

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028183.D
 Acq On : 20 Apr 2022 00:45
 Operator : JC/MD
 Sample : PB144164ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#13

Quant Time: Apr 20 09:59:22 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)

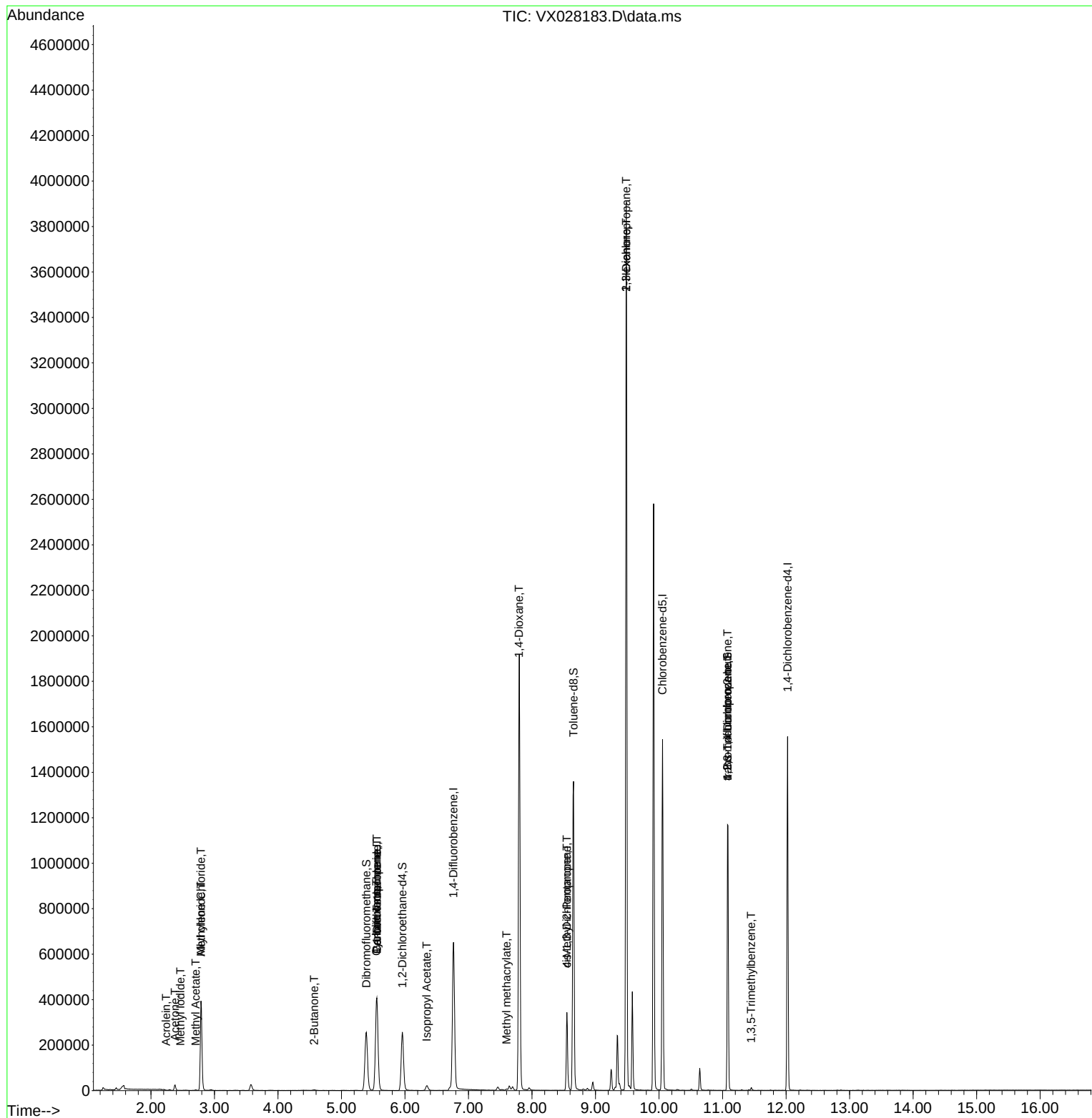
Internal Standards						
1) Pentafluorobenzene	5.556	168	398887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	686221	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	701388	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	318480	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	245127	47.131	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.260%
35) Dibromofluoromethane	5.391	113	221992	46.129	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	92.260%
50) Toluene-d8	8.653	98	833389	45.088	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	90.180%
62) 4-Bromofluorobenzene	11.079	95	313433	44.350	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.700%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	445	Below Cal	#	73
5) Bromomethane	1.611	94	642	Below Cal	#	75
6) Chloroethane	1.691	64	298	Below Cal	#	43
8) Diethyl Ether	2.136	74	220	Below Cal	#	20
10) Methyl Iodide	2.465	142	209	5.277	ug/l #	41
11) Tert butyl alcohol	2.946	59	2192	Below Cal	#	75
13) Acrolein	2.239	56	248	0.389	ug/l #	63
14) Allyl chloride	2.788	41	5583	1.085	ug/l #	28
16) Acetone	2.379	43	25776	14.913	ug/l	89
18) Methyl Acetate	2.703	43	3204	0.693	ug/l	97
20) Methylene Chloride	2.788	84	182116	47.192	ug/l	97
25) 2-Butanone	4.568	43	4219	1.370	ug/l	91
31) Cyclohexane	5.550	56	7404	1.168	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	29169	4.647	ug/l #	50
38) Carbon Tetrachloride	5.556	117	39926	5.634	ug/l #	15
43) Isopropyl Acetate	6.342	43	29363	2.833	ug/l	97
48) Methyl methacrylate	7.598	41	7248	1.523	ug/l #	7
49) 1,4-Dioxane	7.793	88	336	2.639	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	108178	16.262	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	57370	7.413	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	38067	4.547	ug/l #	43
59) 2-Hexanone	9.482	43	422349	81.962	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	157735	25.166	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	5392	0.290	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	157735	74.785	ug/l #	15

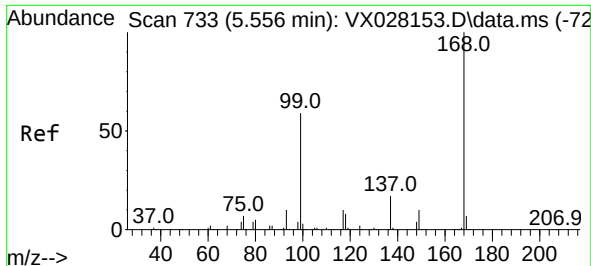
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
Data File : VX028183.D
Acq On : 20 Apr 2022 00:45
Operator : JC/MD
Sample : PB144164ZHE#13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 38 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#13

Quant Time: Apr 20 09:59:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
Response via : Initial Calibration

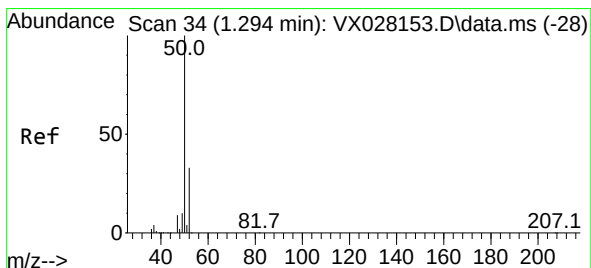
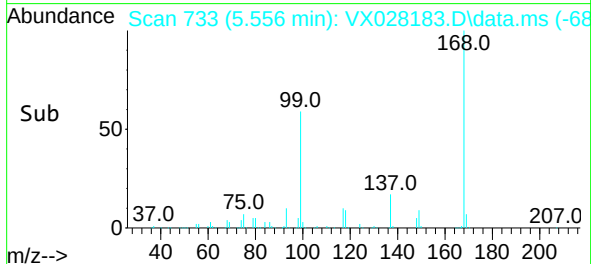
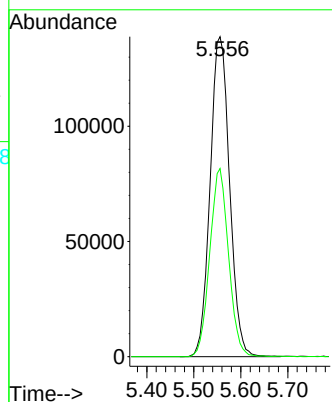
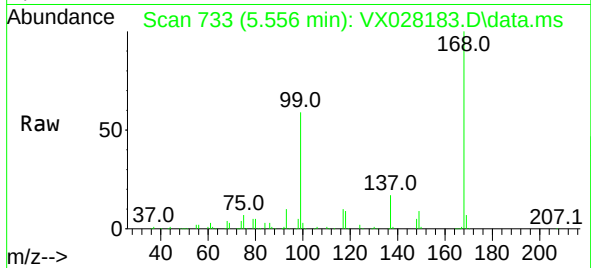




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

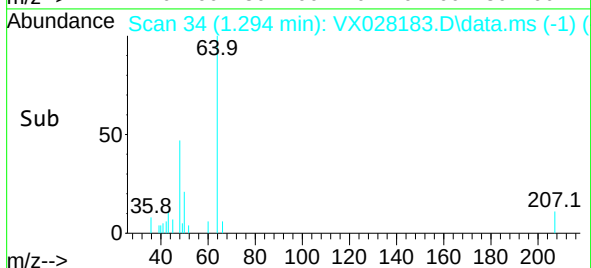
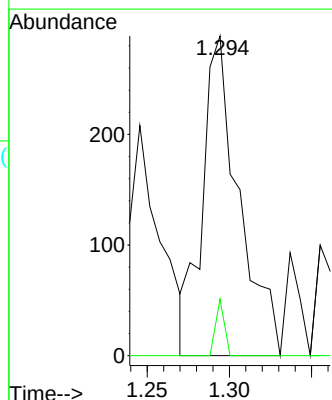
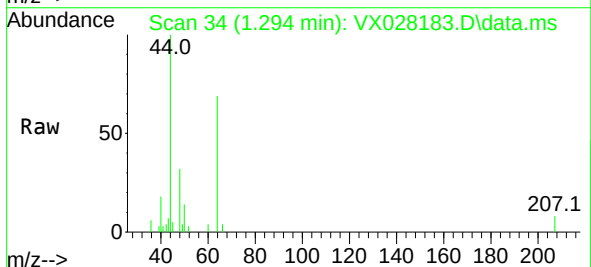
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#13

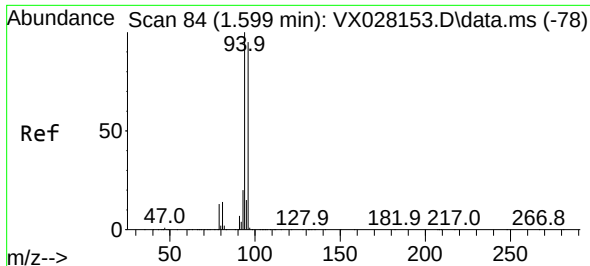
Tgt Ion:168 Resp: 398887
Ion Ratio Lower Upper
168 100
99 58.8 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

Tgt Ion: 50 Resp: 445
Ion Ratio Lower Upper
50 100
52 17.6 26.4 39.6#

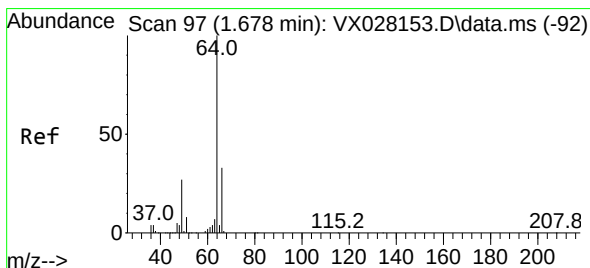
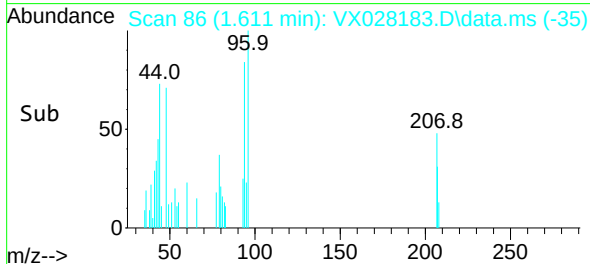
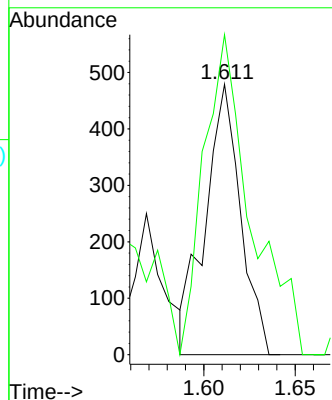
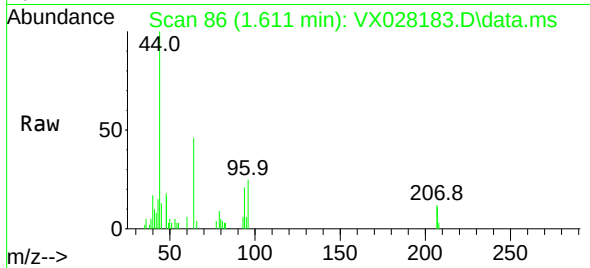




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

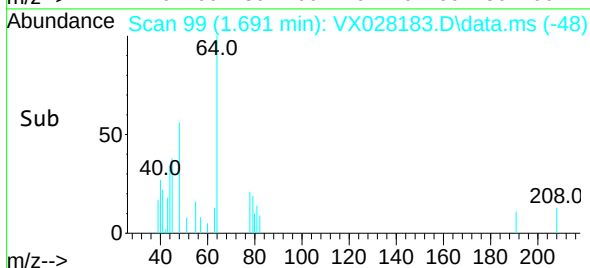
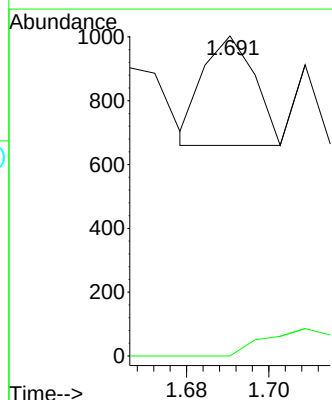
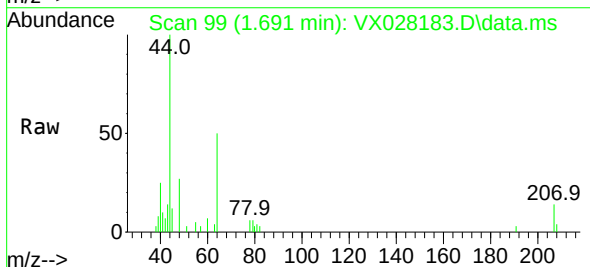
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#13

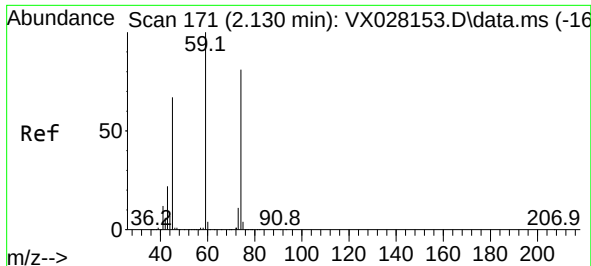
Tgt Ion: 94 Resp: 642
Ion Ratio Lower Upper
94 100
96 118.4 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

Tgt Ion: 64 Resp: 298
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

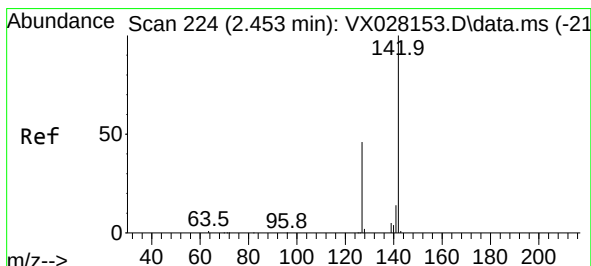
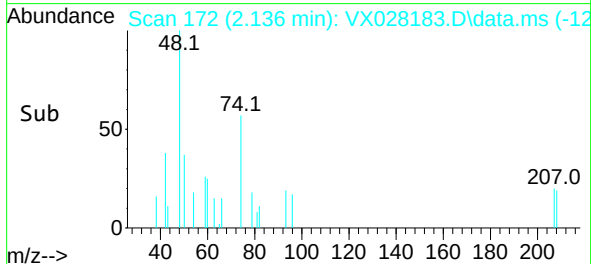
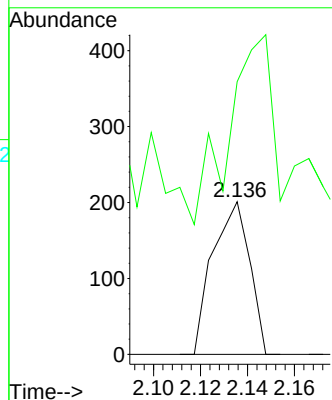
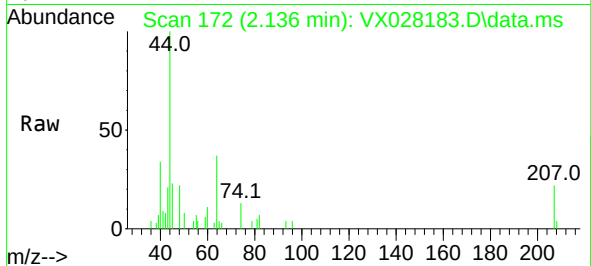




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

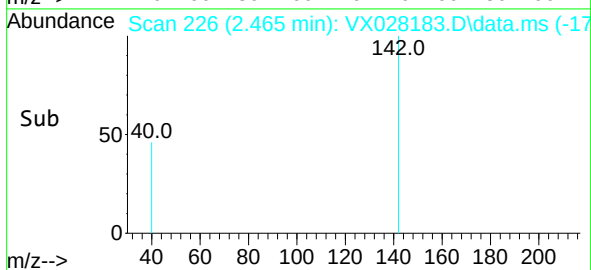
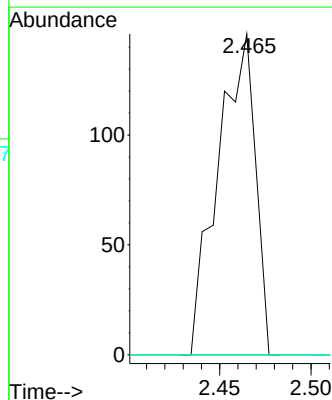
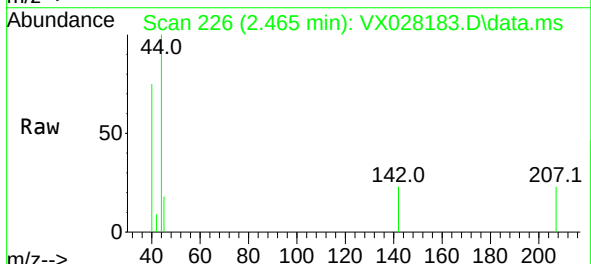
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#13

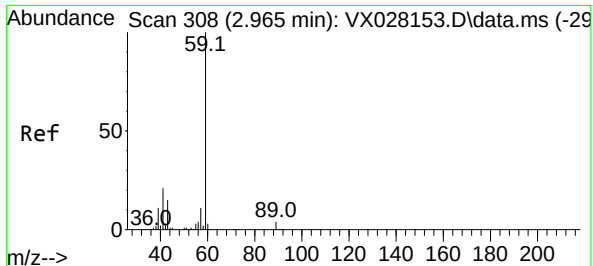
Tgt Ion: 74 Resp: 220
Ion Ratio Lower Upper
74 100
45 156.4 42.0 126.0#



#10
Methyl Iodide
Concen: 5.277 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

Tgt Ion: 142 Resp: 209
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#

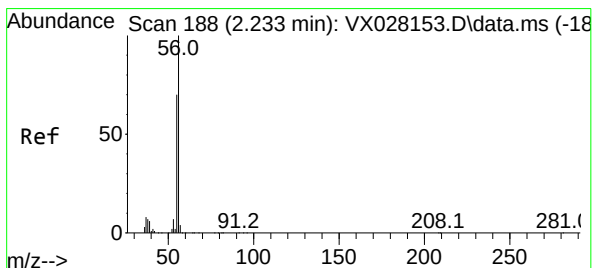
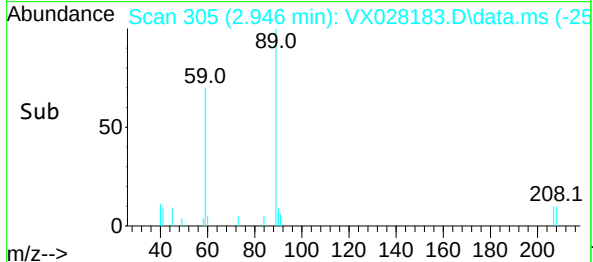
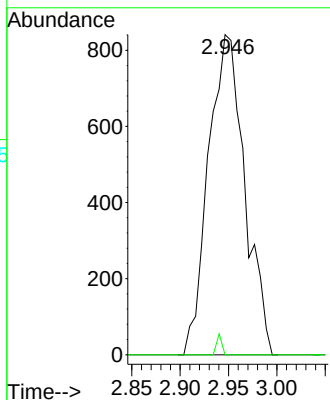
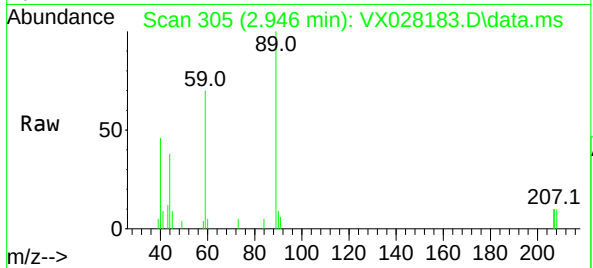




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.946 min Scan# 308
Delta R.T. -0.019 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

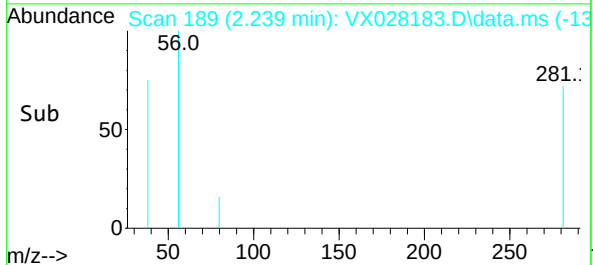
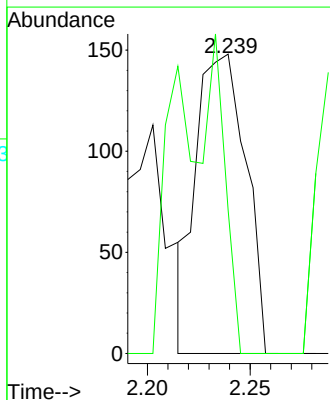
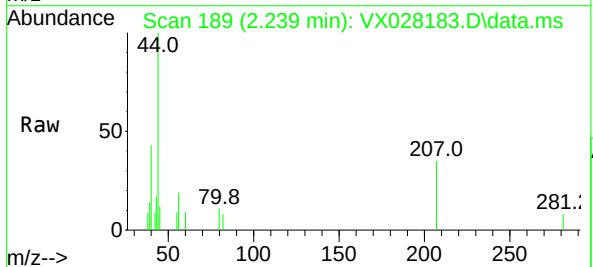
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#13

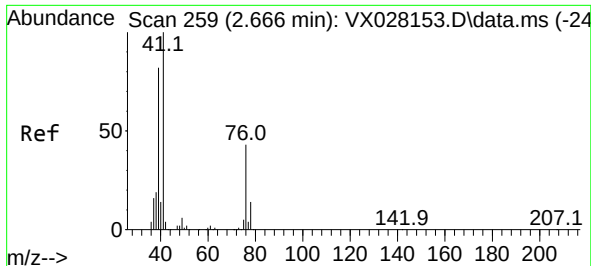
Tgt Ion: 59 Resp: 2192
Ion Ratio Lower Upper
59 100
57 0.9 8.3 12.5#



#13
Acrolein
Concen: 0.389 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

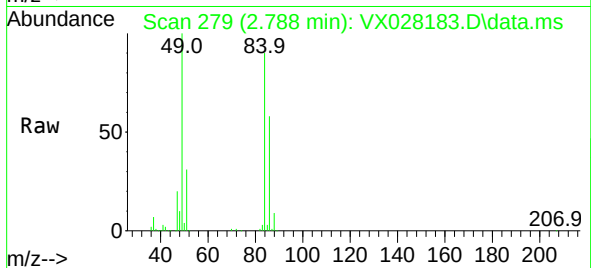
Tgt Ion: 56 Resp: 248
Ion Ratio Lower Upper
56 100
55 99.2 55.0 82.6#



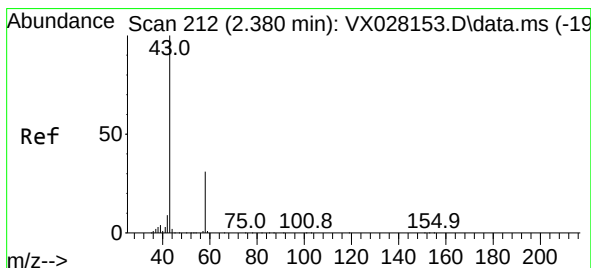
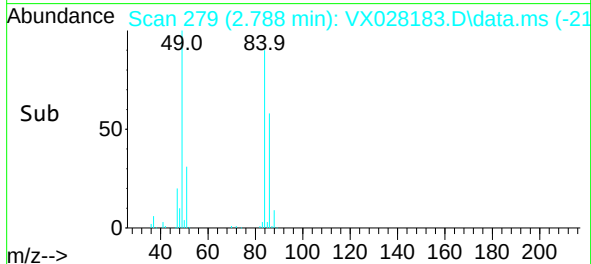
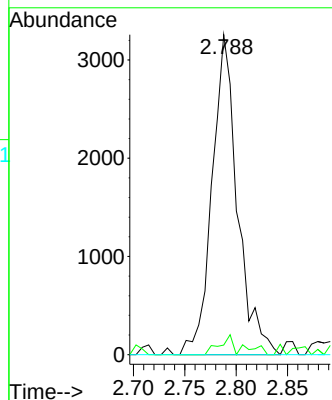


#14
 Allyl chloride
 Concen: 1.085 ug/l
 RT: 2.788 min Scan# 21
 Delta R.T. 0.122 min
 Lab File: VX028183.D
 Acq: 20 Apr 2022 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#13

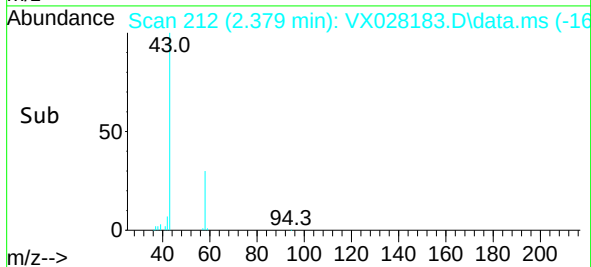
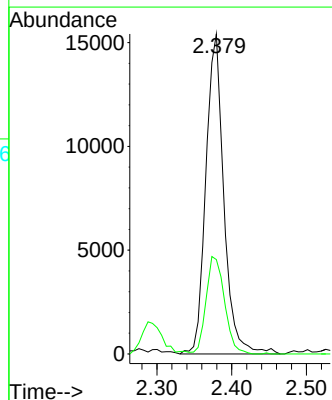
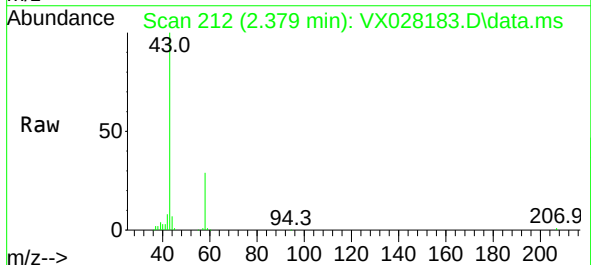


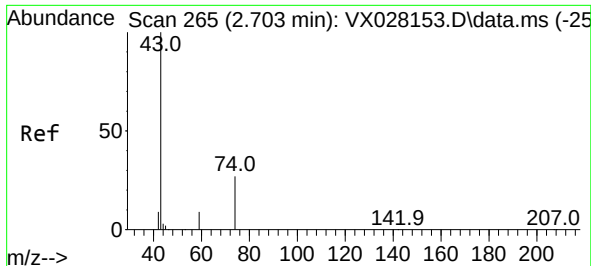
Tgt Ion: 41 Resp: 5583
 Ion Ratio Lower Upper
 41 100
 39 4.1 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 14.913 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.001 min
 Lab File: VX028183.D
 Acq: 20 Apr 2022 00:45

Tgt Ion: 43 Resp: 25776
 Ion Ratio Lower Upper
 43 100
 58 29.5 28.8 43.2





#18

Methyl Acetate

Concen: 0.693 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.000 min

Lab File: VX028183.D

Acq: 20 Apr 2022 00:45

Instrument :

MSVOA_X

ClientSampleId :

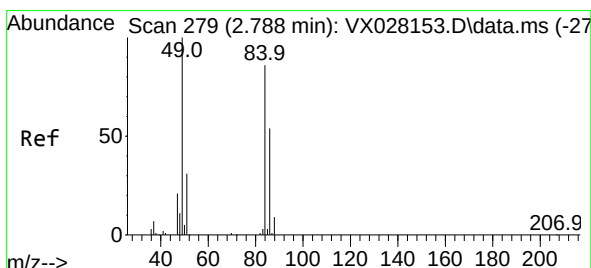
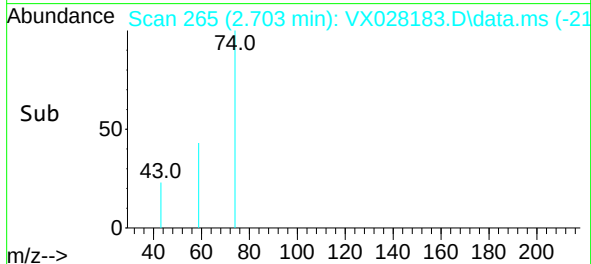
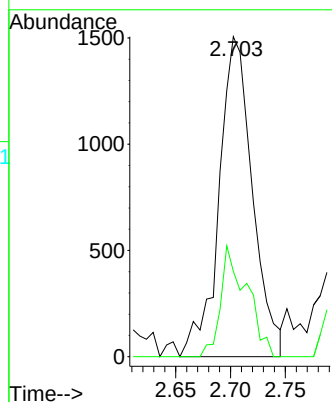
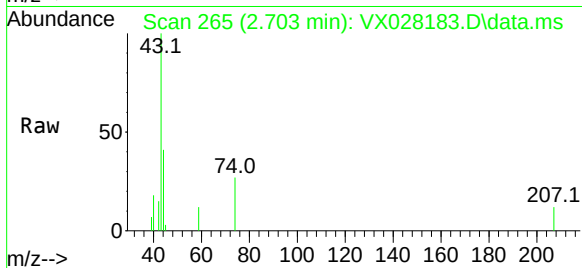
PB144164ZHE#13

Tgt Ion: 43 Resp: 3204

Ion Ratio Lower Upper

43 100

74 27.2 22.8 34.2



#20

Methylene Chloride

Concen: 47.192 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX028183.D

Acq: 20 Apr 2022 00:45

Tgt Ion: 84 Resp: 182116

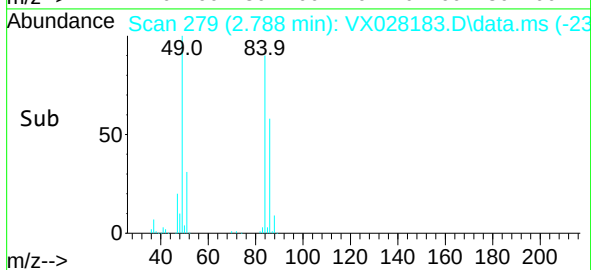
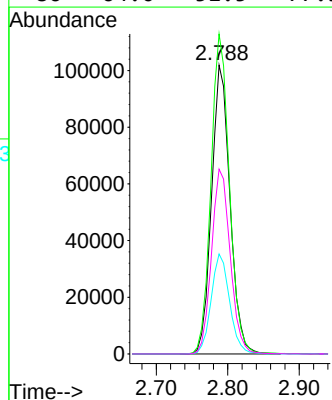
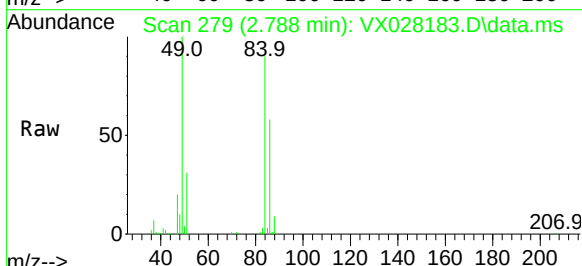
Ion Ratio Lower Upper

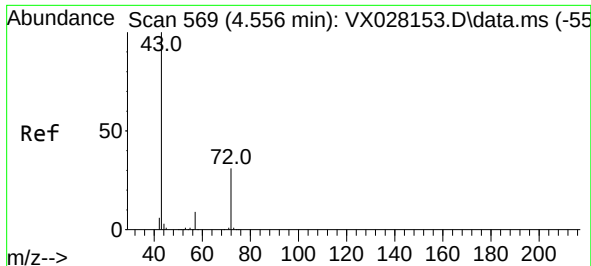
84 100

49 110.8 85.5 128.3

51 34.6 26.6 39.8

86 64.0 51.5 77.3





#25

2-Butanone

Concen: 1.370 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX028183.D

Acq: 20 Apr 2022 00:45

Instrument :

MSVOA_X

ClientSampleId :

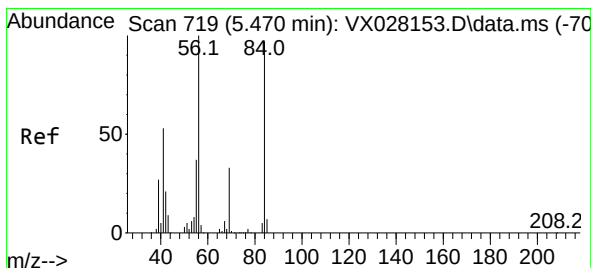
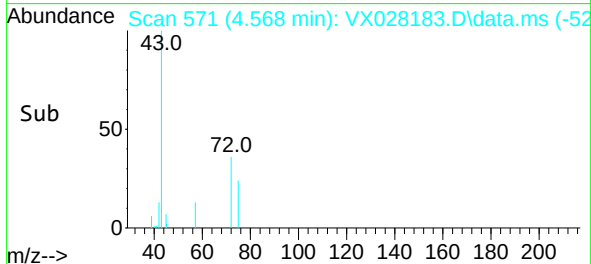
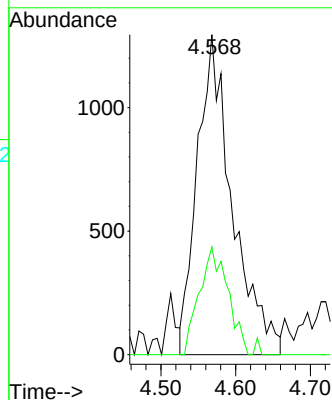
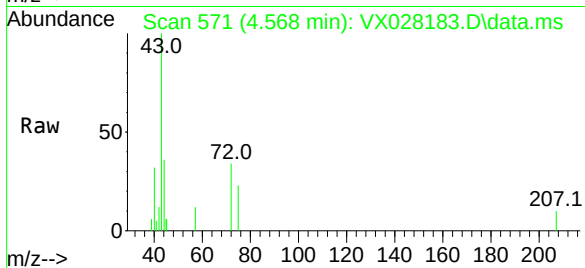
PB144164ZHE#13

Tgt Ion: 43 Resp: 4219

Ion Ratio Lower Upper

43 100

72 35.6 24.4 36.6



#31

Cyclohexane

Concen: 1.168 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028183.D

Acq: 20 Apr 2022 00:45

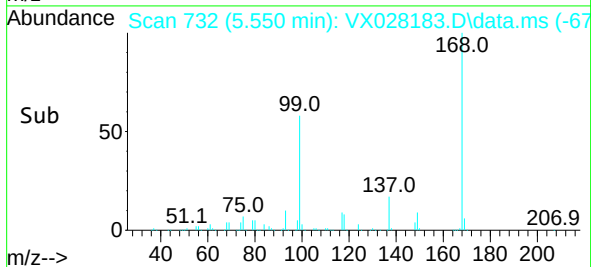
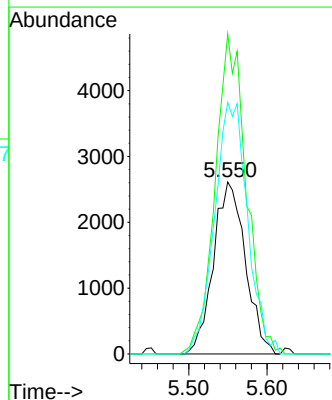
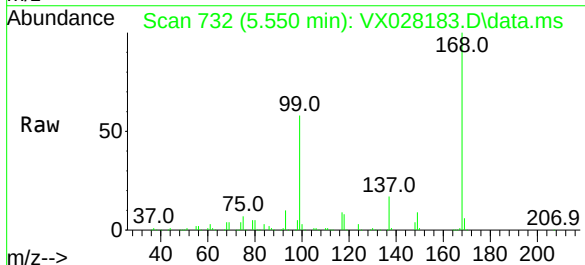
Tgt Ion: 56 Resp: 7404

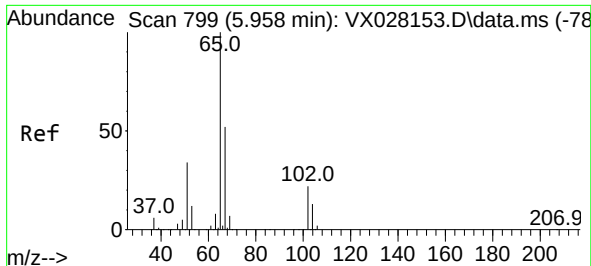
Ion Ratio Lower Upper

56 100

69 186.0 26.7 40.1#

84 146.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.131 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028183.D

Acq: 20 Apr 2022 00:45

Instrument :

MSVOA_X

ClientSampleId :

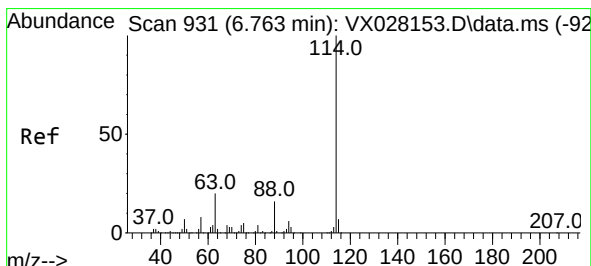
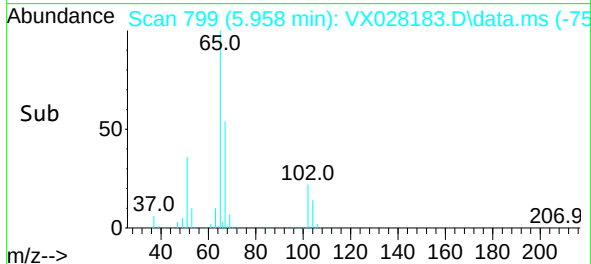
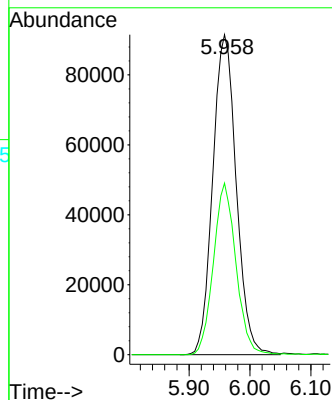
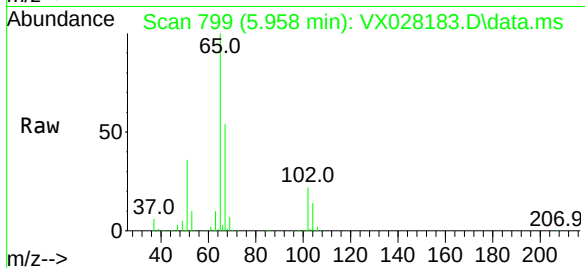
PB144164ZHE#13

Tgt Ion: 65 Resp: 245127

Ion Ratio Lower Upper

65 100

67 51.4 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: VX028183.D

Acq: 20 Apr 2022 00:45

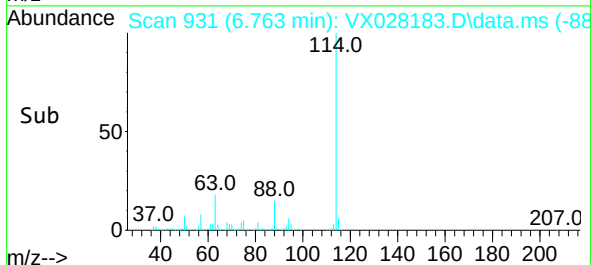
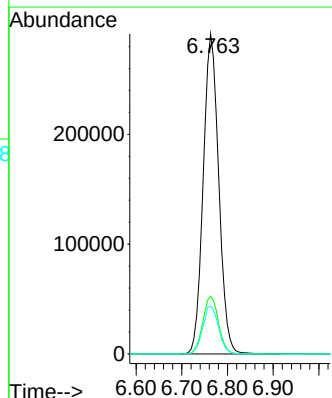
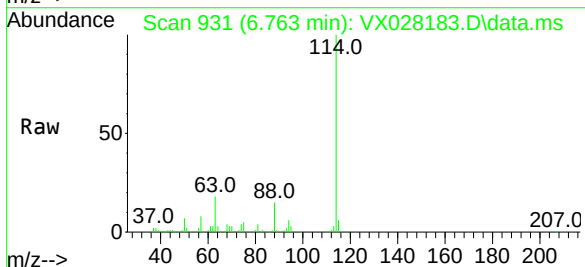
Tgt Ion: 114 Resp: 686221

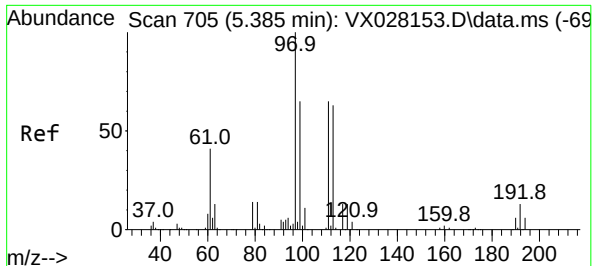
Ion Ratio Lower Upper

114 100

63 18.1 0.0 36.8

88 14.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.129 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028183.D

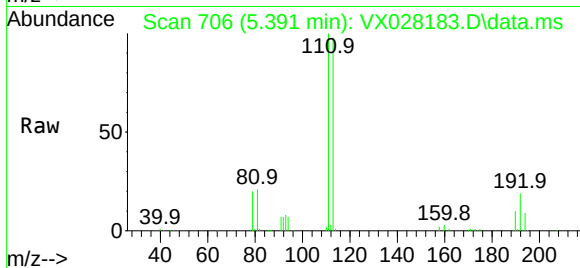
Acq: 20 Apr 2022 00:45

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#13



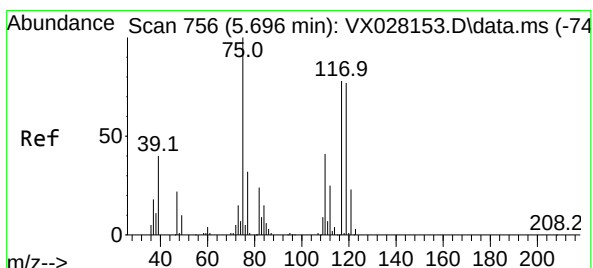
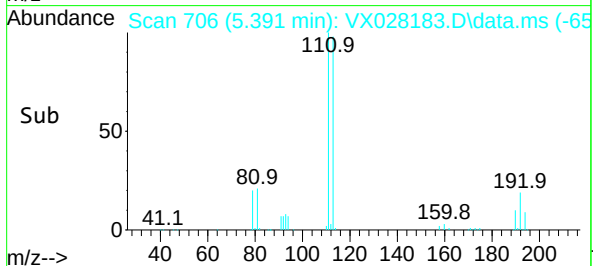
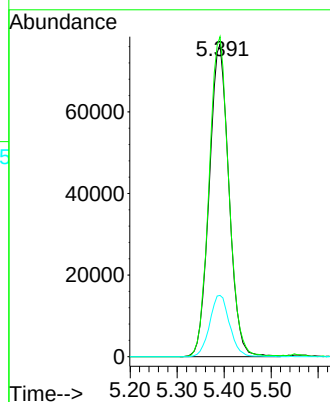
Tgt Ion:113 Resp: 221992

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 19.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.647 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028183.D

Acq: 20 Apr 2022 00:45

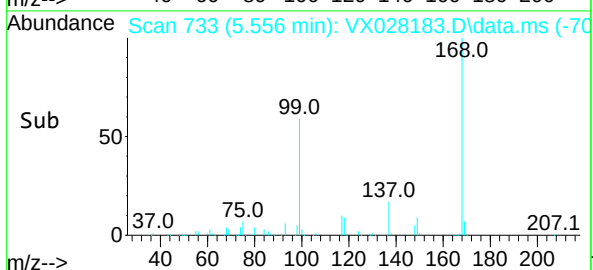
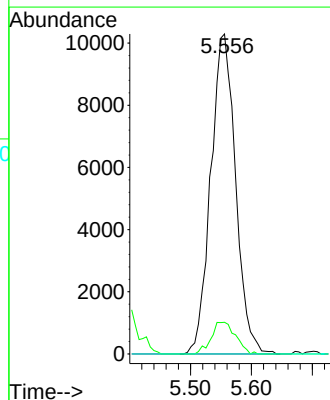
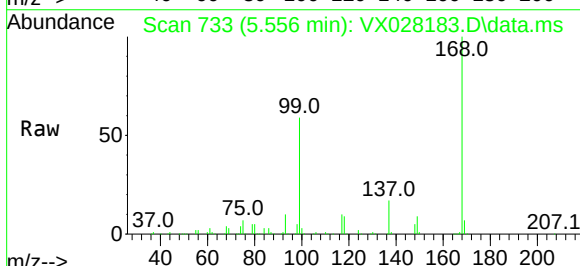
Tgt Ion: 75 Resp: 29169

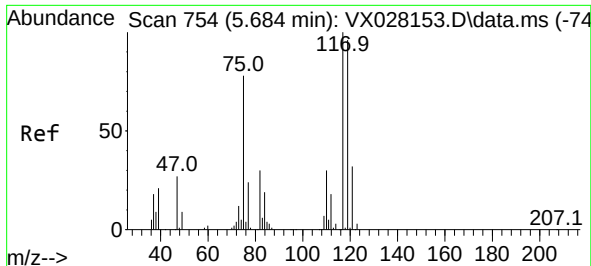
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

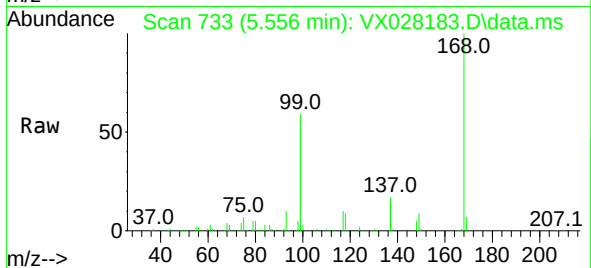
77 0.0 24.8 37.2#



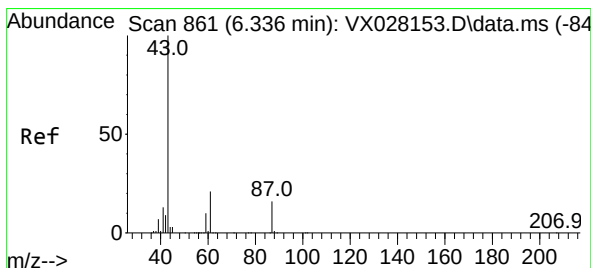
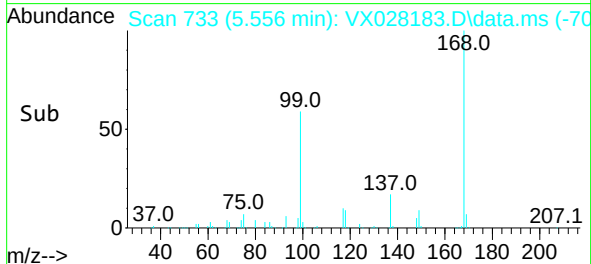
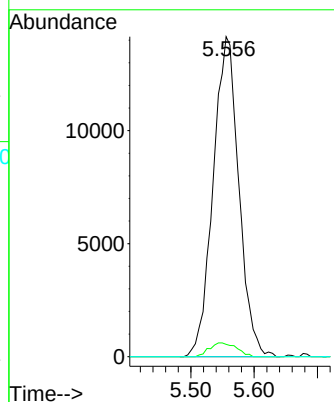


#38
Carbon Tetrachloride
Concen: 5.634 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#13

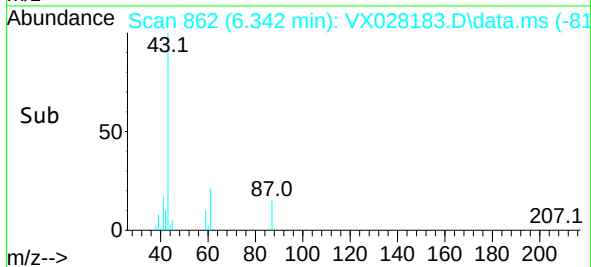
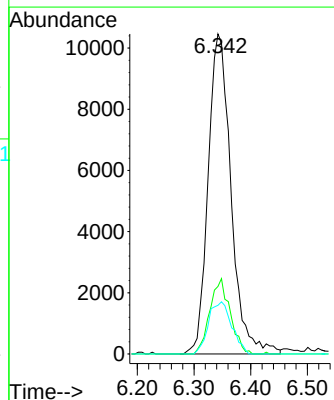
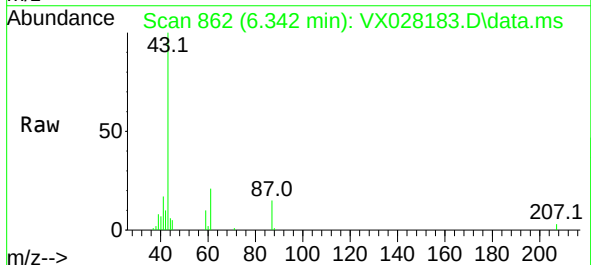


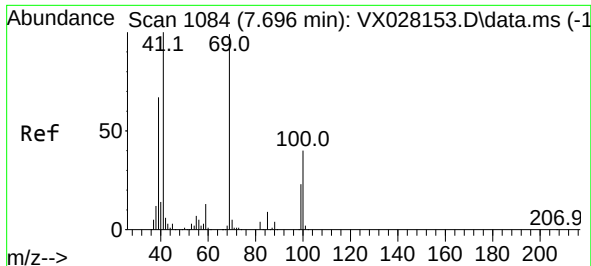
Tgt Ion:117 Resp: 39926
Ion Ratio Lower Upper
117 100
119 3.9 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.833 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

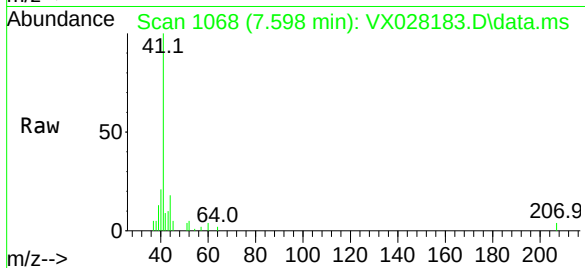
Tgt Ion: 43 Resp: 29363
Ion Ratio Lower Upper
43 100
61 20.9 18.5 27.7
87 16.5 13.0 19.6



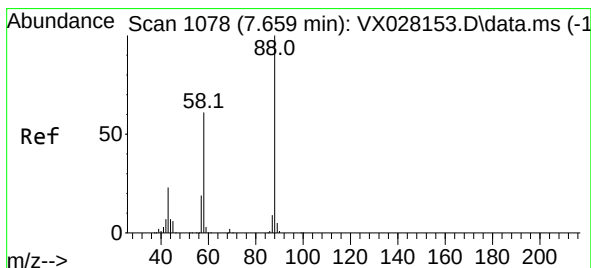
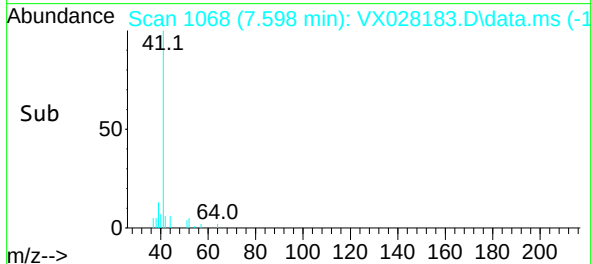
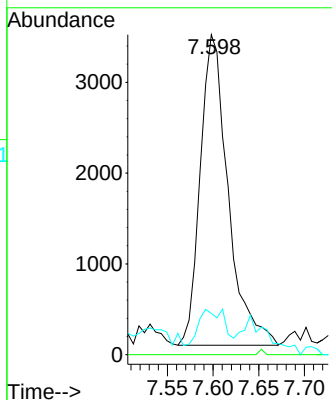


#48
Methyl methacrylate
Concen: 1.523 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#13

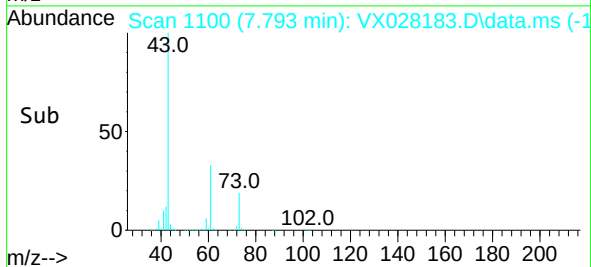
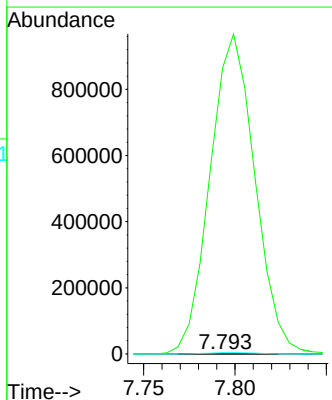
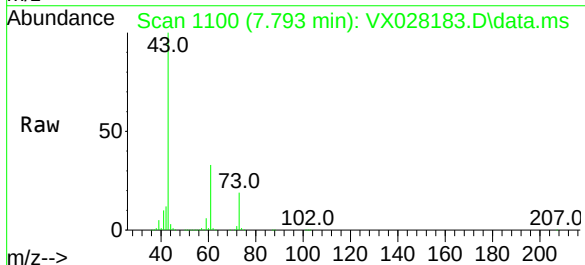


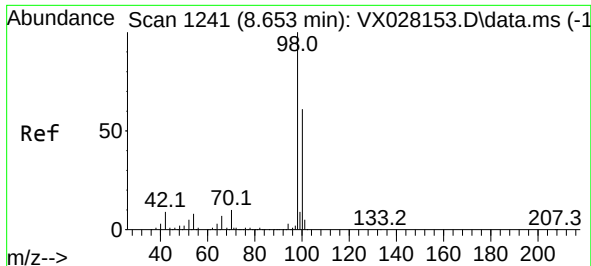
Tgt Ion: 41 Resp: 7248
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.639 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

Tgt Ion: 88 Resp: 336
Ion Ratio Lower Upper
88 100
43 494498.8 21.9 32.9#
58 2155.1 53.7 80.5#

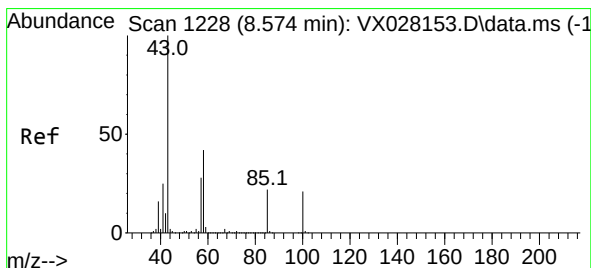
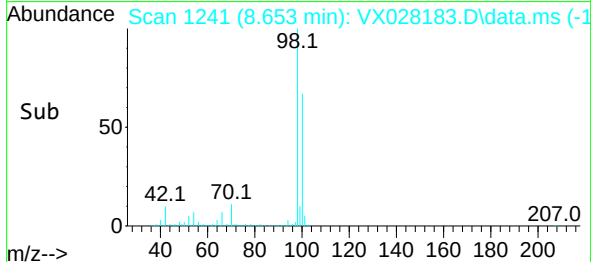
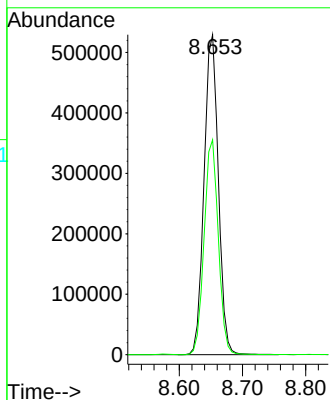
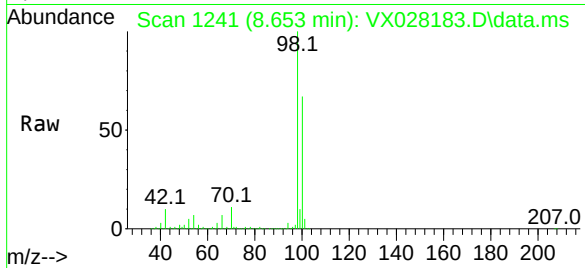




#50
Toluene-d8
Concen: 45.088 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

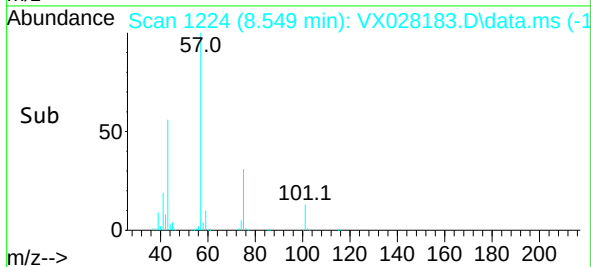
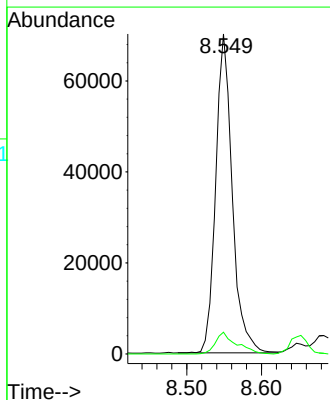
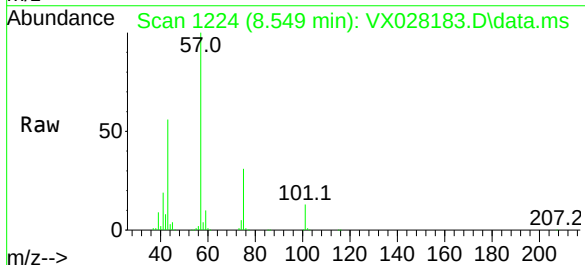
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#13

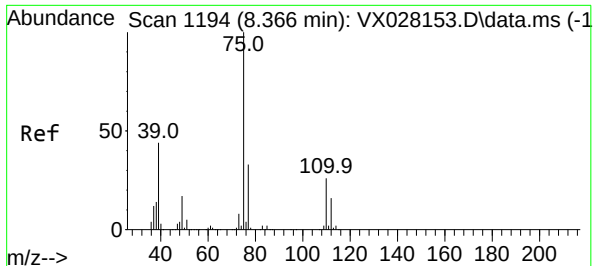
Tgt Ion: 98 Resp: 833389
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.262 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028183.D
Acq: 20 Apr 2022 00:45

Tgt Ion: 43 Resp: 108178
Ion Ratio Lower Upper
43 100
58 8.6 36.1 54.1#

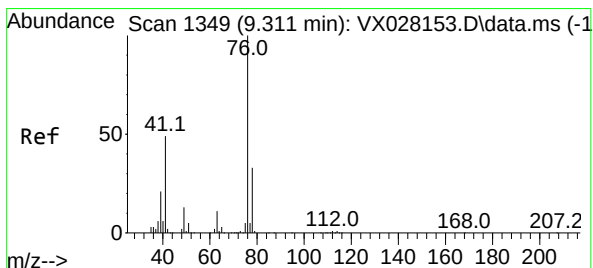
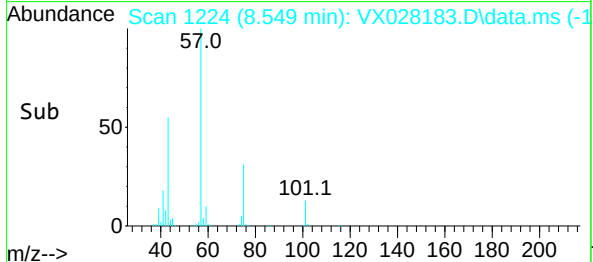
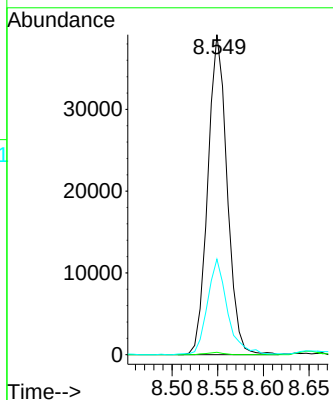
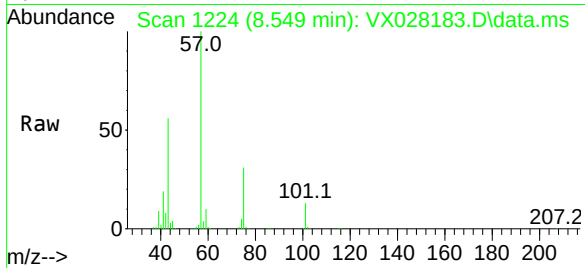




#54
 cis-1,3-Dichloropropene
 Concen: 7.413 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028183.D
 Acq: 20 Apr 2022 00:45

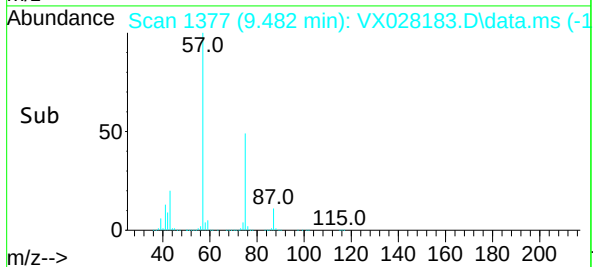
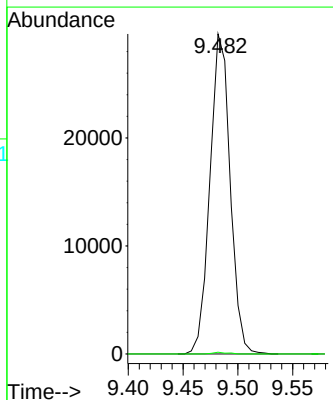
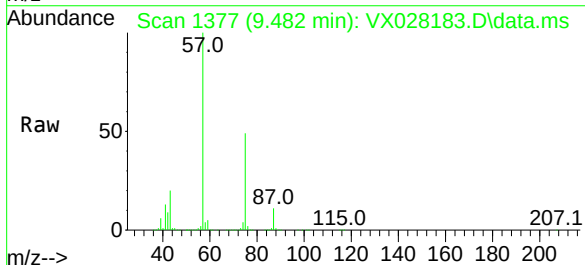
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#13

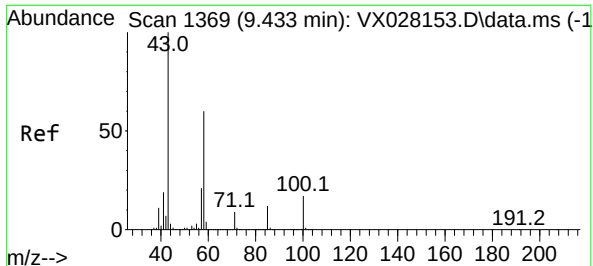
Tgt Ion: 75 Resp: 57370
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 29.7 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.547 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028183.D
 Acq: 20 Apr 2022 00:45

Tgt Ion: 76 Resp: 38067
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 81.962 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX028183.D

Acq: 20 Apr 2022 00:45

Instrument :

MSVOA_X

ClientSampleId :

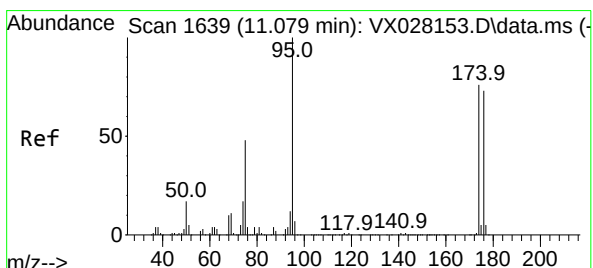
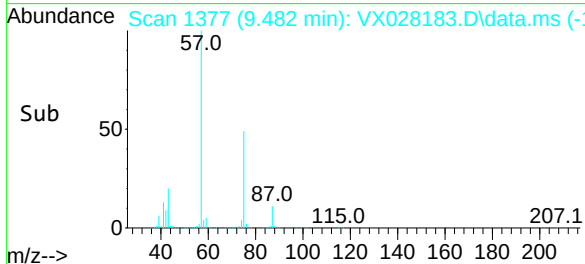
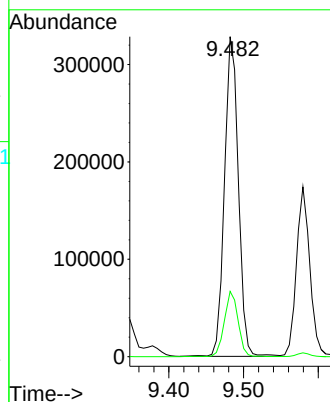
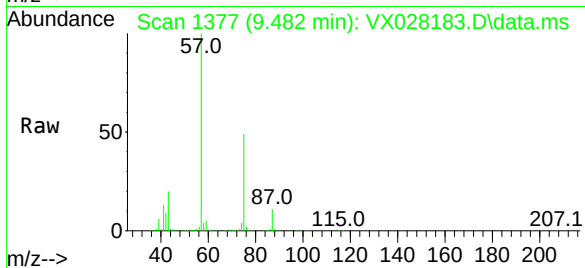
PB144164ZHE#13

Tgt Ion: 43 Resp: 422349

Ion Ratio Lower Upper

43 100

58 20.4 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 44.350 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028183.D

Acq: 20 Apr 2022 00:45

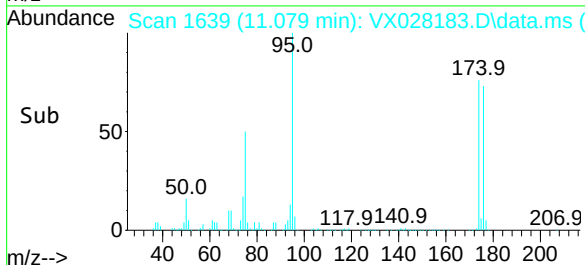
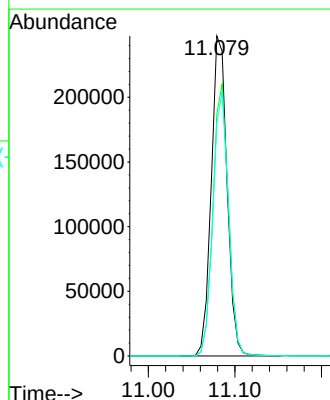
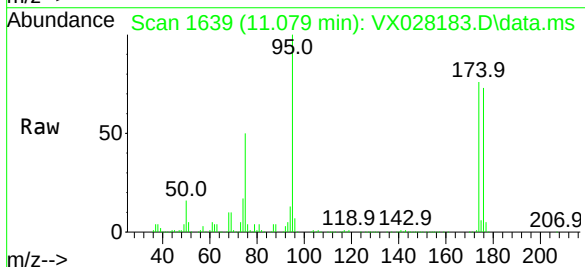
Tgt Ion: 95 Resp: 313433

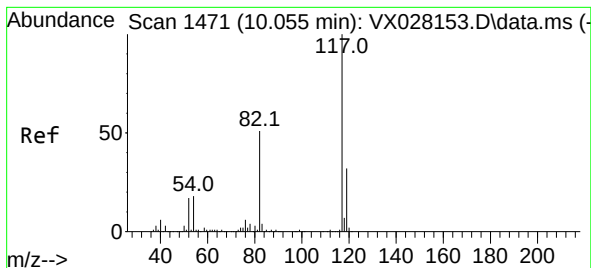
Ion Ratio Lower Upper

95 100

174 84.0 0.0 163.0

176 81.4 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: VX028183.D

Acq: 20 Apr 2022 00:45

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#13

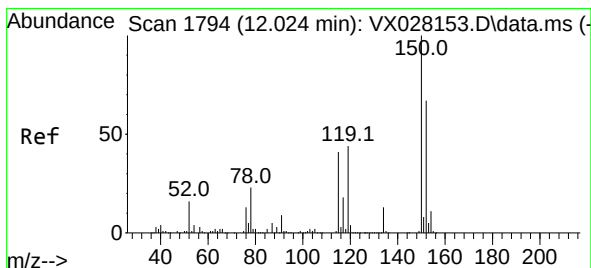
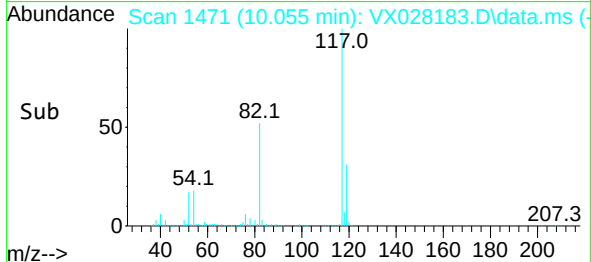
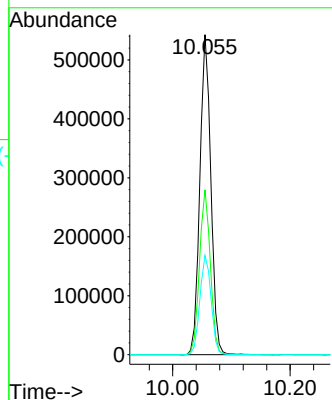
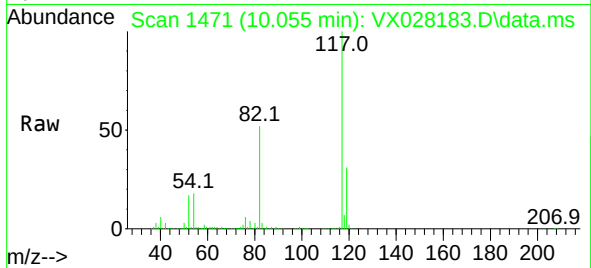
Tgt Ion:117 Resp: 701388

Ion Ratio Lower Upper

117 100

82 51.5 41.8 62.8

119 31.0 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: VX028183.D

Acq: 20 Apr 2022 00:45

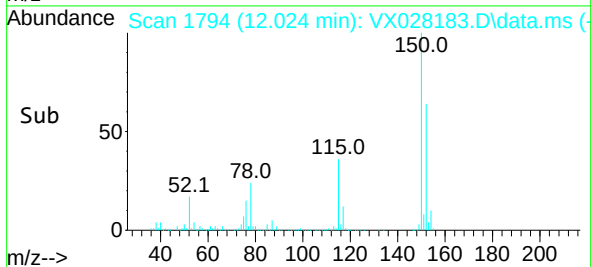
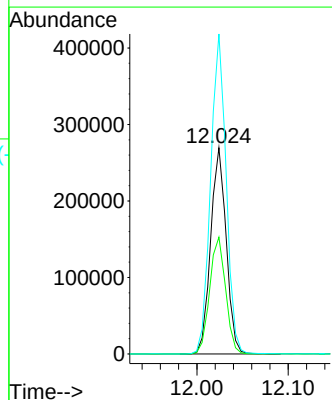
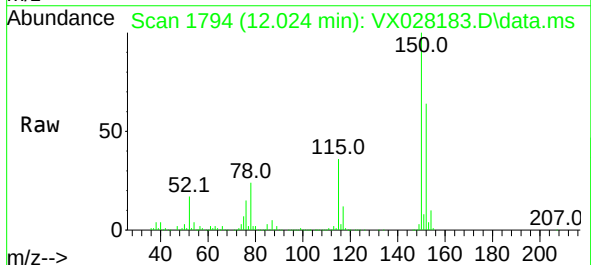
Tgt Ion:152 Resp: 318480

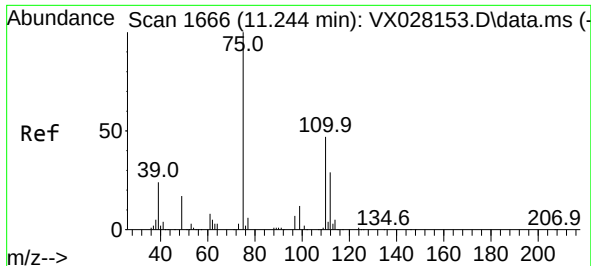
Ion Ratio Lower Upper

152 100

115 58.0 37.5 112.7

150 154.6 0.0 338.2

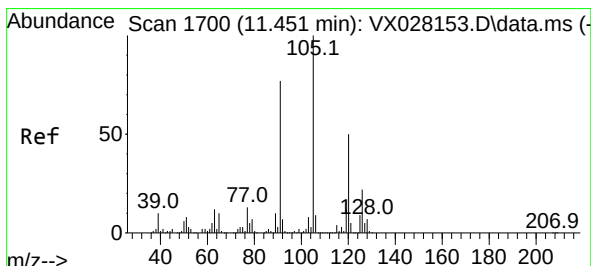
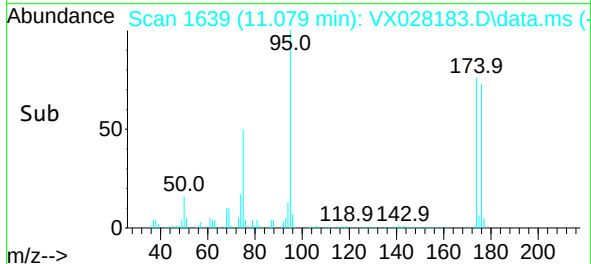
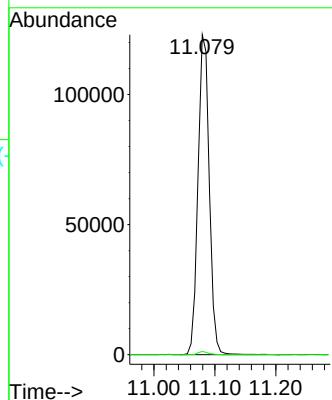
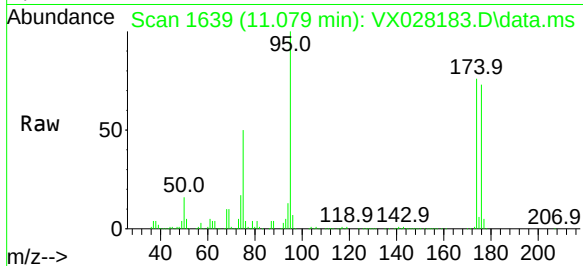




#76
 1,2,3-Trichloropropane
 Concen: 25.166 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. -0.165 min
 Lab File: VX028183.D
 Acq: 20 Apr 2022 00:45

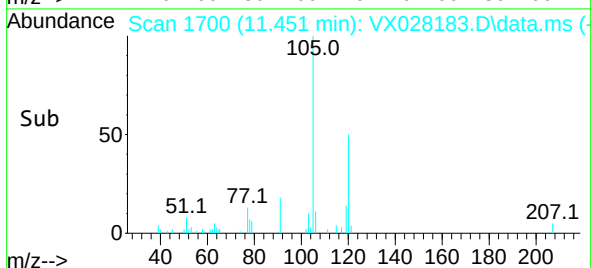
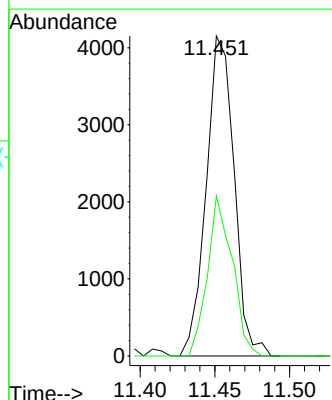
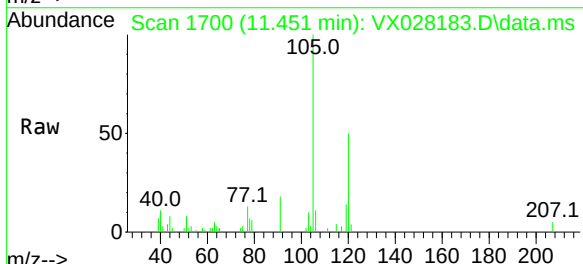
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#13

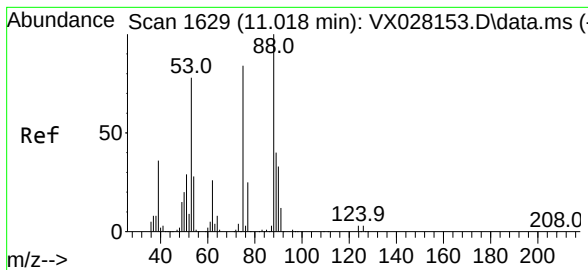
Tgt Ion: 75 Resp: 157735
 Ion Ratio Lower Upper
 75 100
 77 0.9 19.4 58.2#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.290 ug/l
 RT: 11.451 min Scan# 1700
 Delta R.T. 0.000 min
 Lab File: VX028183.D
 Acq: 20 Apr 2022 00:45

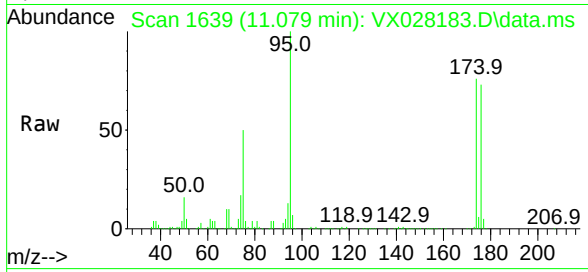
Tgt Ion: 105 Resp: 5392
 Ion Ratio Lower Upper
 105 100
 120 44.5 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.785 ug/l
 RT: 11.079 min Scan# 10
 Delta R.T. 0.061 min
 Lab File: VX028183.D
 Acq: 20 Apr 2022 00:45

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#13



Tgt Ion: 75 Resp: 157735
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

