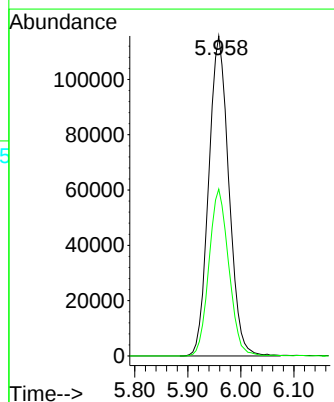
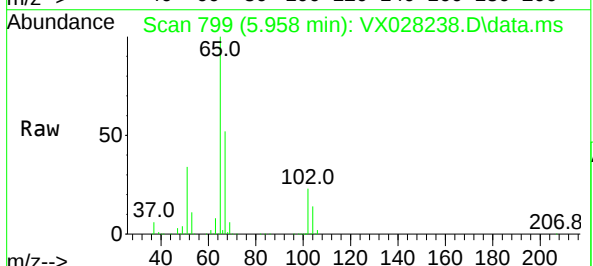


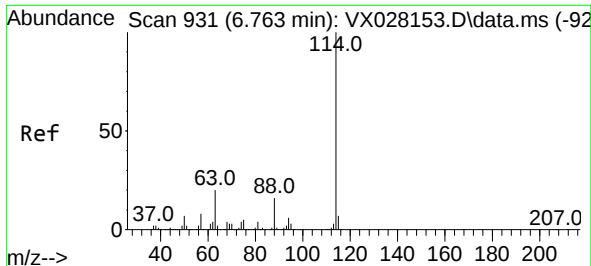
Tgt Ion: 56 Resp: 7964
Ion Ratio Lower Upper
56 100
69 164.7 26.7 40.1#
84 145.8 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 53.471 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

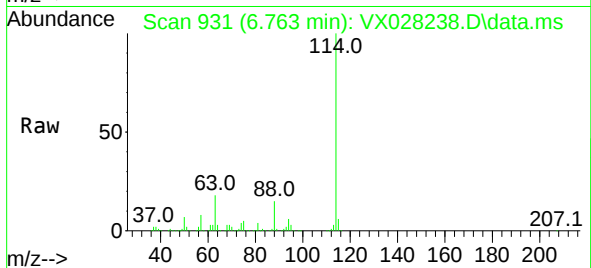
Tgt Ion: 65 Resp: 305166
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4



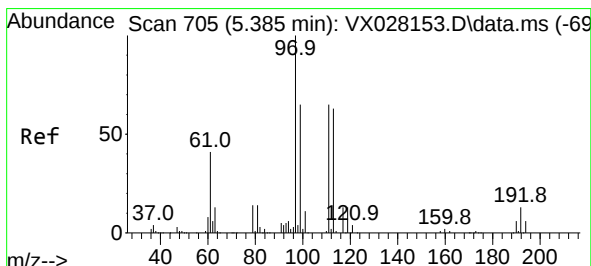
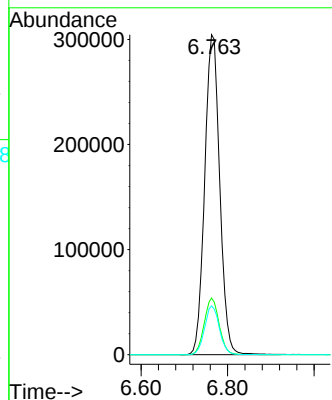
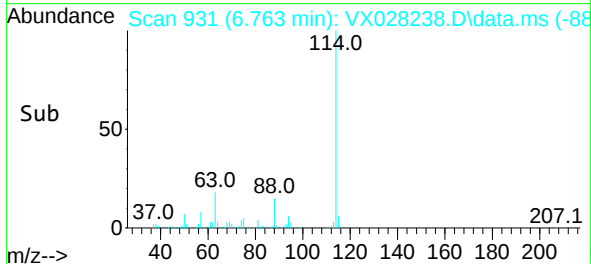


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

Instrument :
MSVOA_X
ClientSampleId :
FB220415

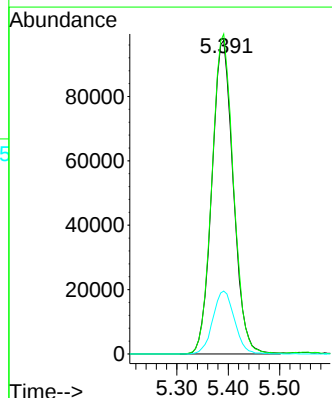
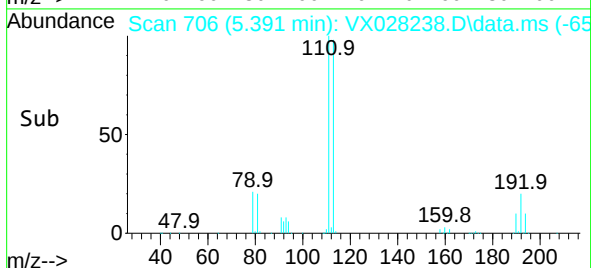
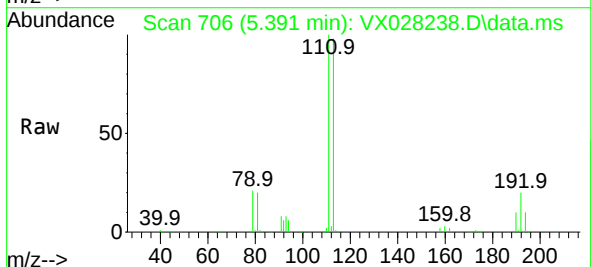


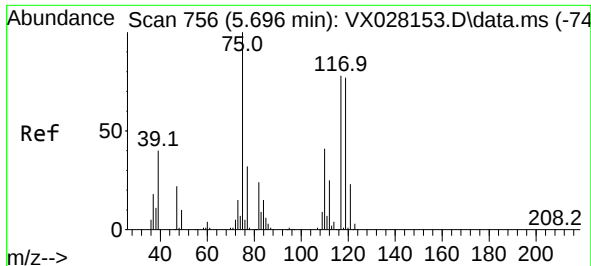
Tgt Ion:114 Resp: 734476
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.8
88 15.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.691 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

Tgt Ion:113 Resp: 281702
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 20.3 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.452 ug/l

RT: 5.556 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX028238.D

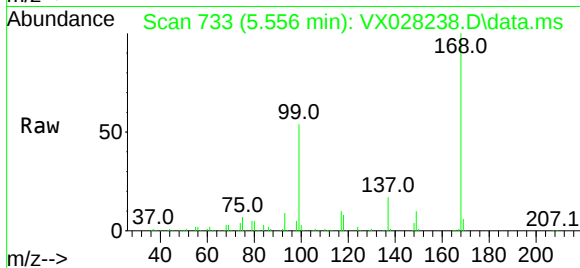
Acq: 21 Apr 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

FB220415



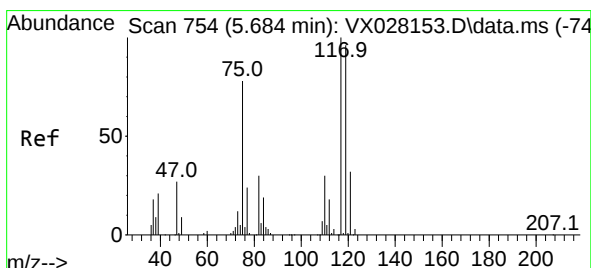
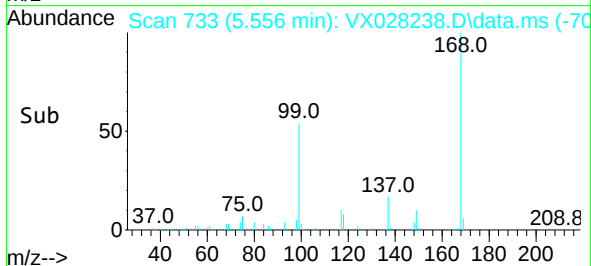
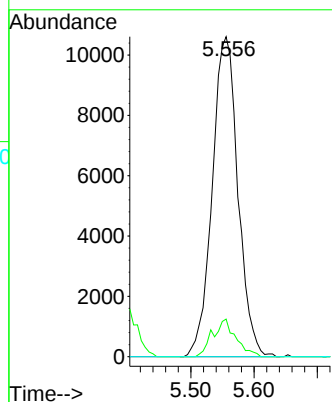
Tgt Ion: 75 Resp: 29913

Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.8#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.653 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX028238.D

Acq: 21 Apr 2022 14:04

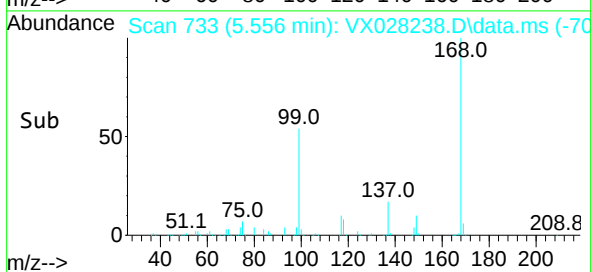
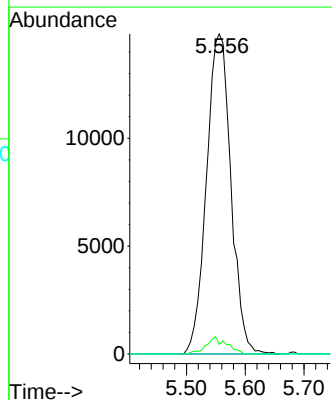
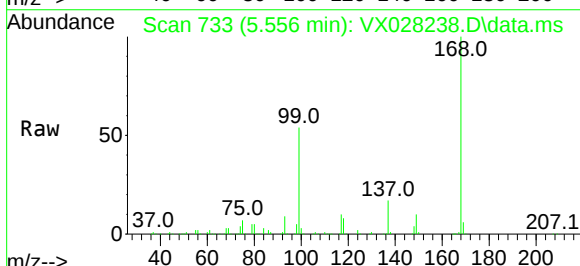
Tgt Ion: 117 Resp: 42876

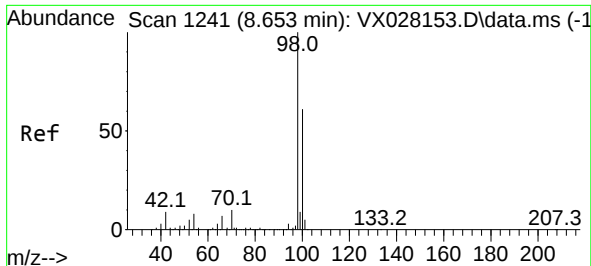
Ion Ratio Lower Upper

117 100

119 3.0 77.3 115.9#

121 0.0 24.2 36.2#

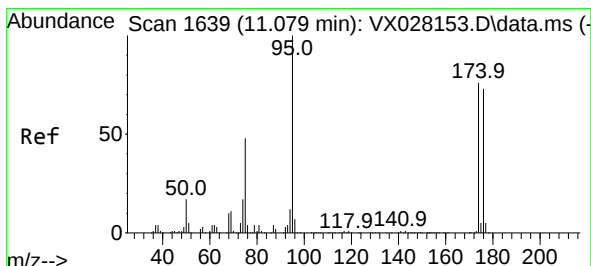
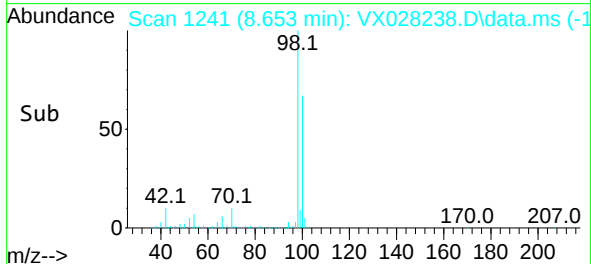
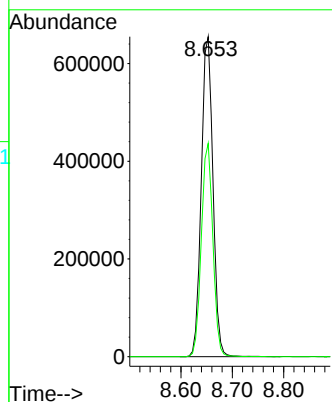
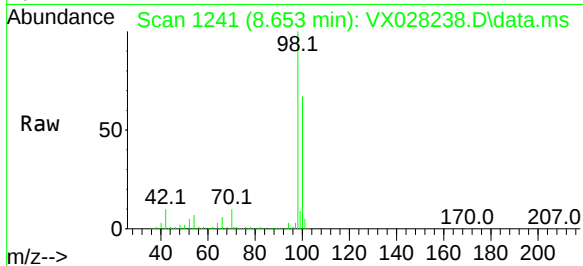




#50
Toluene-d8
Concen: 52.009 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

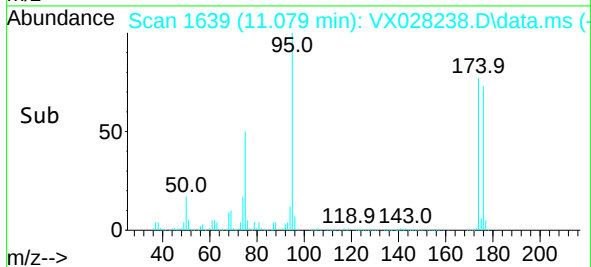
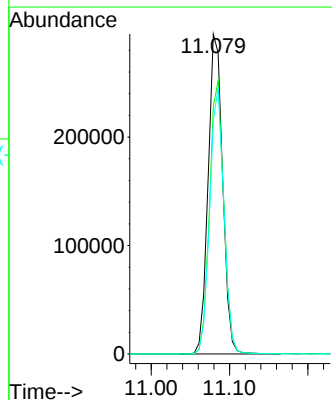
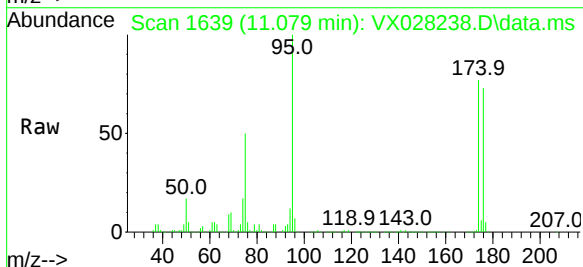
Instrument :
MSVOA_X
ClientSampleId :
FB220415

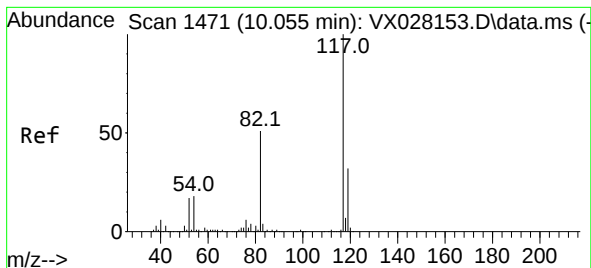
Tgt Ion: 98 Resp: 1028901
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.070 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

Tgt Ion: 95 Resp: 378746
Ion Ratio Lower Upper
95 100
174 84.3 0.0 163.0
176 80.9 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: VX028238.D

Acq: 21 Apr 2022 14:04

Instrument :

MSVOA_X

ClientSampleId :

FB220415

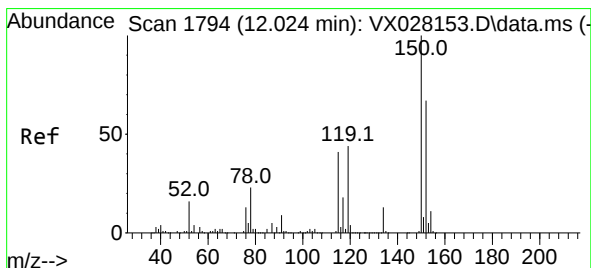
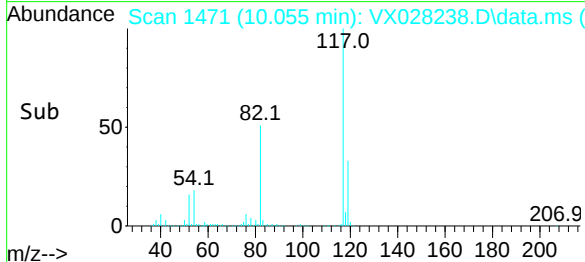
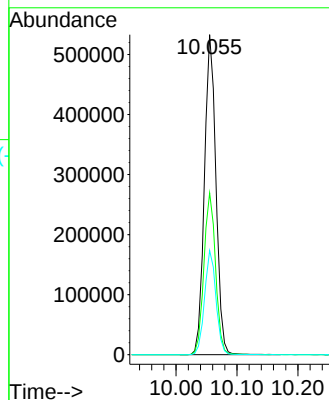
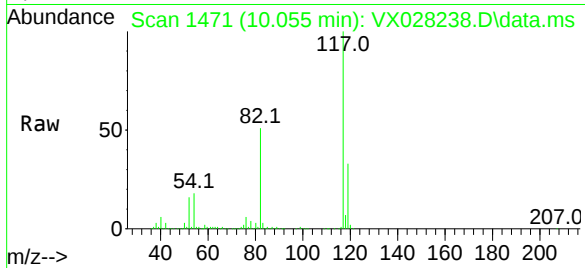
Tgt Ion:117 Resp: 702500

Ion Ratio Lower Upper

117 100

82 50.6 41.8 62.8

119 32.5 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: VX028238.D

Acq: 21 Apr 2022 14:04

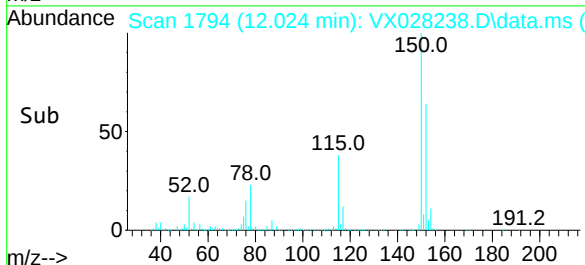
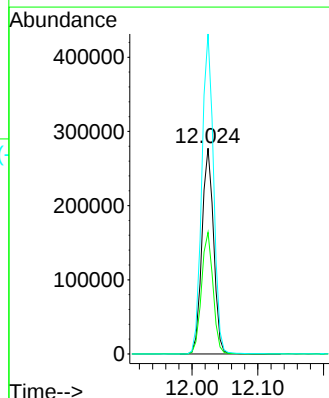
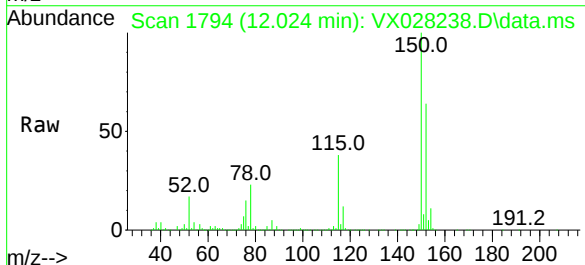
Tgt Ion:152 Resp: 342736

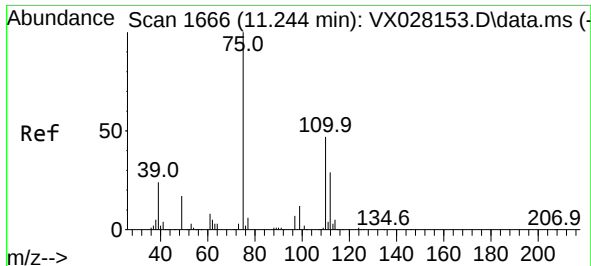
Ion Ratio Lower Upper

152 100

115 58.4 37.5 112.7

150 155.9 0.0 338.2

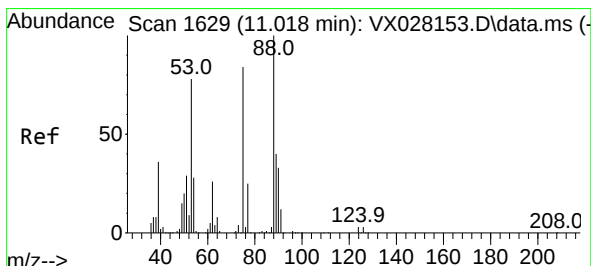
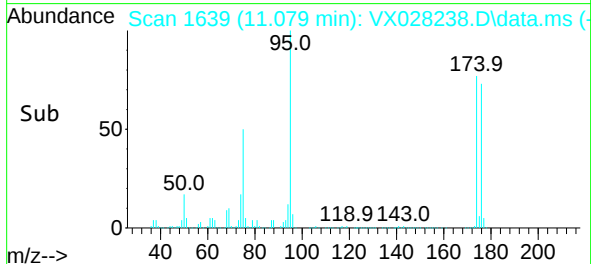
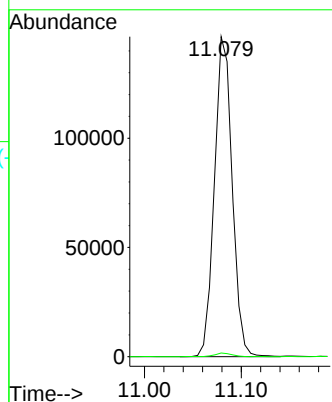
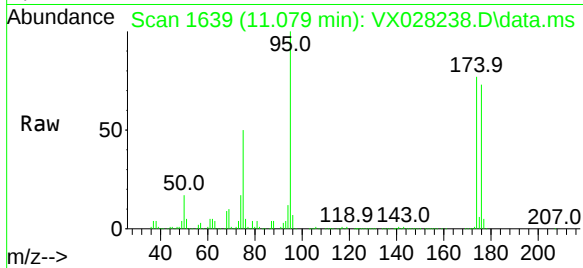




#76
1,2,3-Trichloropropane
Concen: 27.706 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

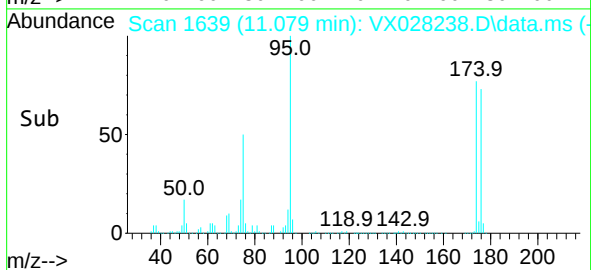
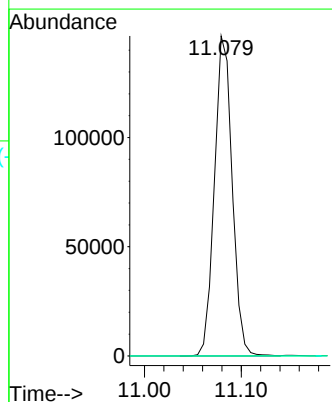
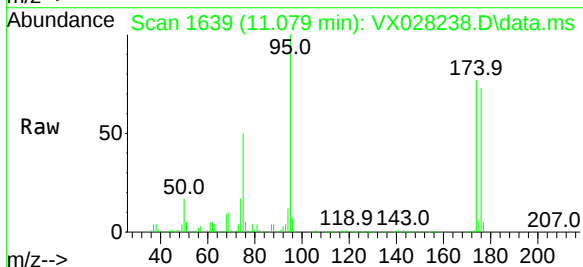
Instrument :
MSVOA_X
ClientSampleId :
FB220415

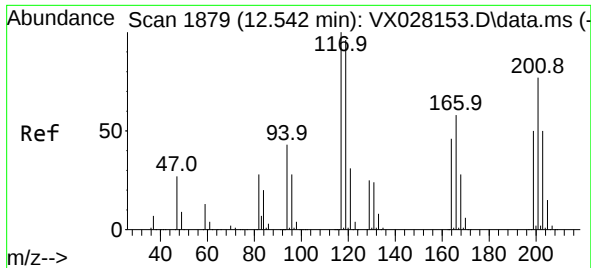
Tgt Ion: 75 Resp: 186884
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.335 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028238.D
Acq: 21 Apr 2022 14:04

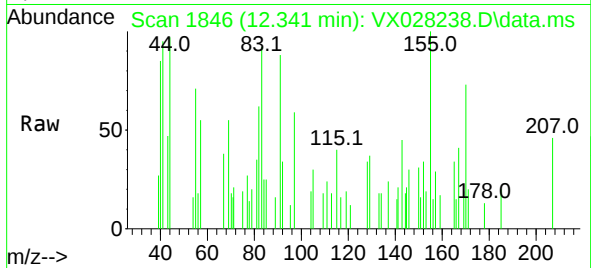
Tgt Ion: 75 Resp: 186884
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#





#90
 Hexachloroethane
 Concen: 1.825 ug/l
 RT: 12.341 min Scan# 11
 Delta R.T. -0.201 min
 Lab File: VX028238.D
 Acq: 21 Apr 2022 14:04

Instrument :
 MSVOA_X
 ClientSampleId :
 FB220415



Tgt Ion:117 Resp: 46
 Ion Ratio Lower Upper
 117 100
 201 50.0 39.5 118.5

