

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028453.D
 Acq On : 30 Apr 2022 03:27
 Operator : JC/MD
 Sample : PB144452ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#08

Quant Time: Apr 30 09:22:56 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)

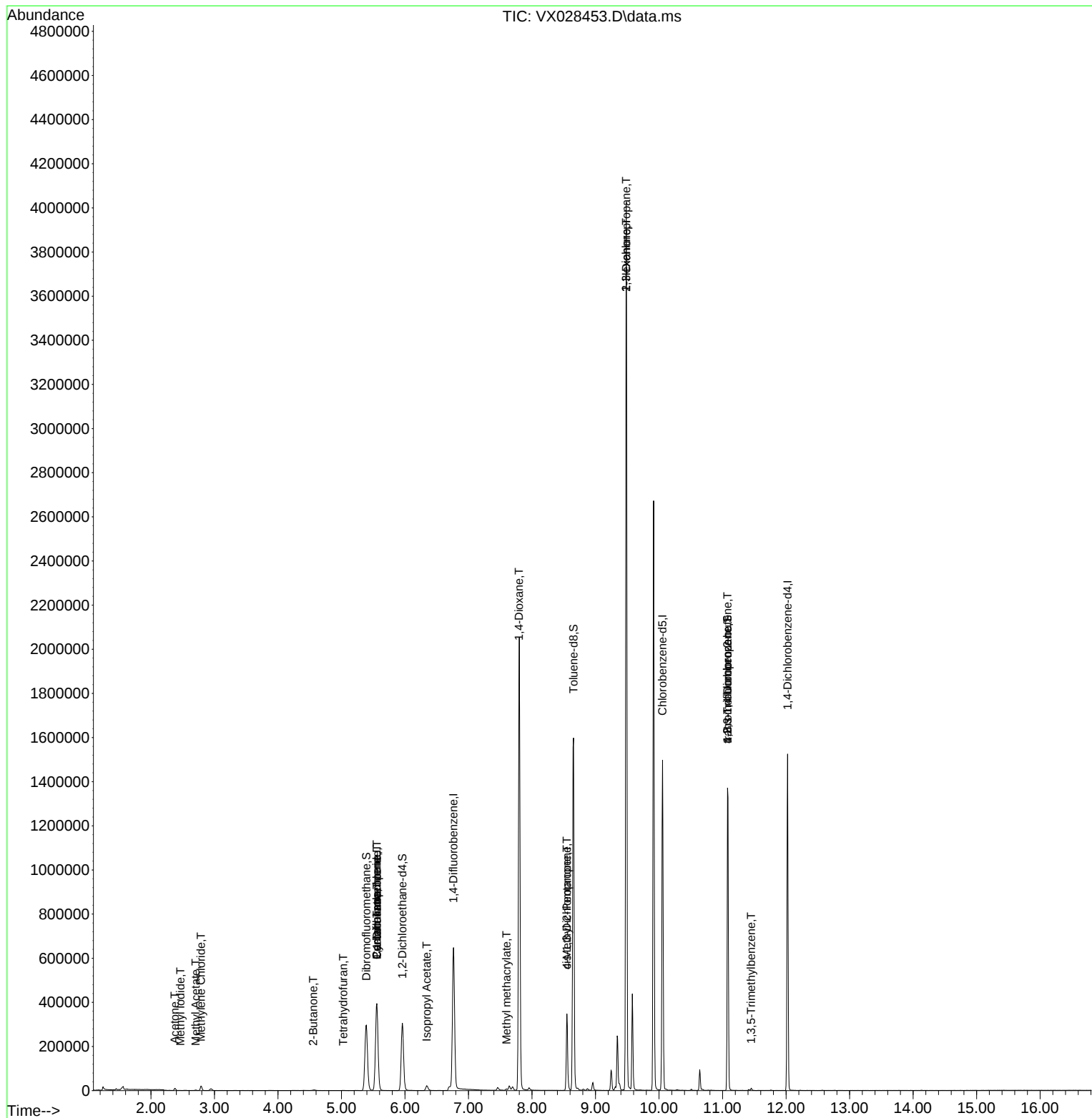
Internal Standards						
1) Pentafluorobenzene	5.556	168	379102	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	674422	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	690157	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	314259	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	288156	58.295	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 116.600%	
35) Dibromofluoromethane	5.391	113	258879	54.735	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 109.480%	
50) Toluene-d8	8.653	98	991038	54.555	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 109.120%	
62) 4-Bromofluorobenzene	11.079	95	362841	52.239	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 104.480%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	556	Below Cal	#	63
5) Bromomethane	1.611	94	991	Below Cal	#	79
6) Chloroethane	1.691	64	297	Below Cal		89
8) Diethyl Ether	2.124	74	76	Below Cal	#	39
10) Methyl Iodide	2.465	142	351	5.309	ug/l #	81
11) Tert butyl alcohol	2.940	59	4589	Below Cal	#	72
16) Acetone	2.373	43	10363	5.499	ug/l	95
18) Methyl Acetate	2.703	43	2792	0.635	ug/l #	86
20) Methylene Chloride	2.788	84	9623	2.624	ug/l	98
25) 2-Butanone	4.556	43	1574	0.538	ug/l #	81
29) Tetrahydrofuran	5.025	42	608	0.319	ug/l #	53
31) Cyclohexane	5.556	56	7707	1.280	ug/l #	22
36) 1,1-Dichloropropene	5.556	75	28249	4.579	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38735	5.562	ug/l #	15
43) Isopropyl Acetate	6.342	43	28713	2.818	ug/l	96
48) Methyl methacrylate	7.598	41	7870	1.683	ug/l #	7
49) 1,4-Dioxane	7.793	88	234	1.870	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	110160	16.849	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	58677	7.715	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	38135	4.635	ug/l #	43
59) 2-Hexanone	9.482	43	431592	85.221	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	177839	28.754	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4531	0.247	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	177839	85.450	ug/l #	15

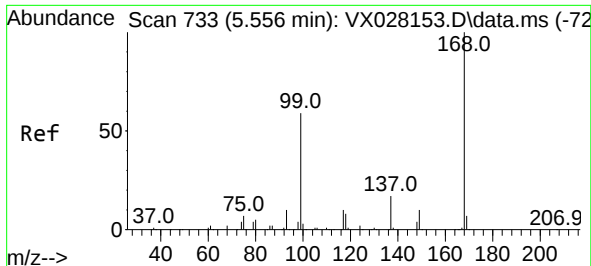
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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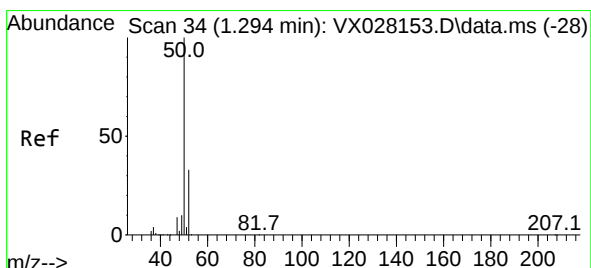
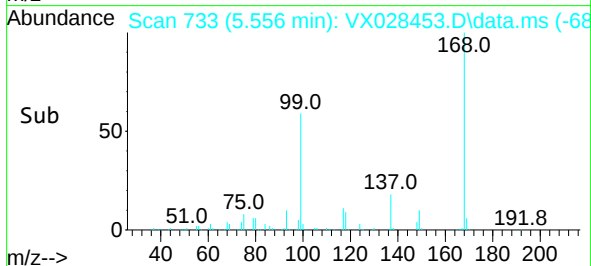
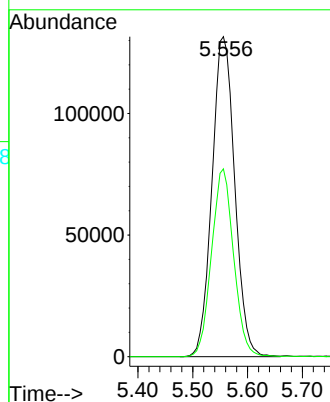
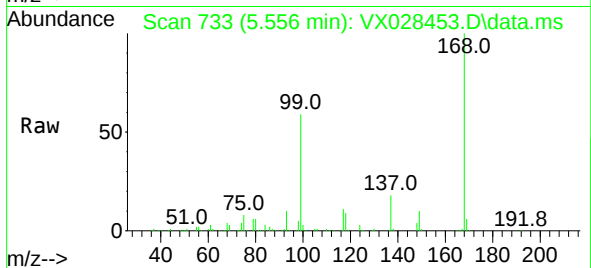




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

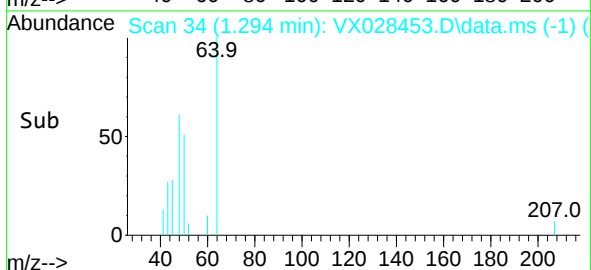
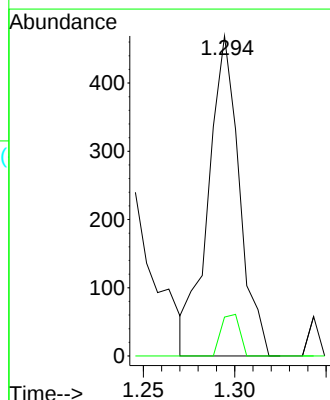
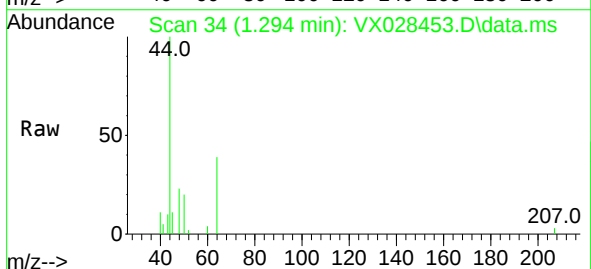
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#08

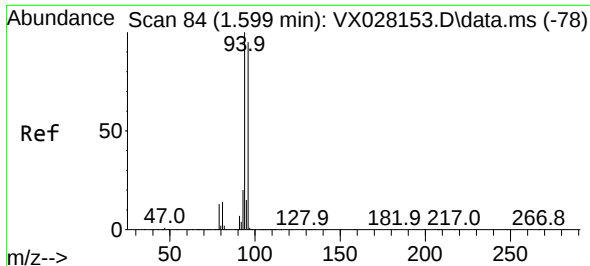
Tgt Ion:168 Resp: 379102
Ion Ratio Lower Upper
168 100
99 58.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Tgt Ion: 50 Resp: 556
Ion Ratio Lower Upper
50 100
52 12.2 26.4 39.6#

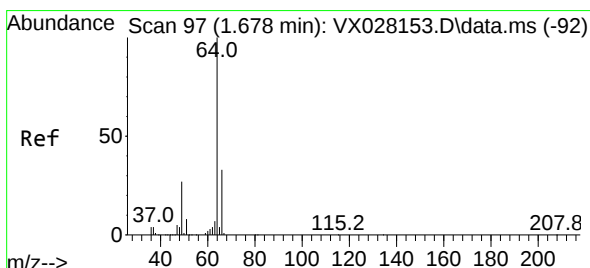
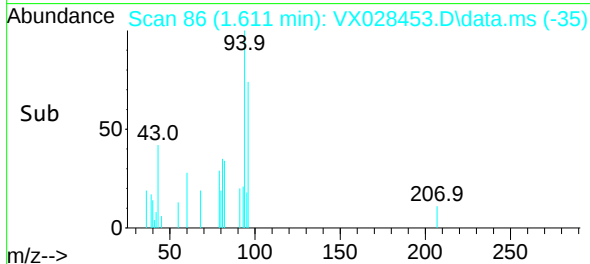
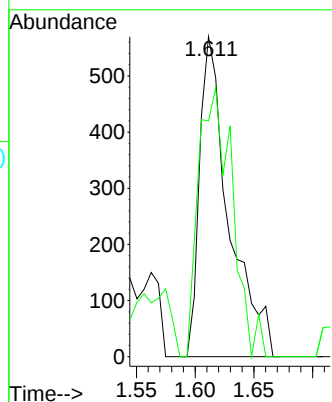
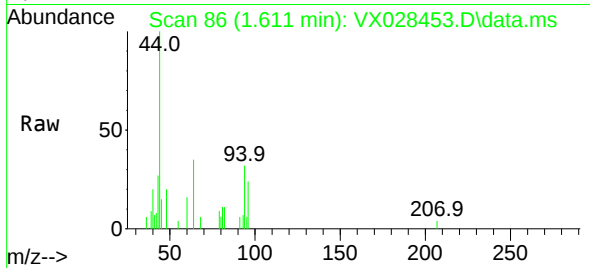




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

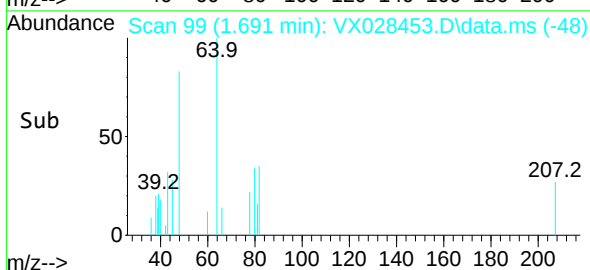
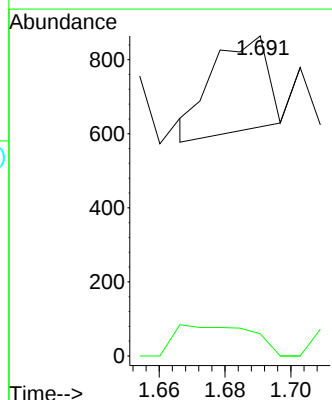
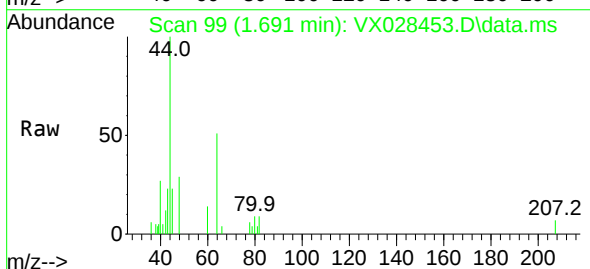
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#08

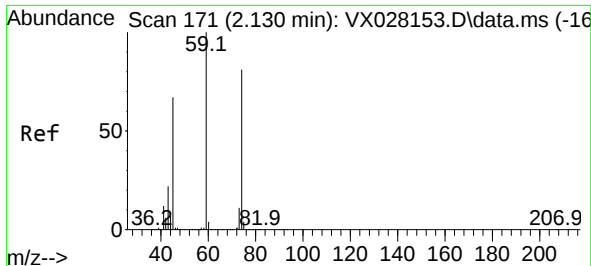
Tgt Ion: 94 Resp: 991
Ion Ratio Lower Upper
94 100
96 73.7 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.691 min Scan# 99
Delta R.T. 0.013 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

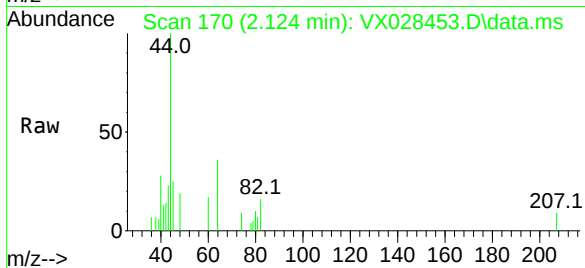
Tgt Ion: 64 Resp: 297
Ion Ratio Lower Upper
64 100
66 25.5 25.3 37.9



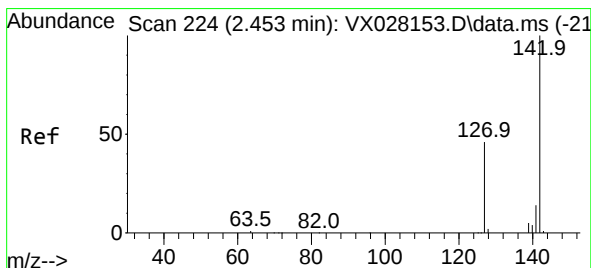
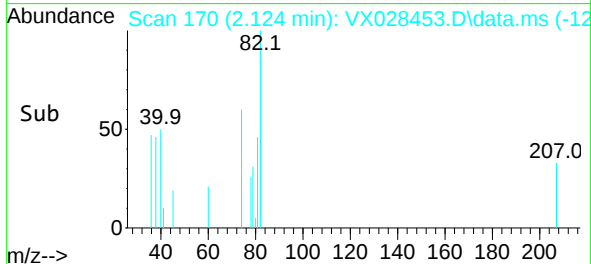
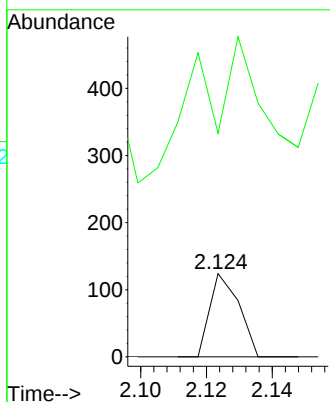


#8
Diethyl Ether
Concen: Below Cal
RT: 2.124 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#08

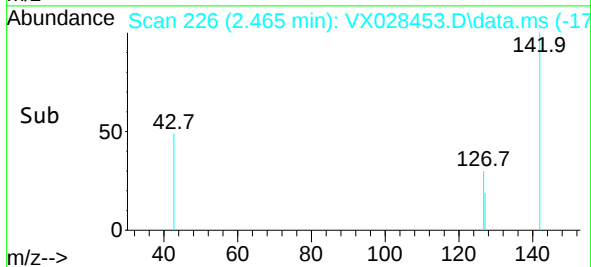
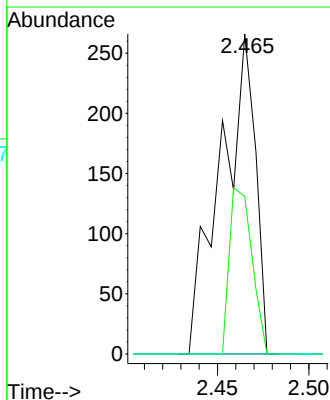
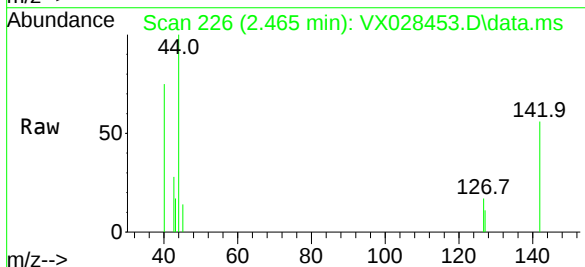


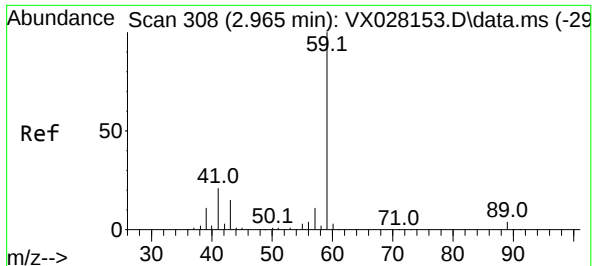
Tgt Ion: 74 Resp: 76
Ion Ratio Lower Upper
74 100
45 139.5 42.0 126.0#



#10
Methyl Iodide
Concen: 5.309 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Tgt Ion: 142 Resp: 351
Ion Ratio Lower Upper
142 100
127 33.6 33.9 50.9#
141 0.0 11.4 17.2#

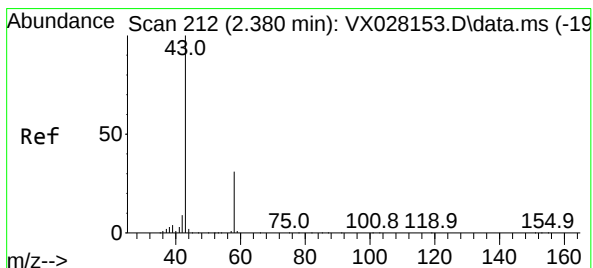
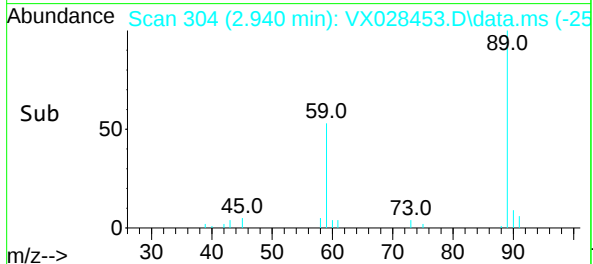
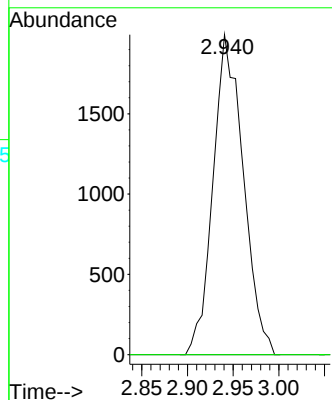
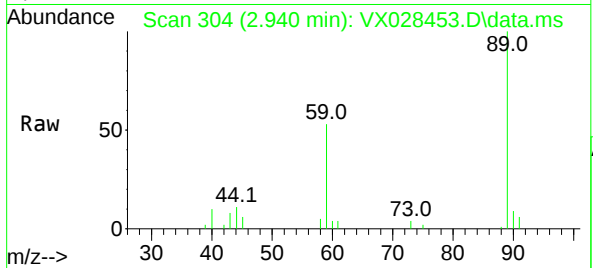




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

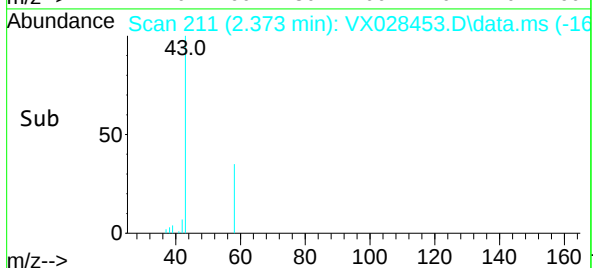
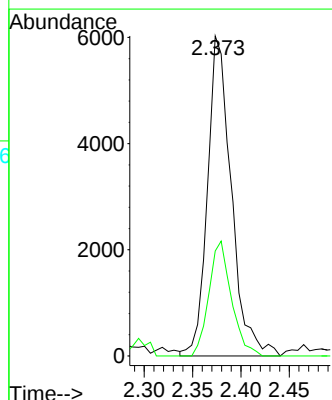
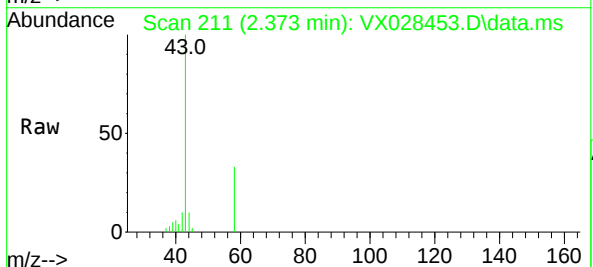
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#08

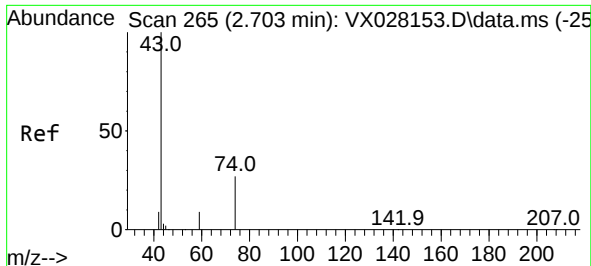
Tgt Ion: 59 Resp: 4589
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 5.499 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Tgt Ion: 43 Resp: 10363
Ion Ratio Lower Upper
43 100
58 32.8 28.8 43.2

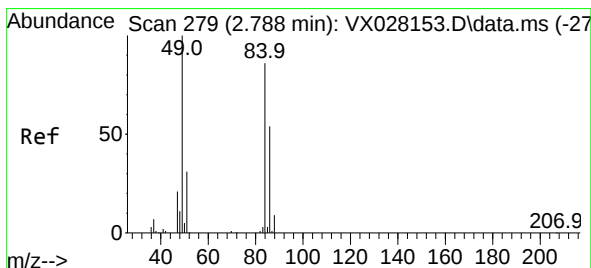
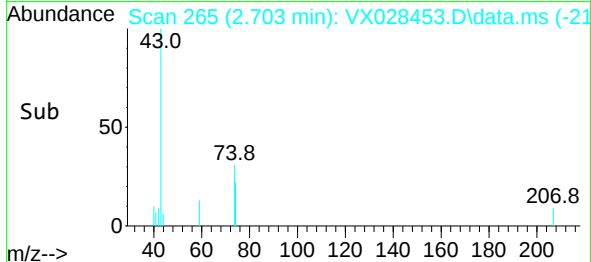
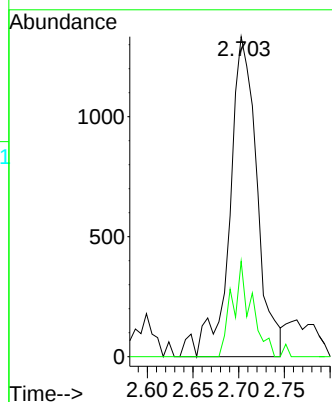
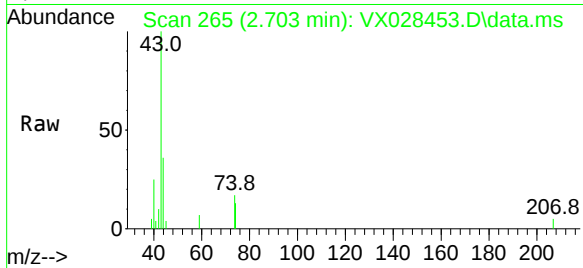




#18
Methyl Acetate
Concen: 0.635 ug/l
RT: 2.703 min Scan# 207
Delta R.T. -0.000 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

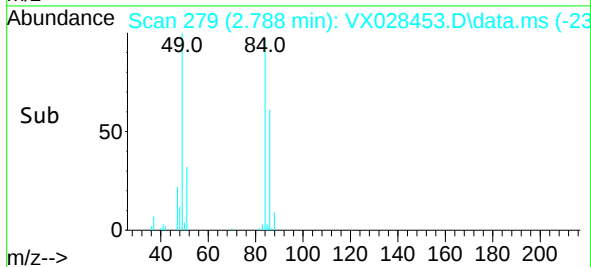
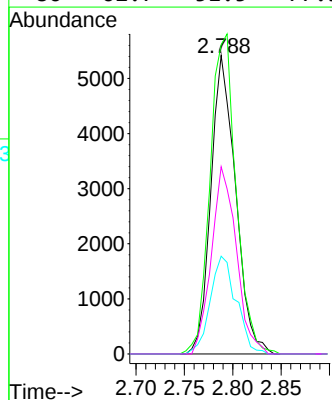
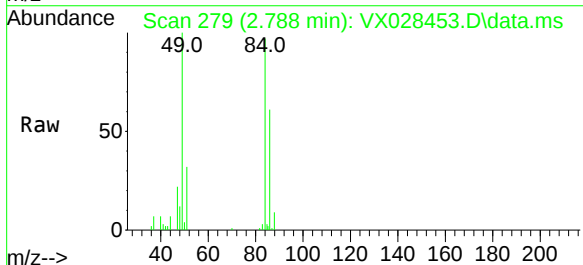
Instrument :
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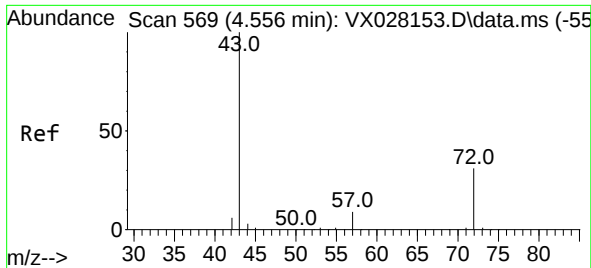
Tgt Ion: 43 Resp: 2792
Ion Ratio Lower Upper
43 100
74 21.1 22.8 34.2#



#20
Methylene Chloride
Concen: 2.624 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Tgt Ion: 84 Resp: 9623
Ion Ratio Lower Upper
84 100
49 103.5 85.5 128.3
51 32.8 26.6 39.8
86 62.7 51.5 77.3





#25

2-Butanone

Concen: 0.538 ug/l

RT: 4.556 min Scan# 5

Delta R.T. 0.000 min

Lab File: VX028453.D

Acq: 30 Apr 2022 03:27

Instrument :

MSVOA_X

ClientSampleId :

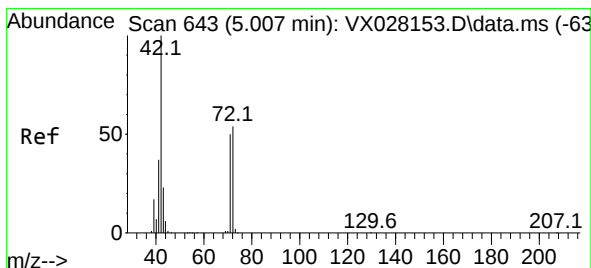
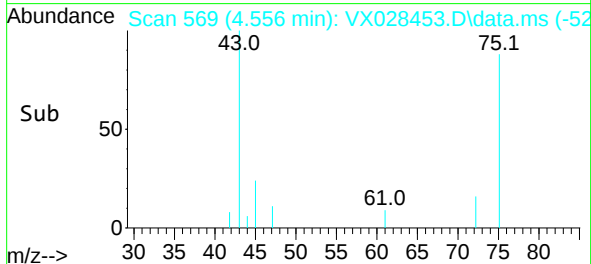
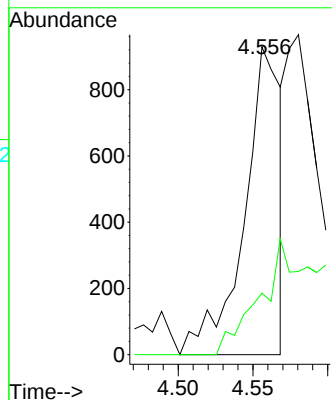
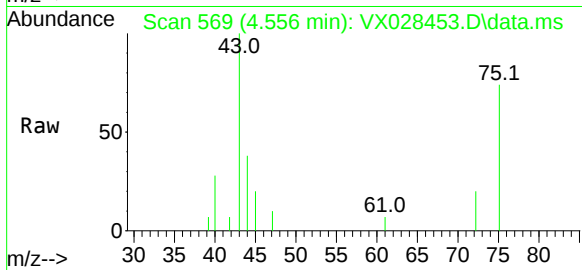
PB144452ZHE#08

Tgt Ion: 43 Resp: 1574

Ion Ratio Lower Upper

43 100

72 20.0 24.4 36.6#



#29

Tetrahydrofuran

Concen: 0.319 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX028453.D

Acq: 30 Apr 2022 03:27

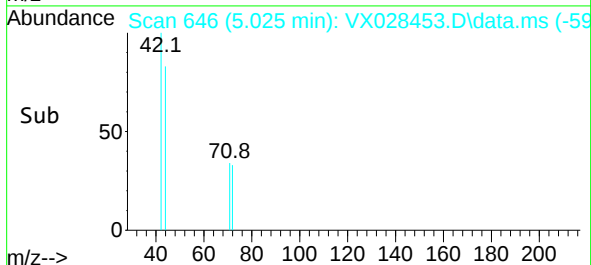
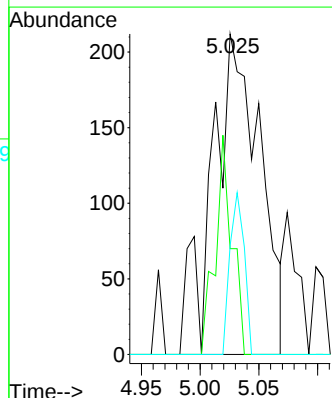
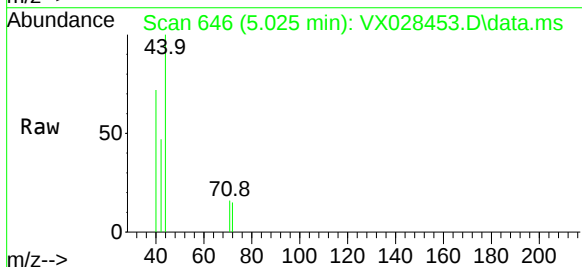
Tgt Ion: 42 Resp: 608

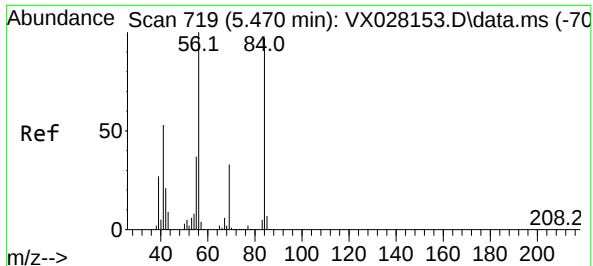
Ion Ratio Lower Upper

42 100

72 23.5 44.1 66.1#

71 15.0 40.5 60.7#

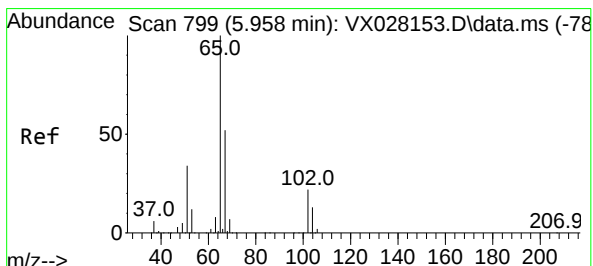
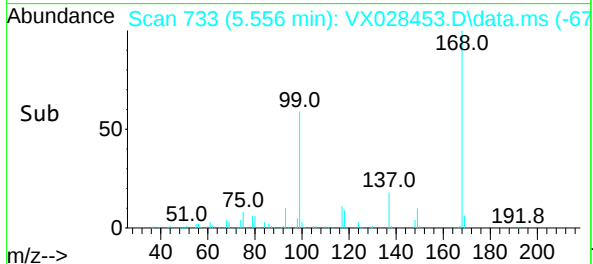
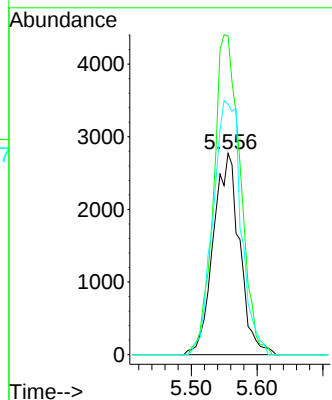
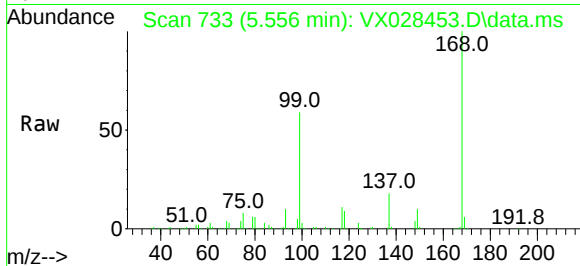




#31
Cyclohexane
Concen: 1.280 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

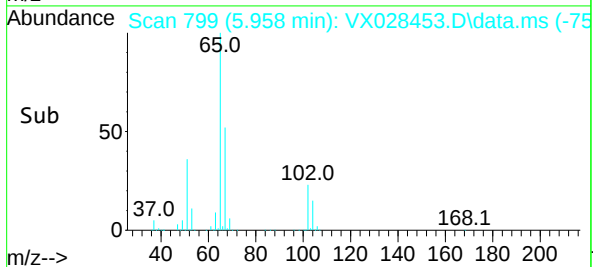
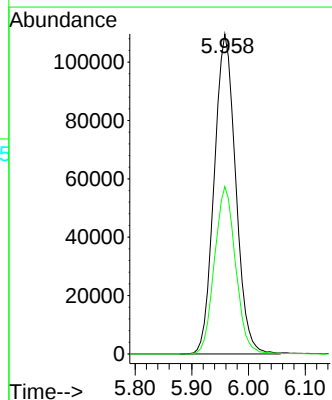
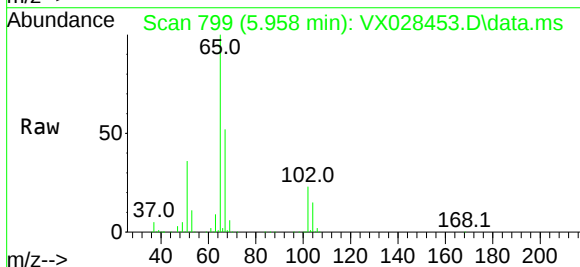
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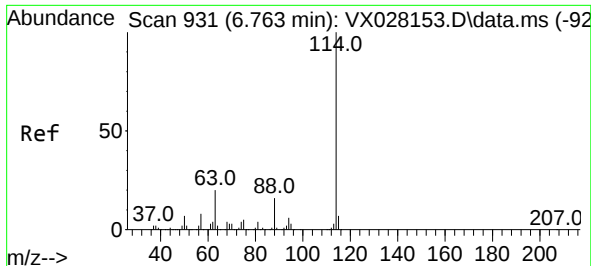
Tgt Ion: 56 Resp: 7707
Ion Ratio Lower Upper
56 100
69 158.4 26.7 40.1#
84 124.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.295 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Tgt Ion: 65 Resp: 288156
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.4

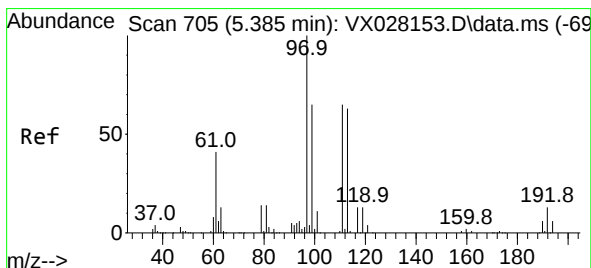
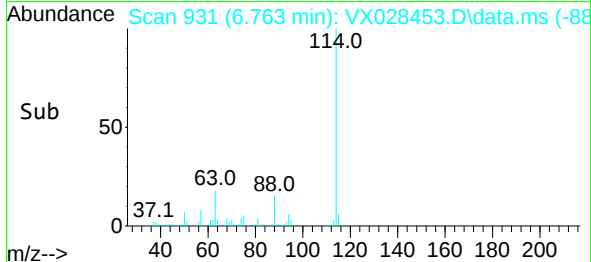
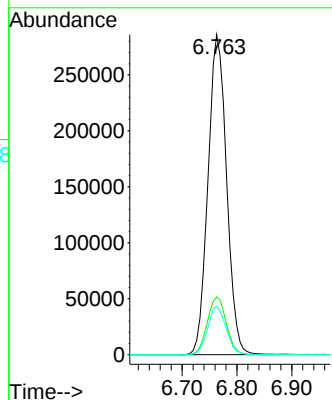
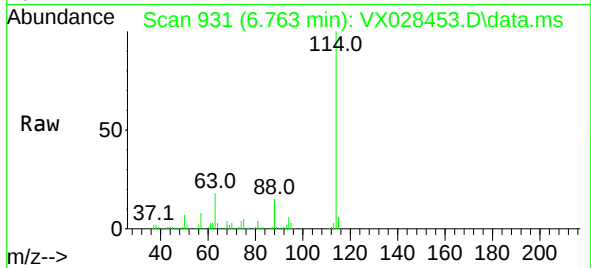




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

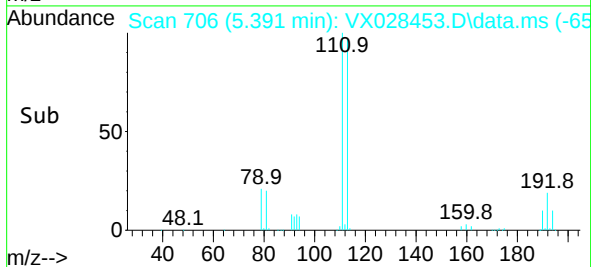
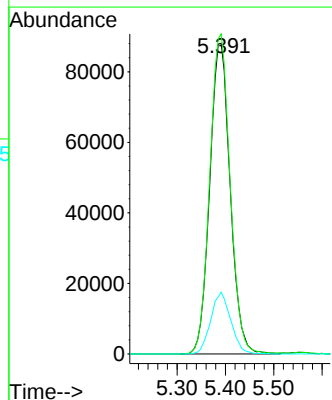
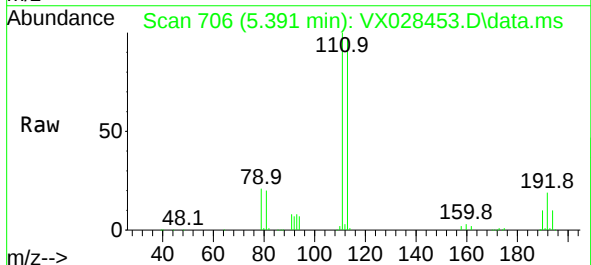
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#08

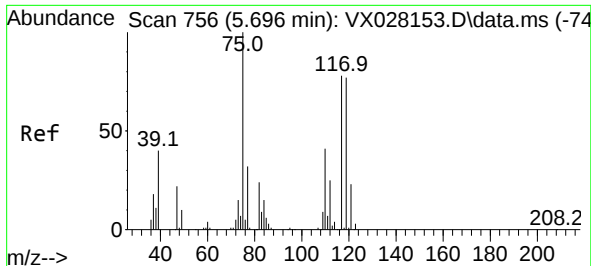
Tgt Ion:114 Resp: 674422
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.8
88 15.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 54.735 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Tgt Ion:113 Resp: 258879
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 19.6 16.9 25.3

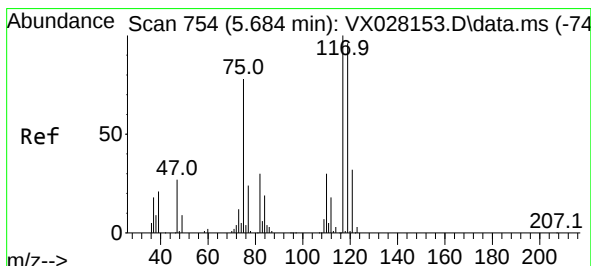
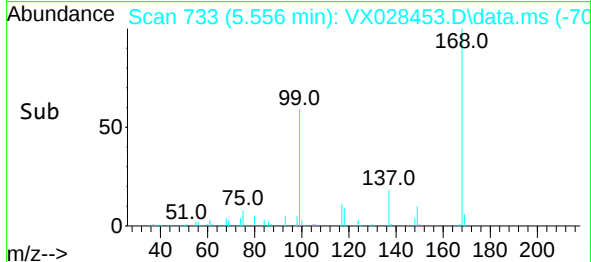
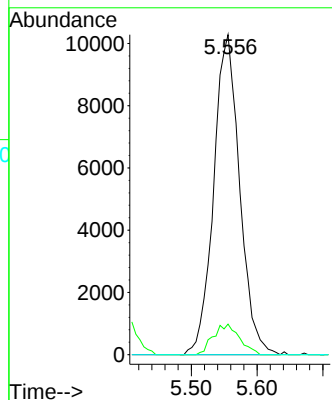
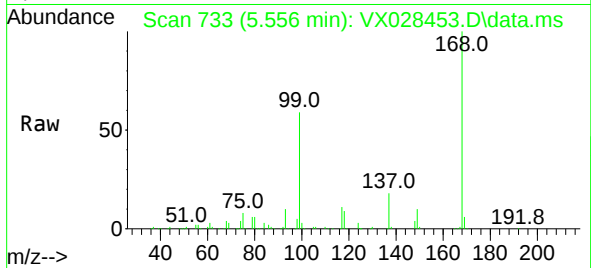




#36
1,1-Dichloropropene
Concen: 4.579 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

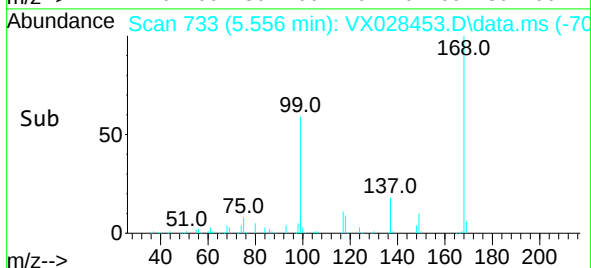
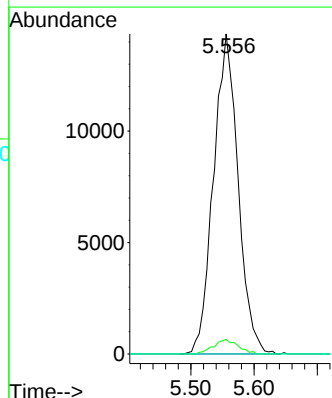
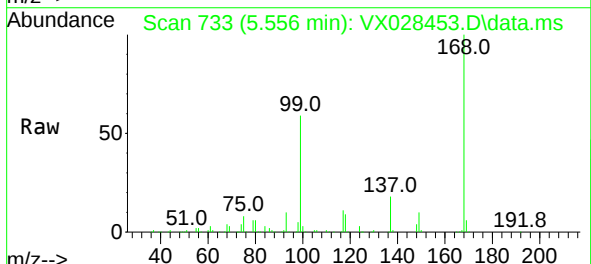
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#08

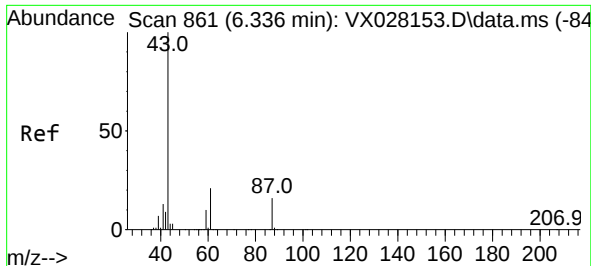
Tgt Ion: 75 Resp: 28249
Ion Ratio Lower Upper
75 100
110 9.7 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.562 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

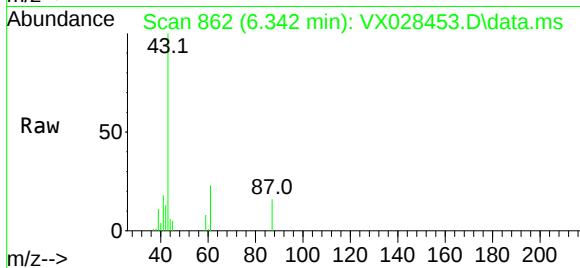
Tgt Ion: 117 Resp: 38735
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



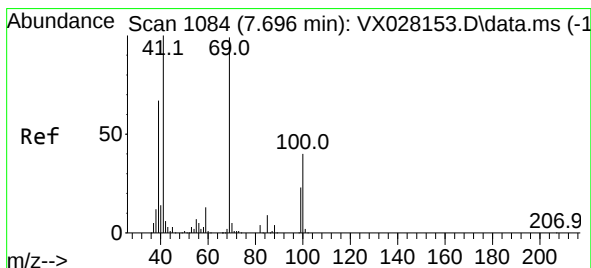
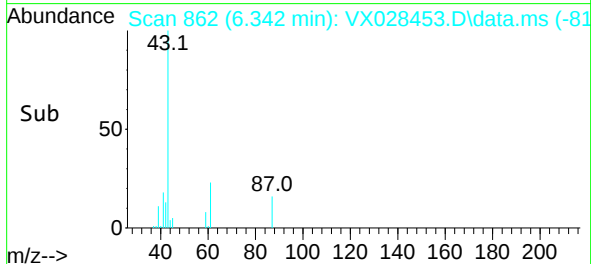
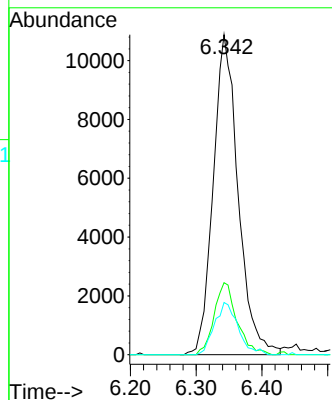


#43
Isopropyl Acetate
Concen: 2.818 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#08

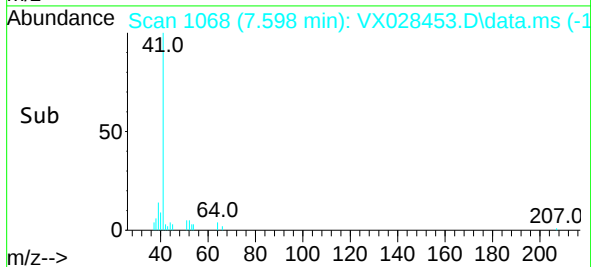
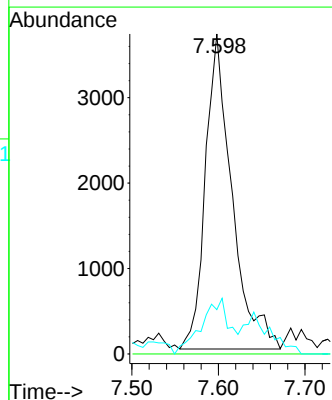
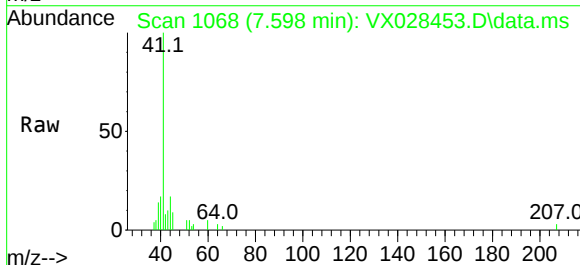


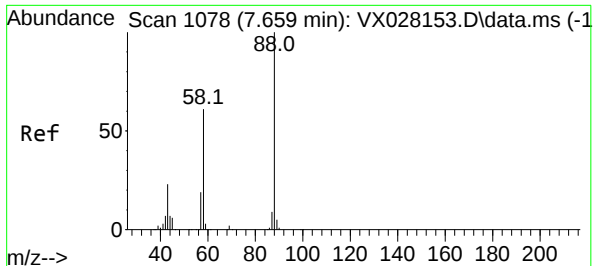
Tgt Ion: 43 Resp: 28713
Ion Ratio Lower Upper
43 100
61 20.6 18.5 27.7
87 15.5 13.0 19.6



#48
Methyl methacrylate
Concen: 1.683 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Tgt Ion: 41 Resp: 7870
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: 1.870 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028453.D

Acq: 30 Apr 2022 03:27

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#08

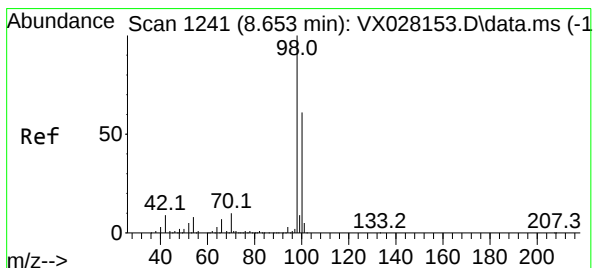
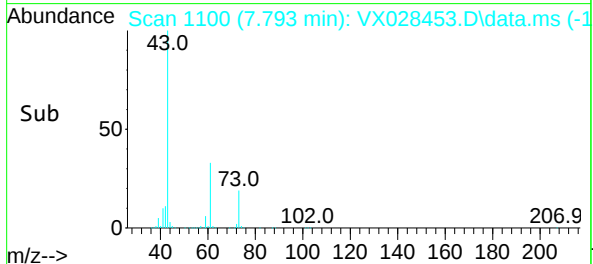
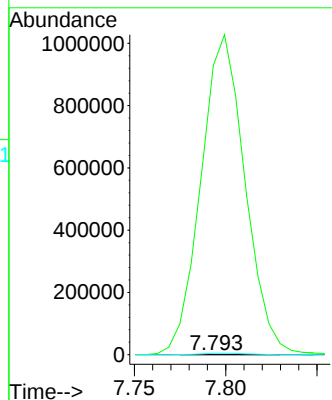
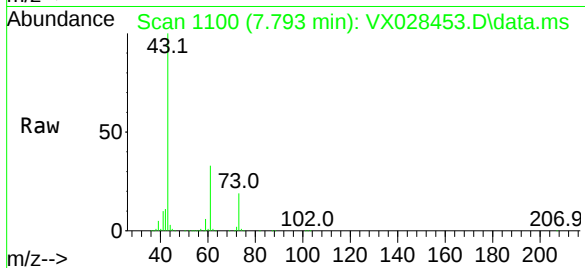
Tgt Ion: 88 Resp: 234

Ion Ratio Lower Upper

88 100

43 741736.8 21.9 32.9#

58 3609.0 53.7 80.5#



#50

Toluene-d8

Concen: 54.555 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028453.D

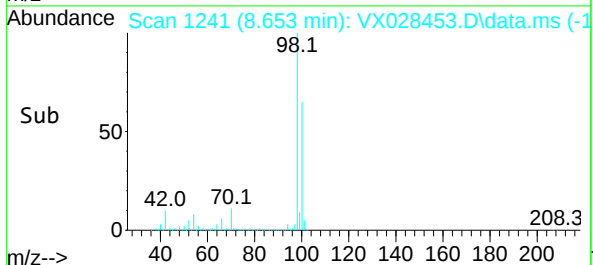
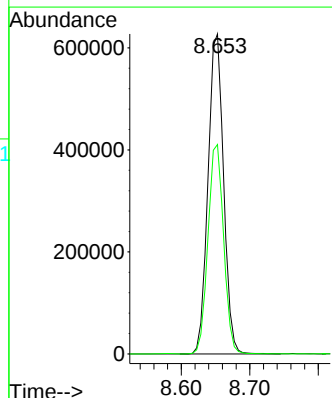
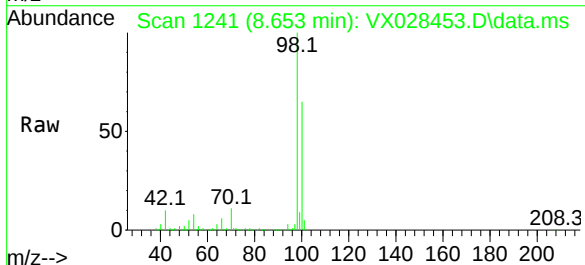
Acq: 30 Apr 2022 03:27

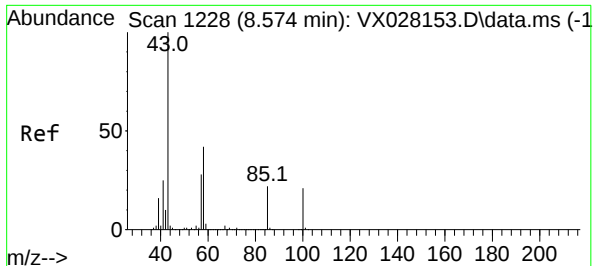
Tgt Ion: 98 Resp: 991038

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.849 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. -0.025 min

Lab File: VX028453.D

Acq: 30 Apr 2022 03:27

Instrument :

MSVOA_X

ClientSampleId :

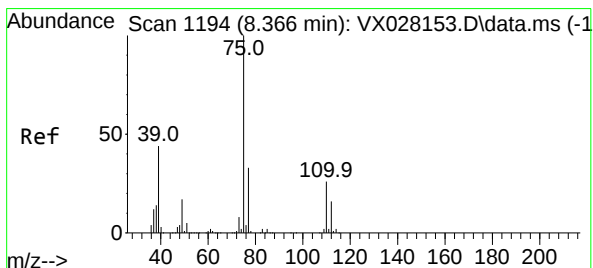
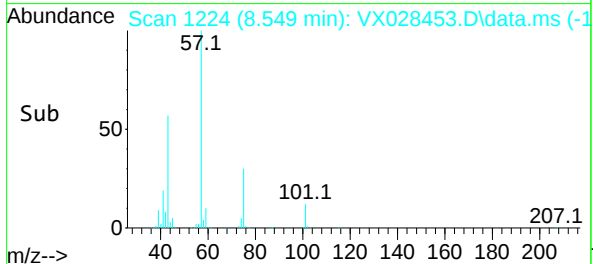
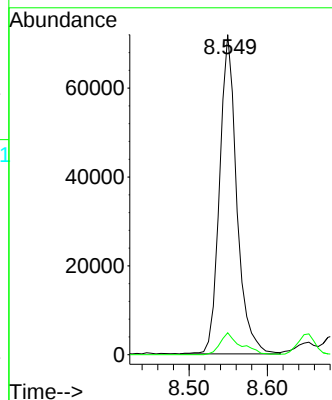
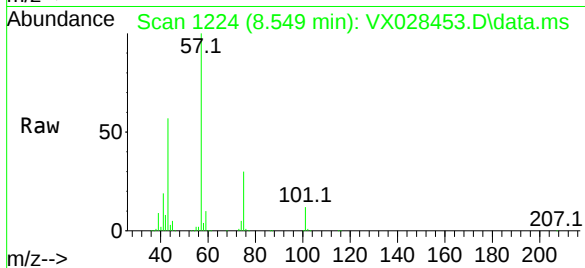
PB144452ZHE#08

Tgt Ion: 43 Resp: 110160

Ion Ratio Lower Upper

43 100

58 8.2 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.715 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028453.D

Acq: 30 Apr 2022 03:27

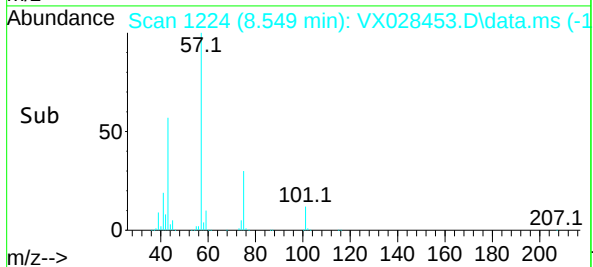
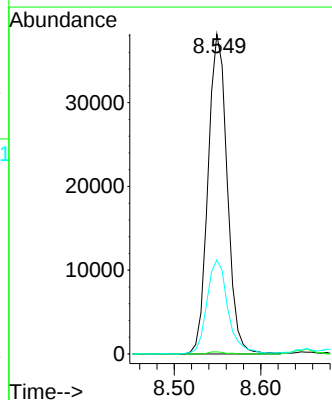
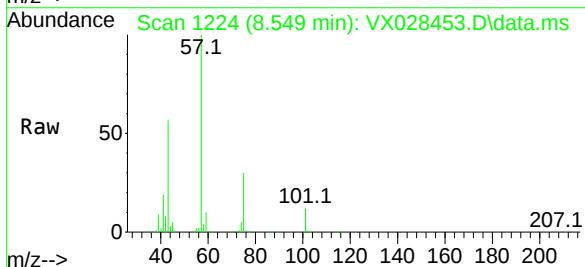
Tgt Ion: 75 Resp: 58677

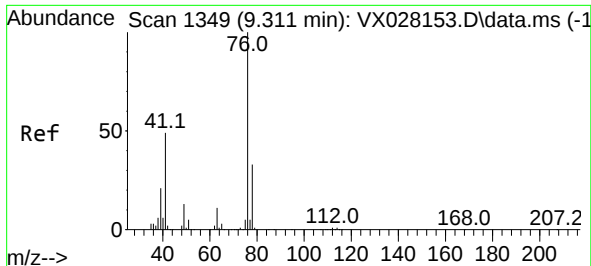
Ion Ratio Lower Upper

75 100

77 0.7 24.8 37.2#

39 29.4 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.635 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028453.D

Acq: 30 Apr 2022 03:27

Instrument :

MSVOA_X

ClientSampleId :

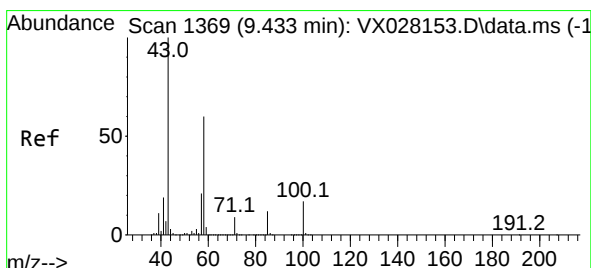
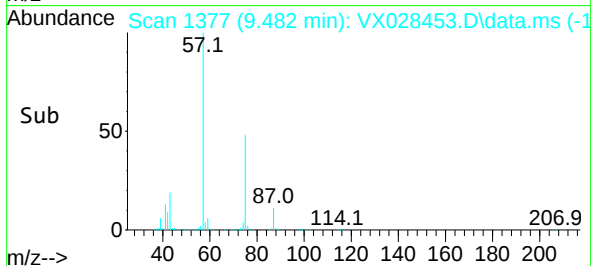
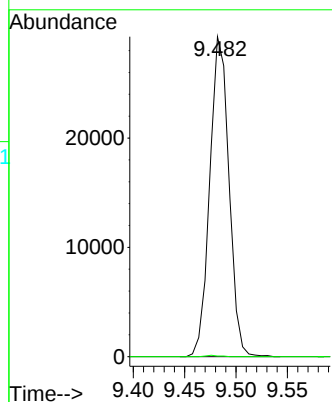
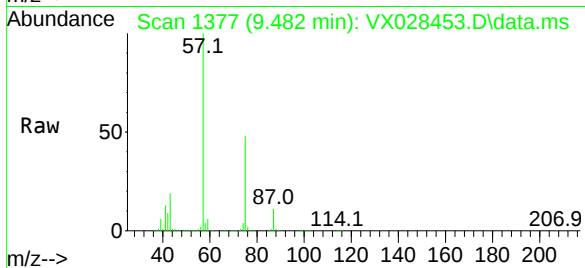
PB144452ZHE#08

Tgt Ion: 76 Resp: 38135

Ion Ratio Lower Upper

76 100

78 0.3 25.8 38.8#



#59

2-Hexanone

Concen: 85.221 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028453.D

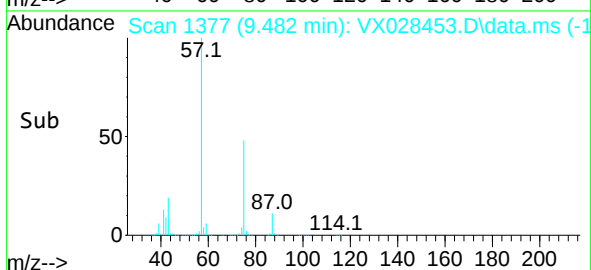
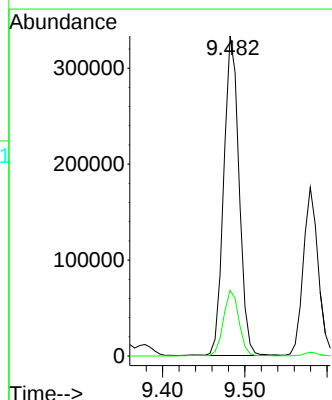
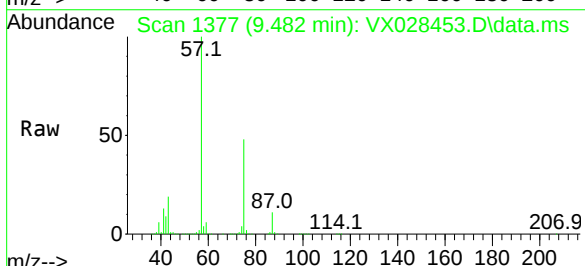
Acq: 30 Apr 2022 03:27

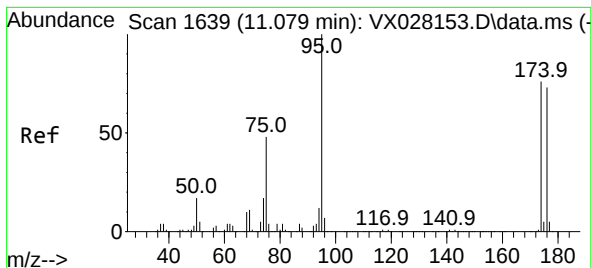
Tgt Ion: 43 Resp: 431592

Ion Ratio Lower Upper

43 100

58 20.6 31.9 95.7#

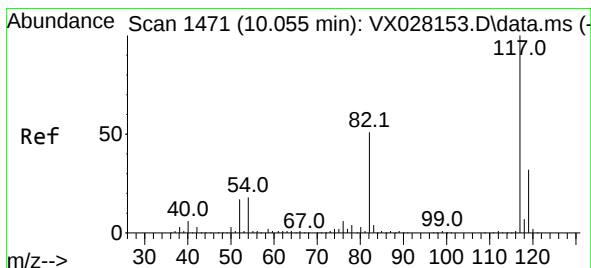
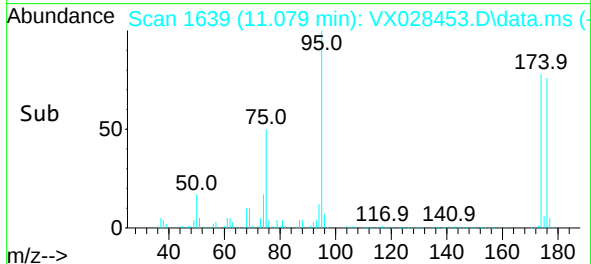
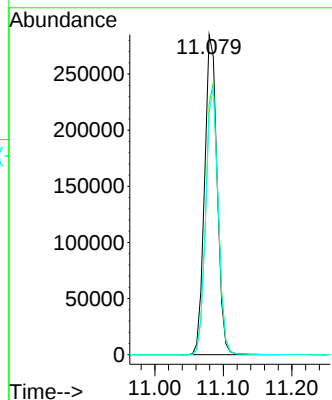
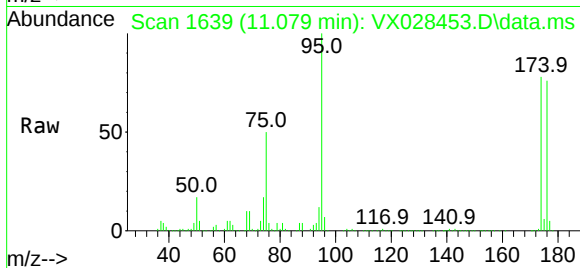




#62
4-Bromofluorobenzene
Concen: 52.239 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

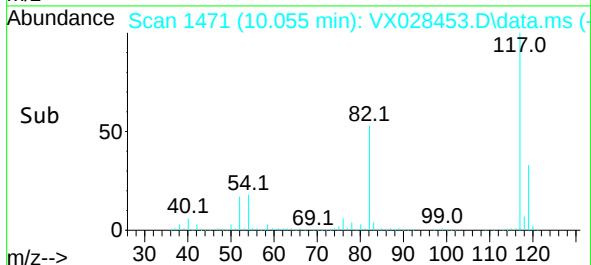
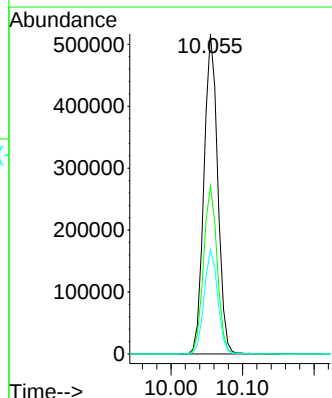
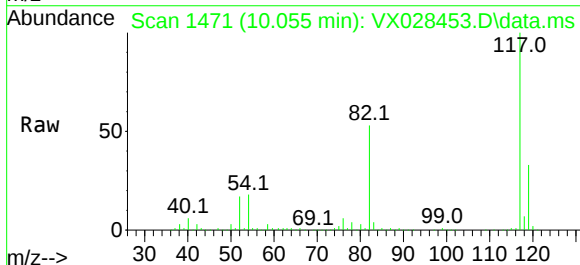
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#08

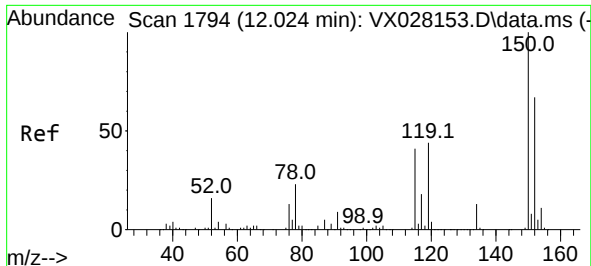
Tgt Ion: 95 Resp: 362841
Ion Ratio Lower Upper
95 100
174 84.5 0.0 163.0
176 82.9 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Tgt Ion: 117 Resp: 690157
Ion Ratio Lower Upper
117 100
82 52.6 41.8 62.8
119 32.6 24.8 37.2

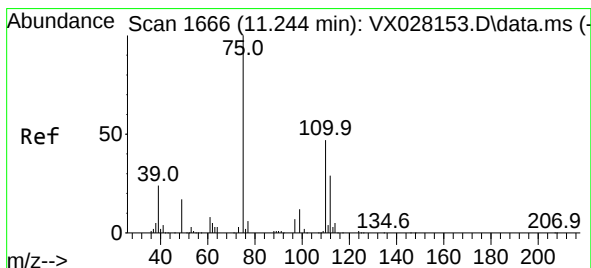
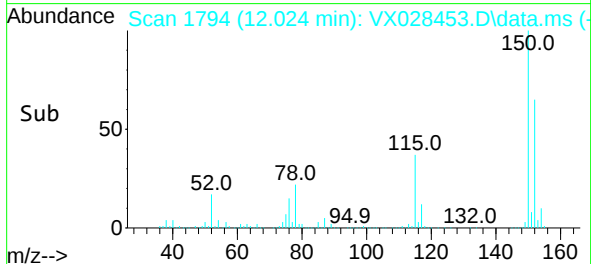
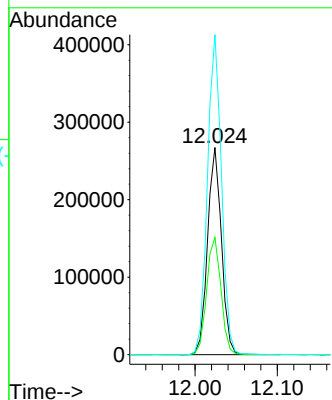
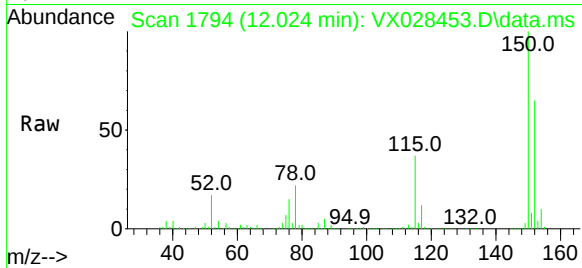




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

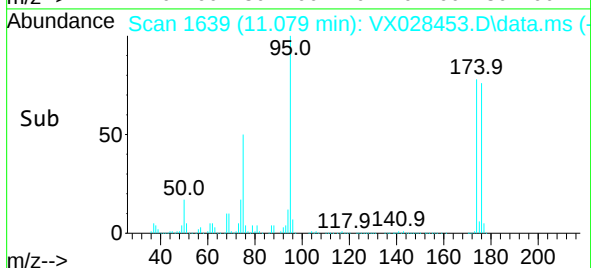
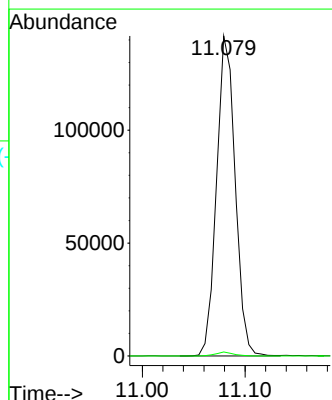
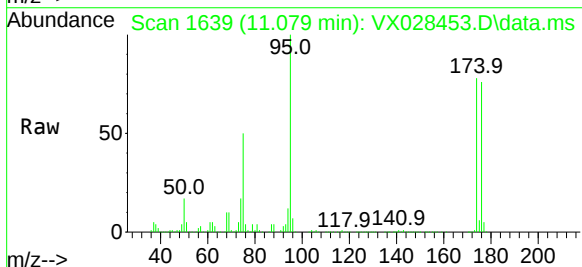
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#08

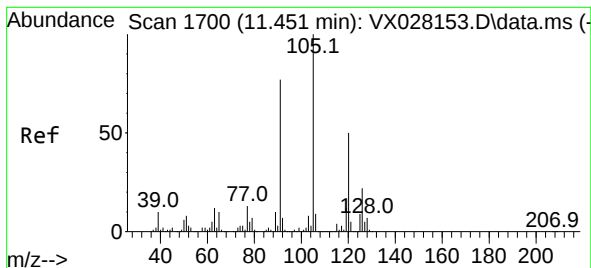
Tgt Ion:152 Resp: 314259
Ion Ratio Lower Upper
152 100
115 58.3 37.5 112.7
150 155.5 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 28.754 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028453.D
Acq: 30 Apr 2022 03:27

Tgt Ion: 75 Resp: 177839
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.247 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028453.D

Acq: 30 Apr 2022 03:27

Instrument :

MSVOA_X

ClientSampleId :

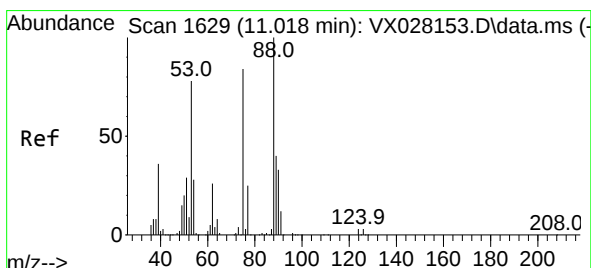
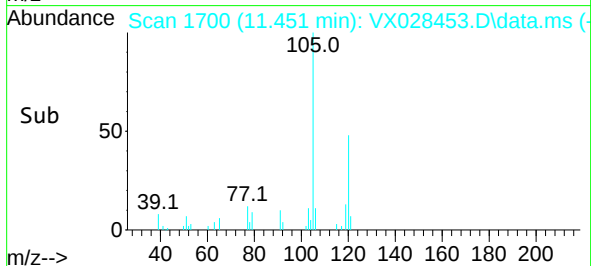
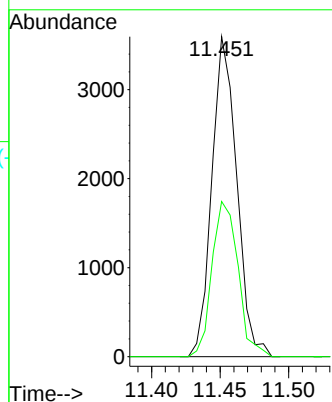
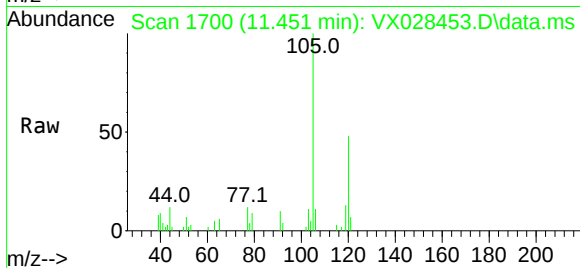
PB144452ZHE#08

Tgt Ion:105 Resp: 4531

Ion Ratio Lower Upper

105 100

120 50.7 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 85.450 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028453.D

Acq: 30 Apr 2022 03:27

Tgt Ion: 75 Resp: 177839

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

