

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028199.D
 Acq On : 20 Apr 2022 15:49
 Operator : JC/MD
 Sample : N2451-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB220415

Quant Time: Apr 21 06:13:47 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)

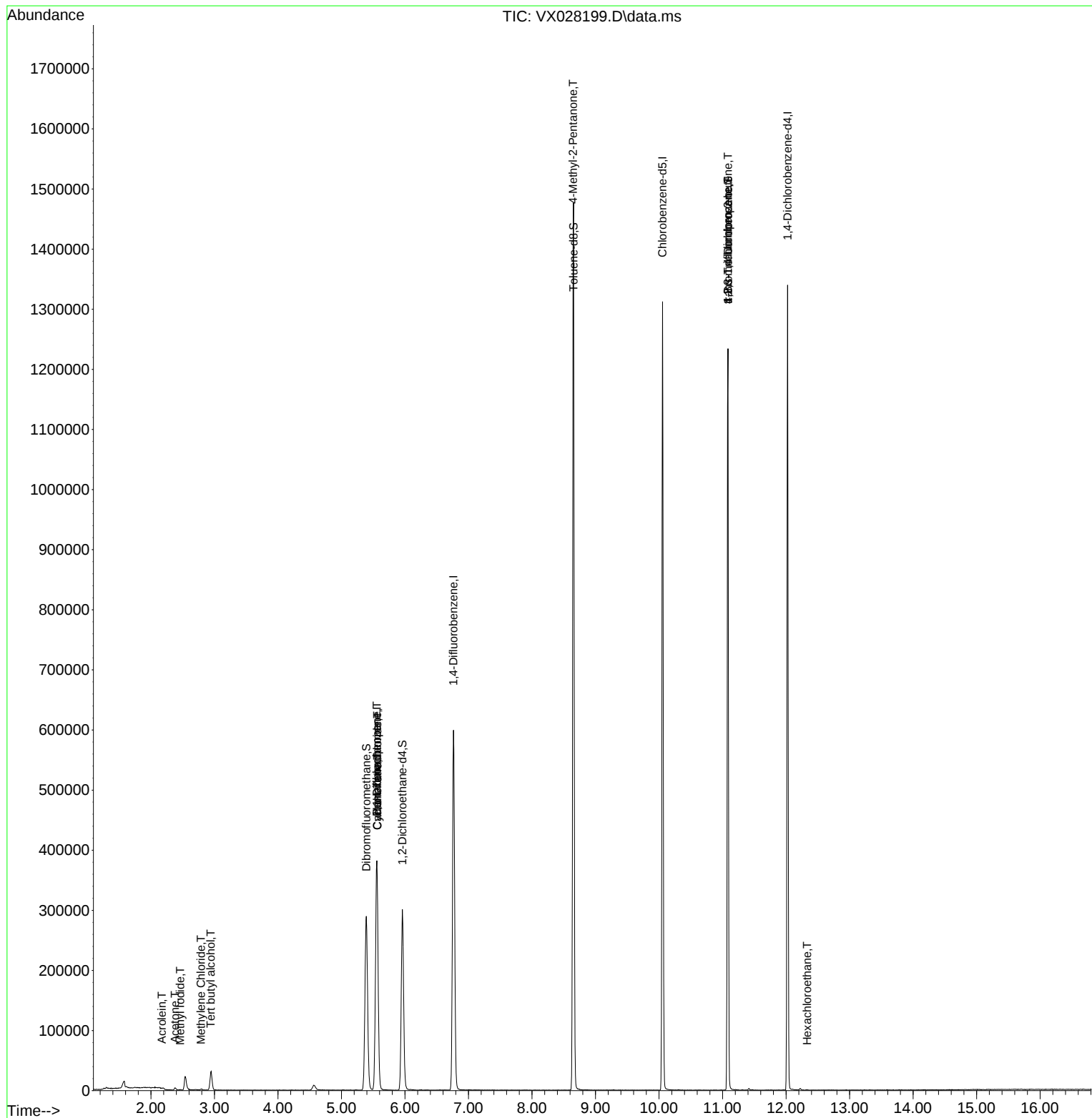
Internal Standards						
1) Pentafluorobenzene	5.555	168	374135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	642096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	599114	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	278477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	275123	56.397	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	112.800%
35) Dibromofluoromethane	5.391	113	249949	55.508	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	111.020%
50) Toluene-d8	8.652	98	905854	52.377	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	104.760%
62) 4-Bromofluorobenzene	11.085	95	325411	49.209	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	98.420%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	415	Below Cal	#	87
5) Bromomethane	1.587	94	279	Below Cal		91
6) Chloroethane	1.684	64	165	Below Cal	#	87
8) Diethyl Ether	2.032	74	22	Below Cal	#	7
10) Methyl Iodide	2.458	142	831	5.414	ug/l #	90
11) Tert butyl alcohol	2.940	59	17301	8.940	ug/l #	77
13) Acrolein	2.172	56	182	0.304	ug/l #	82
16) Acetone	2.379	43	3986	1.286	ug/l #	87
20) Methylene Chloride	2.788	84	812	0.224	ug/l	89
31) Cyclohexane	5.562	56	7306	1.229	ug/l #	10
36) 1,1-Dichloropropene	5.555	75	27336	4.654	ug/l #	50
38) Carbon Tetrachloride	5.562	117	36553	5.513	ug/l #	15
51) 4-Methyl-2-Pentanone	8.646	43	3738	0.601	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	162018	29.562	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	162018	87.851	ug/l #	15
90) Hexachloroethane	12.329	117	20	1.820	ug/l #	10

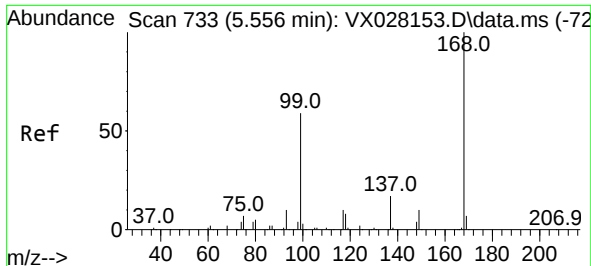
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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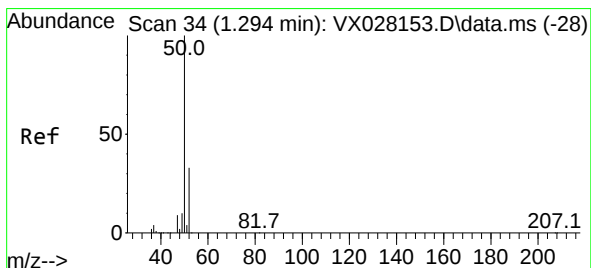
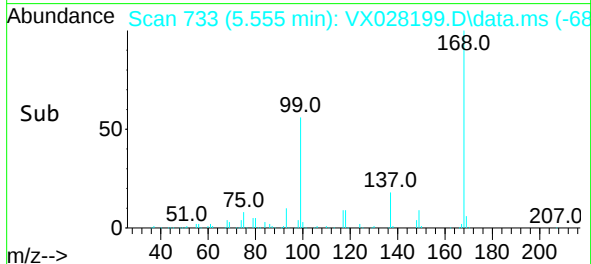
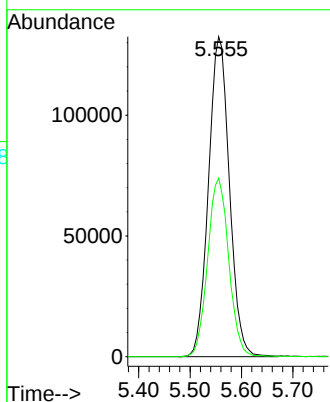
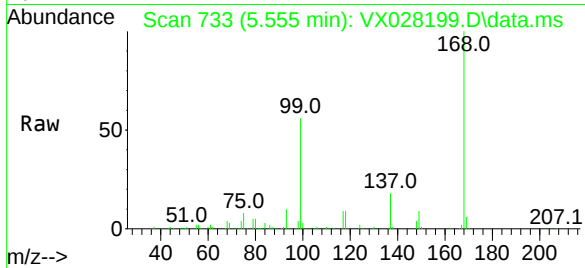




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.555 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

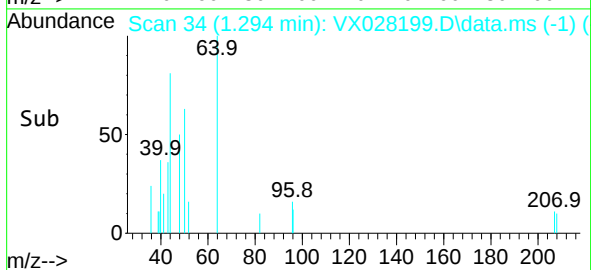
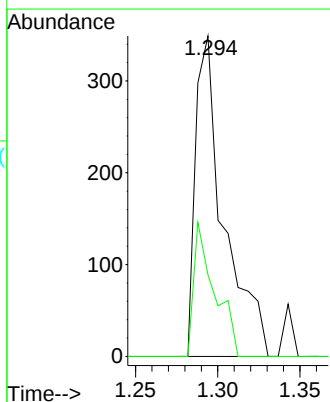
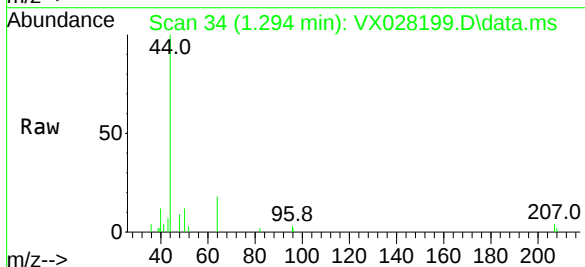
Instrument :
MSVOA_X
ClientSampleId :
TB220415

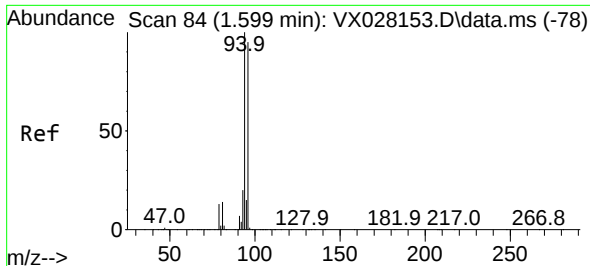
Tgt Ion:168 Resp: 374135
Ion Ratio Lower Upper
168 100
99 55.8 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

Tgt Ion: 50 Resp: 415
Ion Ratio Lower Upper
50 100
52 25.5 26.4 39.6#

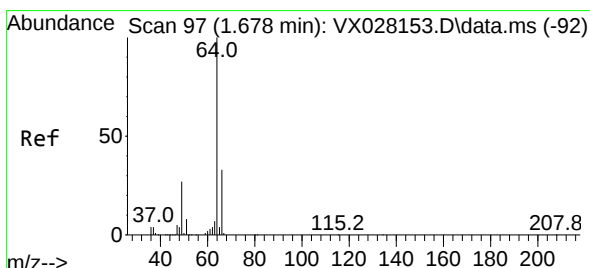
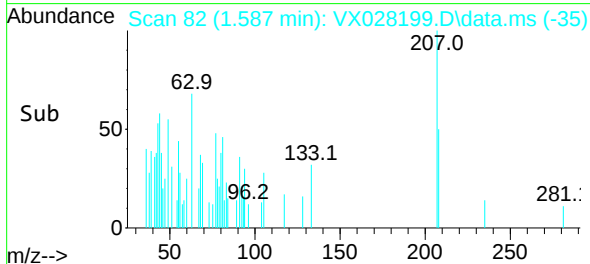
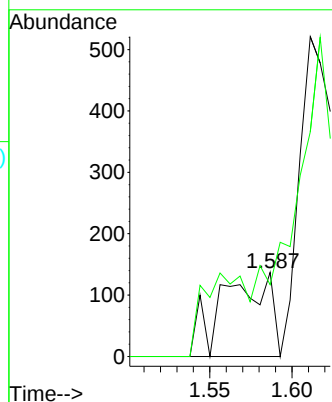
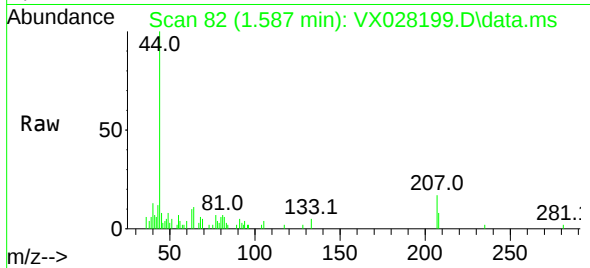




#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

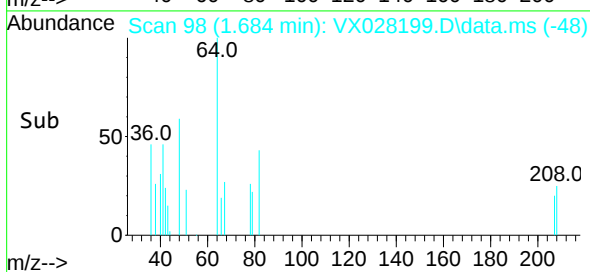
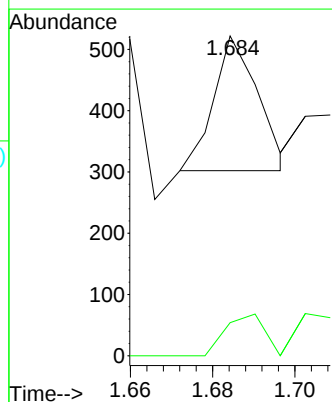
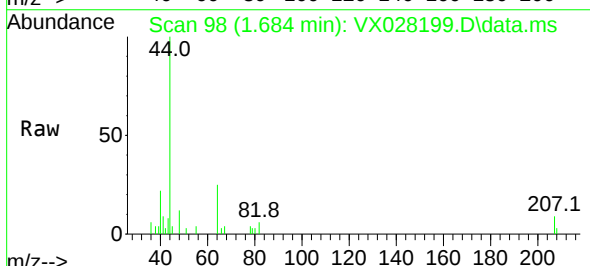
Instrument :
MSVOA_X
ClientSampleId :
TB220415

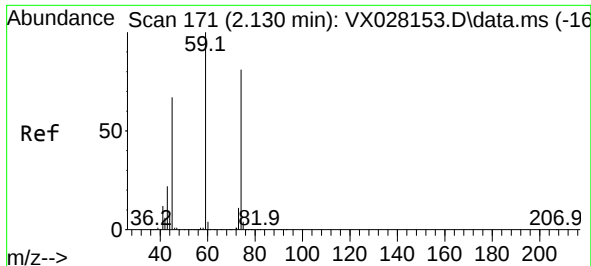
Tgt Ion: 94 Resp: 279
Ion Ratio Lower Upper
94 100
96 85.4 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.684 min Scan# 98
Delta R.T. 0.006 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

Tgt Ion: 64 Resp: 165
Ion Ratio Lower Upper
64 100
66 24.5 25.3 37.9

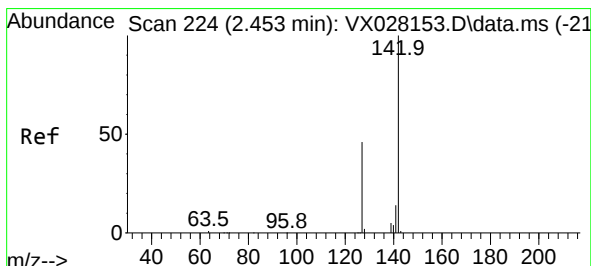
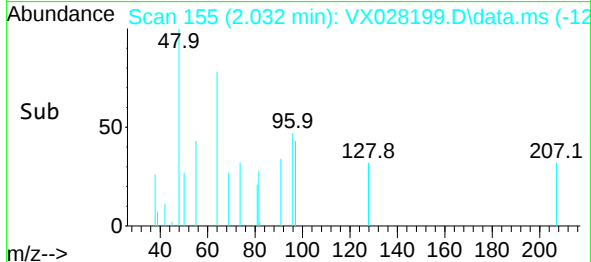
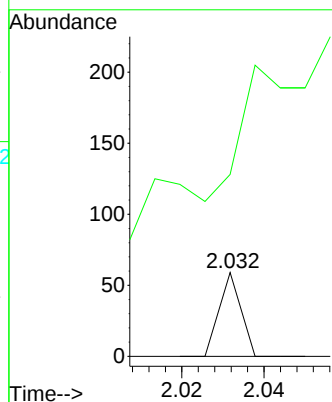
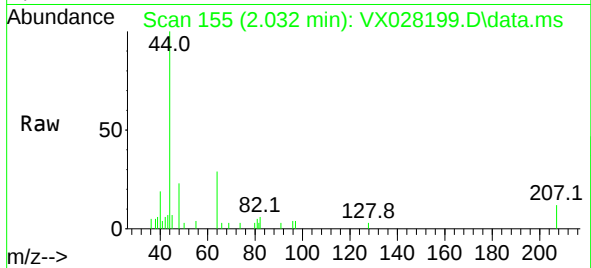




#8
Diethyl Ether
Concen: Below Cal
RT: 2.032 min Scan# 11
Delta R.T. -0.098 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

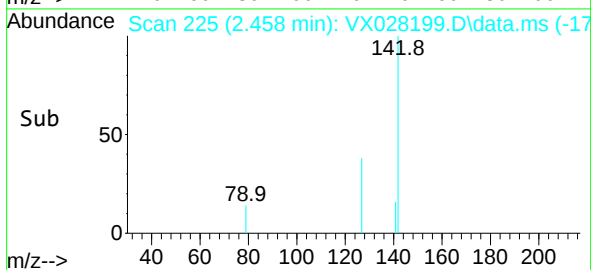
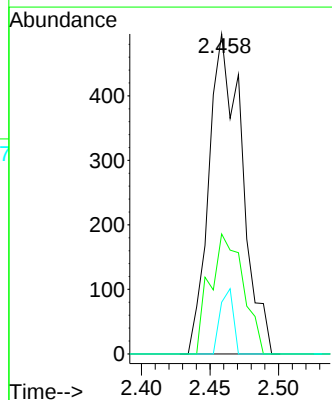
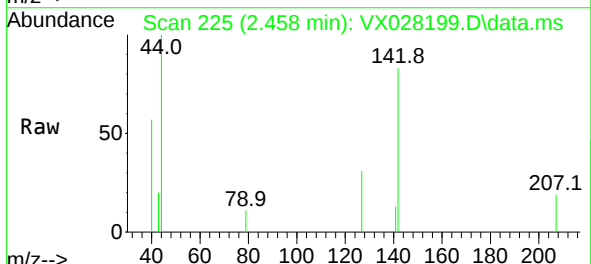
Instrument :
MSVOA_X
ClientSampleId :
TB220415

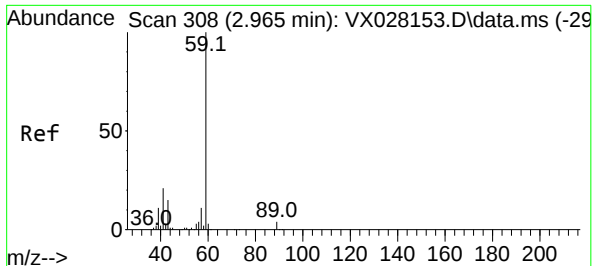
Tgt Ion: 74 Resp: 22
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.414 ug/l
RT: 2.458 min Scan# 225
Delta R.T. 0.005 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

Tgt Ion:142 Resp: 831
Ion Ratio Lower Upper
142 100
127 37.5 33.9 50.9
141 7.9 11.4 17.2#





#11

Tert butyl alcohol

Concen: 8.940 ug/l

RT: 2.940 min Scan# 308

Delta R.T. -0.025 min

Lab File: VX028199.D

Acq: 20 Apr 2022 15:49

Instrument :

MSVOA_X

ClientSampleId :

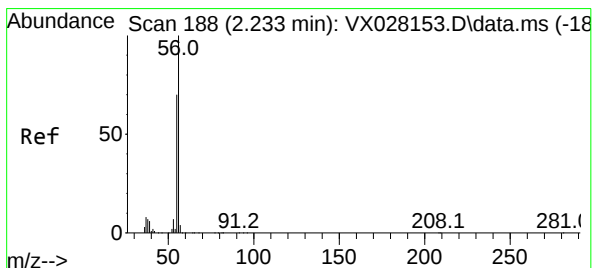
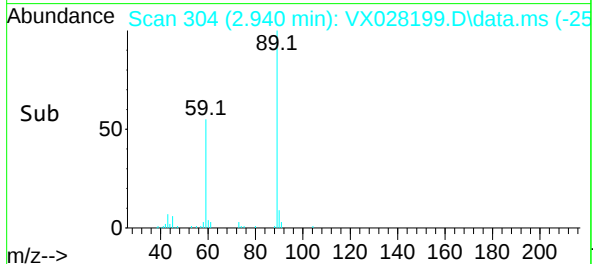
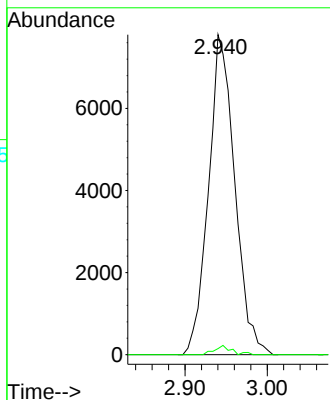
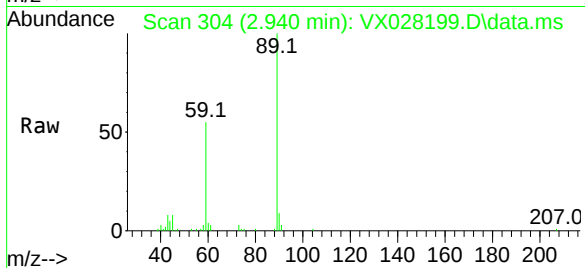
TB220415

Tgt Ion: 59 Resp: 17301

Ion Ratio Lower Upper

59 100

57 1.9 8.3 12.5#



#13

Acrolein

Concen: 0.304 ug/l

RT: 2.172 min Scan# 178

Delta R.T. -0.061 min

Lab File: VX028199.D

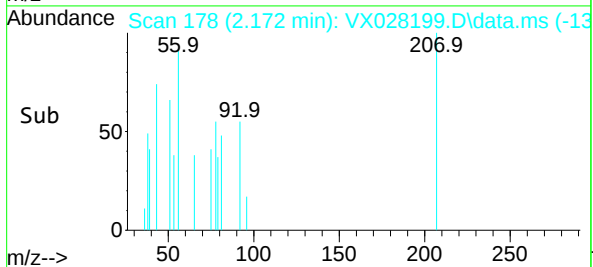
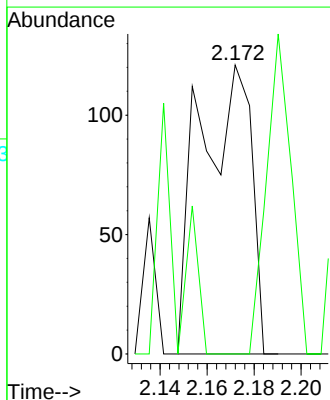
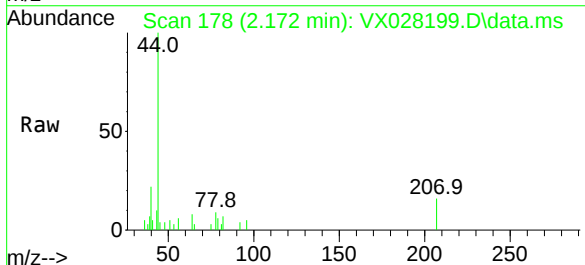
Acq: 20 Apr 2022 15:49

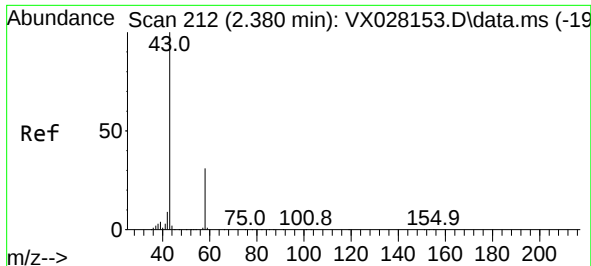
Tgt Ion: 56 Resp: 182

Ion Ratio Lower Upper

56 100

55 53.8 55.0 82.6#

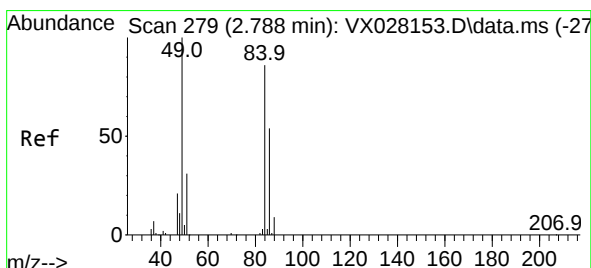
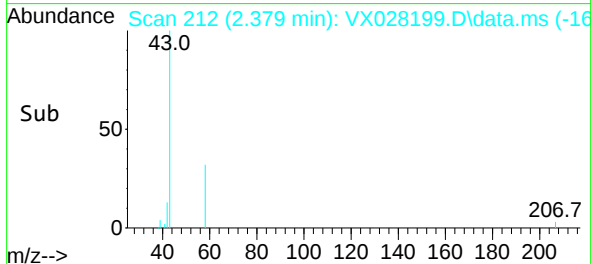
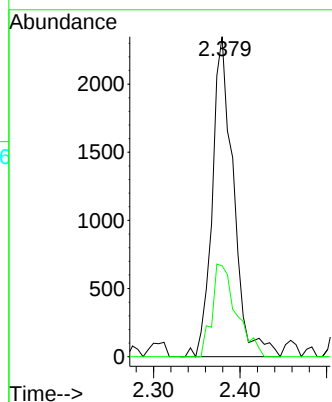
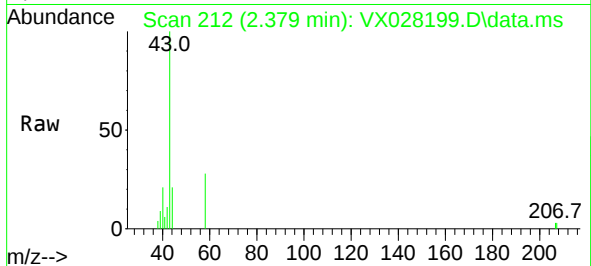




#16
Acetone
Concen: 1.286 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

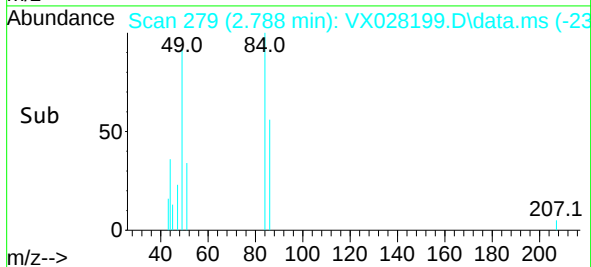
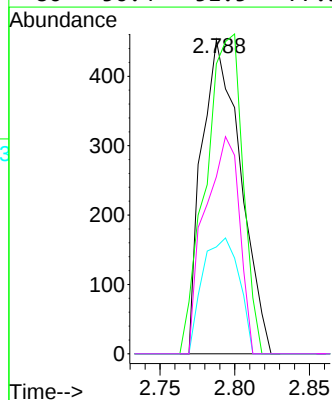
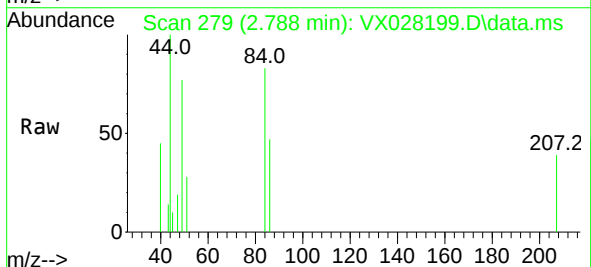
Instrument :
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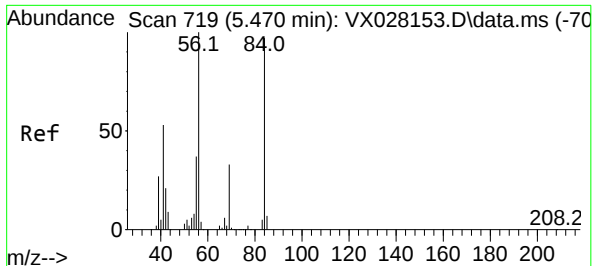
Tgt Ion: 43 Resp: 3986
Ion Ratio Lower Upper
43 100
58 28.4 28.8 43.2#



#20
Methylene Chloride
Concen: 0.224 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

Tgt Ion: 84 Resp: 812
Ion Ratio Lower Upper
84 100
49 92.5 85.5 128.3
51 34.1 26.6 39.8
86 56.4 51.5 77.3

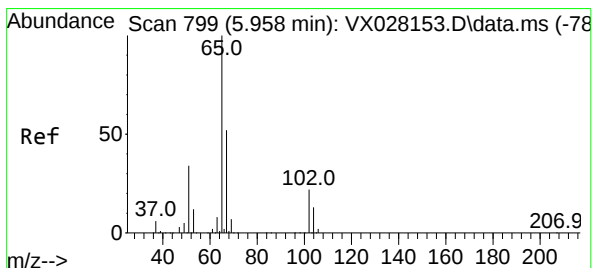
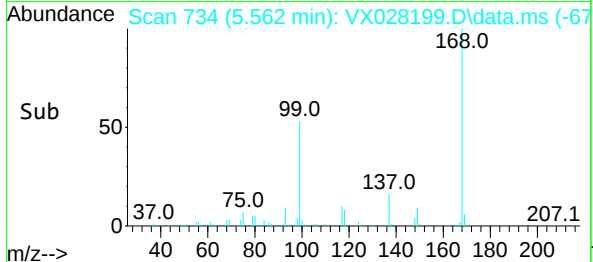
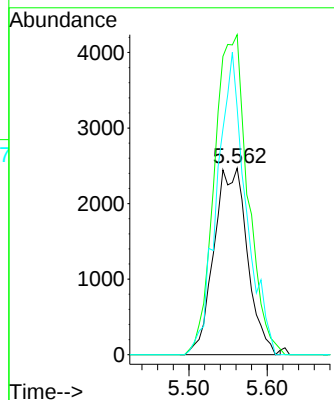
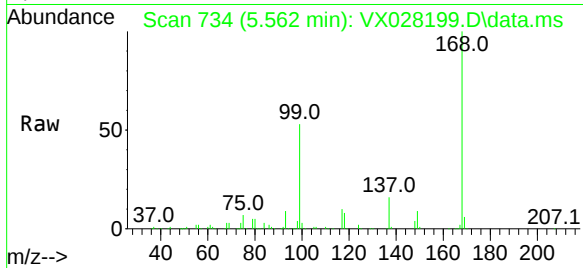




#31
Cyclohexane
Concen: 1.229 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

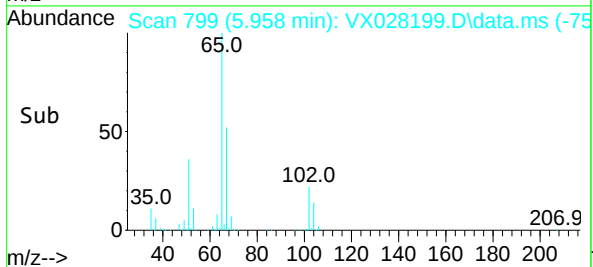
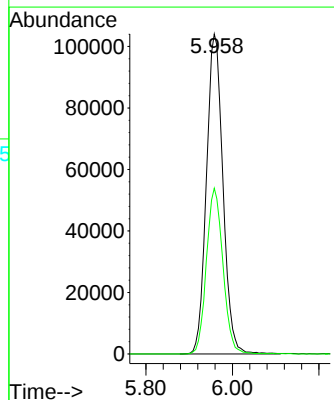
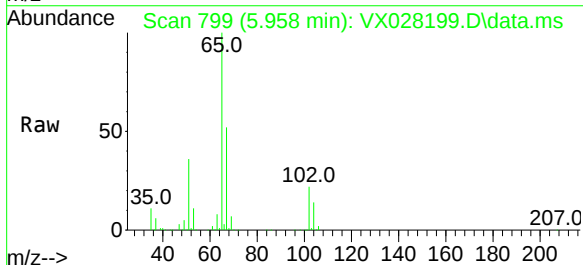
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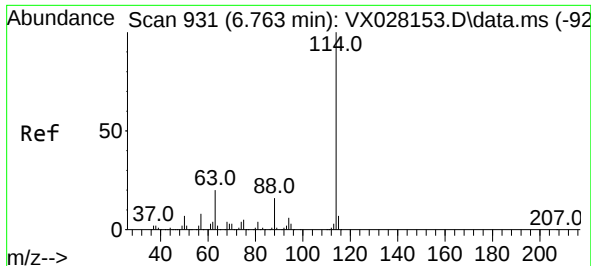
Tgt Ion: 56 Resp: 7306
Ion Ratio Lower Upper
56 100
69 171.5 26.7 40.1#
84 132.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 56.397 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

Tgt Ion: 65 Resp: 275123
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

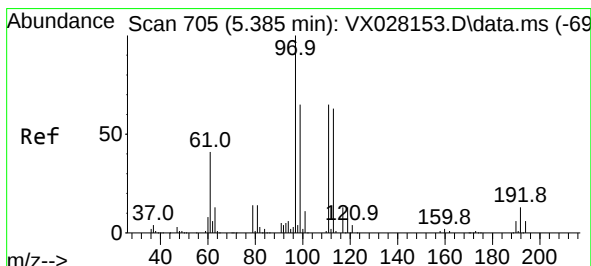
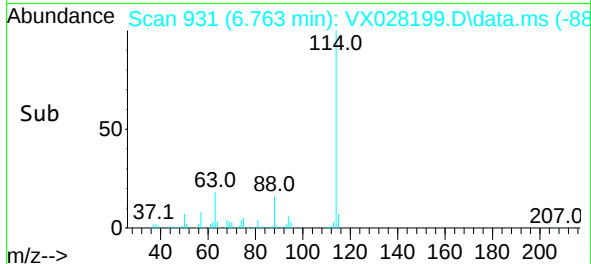
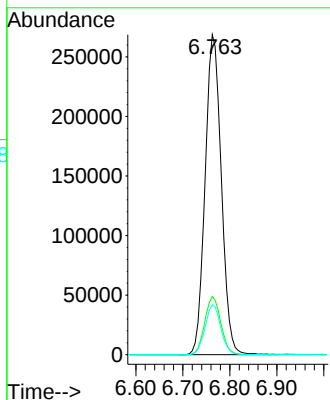
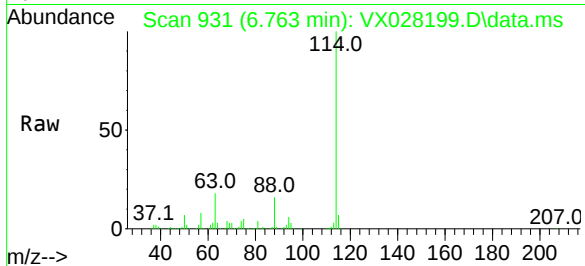




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

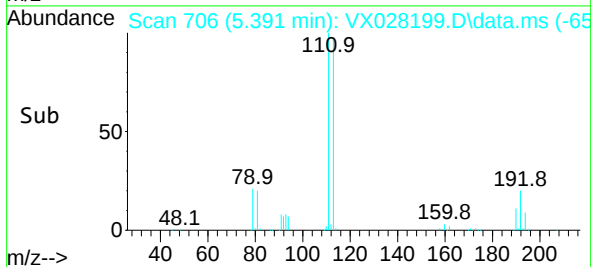
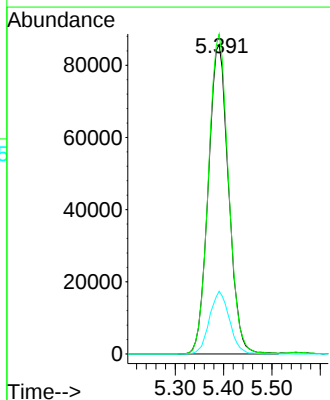
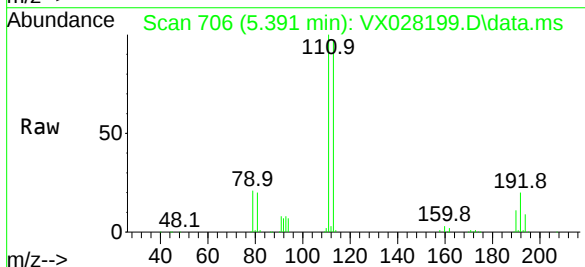
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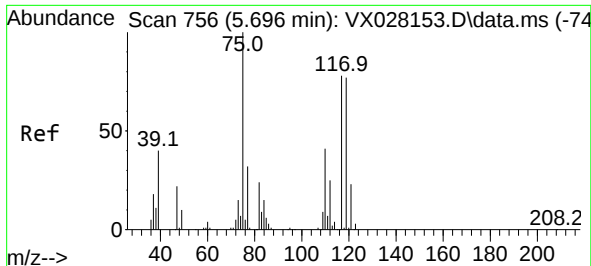
Tgt Ion:114 Resp: 642096
Ion Ratio Lower Upper
114 100
63 18.2 0.0 36.8
88 15.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 55.508 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

Tgt Ion:113 Resp: 249949
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 19.9 16.9 25.3

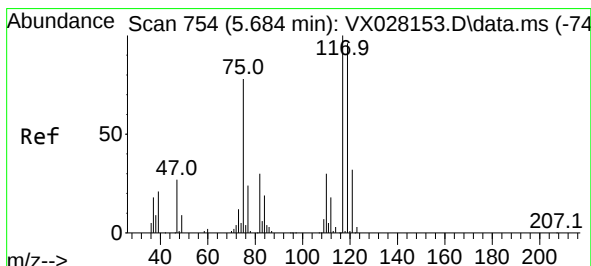
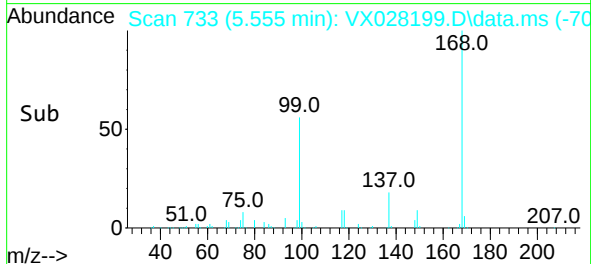
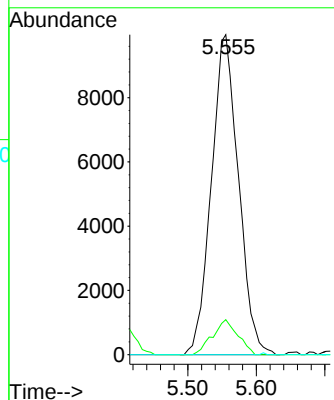
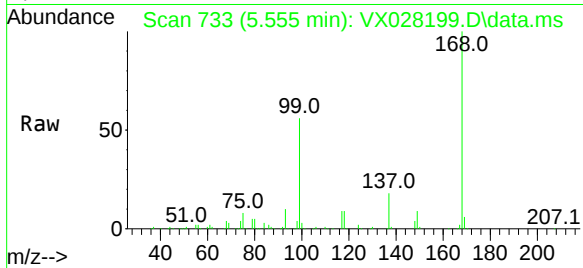




#36
1,1-Dichloropropene
Concen: 4.654 ug/l
RT: 5.555 min Scan# 711
Delta R.T. -0.141 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

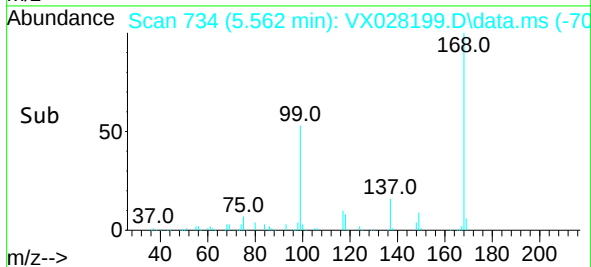
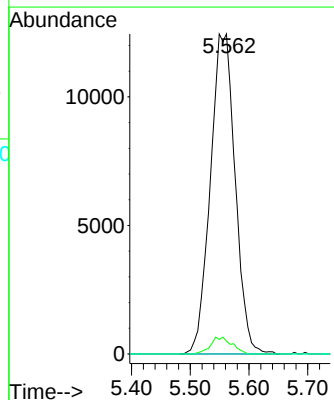
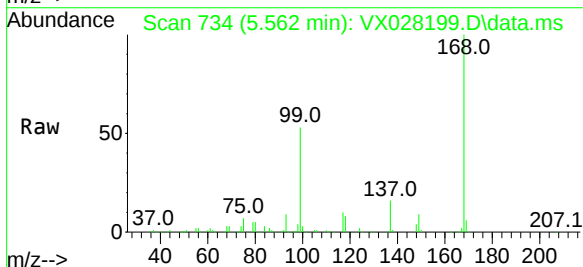
Instrument :
MSVOA_X
ClientSampleId :
TB220415

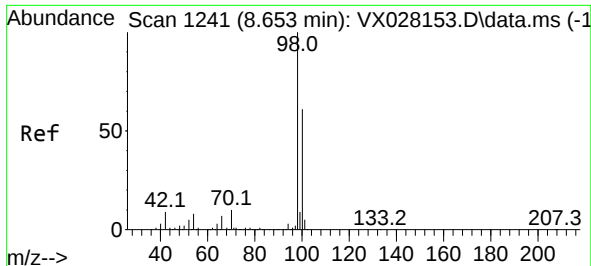
Tgt Ion: 75 Resp: 27336
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.513 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.122 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

Tgt Ion: 117 Resp: 36553
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#

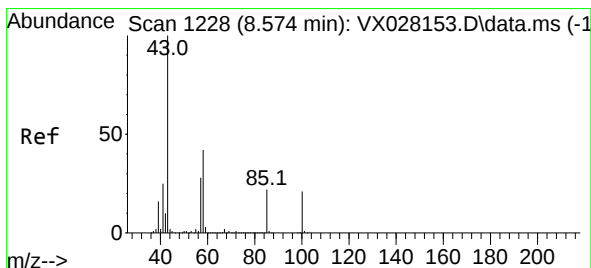
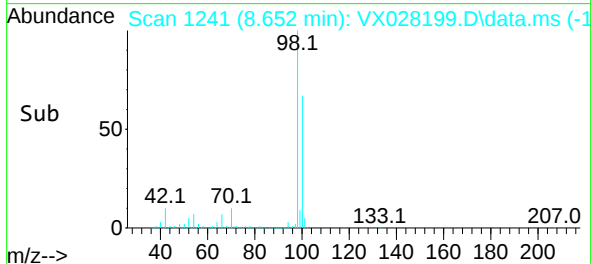
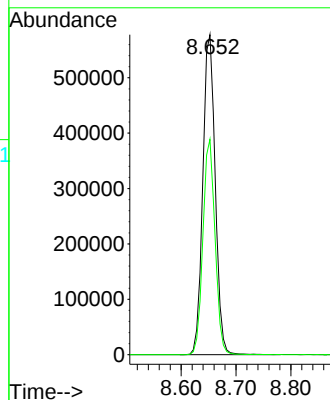
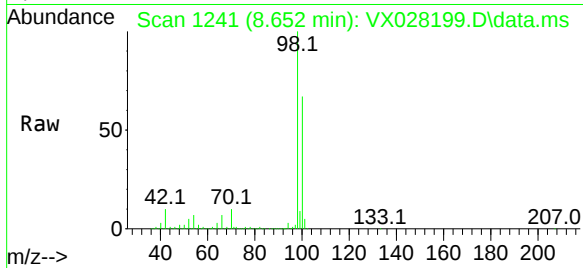




#50
Toluene-d8
Concen: 52.377 ug/l
RT: 8.652 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

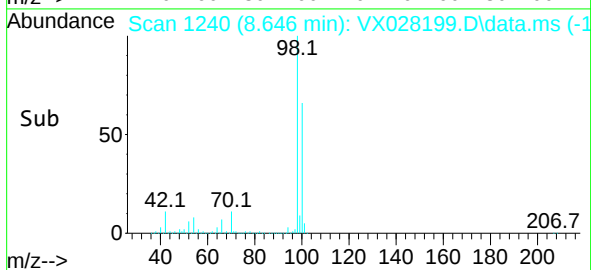
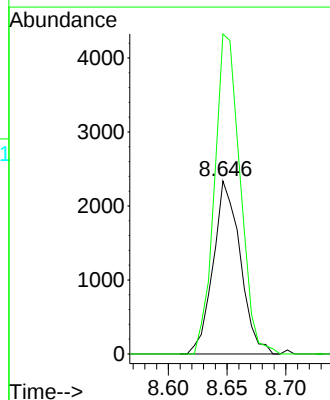
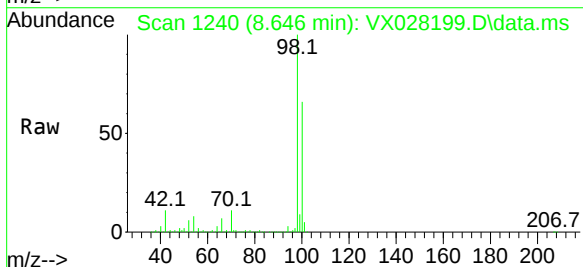
Instrument :
MSVOA_X
ClientSampleId :
TB220415

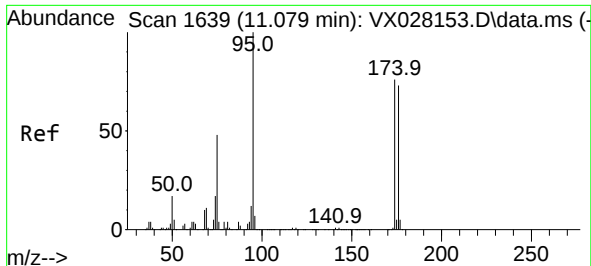
Tgt Ion: 98 Resp: 905854
Ion Ratio Lower Upper
98 100
100 65.9 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.601 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.072 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

Tgt Ion: 43 Resp: 3738
Ion Ratio Lower Upper
43 100
58 175.9 36.1 54.1#

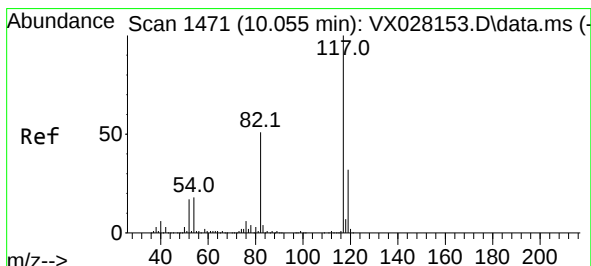
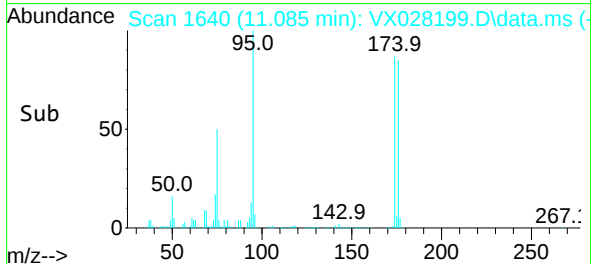
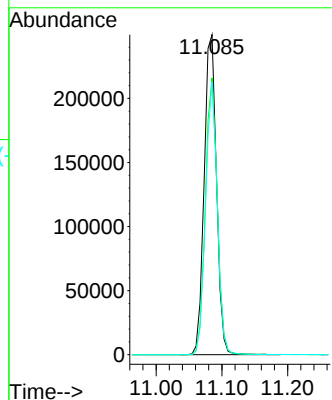
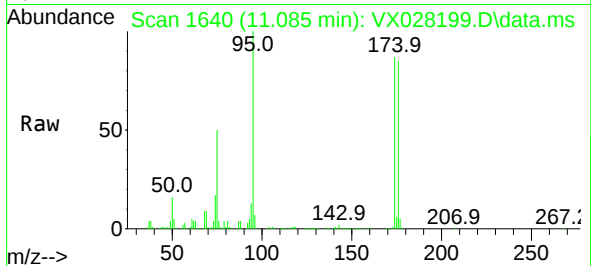




#62
4-Bromofluorobenzene
Concen: 49.209 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

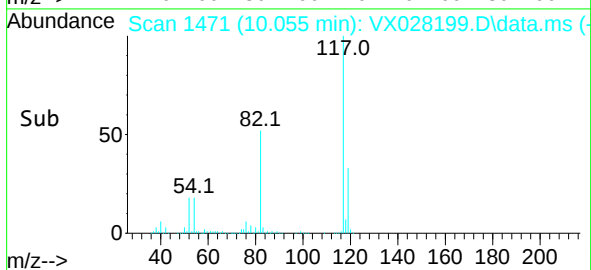
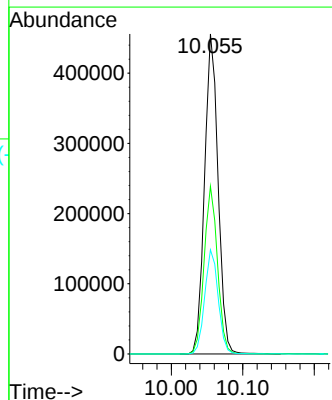
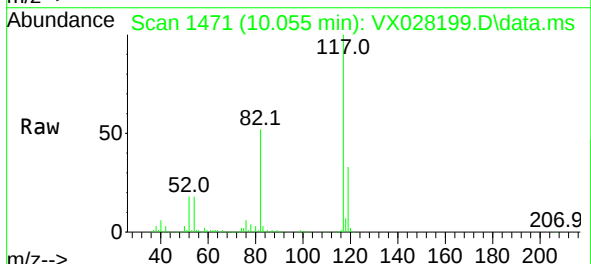
Instrument :
MSVOA_X
ClientSampleId :
TB220415

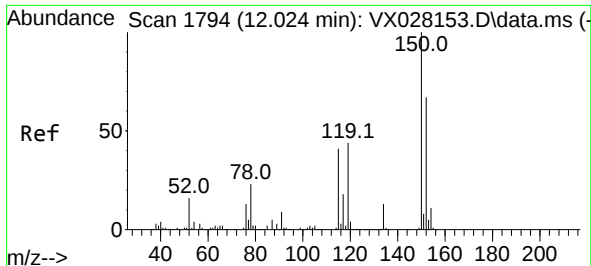
Tgt Ion: 95 Resp: 325411
Ion Ratio Lower Upper
95 100
174 83.9 0.0 163.0
176 80.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028199.D
Acq: 20 Apr 2022 15:49

Tgt Ion: 117 Resp: 599114
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.6 24.8 37.2

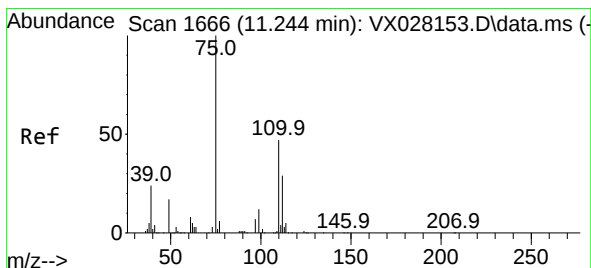
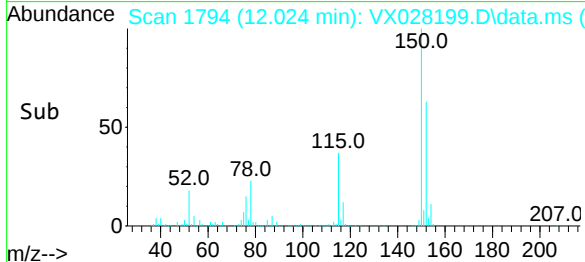
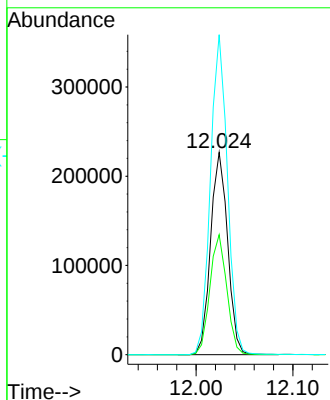
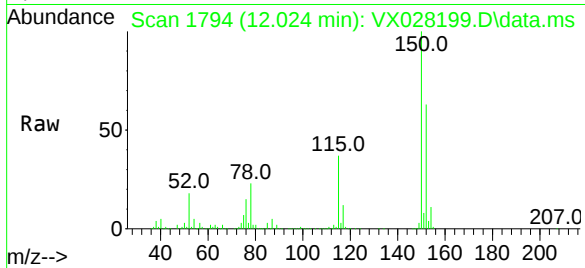




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX028199.D
 Acq: 20 Apr 2022 15:49

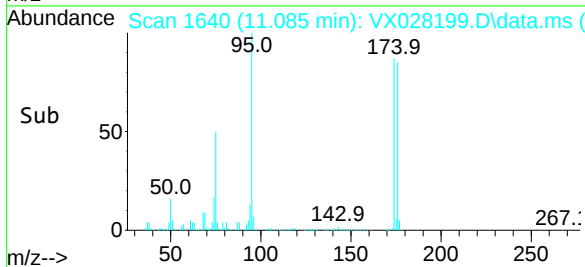
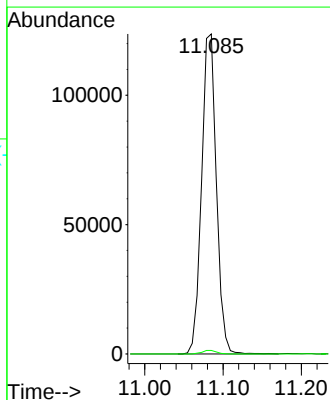
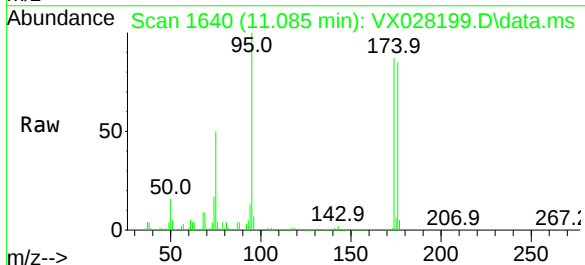
Instrument :
 MSVOA_X
 ClientSampleId :
 TB220415

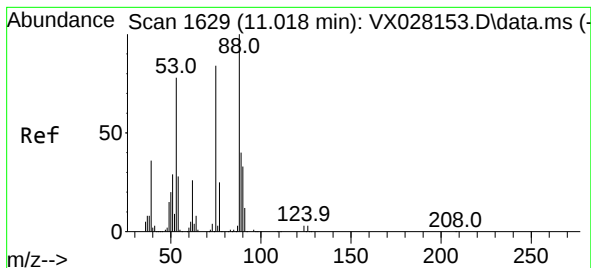
Tgt Ion:152 Resp: 278477
 Ion Ratio Lower Upper
 152 100
 115 58.9 37.5 112.7
 150 157.2 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 29.562 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX028199.D
 Acq: 20 Apr 2022 15:49

Tgt Ion: 75 Resp: 162018
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

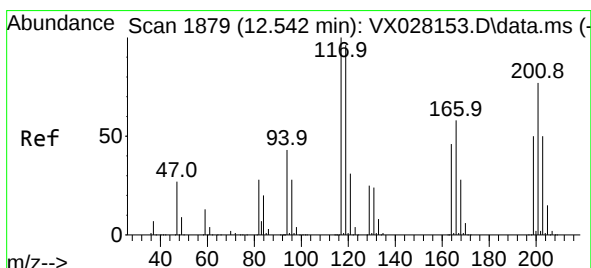
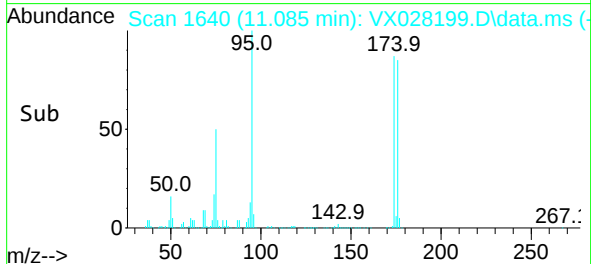
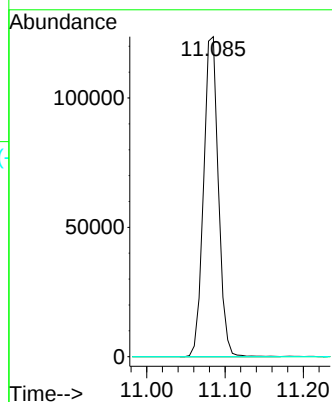
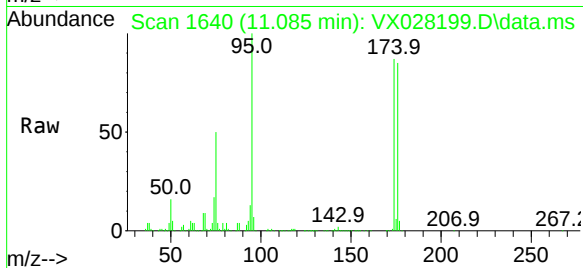




#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.851 ug/l
 RT: 11.085 min Scan# 162018
 Delta R.T. 0.067 min
 Lab File: VX028199.D
 Acq: 20 Apr 2022 15:49

Instrument :
 MSVOA_X
 ClientSampleId :
 TB220415

Tgt Ion: 75 Resp: 162018
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#



#90
 Hexachloroethane
 Concen: 1.820 ug/l
 RT: 12.329 min Scan# 1844
 Delta R.T. -0.213 min
 Lab File: VX028199.D
 Acq: 20 Apr 2022 15:49

Tgt Ion: 117 Resp: 20
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

