

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028173.D
 Acq On : 19 Apr 2022 20:53
 Operator : JC/MD
 Sample : PB144164ZHE#03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#03

Quant Time: Apr 20 08:19:03 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)

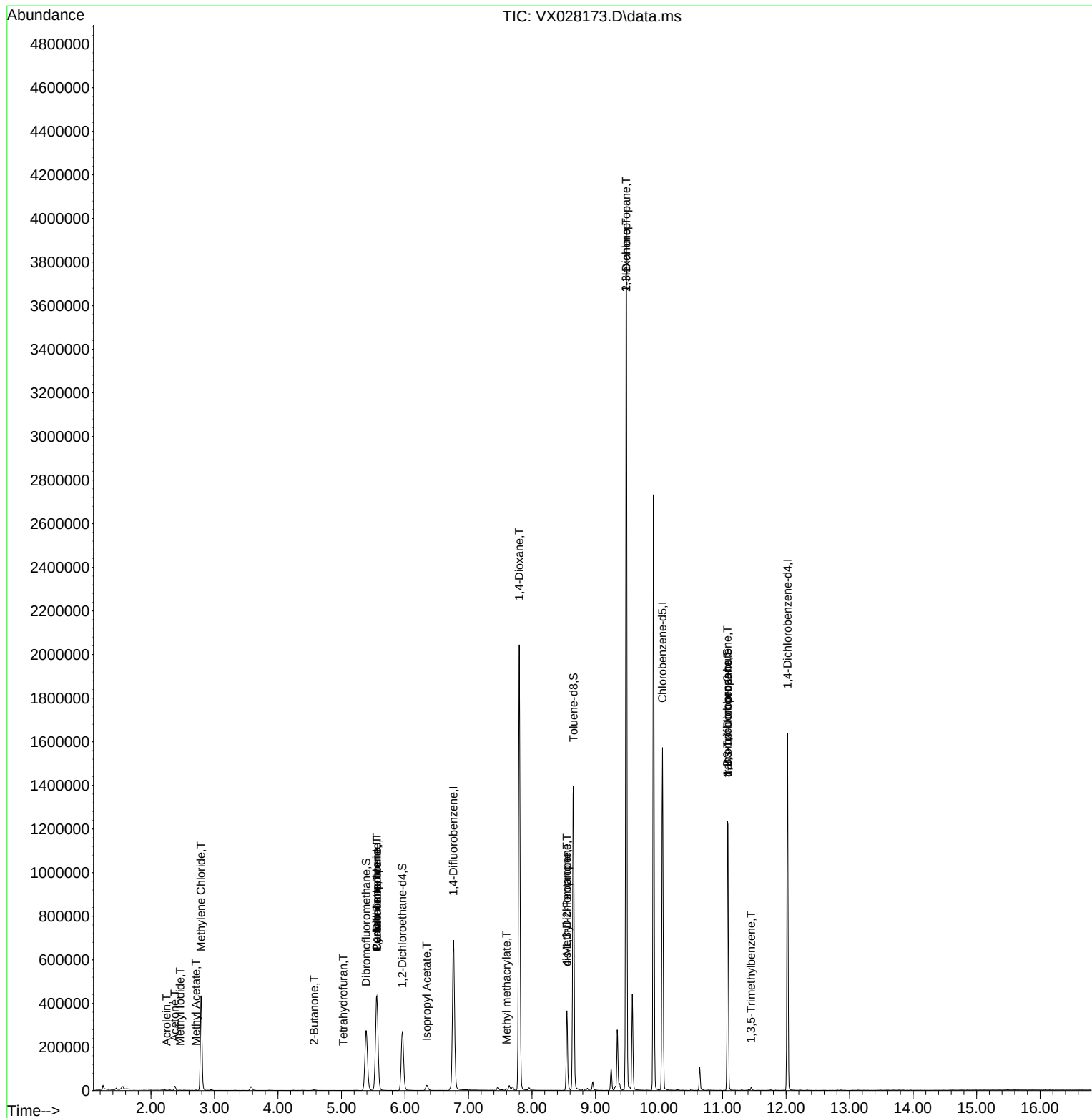
Internal Standards						
1) Pentafluorobenzene	5.556	168	426511	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	729593	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	730257	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	343074	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	258129	46.416	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	92.840%		
35) Dibromofluoromethane	5.385	113	238311	46.576	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.160%		
50) Toluene-d8	8.653	98	872943	44.421	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	88.840%		
62) 4-Bromofluorobenzene	11.079	95	333528	44.387	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.780%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	311	Below Cal	#	78
5) Bromomethane	1.587	94	78	Below Cal	#	3
6) Chloroethane	1.642	64	952	Below Cal	#	57
8) Diethyl Ether	2.136	74	273	Below Cal		56
10) Methyl Iodide	2.459	142	1080	5.439	ug/l #	89
11) Tert butyl alcohol	2.947	59	2241	Below Cal	#	72
13) Acrolein	2.245	56	187	0.274	ug/l #	31
16) Acetone	2.373	43	20923	10.983	ug/l	91
18) Methyl Acetate	2.709	43	1778	0.360	ug/l	93
20) Methylene Chloride	2.788	84	205419	49.783	ug/l	99
25) 2-Butanone	4.568	43	4578	1.390	ug/l	93
29) Tetrahydrofuran	5.025	42	626	0.291	ug/l #	38
31) Cyclohexane	5.556	56	8633	1.274	ug/l #	16
36) 1,1-Dichloropropene	5.556	75	30580	4.582	ug/l #	49
38) Carbon Tetrachloride	5.556	117	42698	5.667	ug/l #	15
43) Isopropyl Acetate	6.342	43	32304	2.931	ug/l	99
48) Methyl methacrylate	7.598	41	8247	1.630	ug/l #	7
49) 1,4-Dioxane	7.799	88	500	3.694	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	117002	16.543	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	63944	7.771	ug/l #	65
57) 1,3-Dichloropropane	9.482	76	39799	4.471	ug/l #	43
59) 2-Hexanone	9.482	43	438671	80.069	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	165242	24.473	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	6312	0.315	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	165242	72.728	ug/l #	15

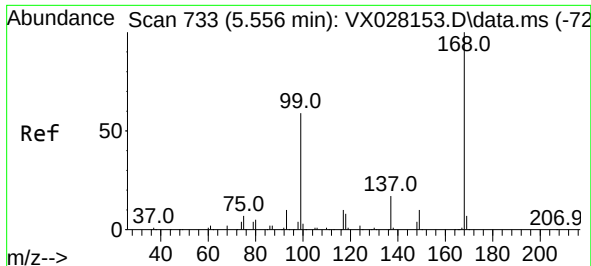
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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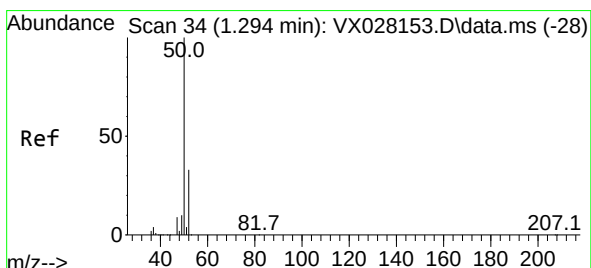
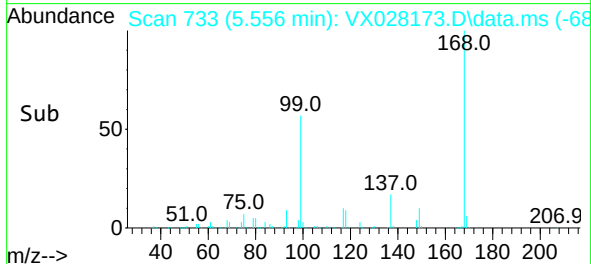
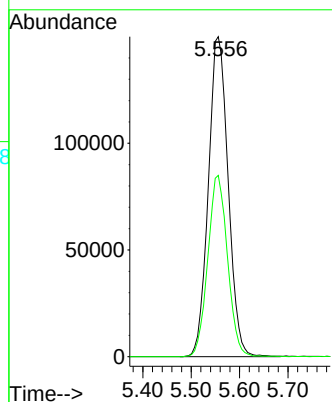
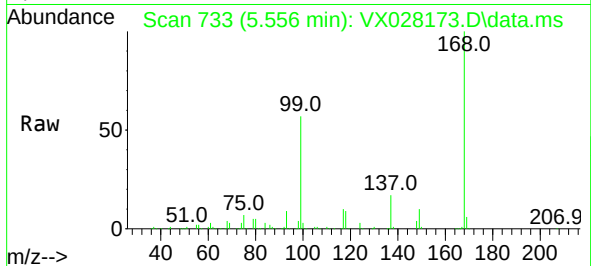




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

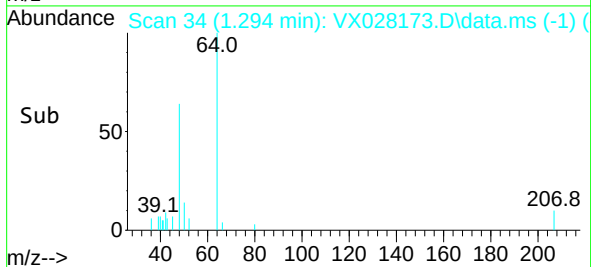
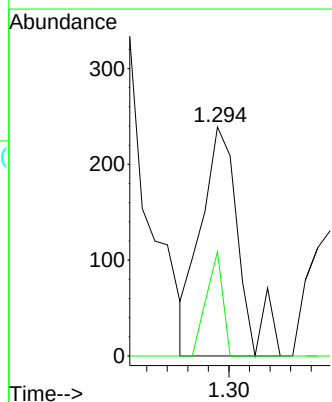
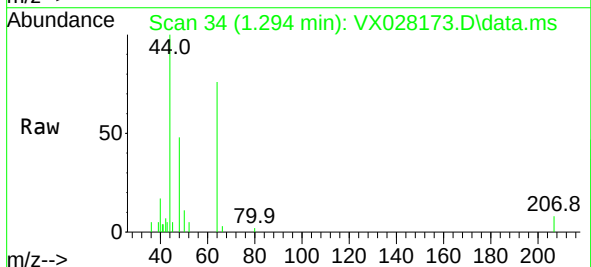
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

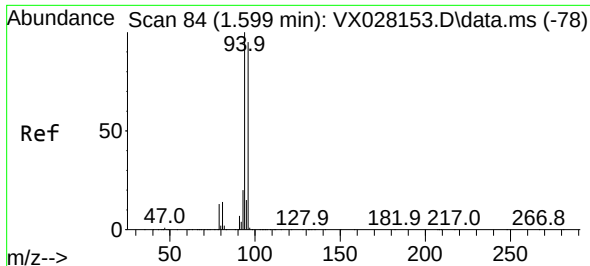
Tgt Ion:168 Resp: 426511
Ion Ratio Lower Upper
168 100
99 56.6 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Tgt Ion: 50 Resp: 311
Ion Ratio Lower Upper
50 100
52 45.6 26.4 39.6#

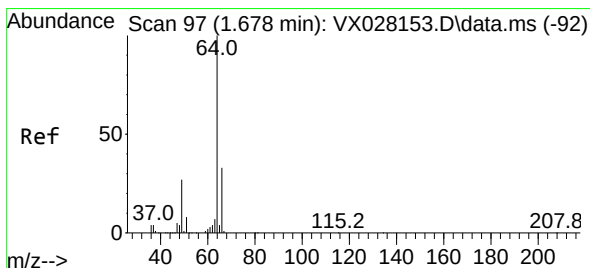
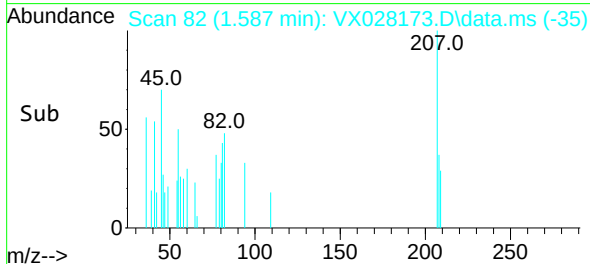
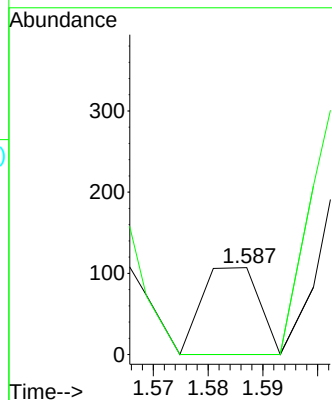
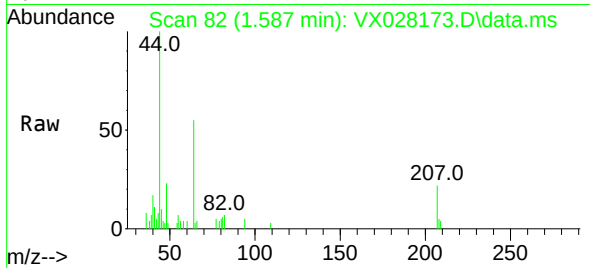




#5
Bromomethane
Concen: Below Cal
RT: 1.587 min Scan# 81
Delta R.T. -0.012 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

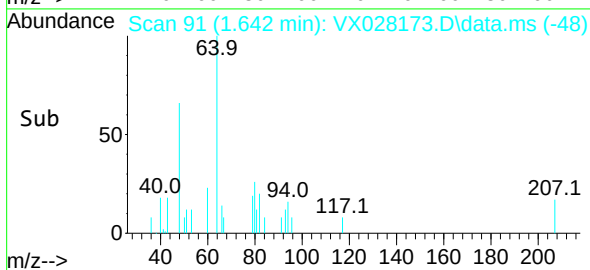
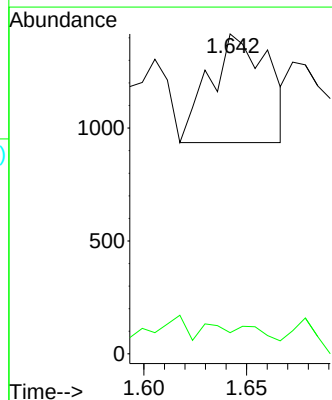
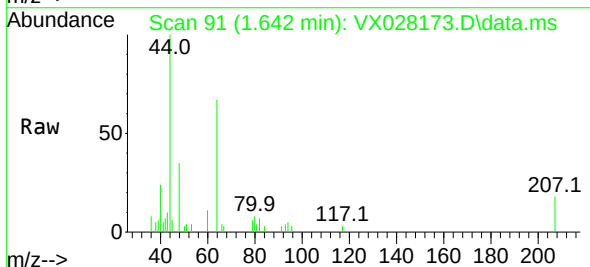
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

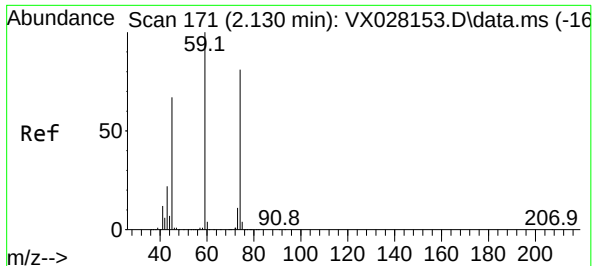
Tgt Ion: 94 Resp: 78
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

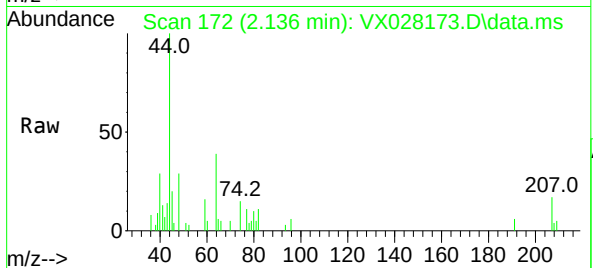
Tgt Ion: 64 Resp: 952
Ion Ratio Lower Upper
64 100
66 7.5 25.3 37.9#



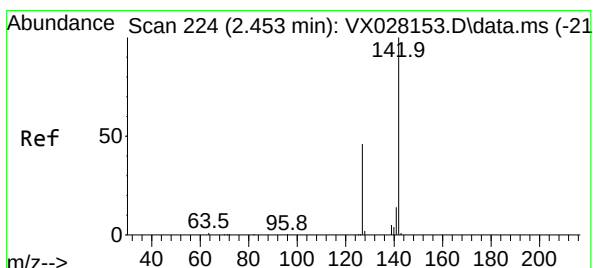
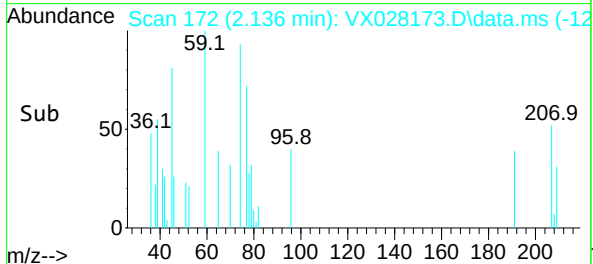
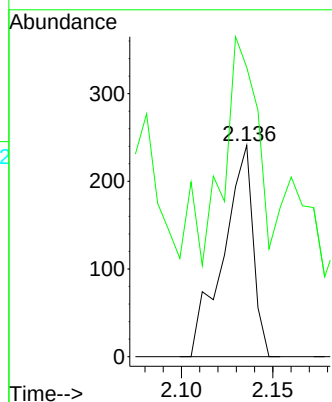


#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

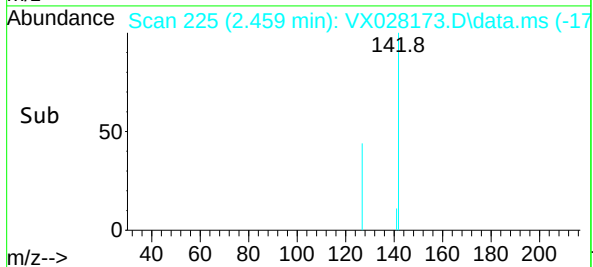
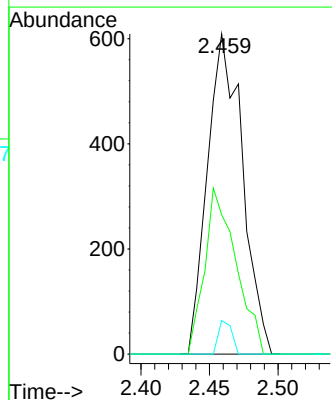
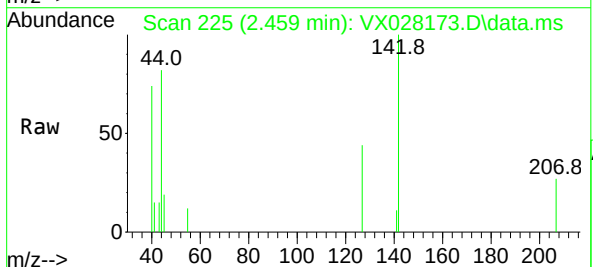


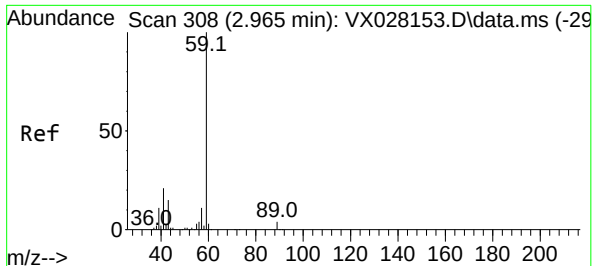
Tgt Ion: 74 Resp: 273
Ion Ratio Lower Upper
74 100
45 123.8 42.0 126.0



#10
Methyl Iodide
Concen: 5.439 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Tgt Ion: 142 Resp: 1080
Ion Ratio Lower Upper
142 100
127 46.4 33.9 50.9
141 4.0 11.4 17.2#

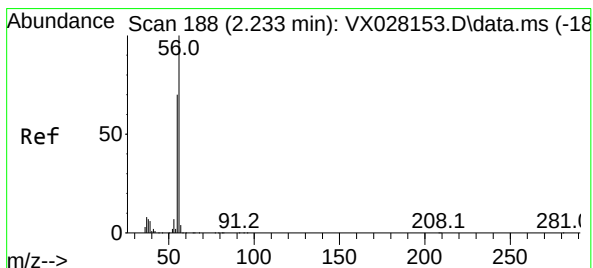
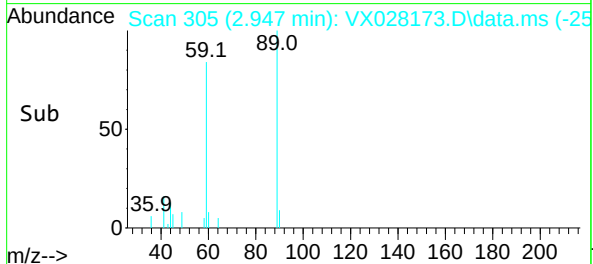
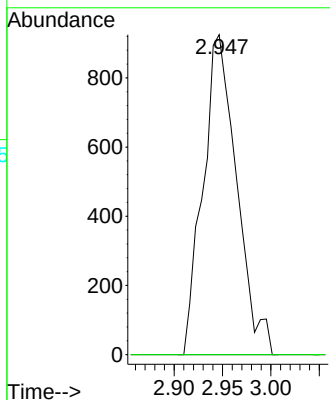
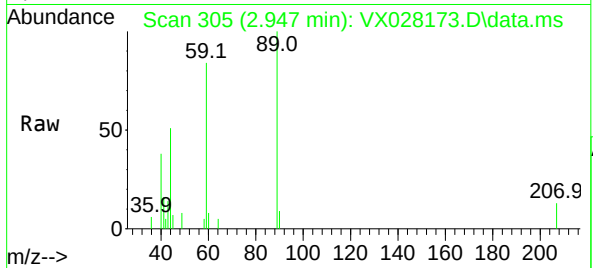




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

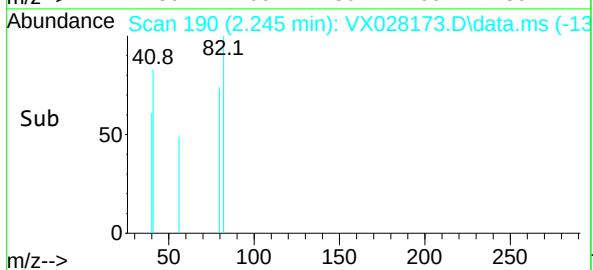
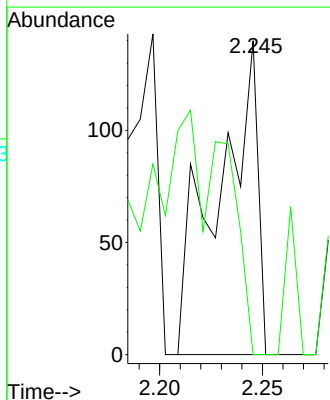
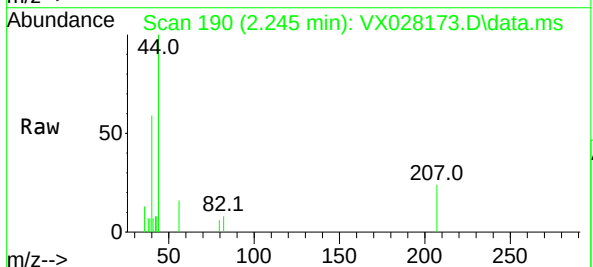
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

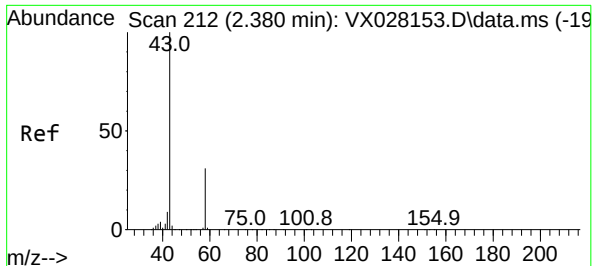
Tgt Ion: 59 Resp: 2241
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.274 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.012 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Tgt Ion: 56 Resp: 187
Ion Ratio Lower Upper
56 100
55 12.8 55.0 82.6#

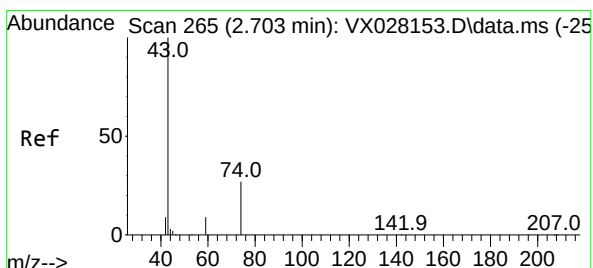
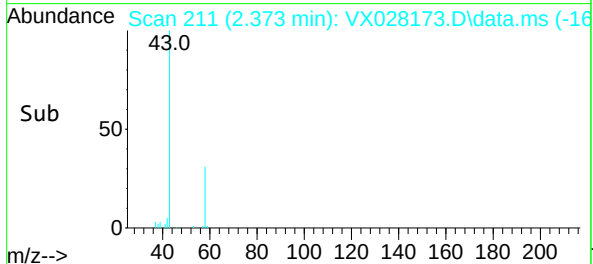
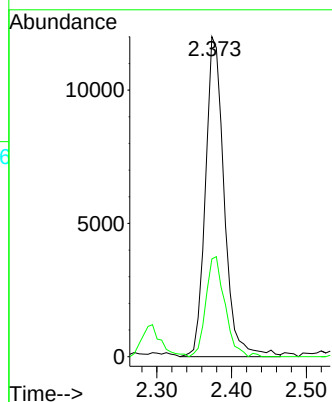
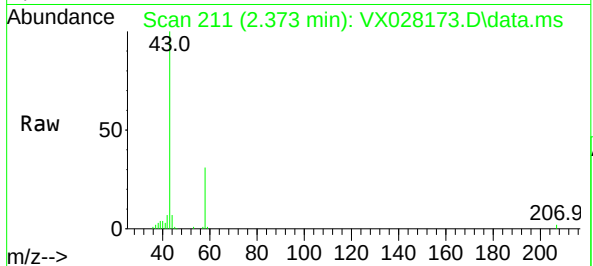




#16
Acetone
Concen: 10.983 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

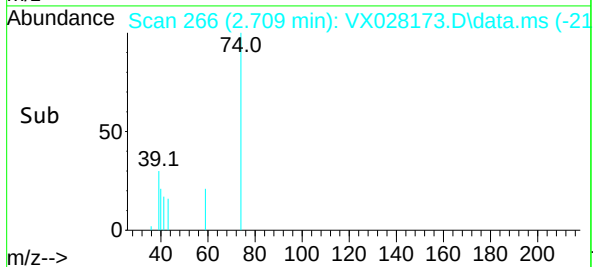
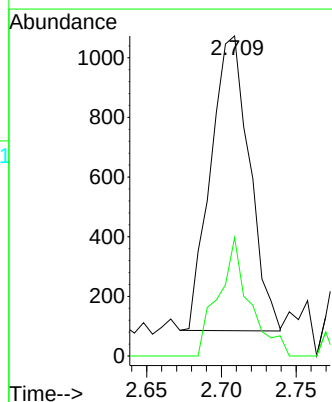
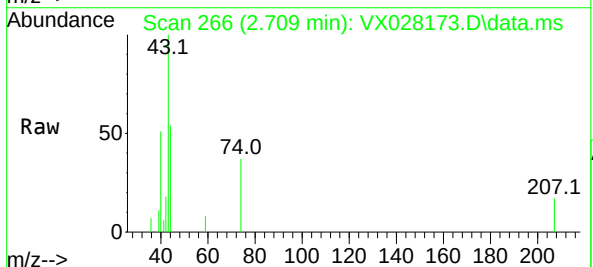
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

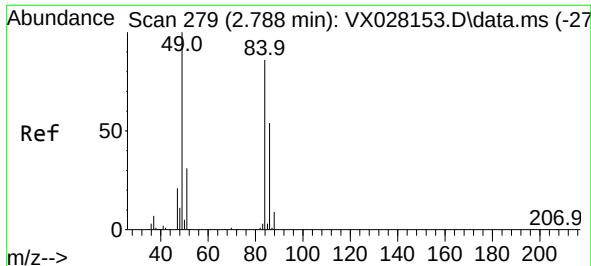
Tgt Ion: 43 Resp: 20923
Ion Ratio Lower Upper
43 100
58 30.6 28.8 43.2



#18
Methyl Acetate
Concen: 0.360 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

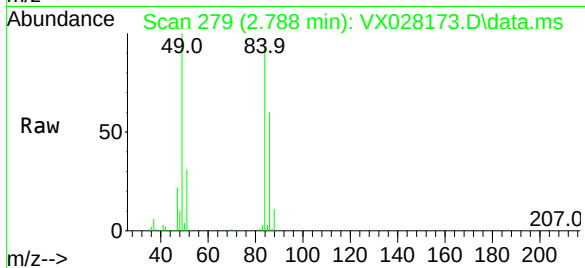
Tgt Ion: 43 Resp: 1778
Ion Ratio Lower Upper
43 100
74 32.2 22.8 34.2



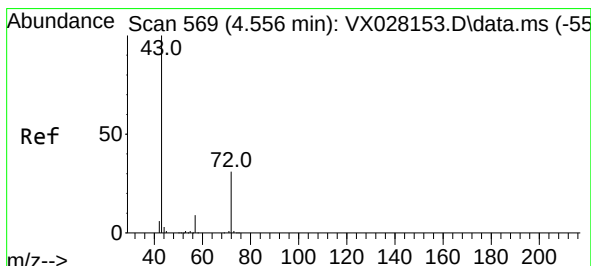
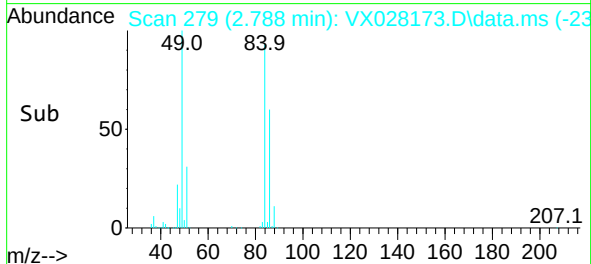
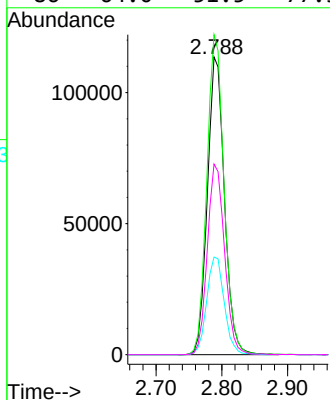


#20
Methylene Chloride
Concen: 49.783 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

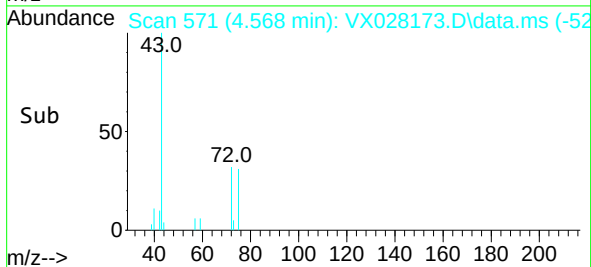
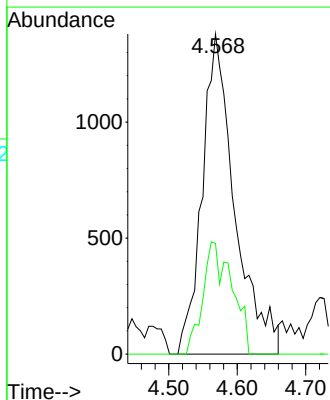
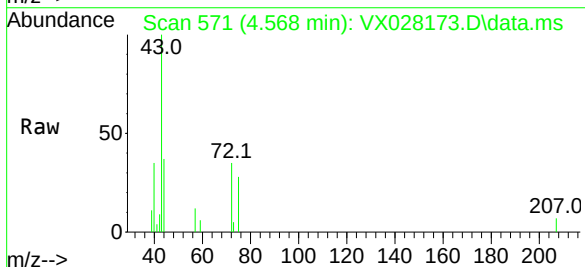


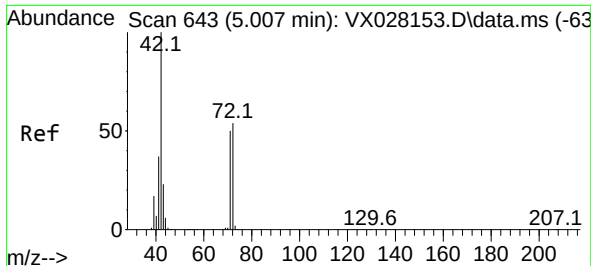
Tgt Ion	Ratio	Lower	Upper
84	100		
49	107.4	85.5	128.3
51	32.8	26.6	39.8
86	64.0	51.5	77.3



#25
2-Butanone
Concen: 1.390 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	34.6	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.291 ug/l

RT: 5.025 min Scan# 643

Delta R.T. 0.018 min

Lab File: VX028173.D

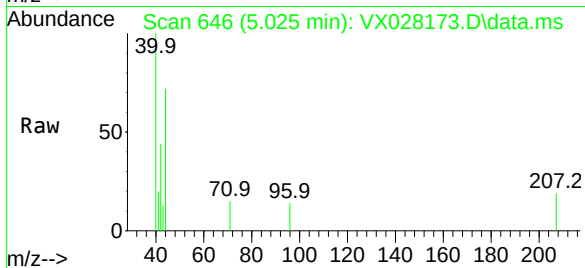
Acq: 19 Apr 2022 20:53

Instrument :

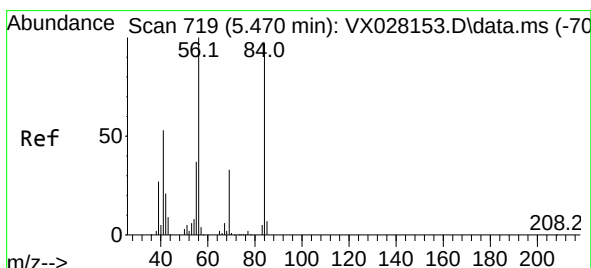
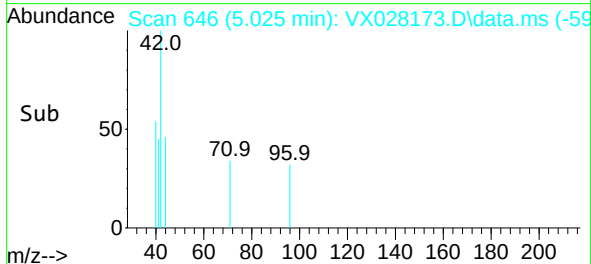
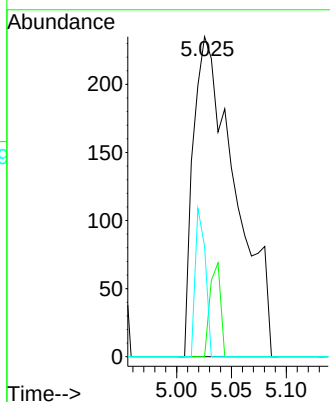
MSVOA_X

ClientSampleId :

PB144164ZHE#03



Tgt Ion:	42	Resp:	626
Ion	Ratio	Lower	Upper
42	100		
72	7.3	44.1	66.1#
71	11.2	40.5	60.7#



#31

Cyclohexane

Concen: 1.274 ug/l

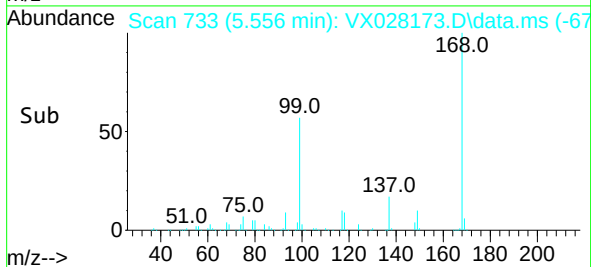
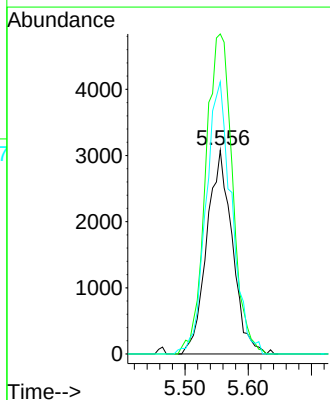
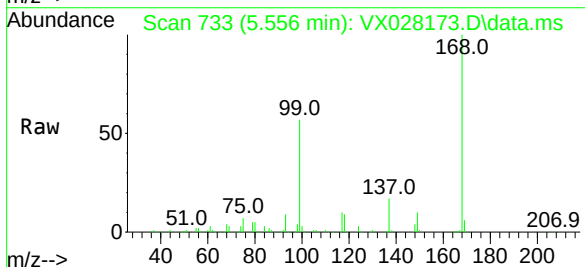
RT: 5.556 min Scan# 733

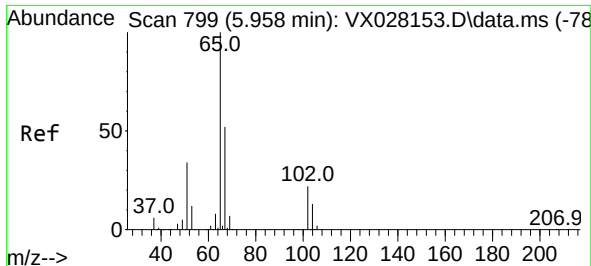
Delta R.T. 0.086 min

Lab File: VX028173.D

Acq: 19 Apr 2022 20:53

Tgt Ion:	56	Resp:	8633
Ion	Ratio	Lower	Upper
56	100		
69	157.1	26.7	40.1#
84	133.6	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 46.416 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028173.D

Acq: 19 Apr 2022 20:53

Instrument :

MSVOA_X

ClientSampleId :

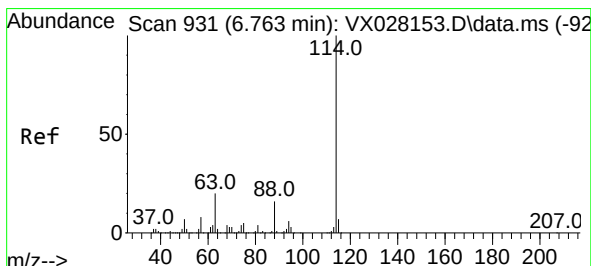
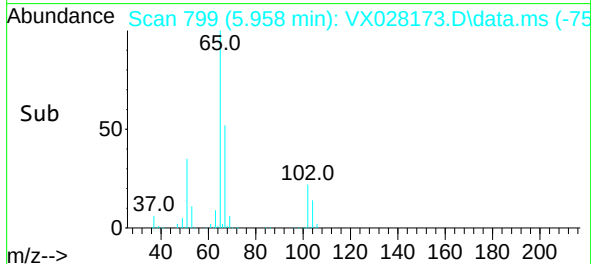
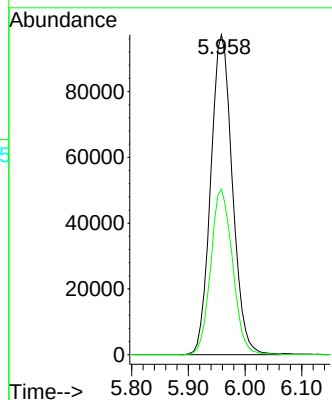
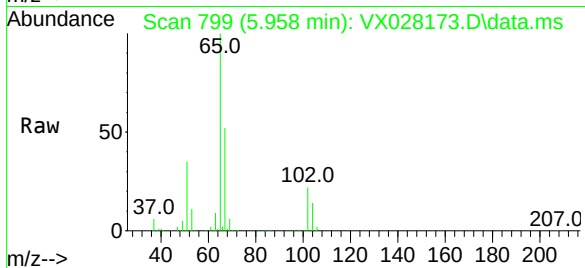
PB144164ZHE#03

Tgt Ion: 65 Resp: 258129

Ion Ratio Lower Upper

65 100

67 52.0 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX028173.D

Acq: 19 Apr 2022 20:53

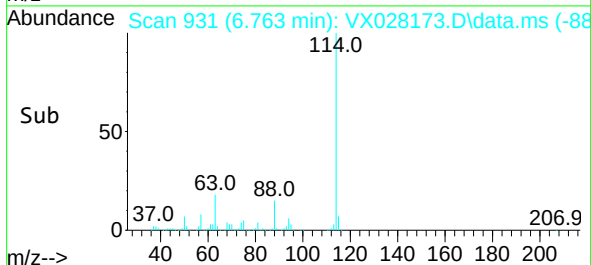
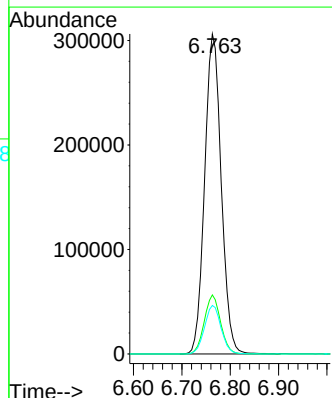
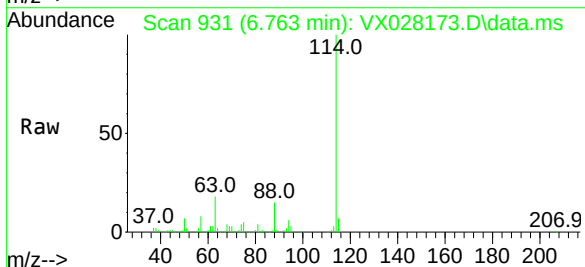
Tgt Ion: 114 Resp: 729593

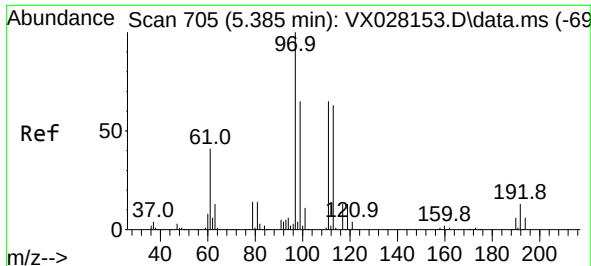
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 15.1 0.0 32.4

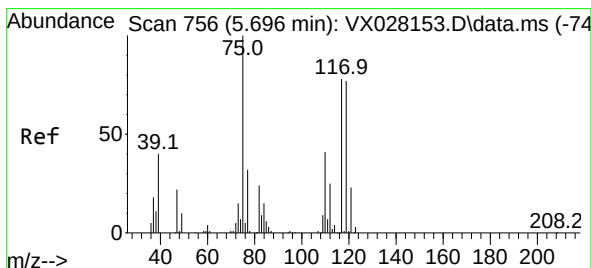
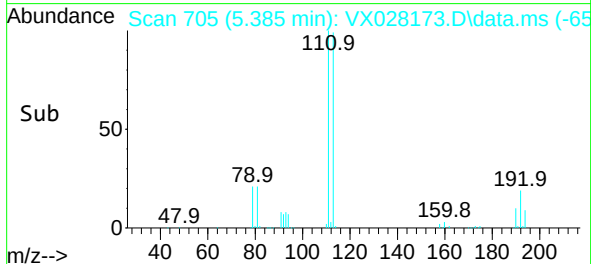
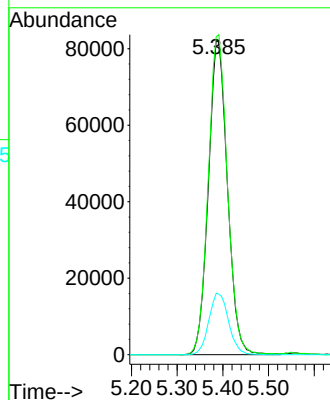
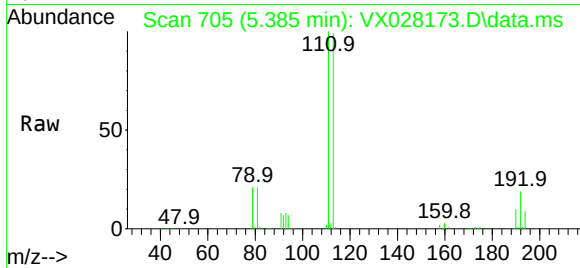




#35
Dibromofluoromethane
Concen: 46.576 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

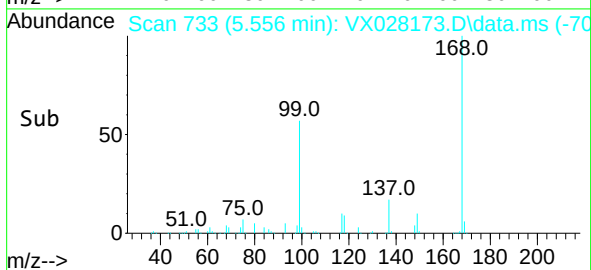
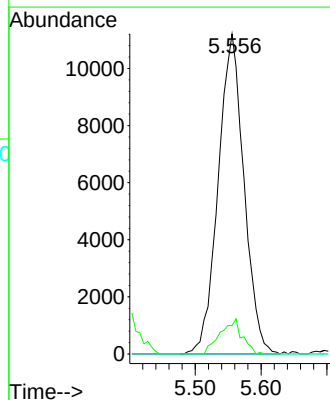
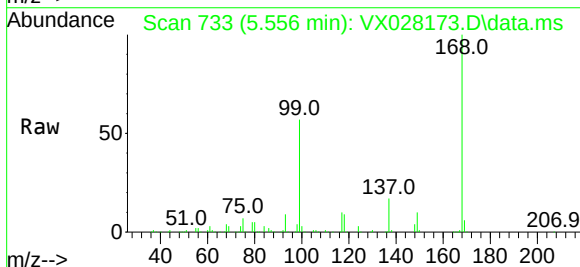
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

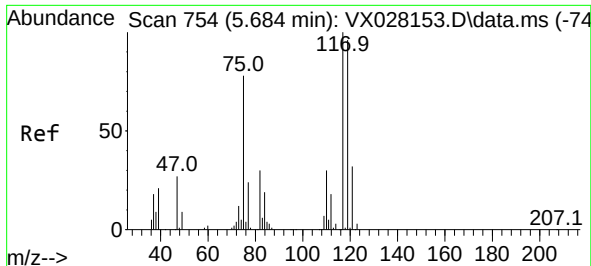
Tgt Ion:113 Resp: 238311
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.582 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

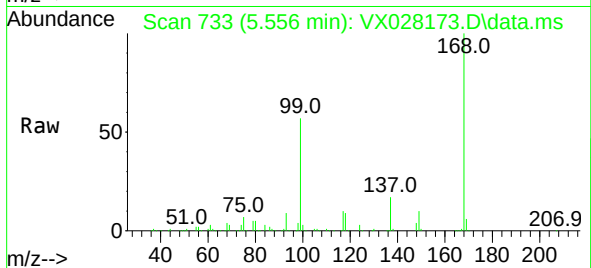
Tgt Ion: 75 Resp: 30580
Ion Ratio Lower Upper
75 100
110 9.3 18.3 54.8#
77 0.0 24.8 37.2#



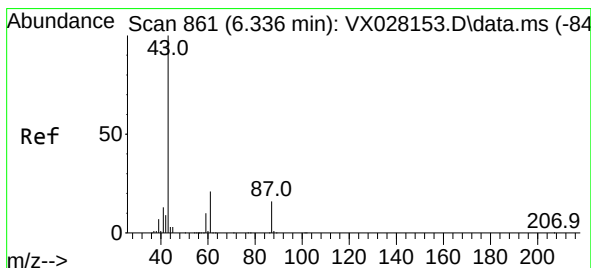
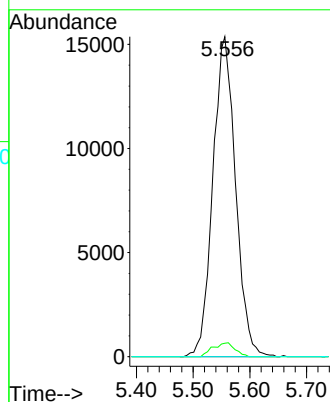
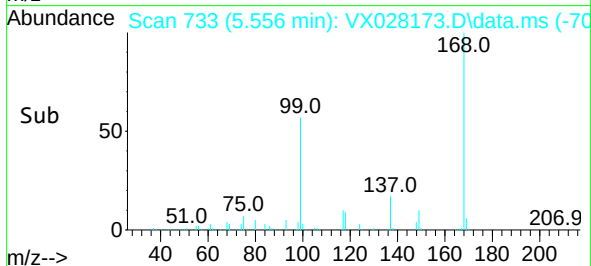


#38
Carbon Tetrachloride
Concen: 5.667 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

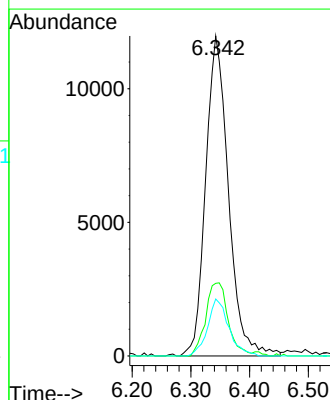
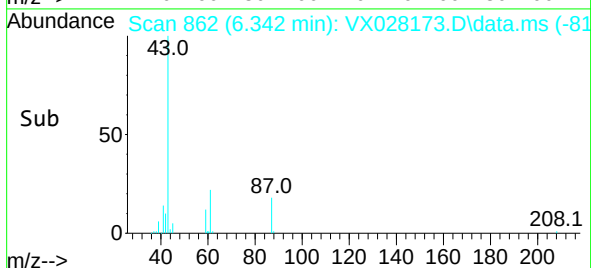
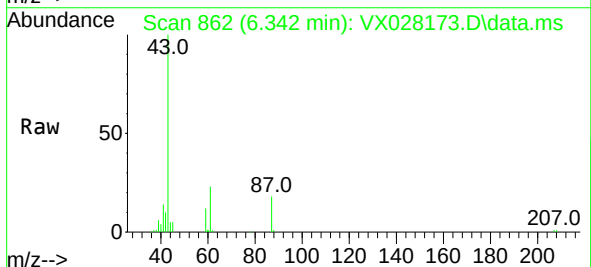


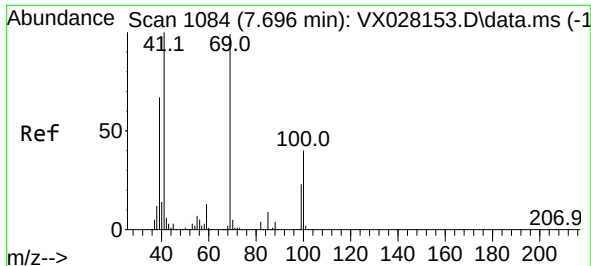
Tgt Ion:117 Resp: 42698
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.931 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

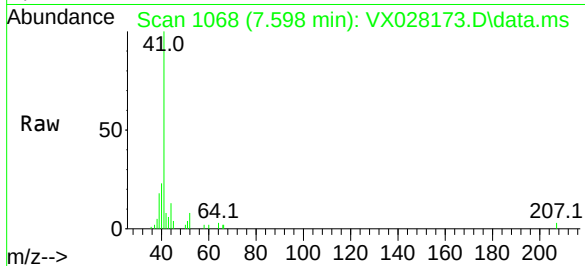
Tgt Ion: 43 Resp: 32304
Ion Ratio Lower Upper
43 100
61 22.4 18.5 27.7
87 16.6 13.0 19.6



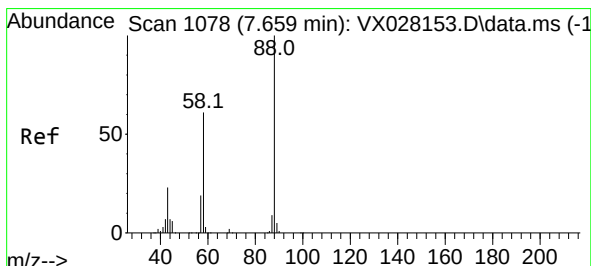
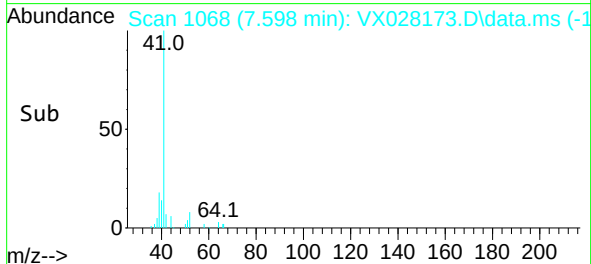
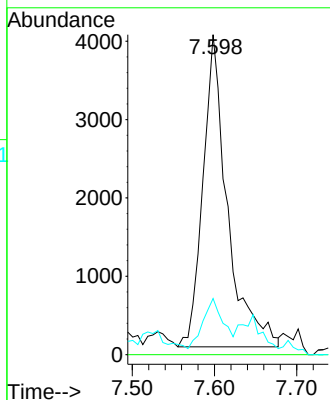


#48
Methyl methacrylate
Concen: 1.630 ug/l
RT: 7.598 min Scan# 110
Delta R.T. -0.098 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

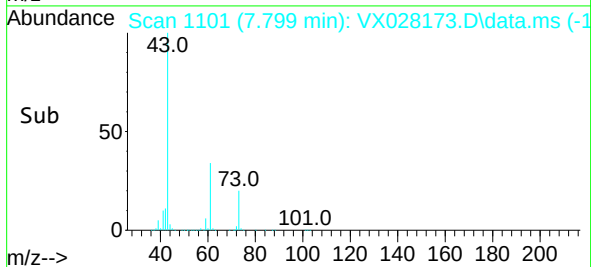
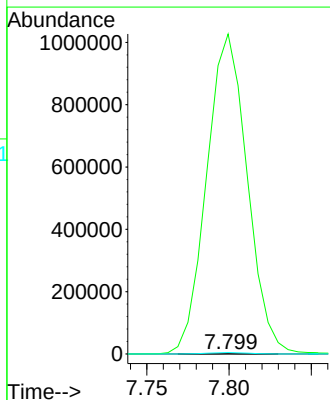
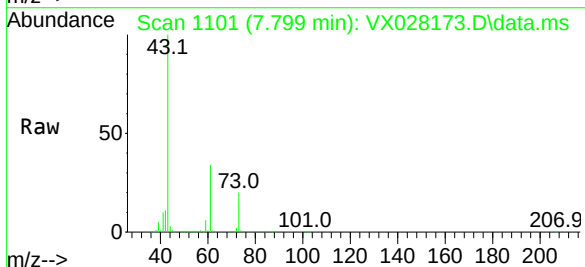


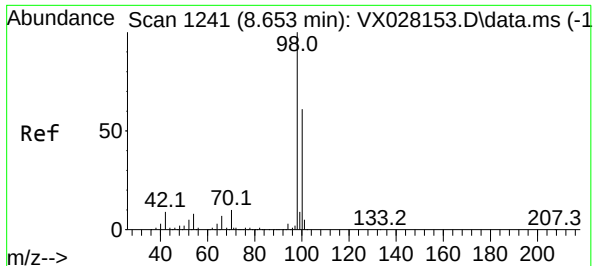
Tgt Ion: 41 Resp: 8247
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.694 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Tgt Ion: 88 Resp: 500
Ion Ratio Lower Upper
88 100
43 354112.0 21.9 32.9#
58 1551.8 53.7 80.5#

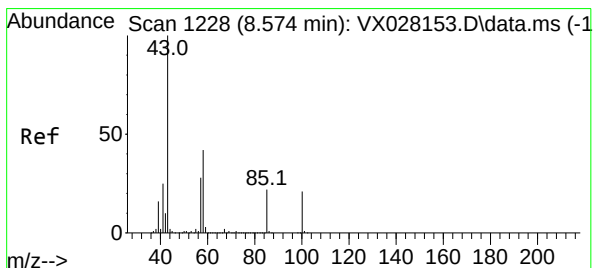
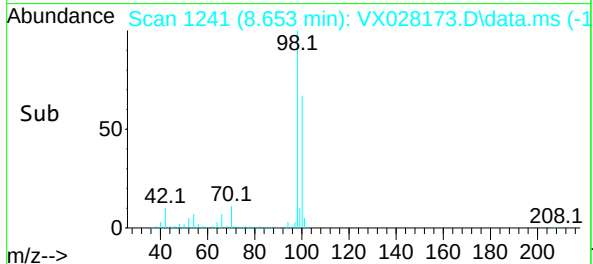
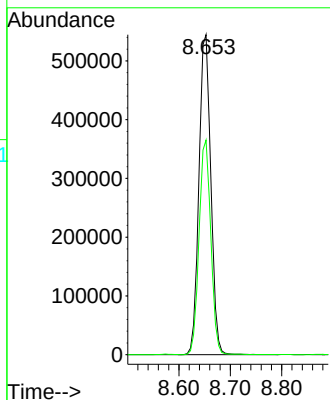
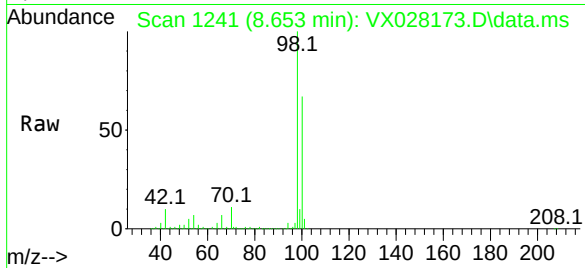




#50
Toluene-d8
Concen: 44.421 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

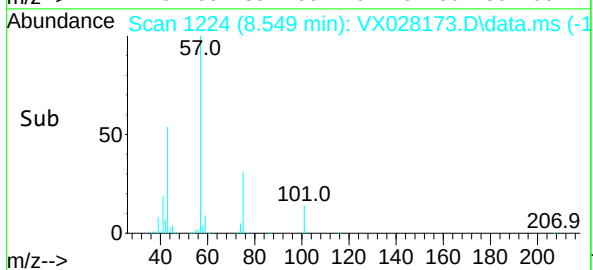
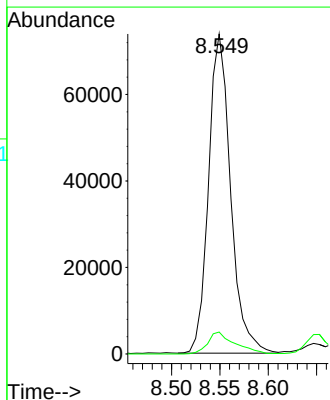
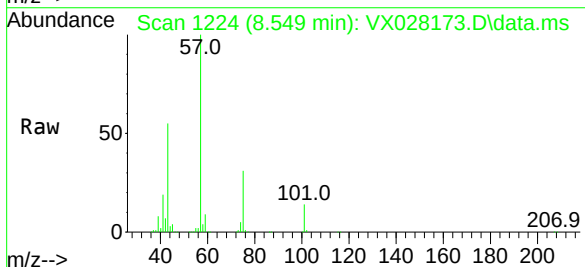
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

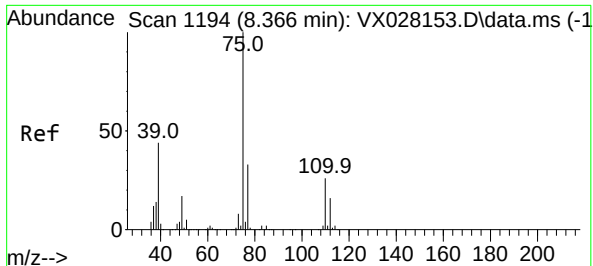
Tgt Ion: 98 Resp: 872943
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.543 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

Tgt Ion: 43 Resp: 117002
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#

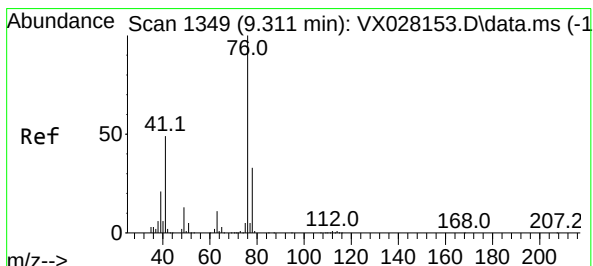
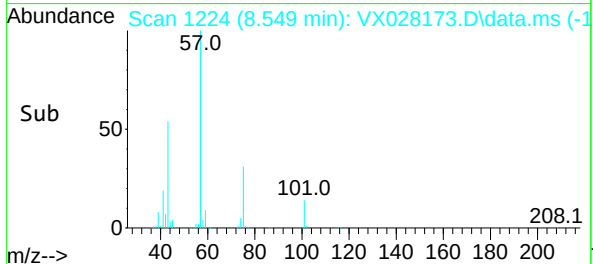
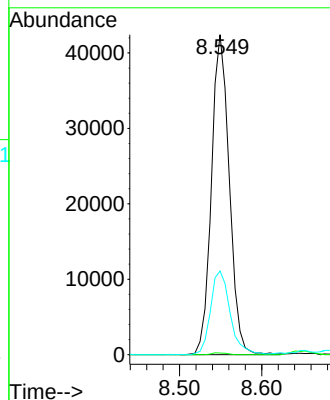
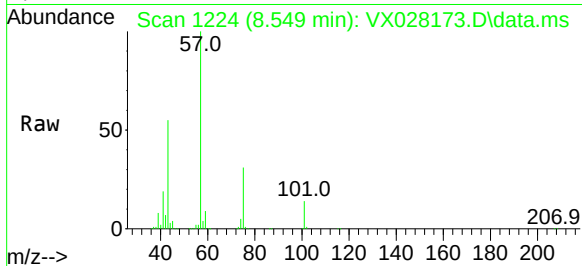




#54
 cis-1,3-Dichloropropene
 Concen: 7.771 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028173.D
 Acq: 19 Apr 2022 20:53

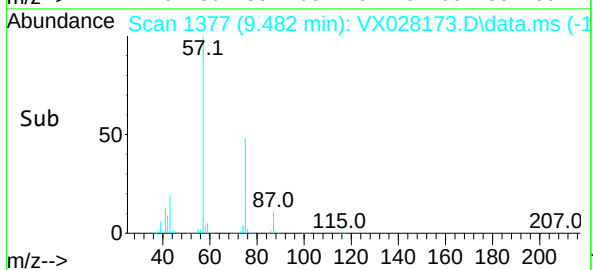
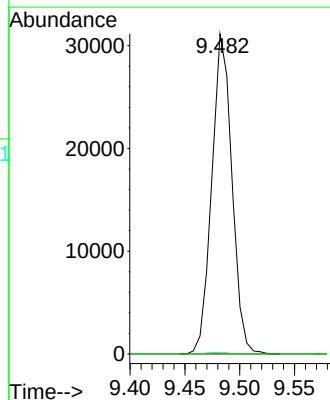
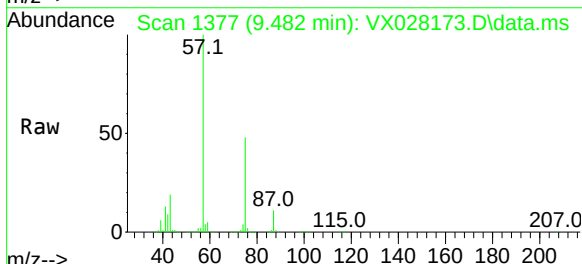
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#03

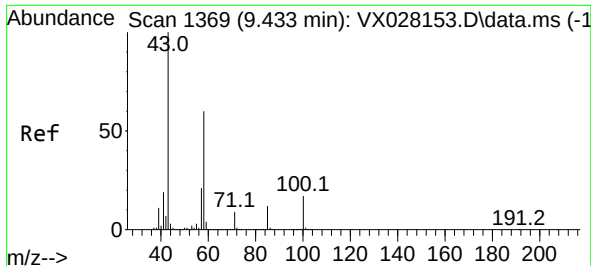
Tgt Ion: 75 Resp: 63944
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 26.0 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.471 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028173.D
 Acq: 19 Apr 2022 20:53

Tgt Ion: 76 Resp: 39799
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.8 38.8#





#59

2-Hexanone

Concen: 80.069 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028173.D

Acq: 19 Apr 2022 20:53

Instrument :

MSVOA_X

ClientSampleId :

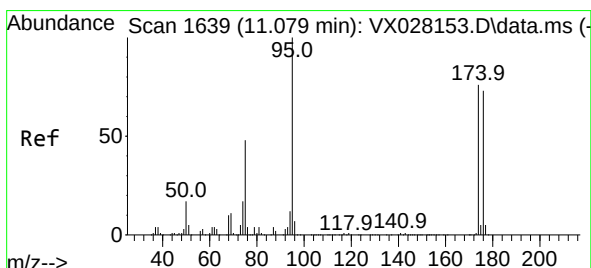
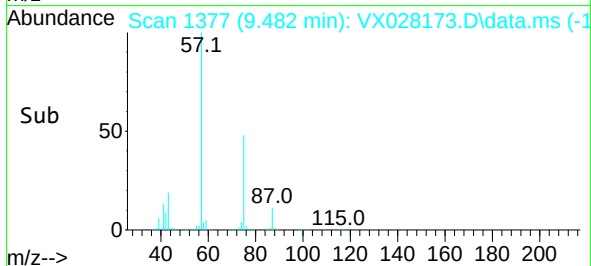
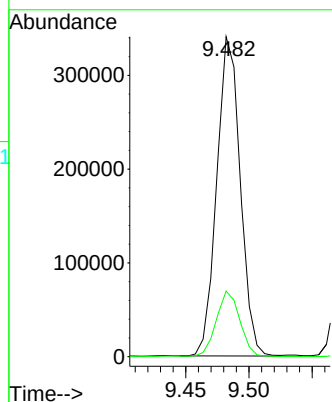
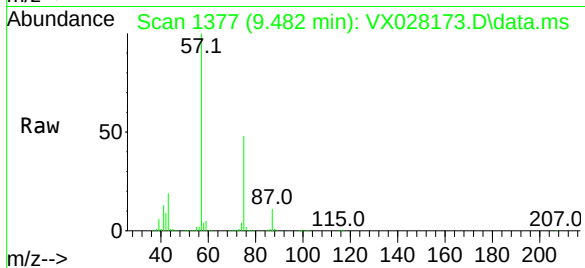
PB144164ZHE#03

Tgt Ion: 43 Resp: 438671

Ion Ratio Lower Upper

43 100

58 20.9 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 44.387 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028173.D

Acq: 19 Apr 2022 20:53

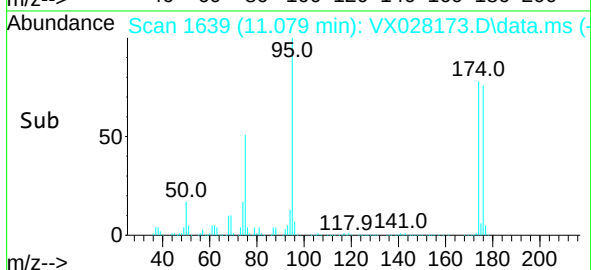
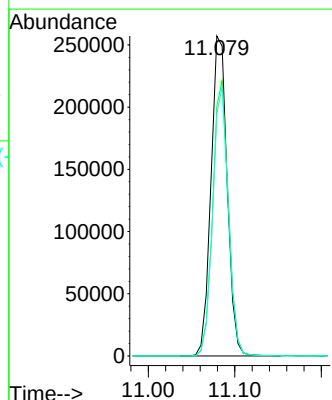
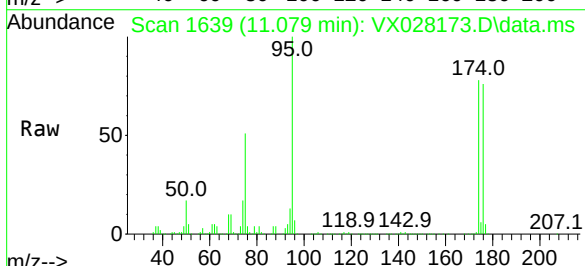
Tgt Ion: 95 Resp: 333528

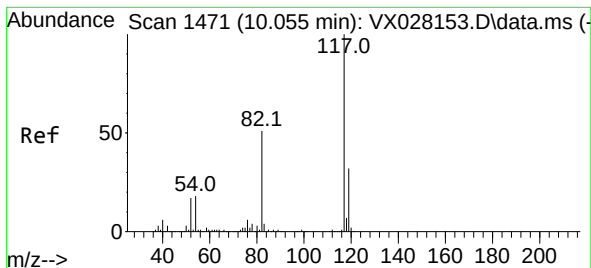
Ion Ratio Lower Upper

95 100

174 83.7 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: VX028173.D

Acq: 19 Apr 2022 20:53

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#03

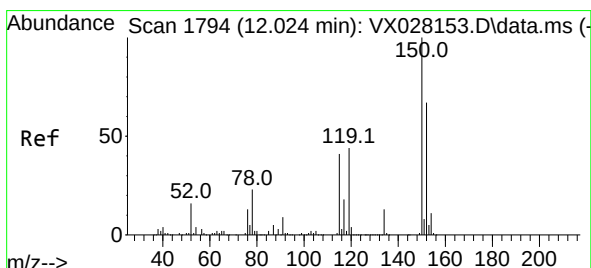
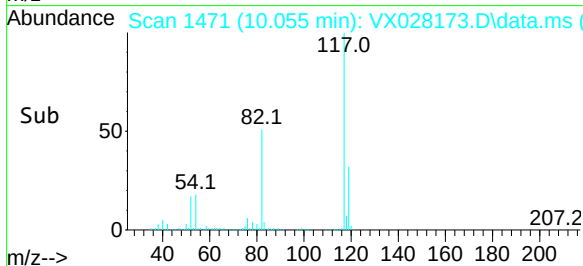
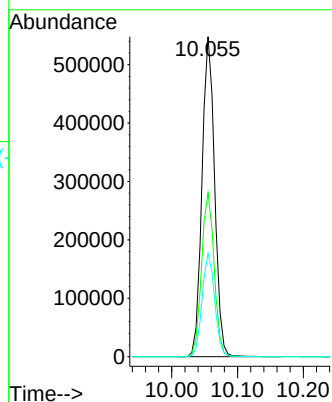
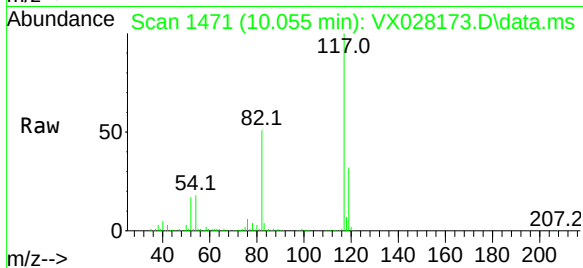
Tgt Ion:117 Resp: 730257

Ion Ratio Lower Upper

117 100

82 51.2 41.8 62.8

119 32.2 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: VX028173.D

Acq: 19 Apr 2022 20:53

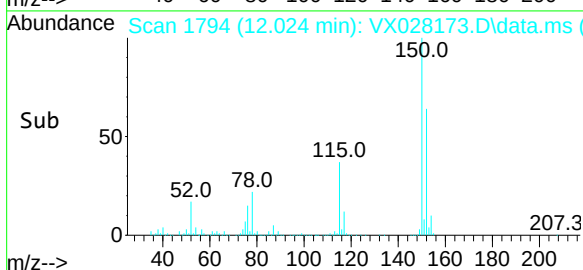
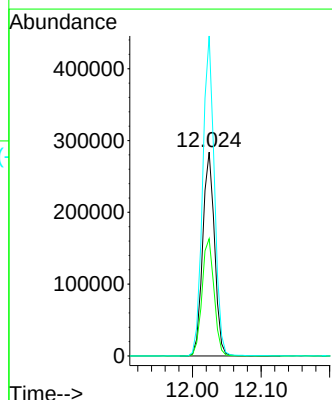
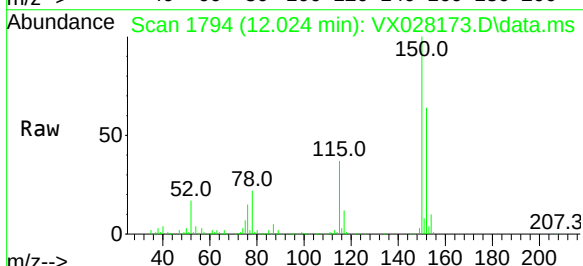
Tgt Ion:152 Resp: 343074

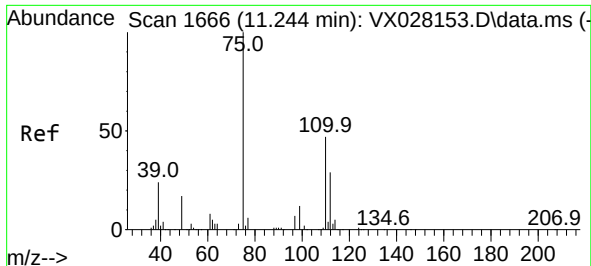
Ion Ratio Lower Upper

152 100

115 58.4 37.5 112.7

150 155.2 0.0 338.2

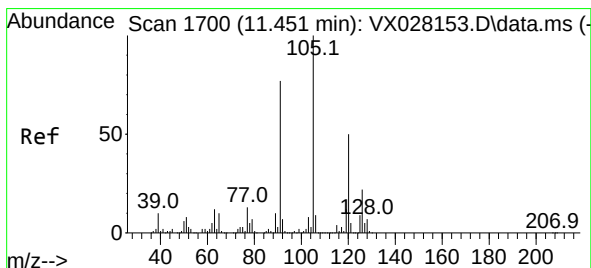
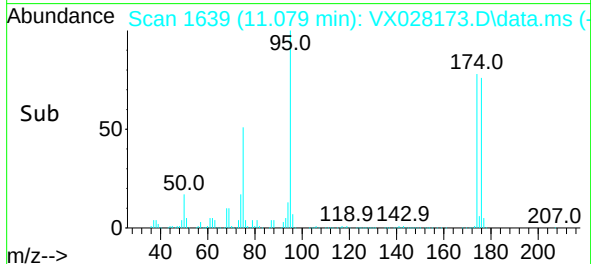
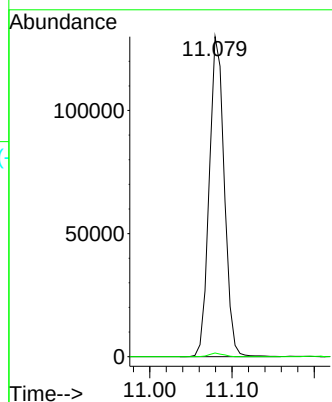
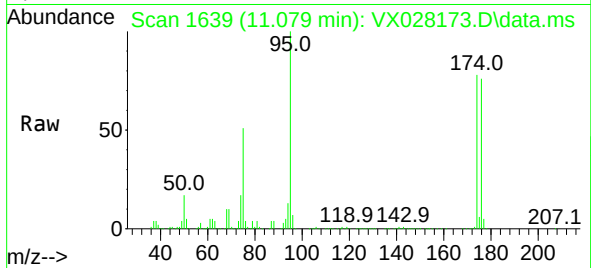




#76
1,2,3-Trichloropropane
Concen: 24.473 ug/l
RT: 11.079 min Scan# 1666
Delta R.T. -0.165 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

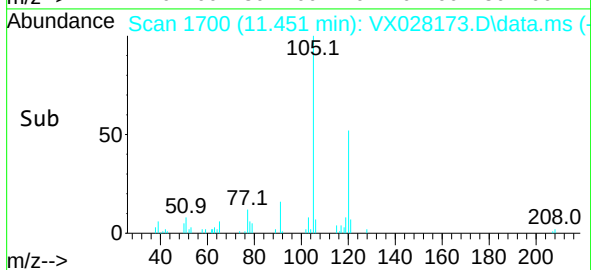
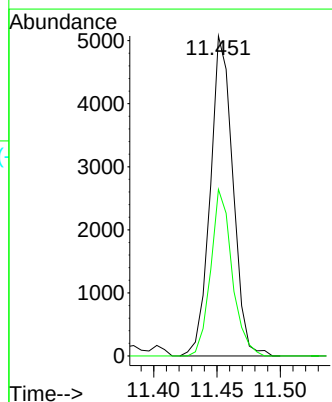
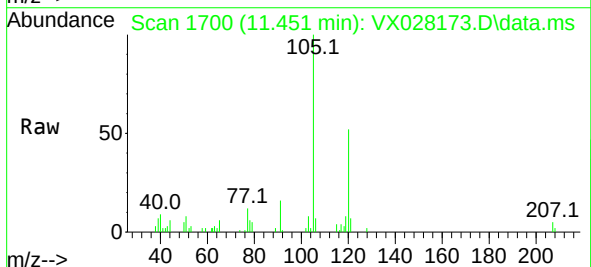
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#03

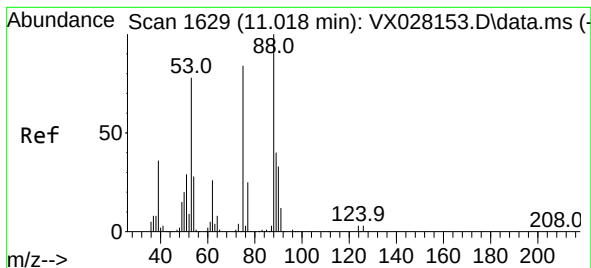
Tgt Ion: 75 Resp: 165242
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.315 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028173.D
Acq: 19 Apr 2022 20:53

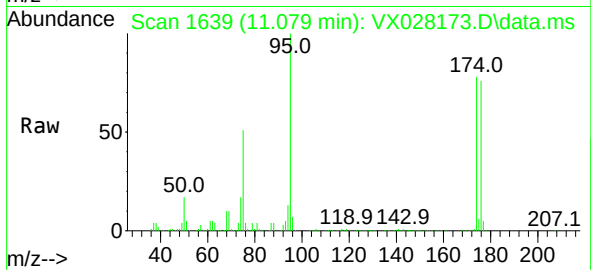
Tgt Ion: 105 Resp: 6312
Ion Ratio Lower Upper
105 100
120 49.2 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.728 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028173.D
 Acq: 19 Apr 2022 20:53

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#03



Tgt Ion: 75 Resp: 165242
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

