

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028177.D
 Acq On : 19 Apr 2022 22:25
 Operator : JC/MD
 Sample : PB144164ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#07

Quant Time: Apr 20 08:20:02 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

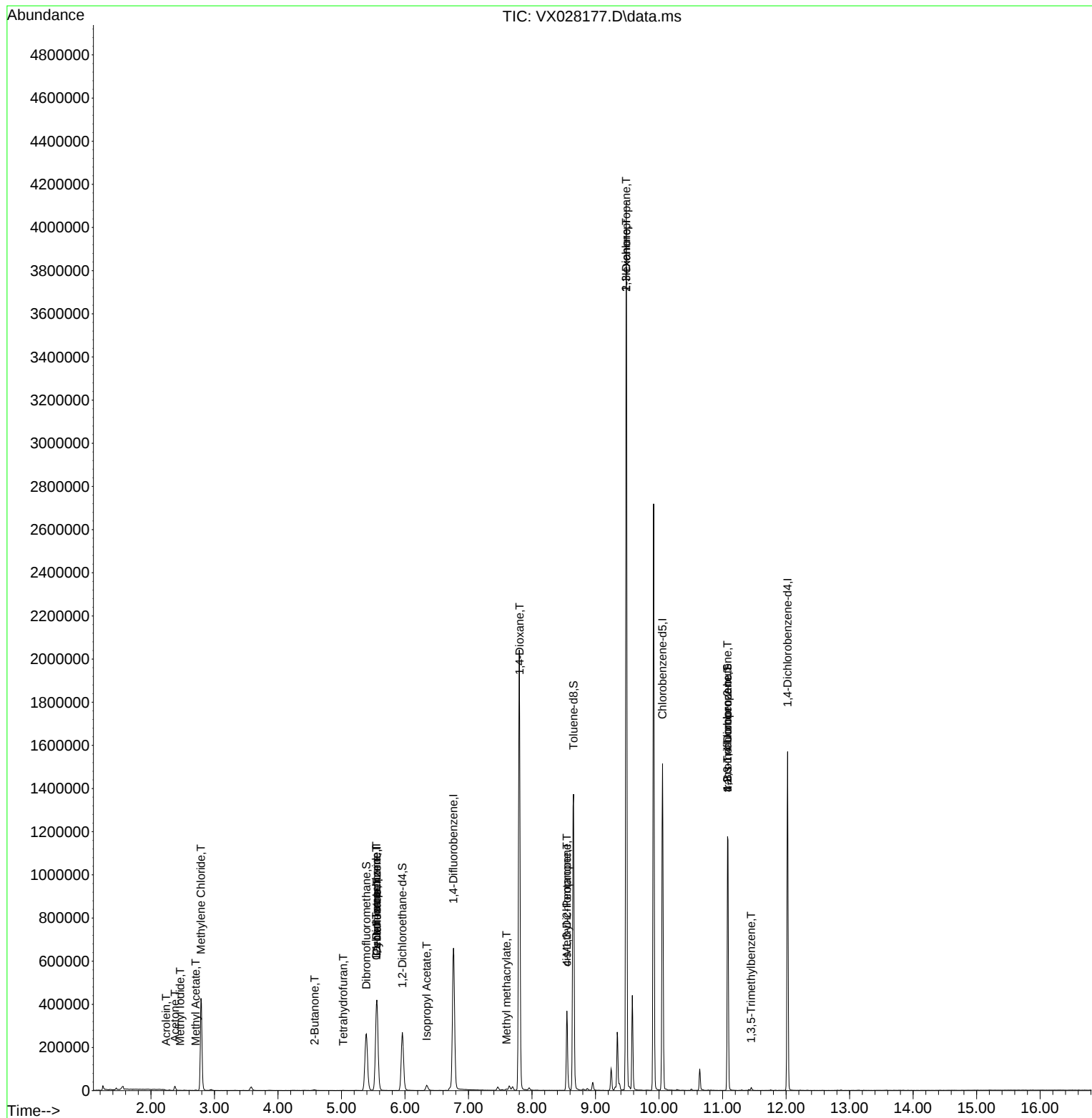
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	408532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	703697	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	711241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	325081	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	251071	47.134	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.260%
35) Dibromofluoromethane	5.391	113	229268	46.458	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.920%
50) Toluene-d8	8.653	98	846713	44.671	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	89.340%
62) 4-Bromofluorobenzene	11.079	95	318972	44.012	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.020%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	421	Below Cal	#	87
5) Bromomethane	1.611	94	872	Below Cal		95
6) Chloroethane	1.672	64	454	Below Cal		89
8) Diethyl Ether	2.136	74	76	Below Cal	#	1
10) Methyl Iodide	2.459	142	407	5.315	ug/l #	64
11) Tert butyl alcohol	2.946	59	2186	Below Cal	#	74
13) Acrolein	2.239	56	185	0.283	ug/l #	55
16) Acetone	2.380	43	20548	11.297	ug/l	94
18) Methyl Acetate	2.703	43	2385	0.504	ug/l #	88
20) Methylene Chloride	2.788	84	199500	50.476	ug/l	98
25) 2-Butanone	4.574	43	4776	1.514	ug/l #	86
29) Tetrahydrofuran	5.025	42	618	0.300	ug/l #	50
31) Cyclohexane	5.556	56	8019	1.236	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	29648	4.606	ug/l #	50
38) Carbon Tetrachloride	5.550	117	40368	5.555	ug/l #	16
43) Isopropyl Acetate	6.342	43	31105	2.926	ug/l	97
48) Methyl methacrylate	7.598	41	8368	1.715	ug/l #	7
49) 1,4-Dioxane	7.805	88	425	3.255	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	114524	16.788	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	62281	7.848	ug/l #	64
57) 1,3-Dichloropropane	9.482	76	39318	4.580	ug/l #	43
59) 2-Hexanone	9.482	43	431596	81.677	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	158347	24.750	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	5694	0.300	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	158347	73.551	ug/l #	15

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

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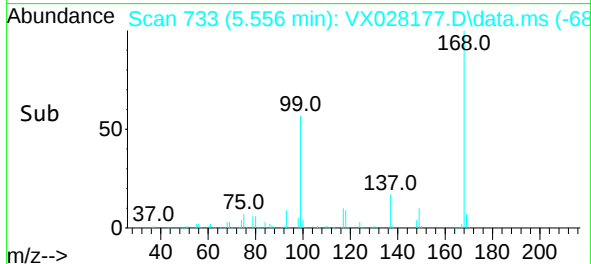
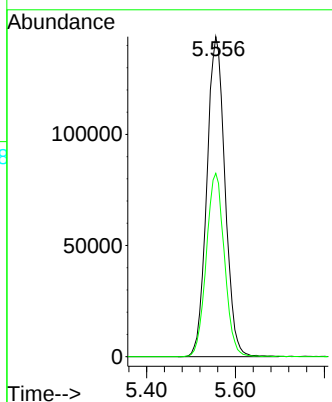
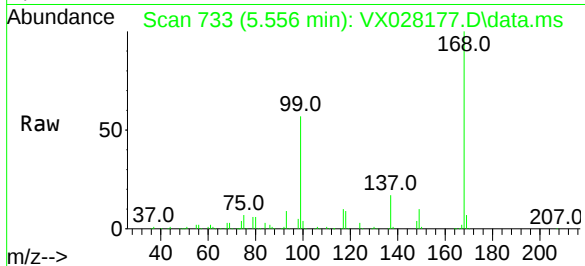




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

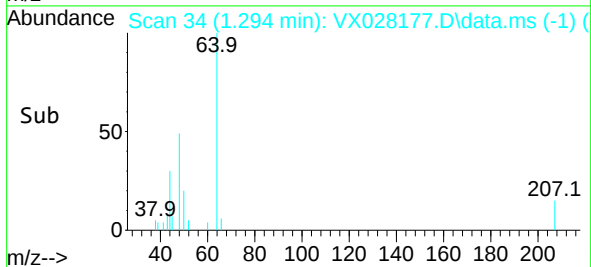
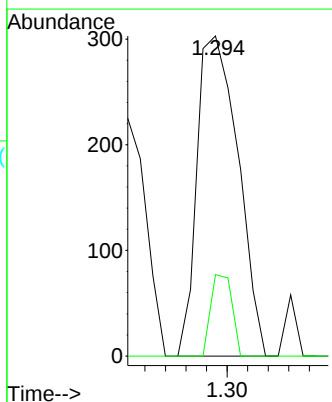
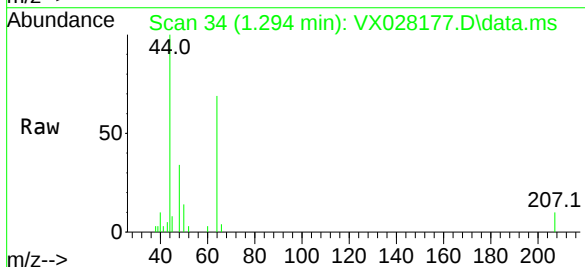
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#07

Tgt Ion:168 Resp: 408532
Ion Ratio Lower Upper
168 100
99 57.3 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Tgt Ion: 50 Resp: 421
Ion Ratio Lower Upper
50 100
52 25.4 26.4 39.6#

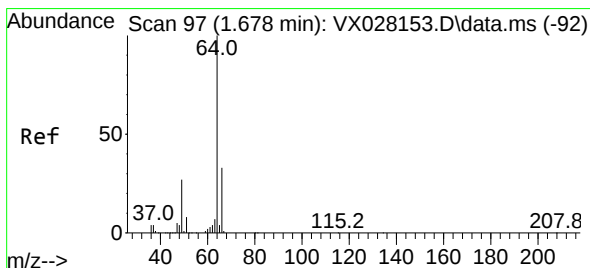
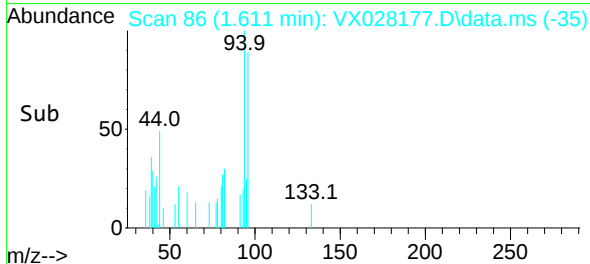
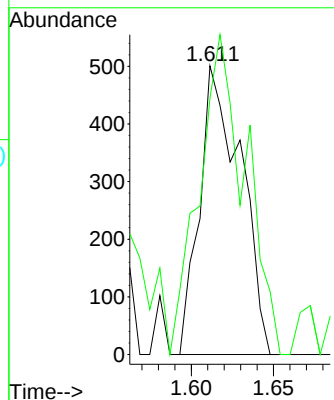
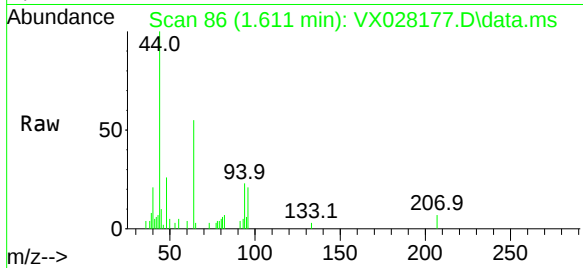




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

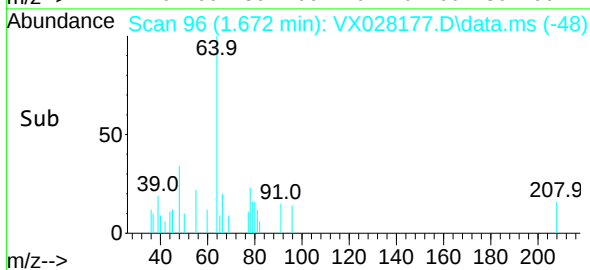
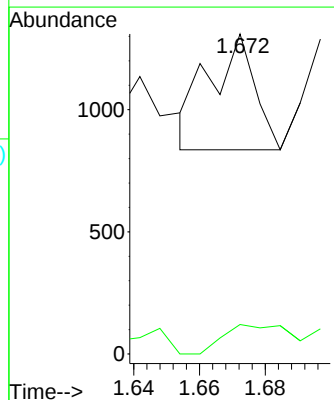
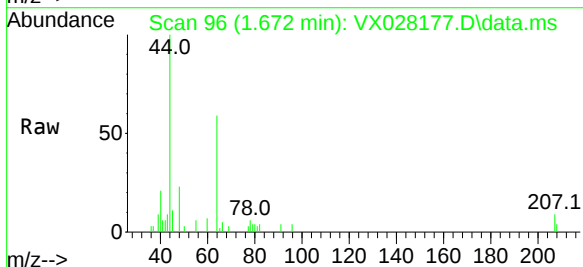
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#07

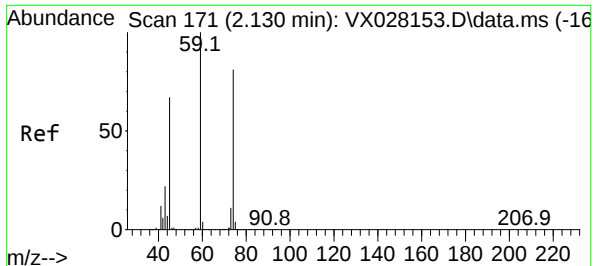
Tgt Ion: 94 Resp: 872
Ion Ratio Lower Upper
94 100
96 88.8 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.672 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Tgt Ion: 64 Resp: 454
Ion Ratio Lower Upper
64 100
66 25.5 25.3 37.9

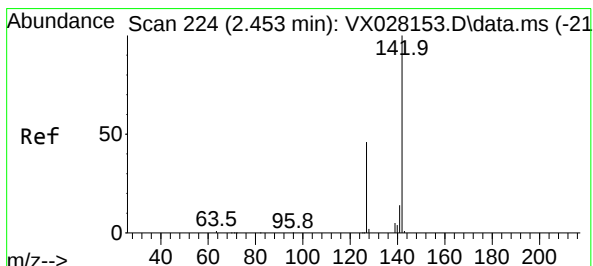
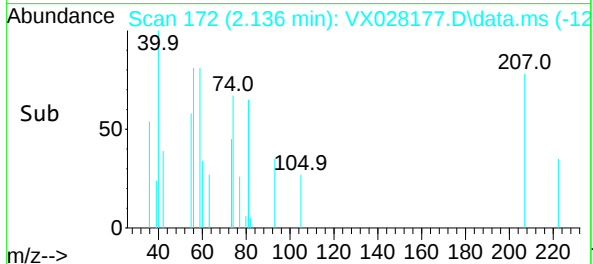
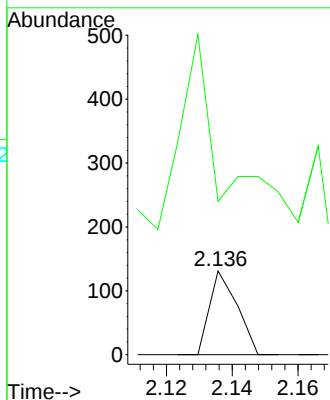
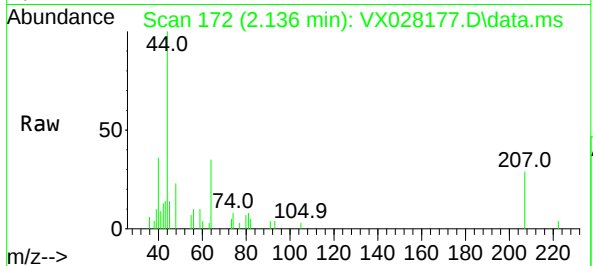




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

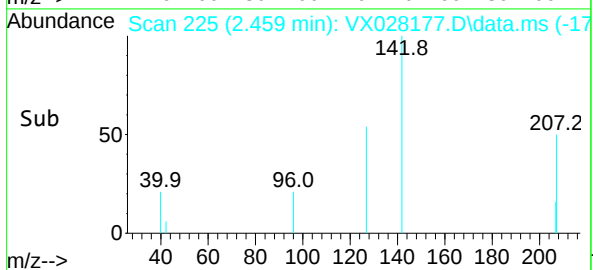
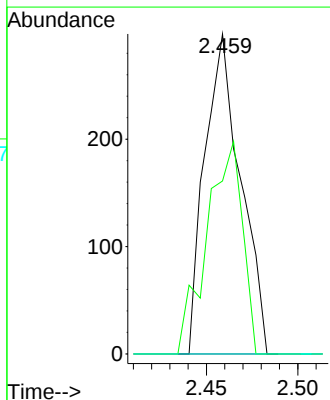
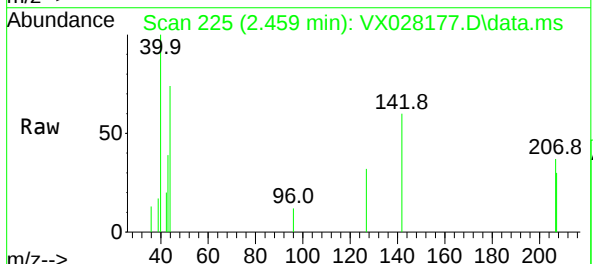
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#07

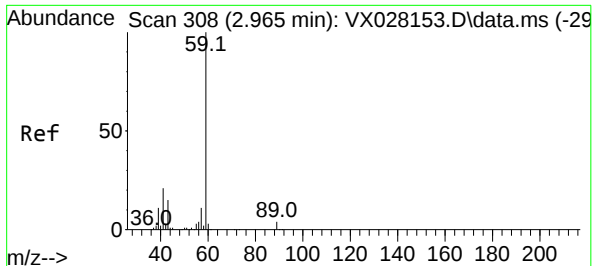
Tgt Ion: 74 Resp: 76
Ion Ratio Lower Upper
74 100
45 926.3 42.0 126.0#



#10
Methyl Iodide
Concen: 5.315 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Tgt Ion:142 Resp: 407
Ion Ratio Lower Upper
142 100
127 65.8 33.9 50.9#
141 0.0 11.4 17.2#

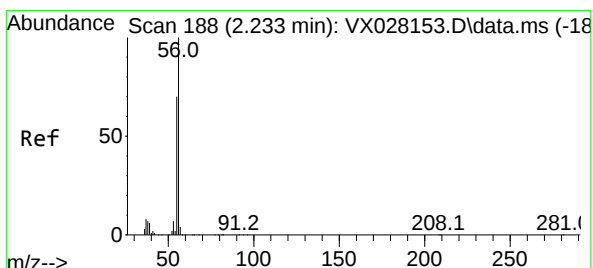
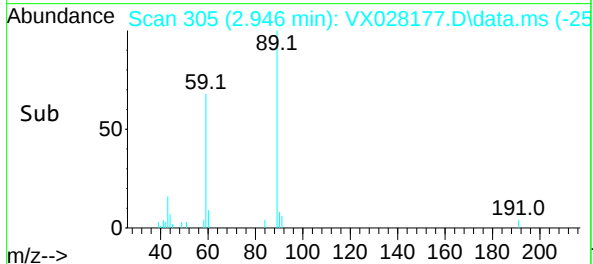
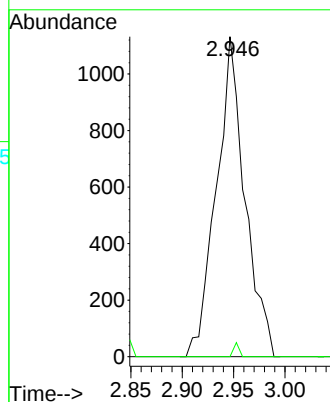
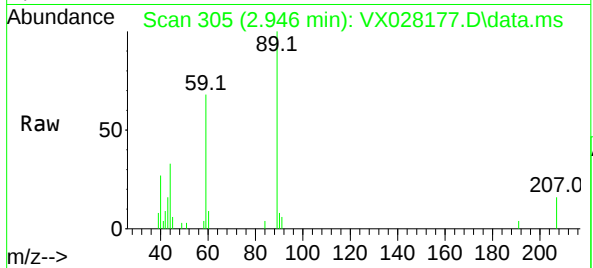




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

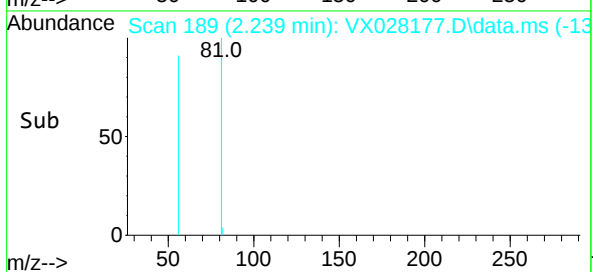
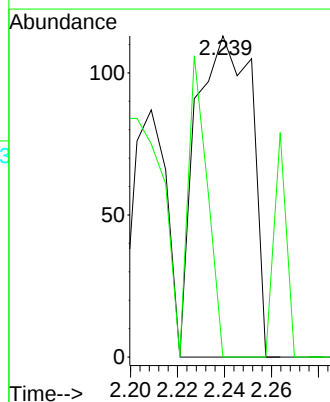
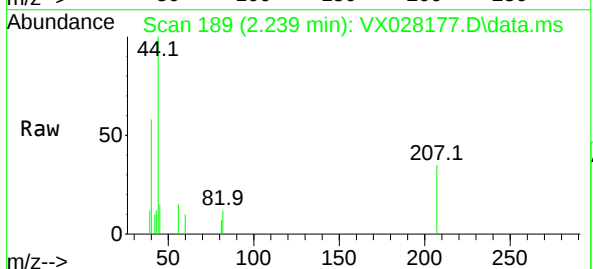
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#07

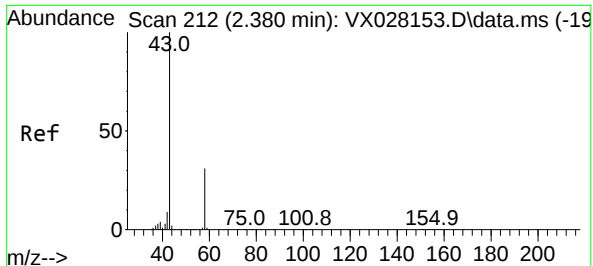
Tgt Ion: 59 Resp: 2186
Ion Ratio Lower Upper
59 100
57 0.8 8.3 12.5#



#13
Acrolein
Concen: 0.283 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Tgt Ion: 56 Resp: 185
Ion Ratio Lower Upper
56 100
55 32.4 55.0 82.6#

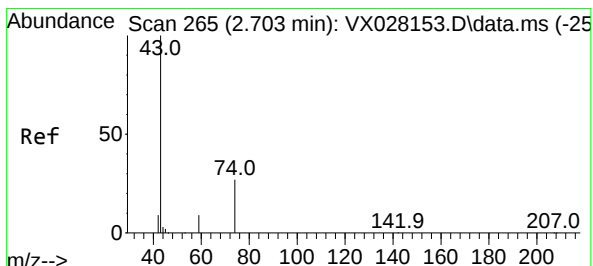
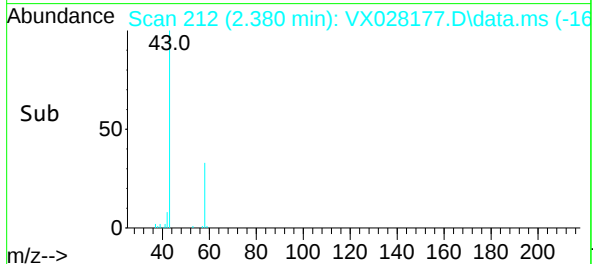
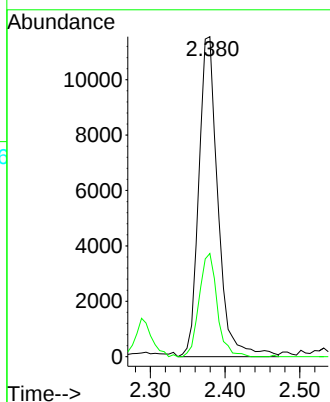
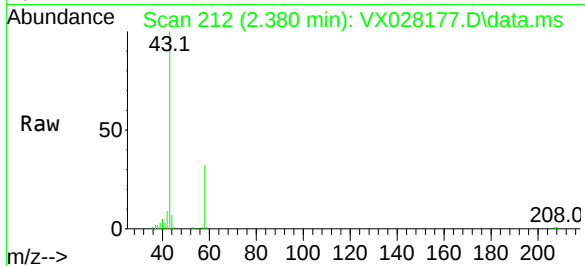




#16
Acetone
Concen: 11.297 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

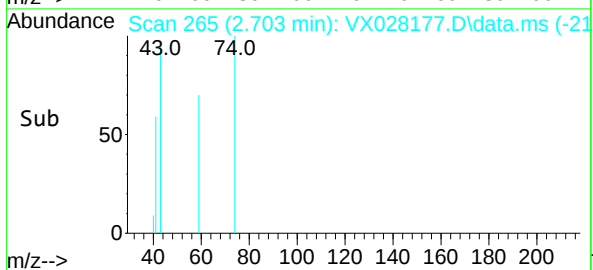
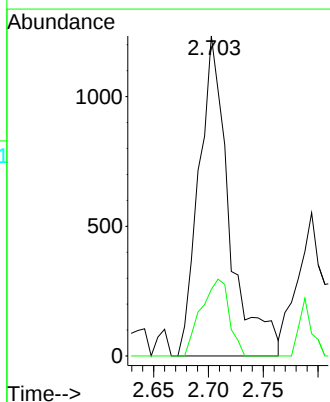
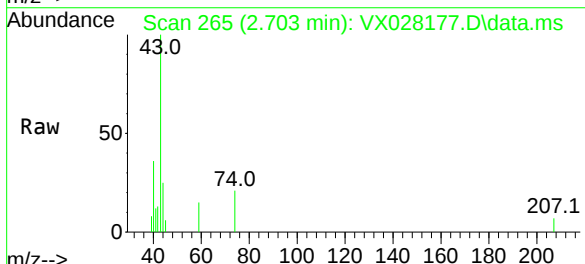
Instrument :
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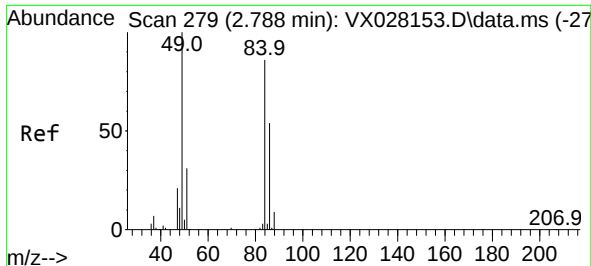
Tgt Ion: 43 Resp: 20548
Ion Ratio Lower Upper
43 100
58 32.3 28.8 43.2



#18
Methyl Acetate
Concen: 0.504 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Tgt Ion: 43 Resp: 2385
Ion Ratio Lower Upper
43 100
74 22.1 22.8 34.2#





#20

Methylene Chloride

Concen: 50.476 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX028177.D

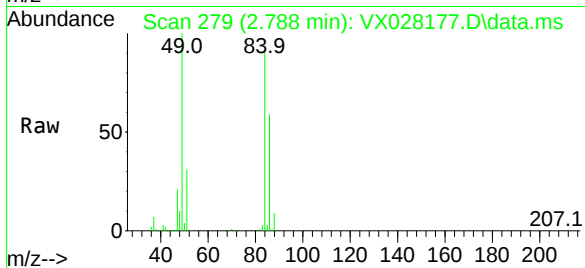
Acq: 19 Apr 2022 22:25

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#07



Tgt Ion: 84 Resp: 199500

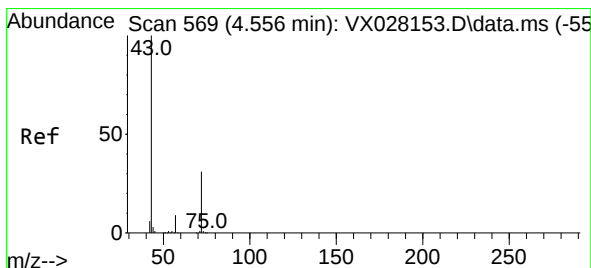
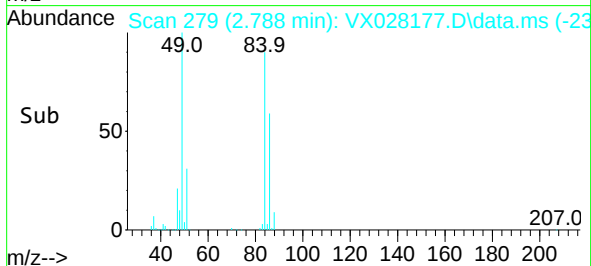
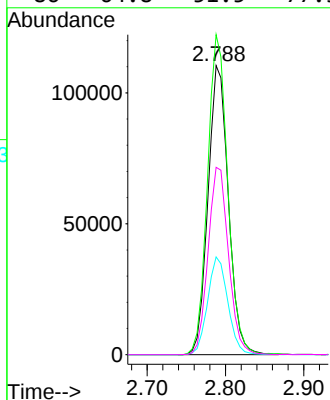
Ion Ratio Lower Upper

84 100

49 110.7 85.5 128.3

51 33.8 26.6 39.8

86 64.8 51.5 77.3



#25

2-Butanone

Concen: 1.514 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.018 min

Lab File: VX028177.D

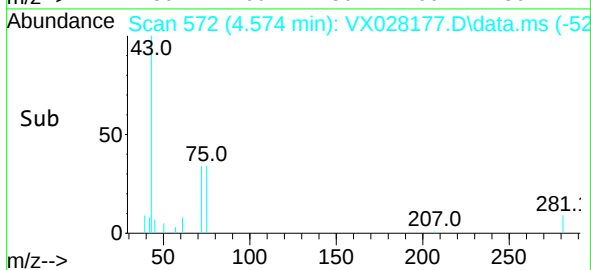
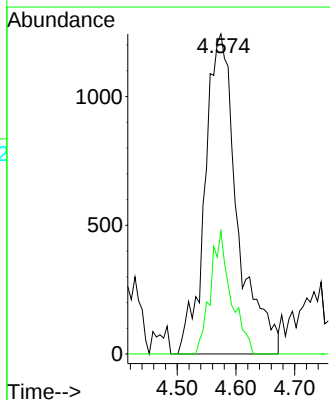
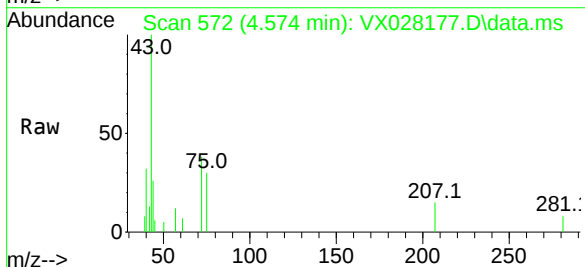
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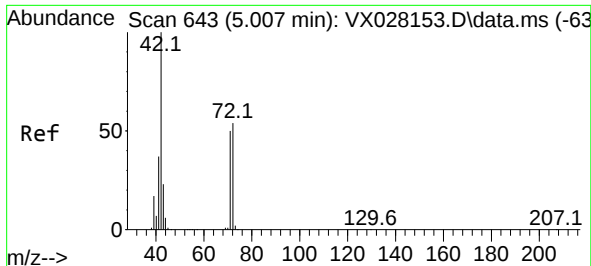
Tgt Ion: 43 Resp: 4776

Ion Ratio Lower Upper

43 100

72 38.4 24.4 36.6#





#29

Tetrahydrofuran

Concen: 0.300 ug/l

RT: 5.025 min Scan# 64

Delta R.T. 0.018 min

Lab File: VX028177.D

Acq: 19 Apr 2022 22:25

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#07

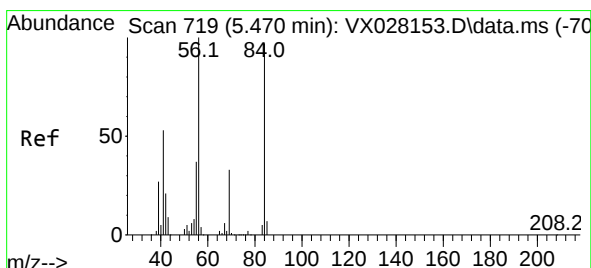
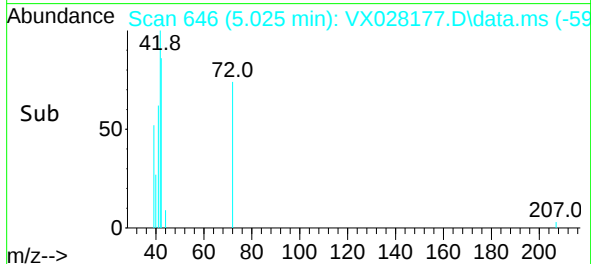
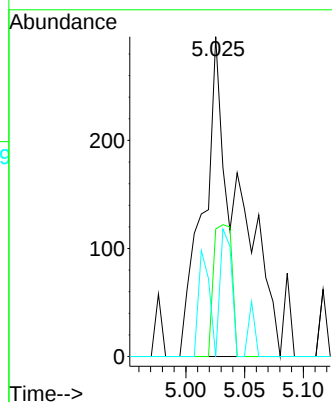
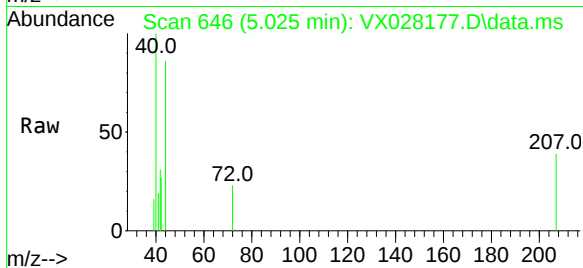
Tgt Ion: 42 Resp: 618

Ion Ratio Lower Upper

42 100

72 21.4 44.1 66.1#

71 12.9 40.5 60.7#



#31

Cyclohexane

Concen: 1.236 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX028177.D

Acq: 19 Apr 2022 22:25

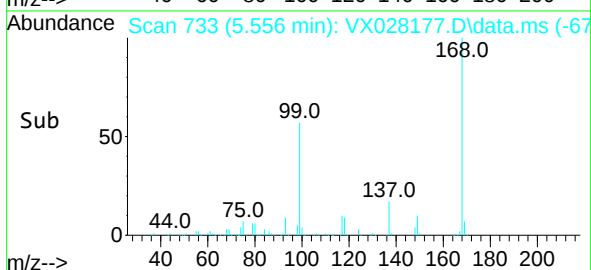
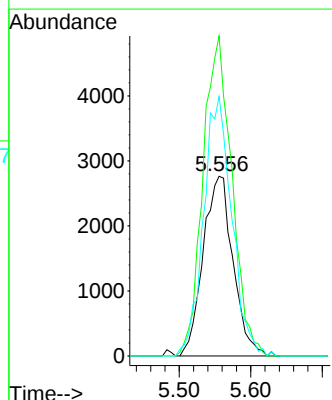
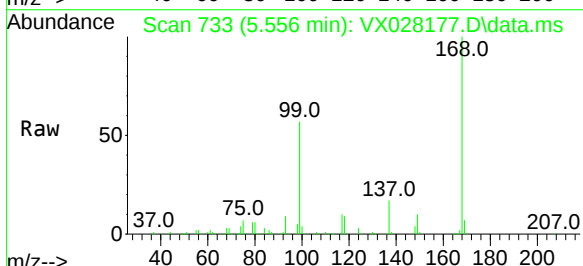
Tgt Ion: 56 Resp: 8019

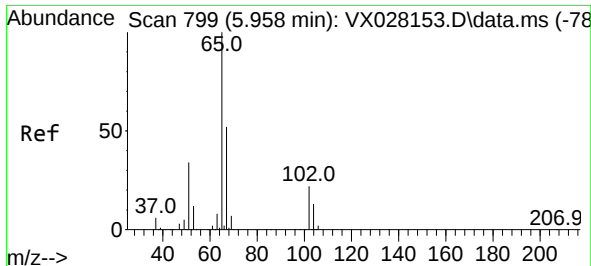
Ion Ratio Lower Upper

56 100

69 178.1 26.7 40.1#

84 144.4 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.134 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028177.D

Acq: 19 Apr 2022 22:25

Instrument :

MSVOA_X

ClientSampleId :

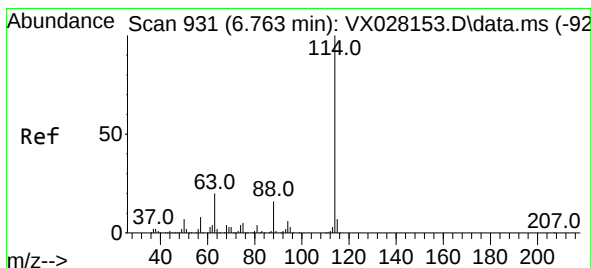
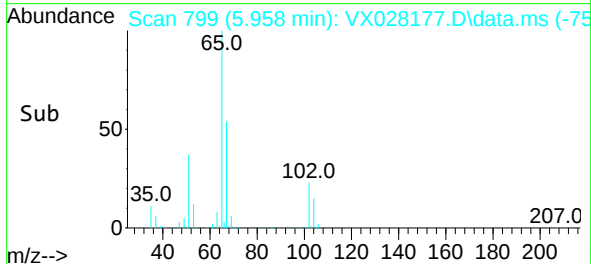
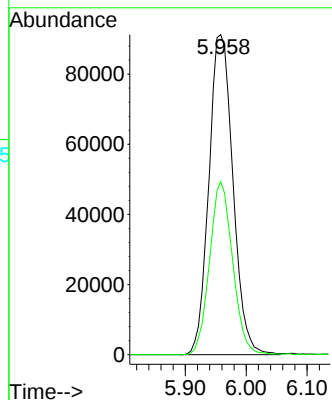
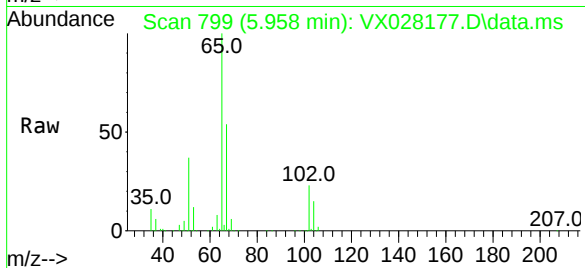
PB144164ZHE#07

Tgt Ion: 65 Resp: 251071

Ion Ratio Lower Upper

65 100

67 51.7 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: VX028177.D

Acq: 19 Apr 2022 22:25

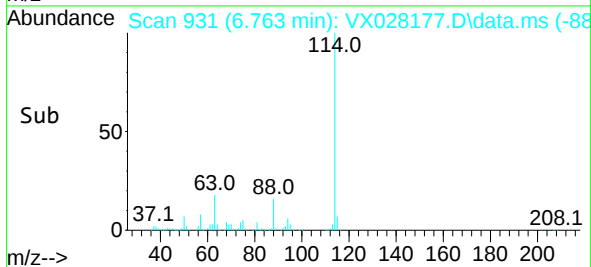
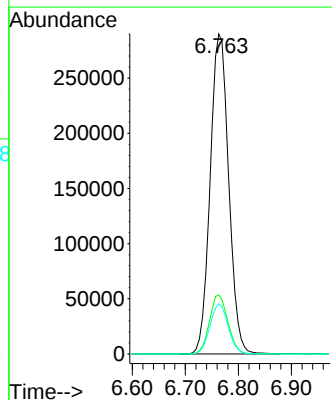
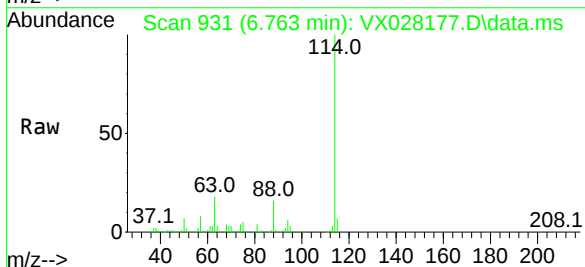
Tgt Ion: 114 Resp: 703697

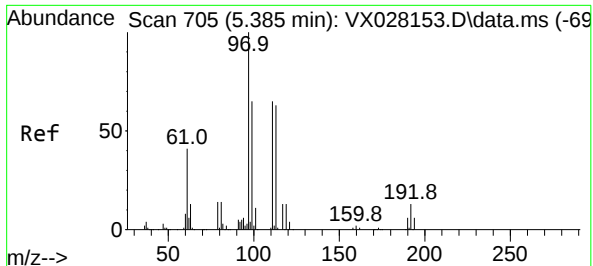
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

88 15.7 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.458 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028177.D

Acq: 19 Apr 2022 22:25

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#07

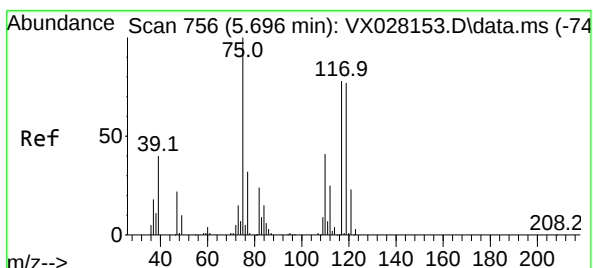
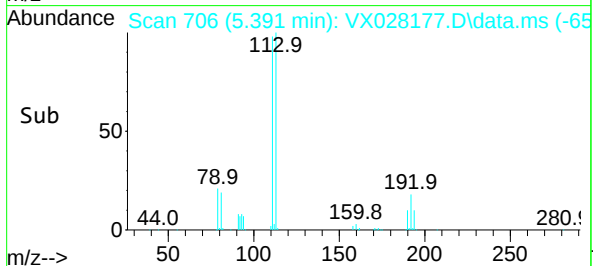
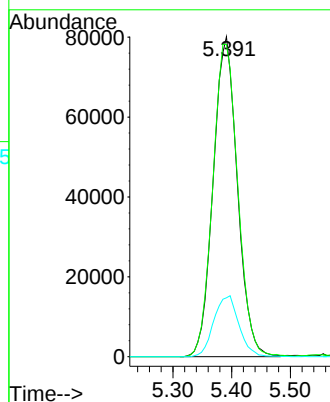
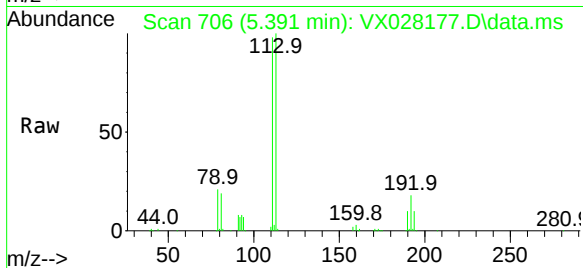
Tgt Ion:113 Resp: 229268

Ion Ratio Lower Upper

113 100

111 101.2 82.8 124.2

192 19.8 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.606 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028177.D

Acq: 19 Apr 2022 22:25

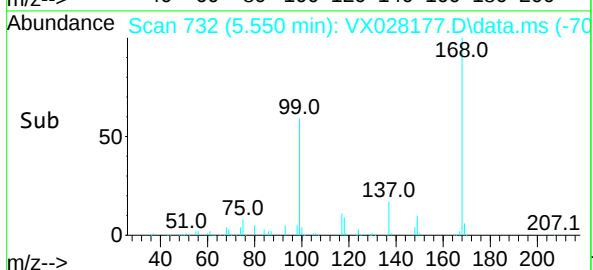
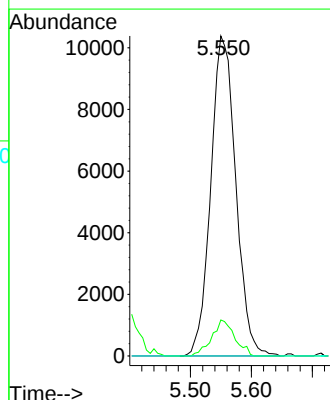
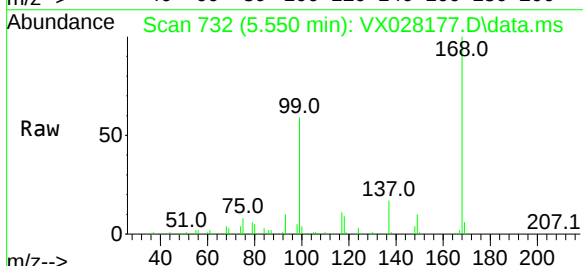
Tgt Ion: 75 Resp: 29648

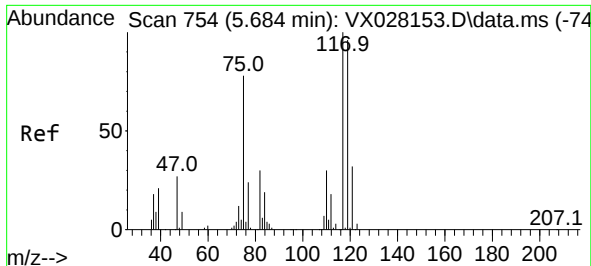
Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

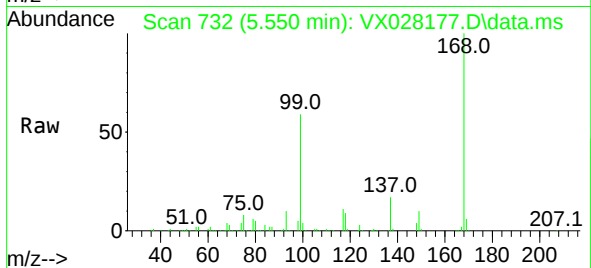
77 0.0 24.8 37.2#



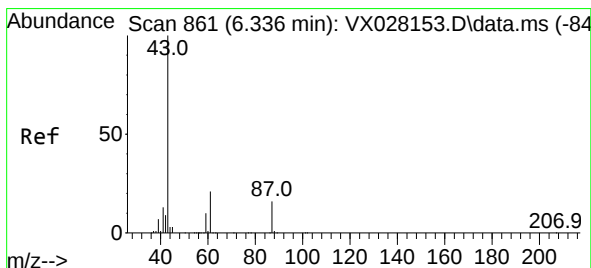
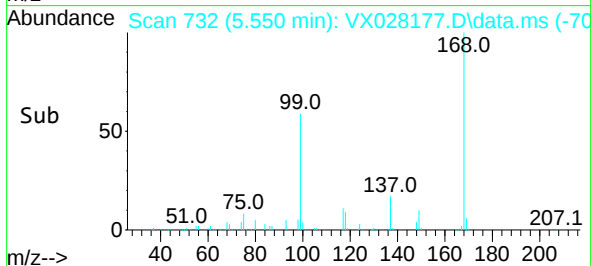
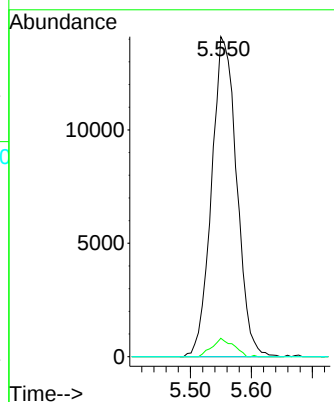


#38
Carbon Tetrachloride
Concen: 5.555 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#07

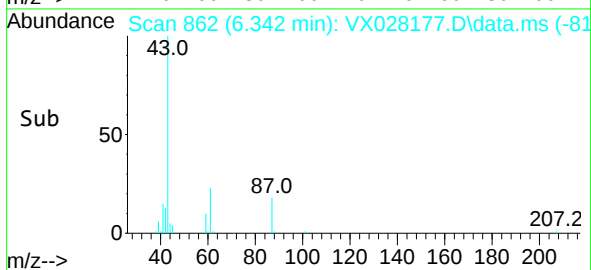
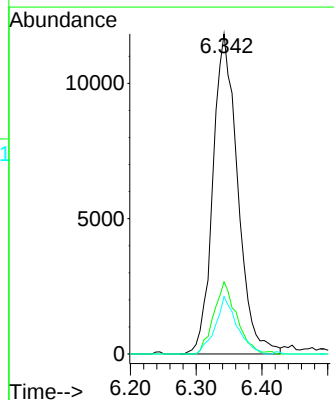
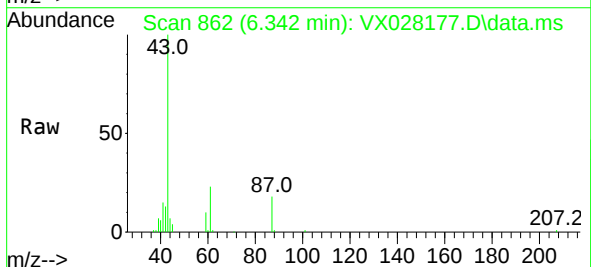


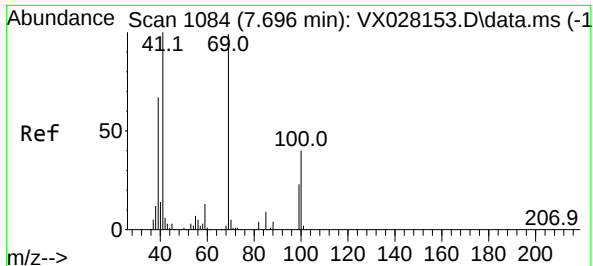
Tgt Ion:117 Resp: 40368
Ion Ratio Lower Upper
117 100
119 5.7 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.926 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Tgt Ion: 43 Resp: 31105
Ion Ratio Lower Upper
43 100
61 20.8 18.5 27.7
87 15.6 13.0 19.6

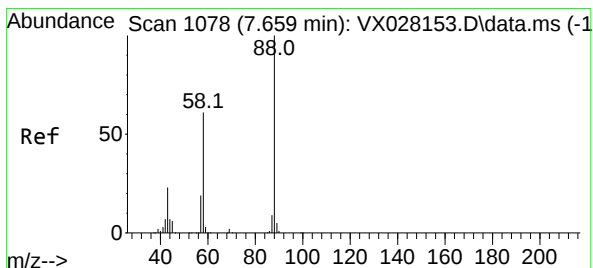
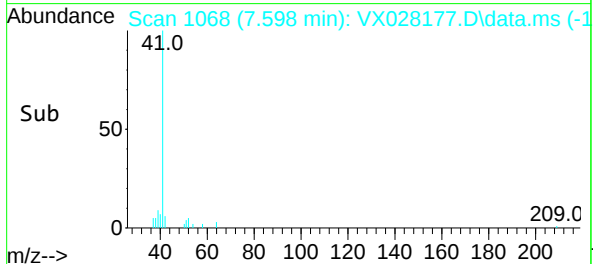
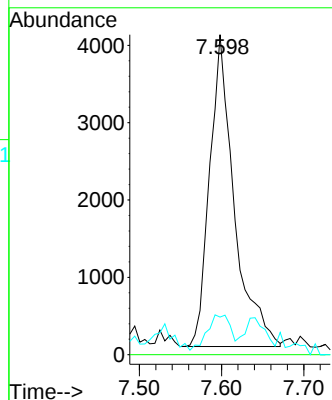
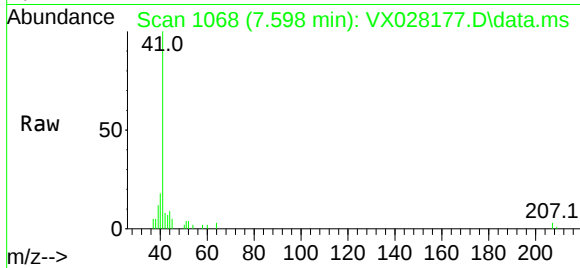




#48
Methyl methacrylate
Concen: 1.715 ug/l
RT: 7.598 min Scan# 110
Delta R.T. -0.098 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

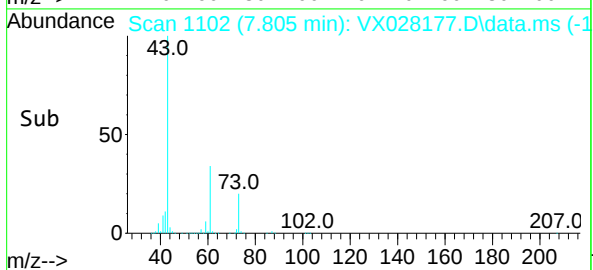
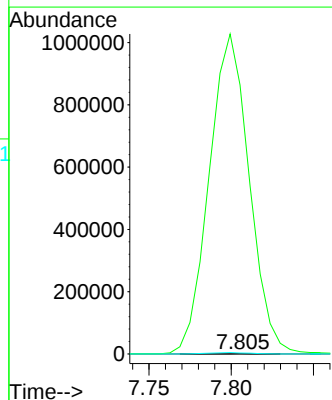
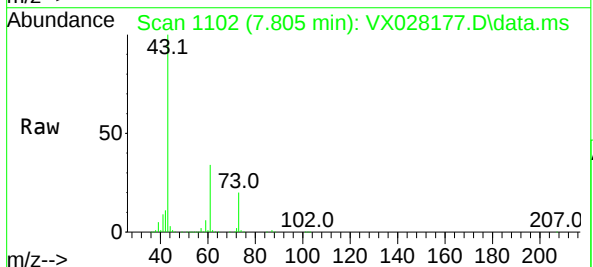
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#07

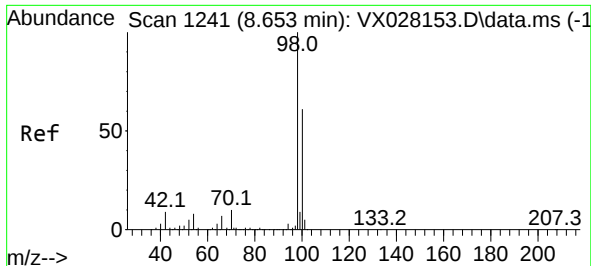
Tgt Ion: 41 Resp: 8368
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.255 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Tgt Ion: 88 Resp: 425
Ion Ratio Lower Upper
88 100
43 412395.3 21.9 32.9#
58 1825.6 53.7 80.5#

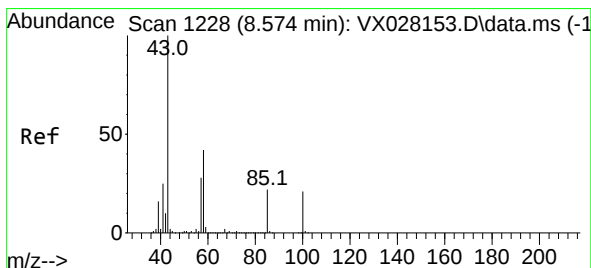
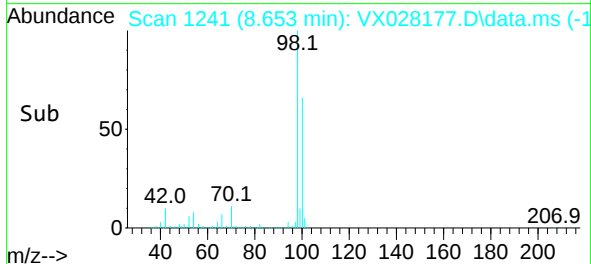
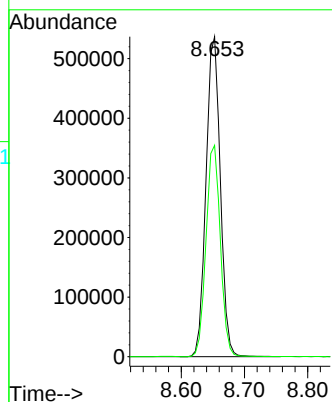
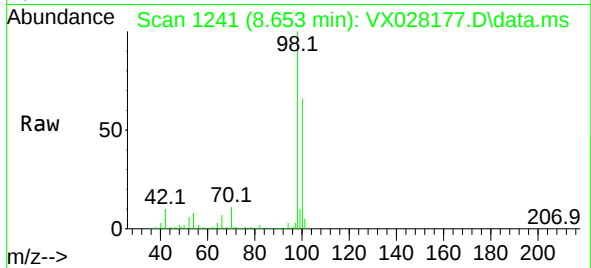




#50
Toluene-d8
Concen: 44.671 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

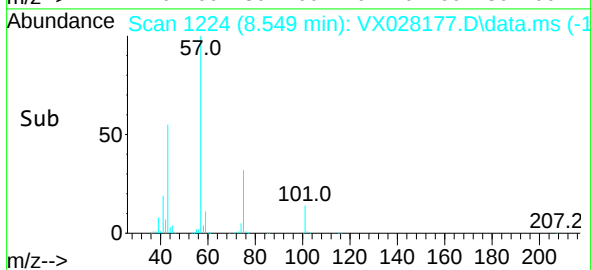
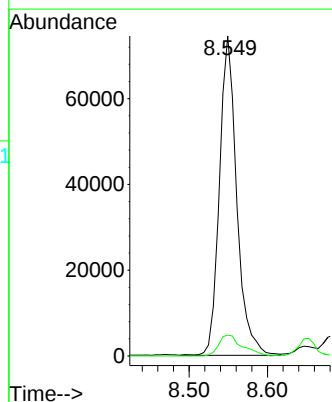
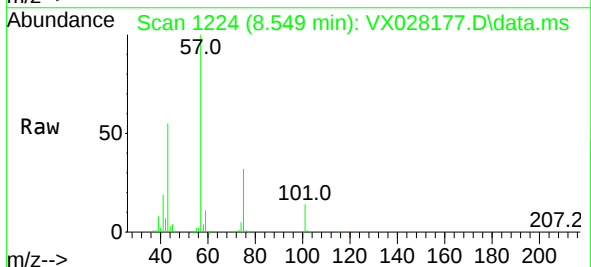
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#07

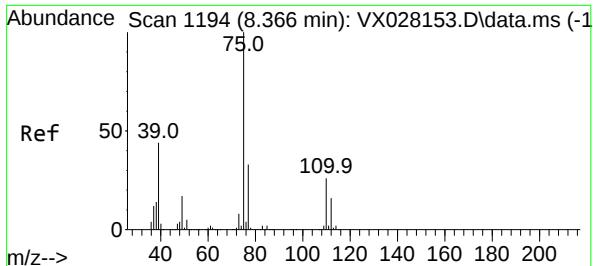
Tgt Ion: 98 Resp: 846713
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.788 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Tgt Ion: 43 Resp: 114524
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#

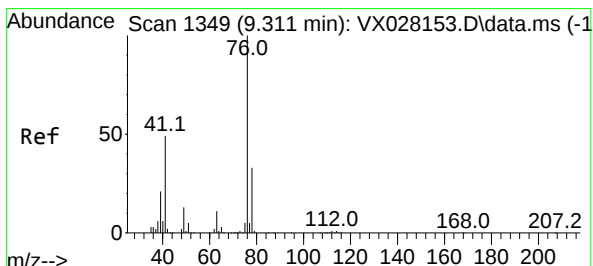
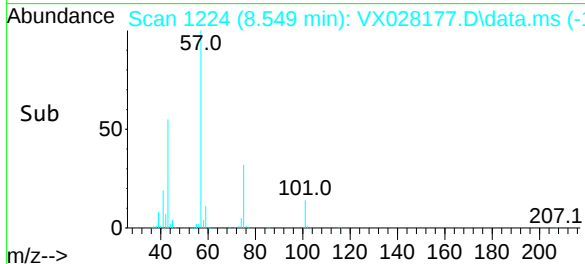
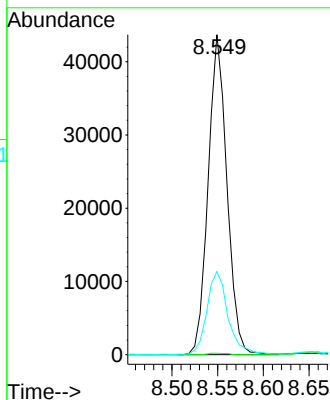
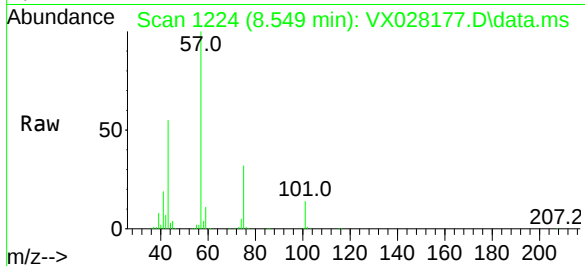




#54
 cis-1,3-Dichloropropene
 Concen: 7.848 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028177.D
 Acq: 19 Apr 2022 22:25

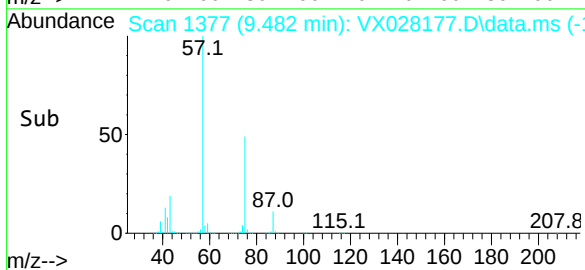
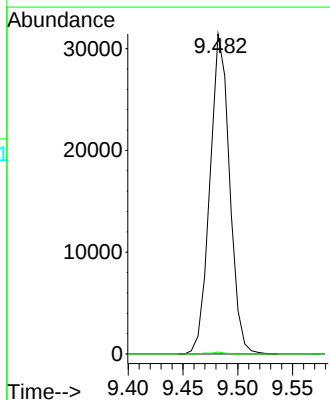
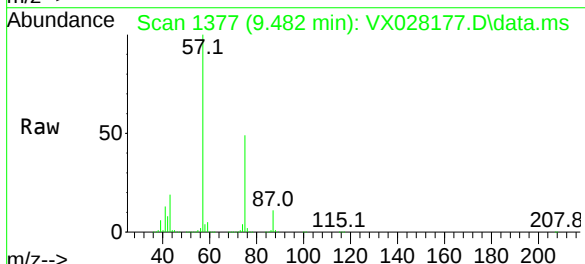
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#07

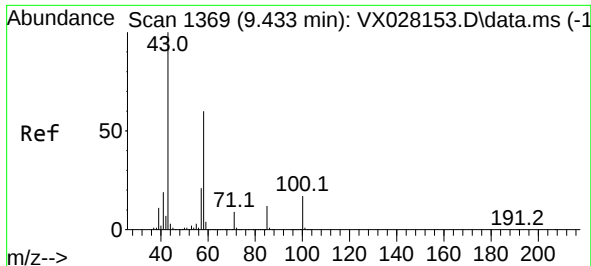
Tgt Ion: 75 Resp: 62281
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 25.9 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.580 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028177.D
 Acq: 19 Apr 2022 22:25

Tgt Ion: 76 Resp: 39318
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#

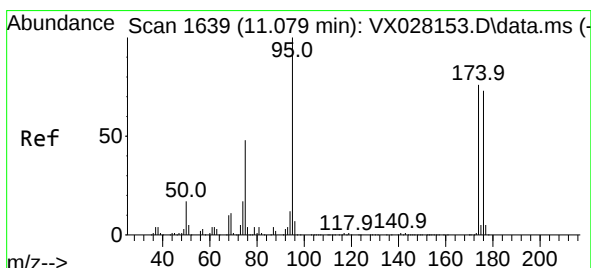
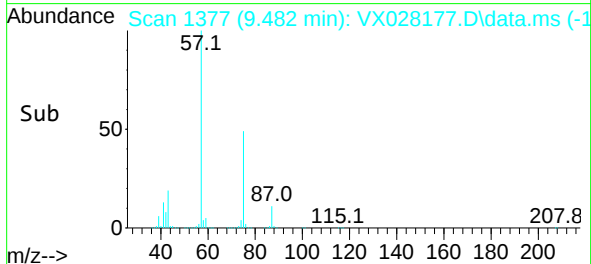
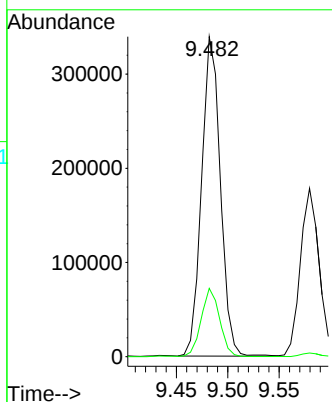
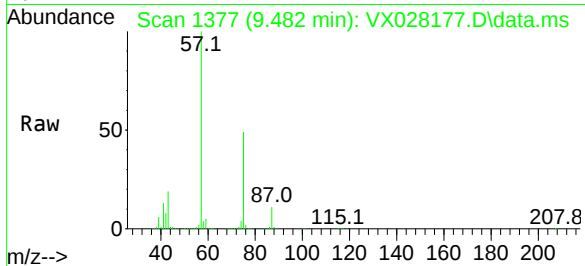




#59
2-Hexanone
Concen: 81.677 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

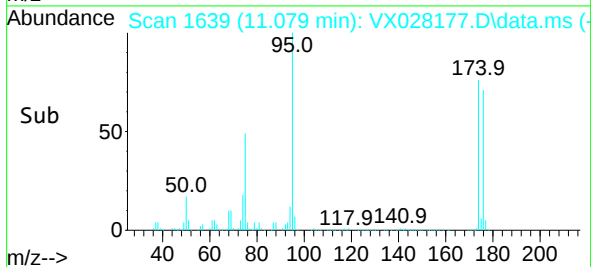
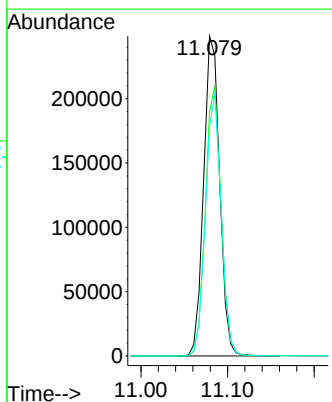
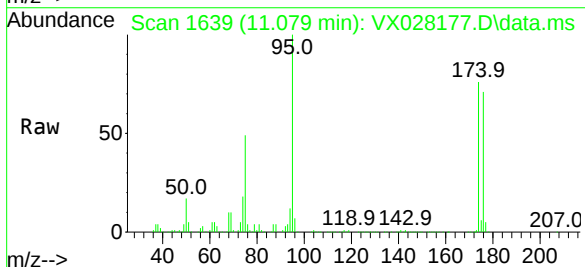
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#07

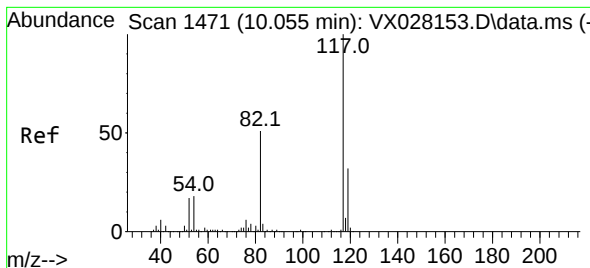
Tgt Ion: 43 Resp: 431596
Ion Ratio Lower Upper
43 100
58 20.9 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 44.012 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

Tgt Ion: 95 Resp: 318972
Ion Ratio Lower Upper
95 100
174 83.3 0.0 163.0
176 80.7 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: VX028177.D

Acq: 19 Apr 2022 22:25

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#07

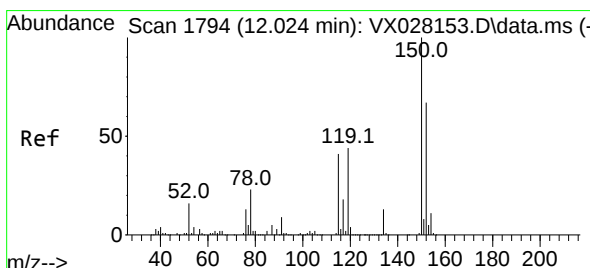
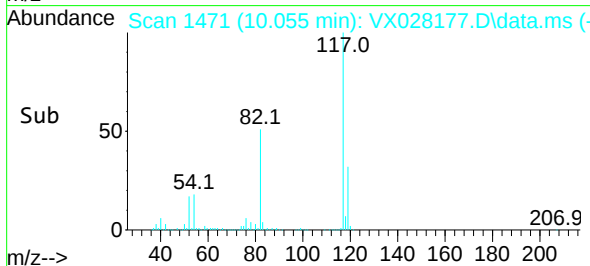
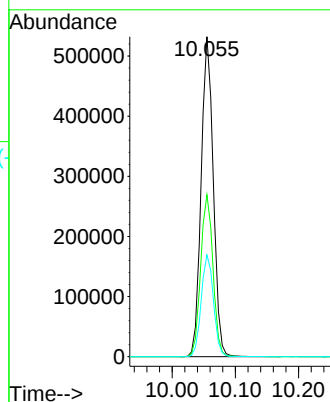
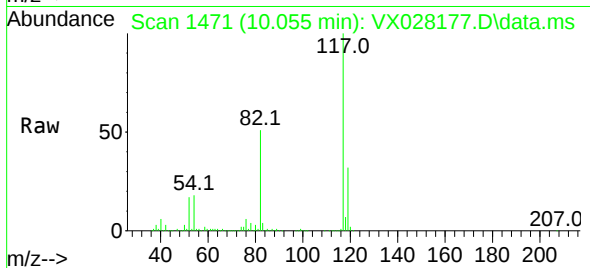
Tgt Ion:117 Resp: 711241

Ion Ratio Lower Upper

117 100

82 50.6 41.8 62.8

119 31.8 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: VX028177.D

Acq: 19 Apr 2022 22:25

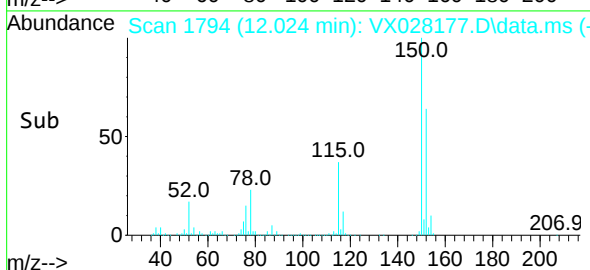
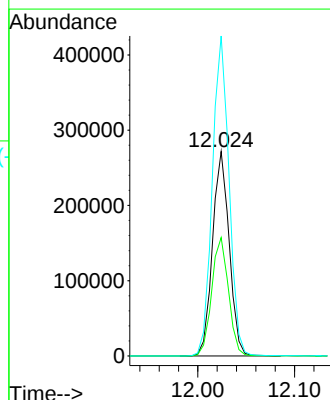
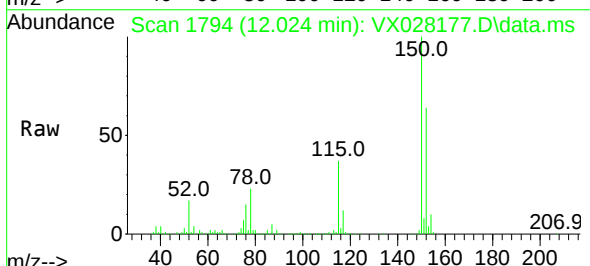
Tgt Ion:152 Resp: 325081

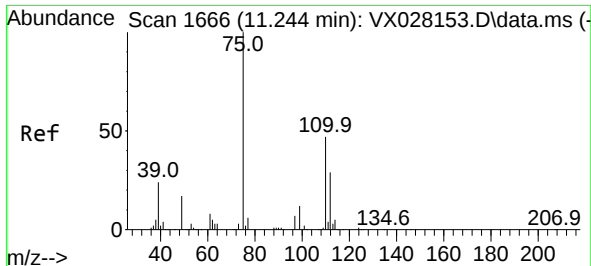
Ion Ratio Lower Upper

152 100

115 58.4 37.5 112.7

150 156.8 0.0 338.2

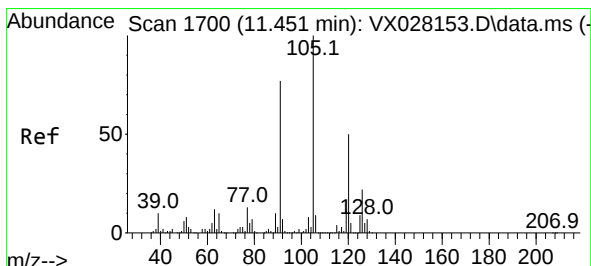
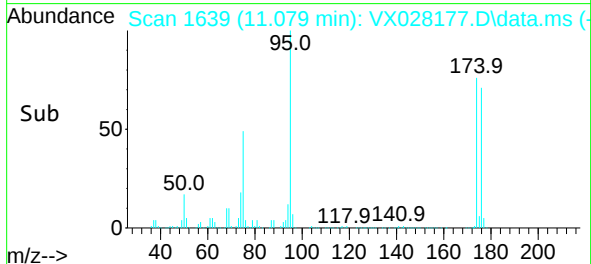
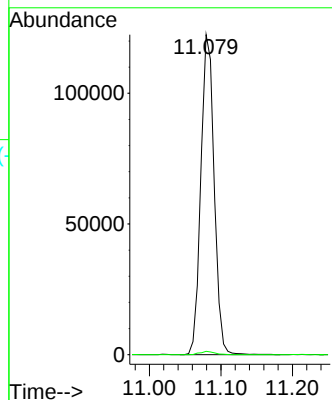
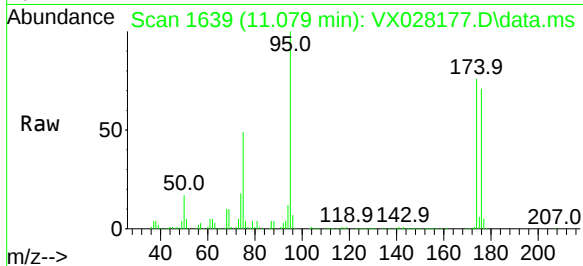




#76
1,2,3-Trichloropropane
Concen: 24.750 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

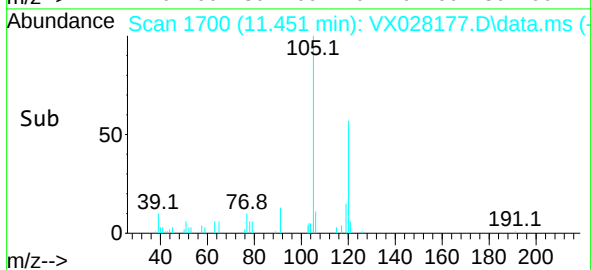
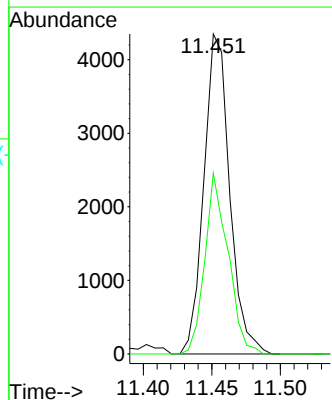
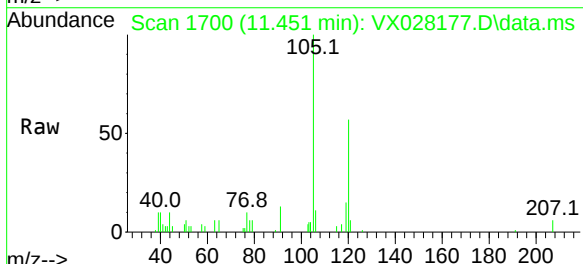
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#07

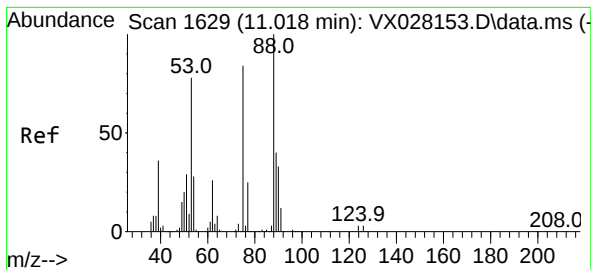
Tgt Ion: 75 Resp: 158347
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.300 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028177.D
Acq: 19 Apr 2022 22:25

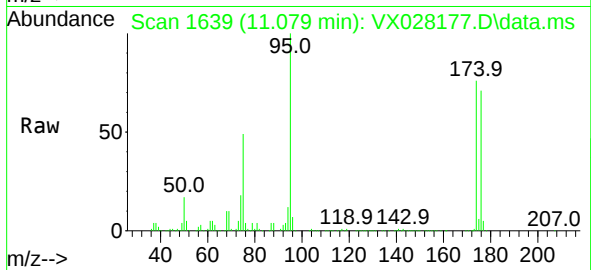
Tgt Ion: 105 Resp: 5694
Ion Ratio Lower Upper
105 100
120 50.8 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.551 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028177.D
 Acq: 19 Apr 2022 22:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#07



Tgt Ion: 75 Resp: 158347
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.1 37.0 55.6#

