

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028452.D
 Acq On : 30 Apr 2022 03:03
 Operator : JC/MD
 Sample : PB144452ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#07

Quant Time: Apr 30 09:22:43 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)

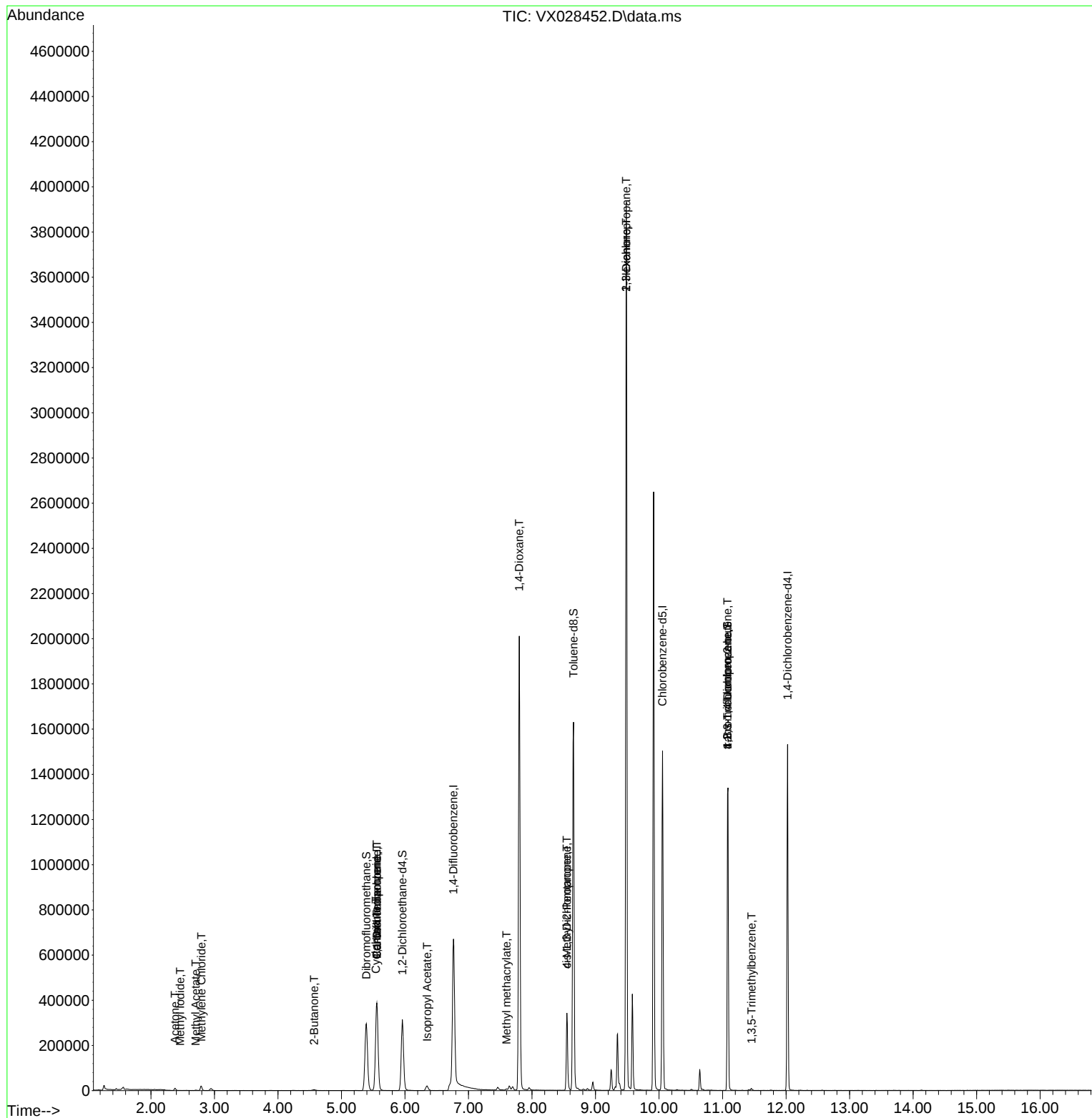
Internal Standards						
1) Pentafluorobenzene	5.556	168	375335	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	674949	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	694016	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	311862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	289327	59.120	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 118.240%	
35) Dibromofluoromethane	5.391	113	256141	54.114	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.220%	
50) Toluene-d8	8.653	98	987721	54.330	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 108.660%	
62) 4-Bromofluorobenzene	11.079	95	359710	51.748	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 103.500%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	456	Below Cal	#	68
5) Bromomethane	1.618	94	1038	Below Cal		94
6) Chloroethane	1.679	64	114	Below Cal	#	43
10) Methyl Iodide	2.459	142	445	5.330	ug/l #	85
11) Tert butyl alcohol	2.953	59	5144	Below Cal	#	72
16) Acetone	2.380	43	9697	5.120	ug/l	95
18) Methyl Acetate	2.703	43	2450	0.563	ug/l #	85
20) Methylene Chloride	2.794	84	9574	2.637	ug/l	93
25) 2-Butanone	4.568	43	3374	1.164	ug/l #	81
31) Cyclohexane	5.544	56	7544	1.265	ug/l #	40
36) 1,1-Dichloropropene	5.556	75	28124	4.555	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38037	5.457	ug/l #	15
43) Isopropyl Acetate	6.348	43	28253	2.771	ug/l	97
48) Methyl methacrylate	7.598	41	8230	1.758	ug/l #	7
49) 1,4-Dioxane	7.799	88	303	2.420	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	109555	16.744	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	57495	7.553	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	38243	4.644	ug/l #	43
59) 2-Hexanone	9.482	43	426225	84.096	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	177625	28.940	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4129	0.227	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	177625	86.003	ug/l #	15

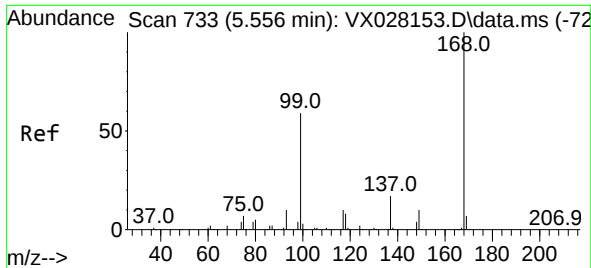
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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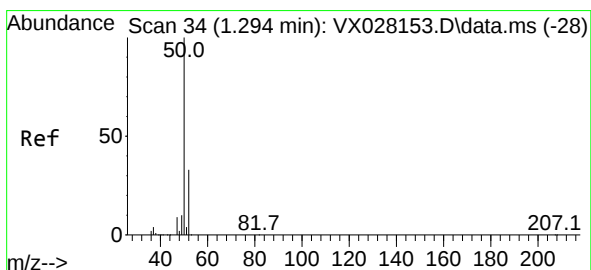
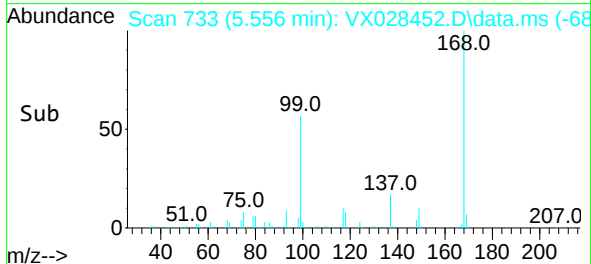
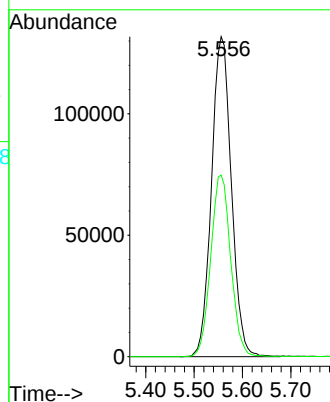
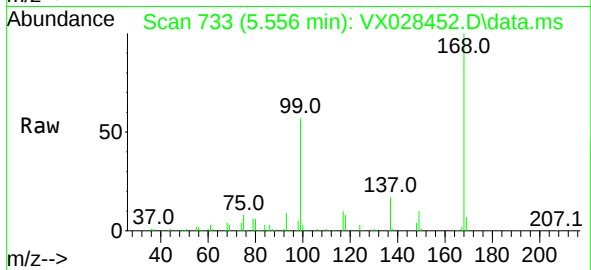




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

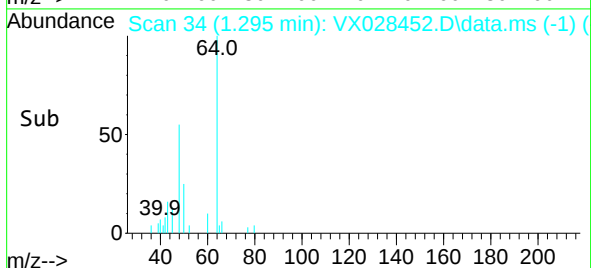
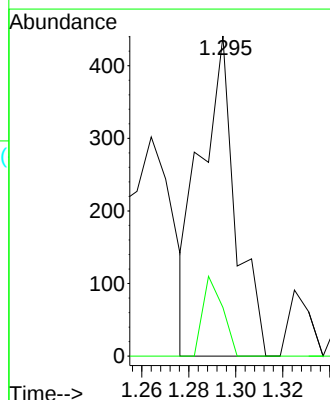
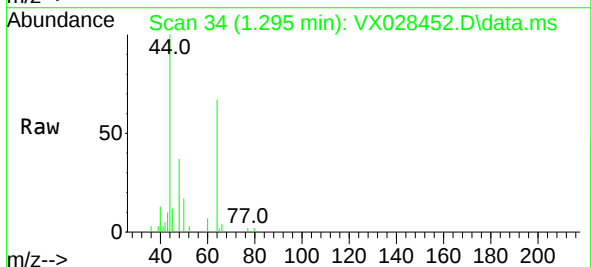
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07

Tgt Ion:168 Resp: 375335
Ion Ratio Lower Upper
168 100
99 56.8 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 50 Resp: 456
Ion Ratio Lower Upper
50 100
52 15.2 26.4 39.6#

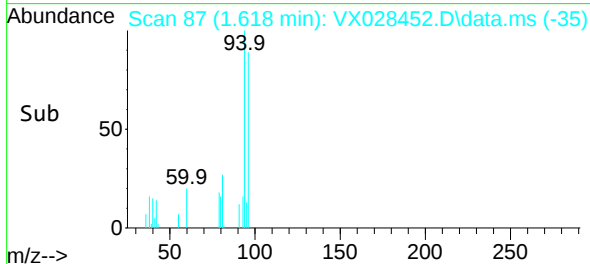
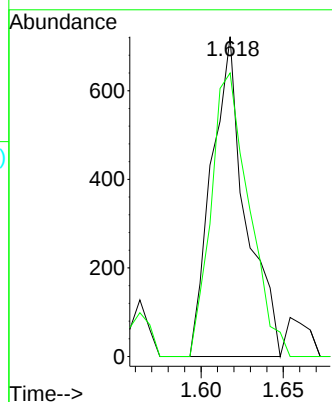
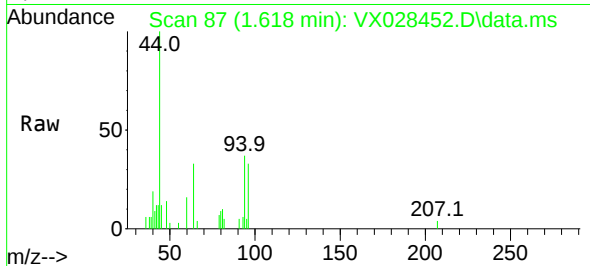




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

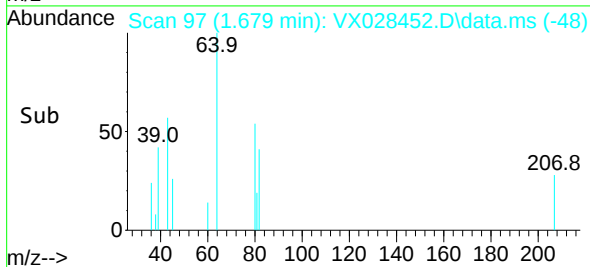
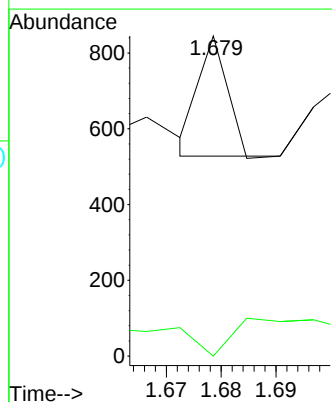
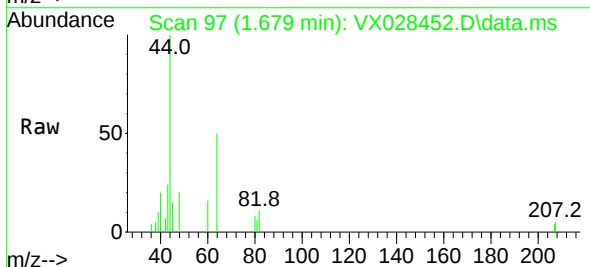
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07

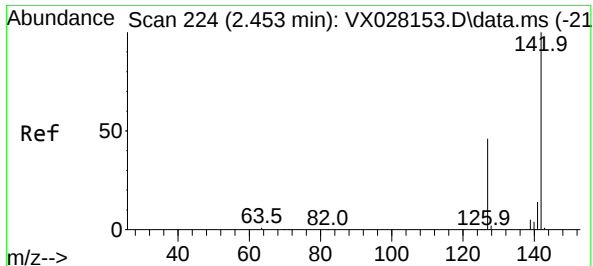
Tgt Ion: 94 Resp: 1038
Ion Ratio Lower Upper
94 100
96 88.6 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 97
Delta R.T. 0.001 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 64 Resp: 114
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

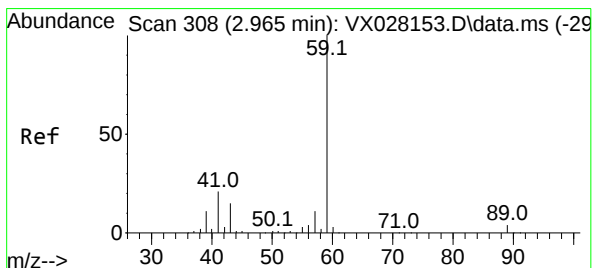
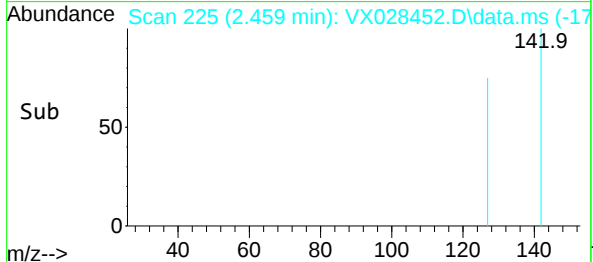
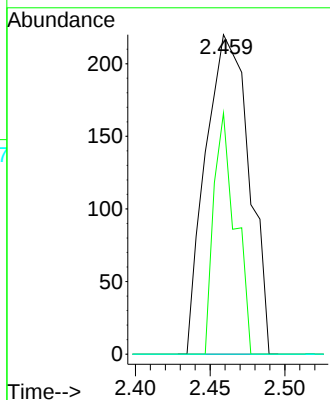
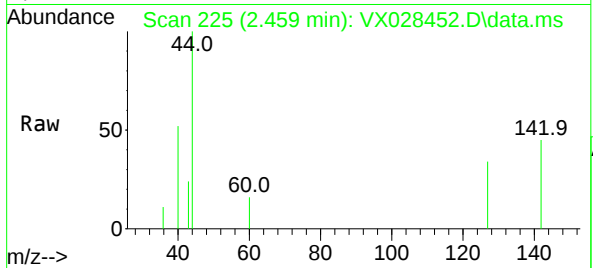




#10
Methyl Iodide
Concen: 5.330 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

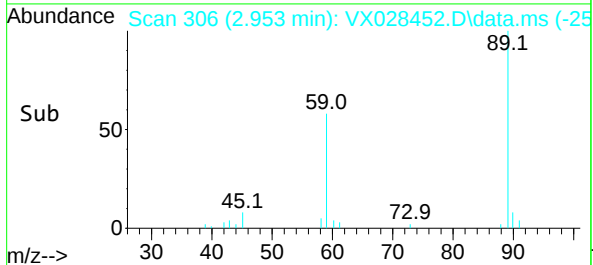
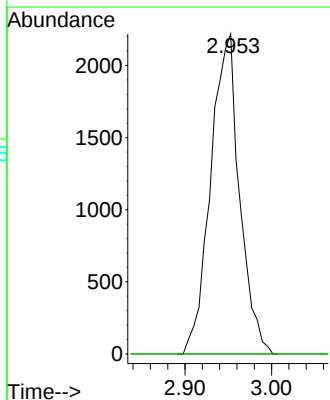
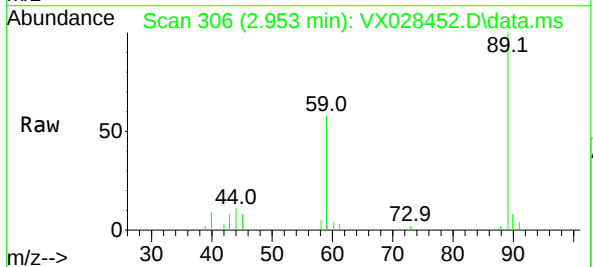
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07

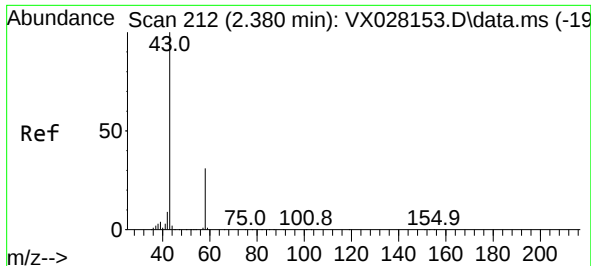
Tgt Ion:142 Resp: 445
Ion Ratio Lower Upper
142 100
127 37.5 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 59 Resp: 5144
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

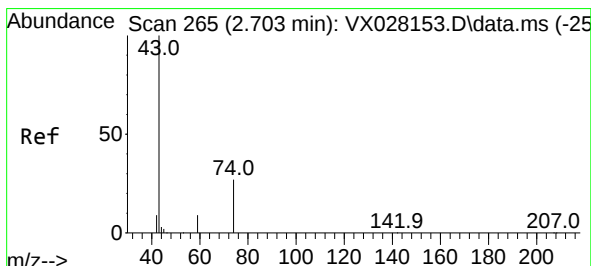
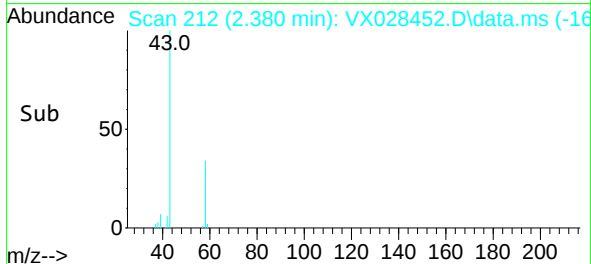
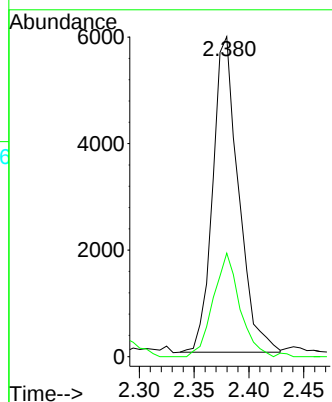
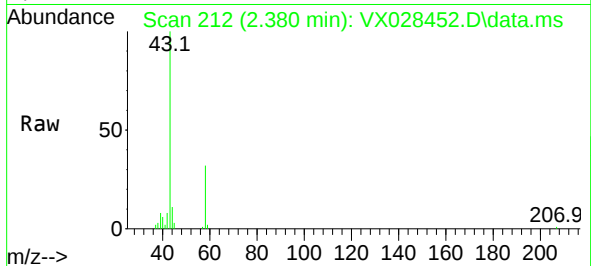




#16
Acetone
Concen: 5.120 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

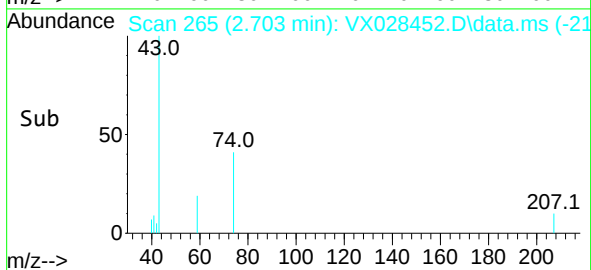
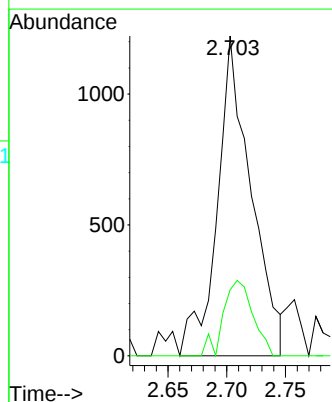
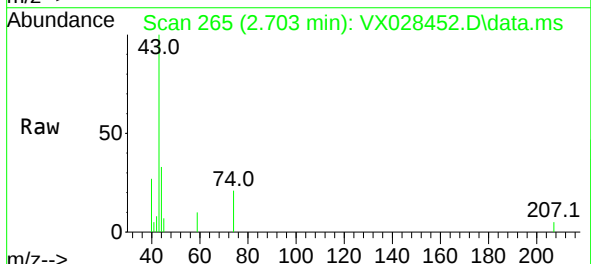
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07

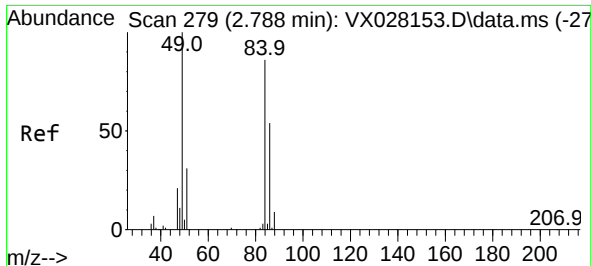
Tgt Ion: 43 Resp: 9697
Ion Ratio Lower Upper
43 100
58 32.8 28.8 43.2



#18
Methyl Acetate
Concen: 0.563 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

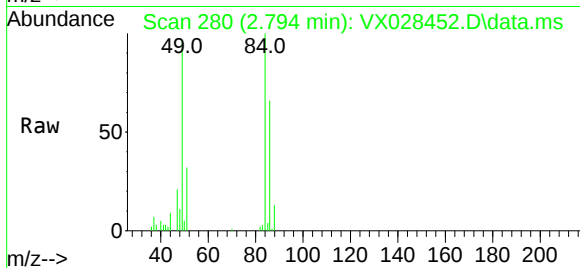
Tgt Ion: 43 Resp: 2450
Ion Ratio Lower Upper
43 100
74 20.6 22.8 34.2#





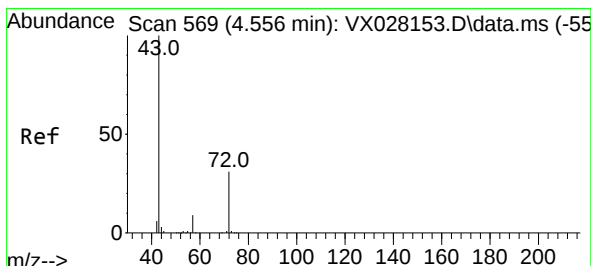
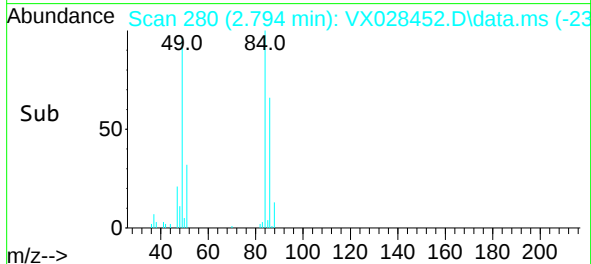
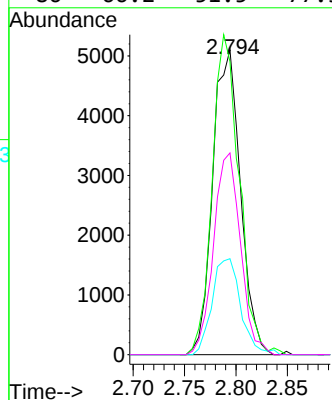
#20
Methylene Chloride
Concen: 2.637 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07



Tgt Ion: 84 Resp: 9574

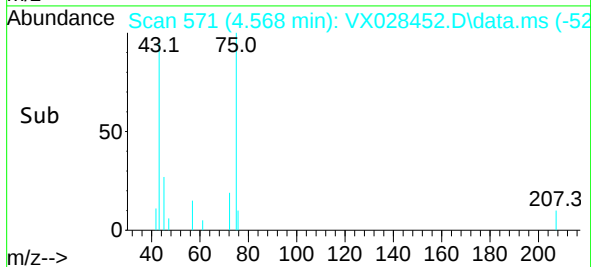
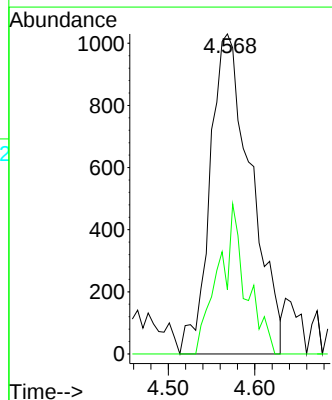
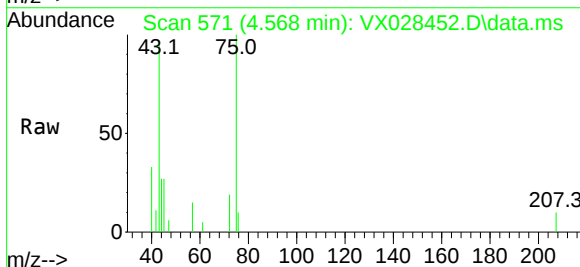
Ion	Ratio	Lower	Upper
84	100		
49	96.1	85.5	128.3
51	31.5	26.6	39.8
86	66.2	51.5	77.3

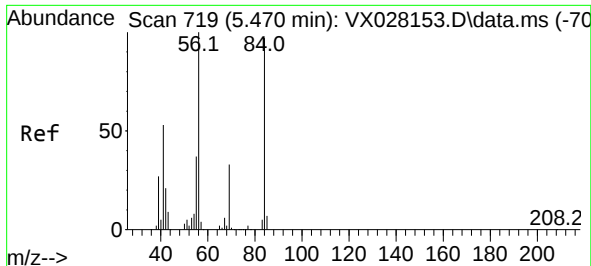


#25
2-Butanone
Concen: 1.164 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 43 Resp: 3374

Ion	Ratio	Lower	Upper
43	100		
72	20.1	24.4	36.6

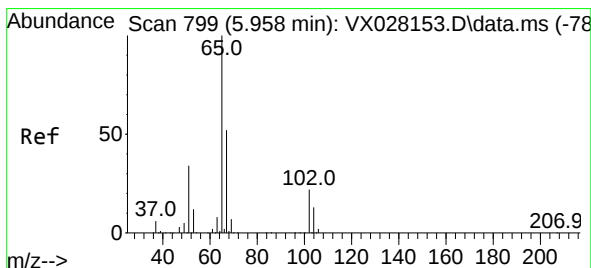
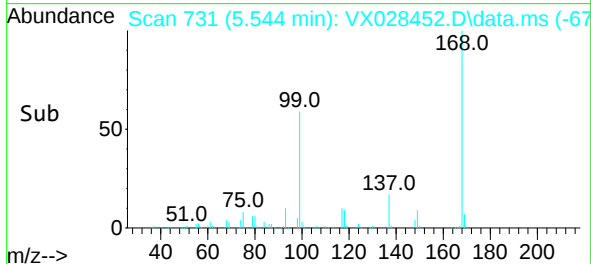
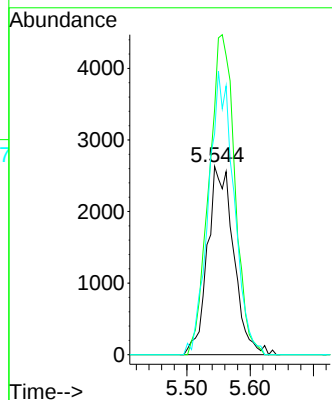
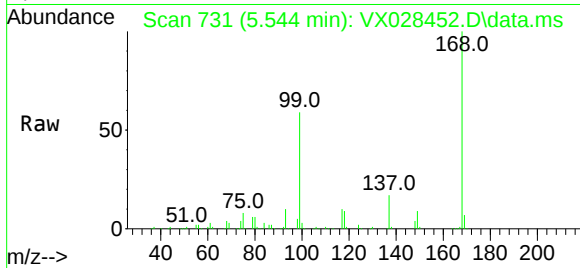




#31
Cyclohexane
Concen: 1.265 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

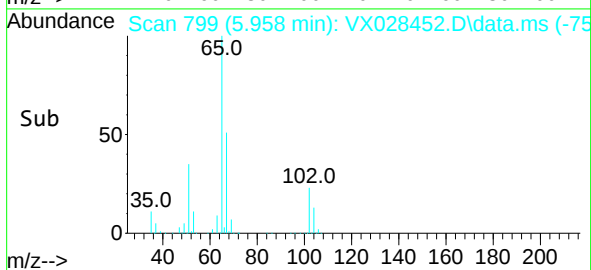
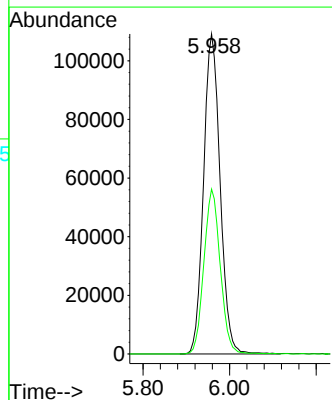
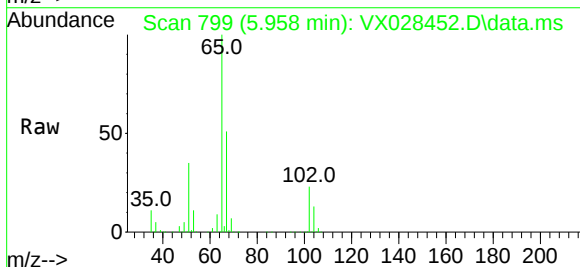
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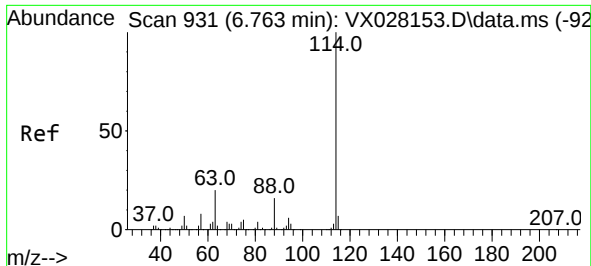
Tgt Ion: 56 Resp: 7544
Ion Ratio Lower Upper
56 100
69 130.1 26.7 40.1#
84 117.4 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 59.120 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 65 Resp: 289327
Ion Ratio Lower Upper
65 100
67 51.0 0.0 107.4

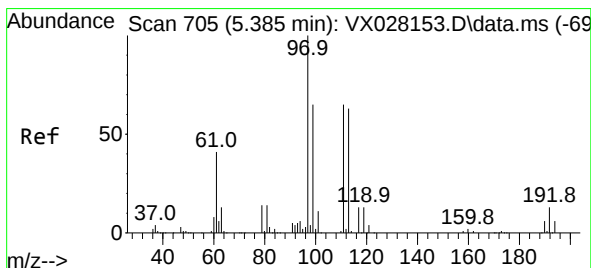
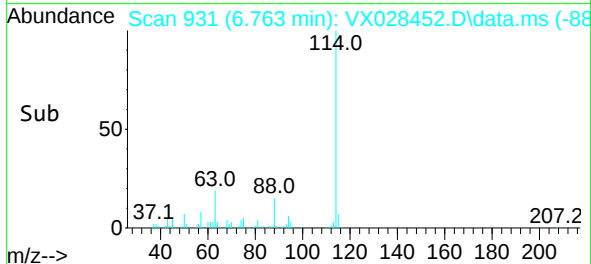
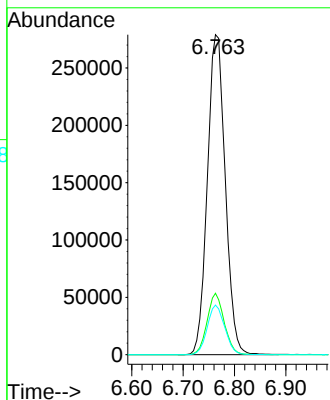
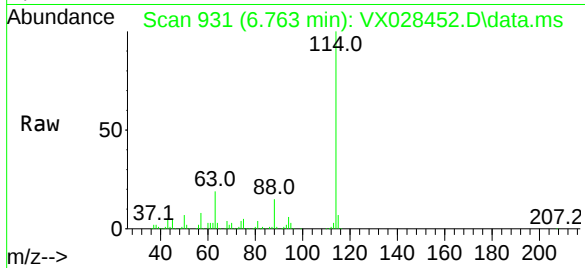




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VX028452.D
 Acq: 30 Apr 2022 03:03

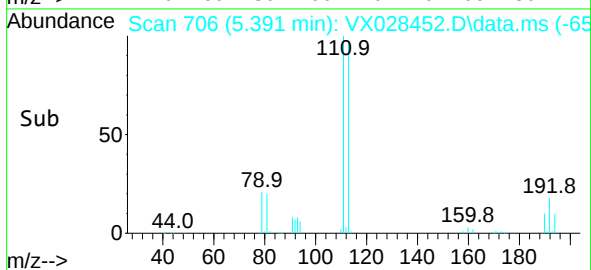
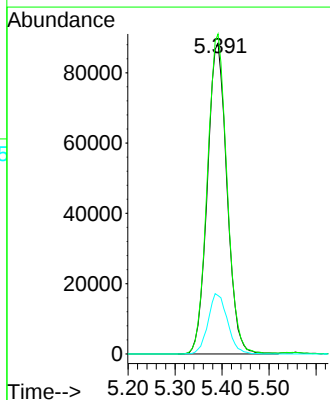
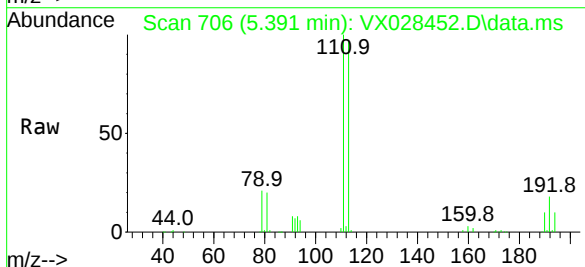
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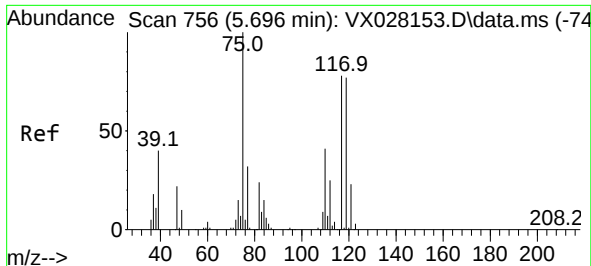
Tgt Ion:114 Resp: 674949
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 36.8
 88 15.5 0.0 32.4



#35
 Dibromofluoromethane
 Concen: 54.114 ug/l
 RT: 5.391 min Scan# 706
 Delta R.T. 0.006 min
 Lab File: VX028452.D
 Acq: 30 Apr 2022 03:03

Tgt Ion:113 Resp: 256141
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.8 124.2
 192 19.2 16.9 25.3

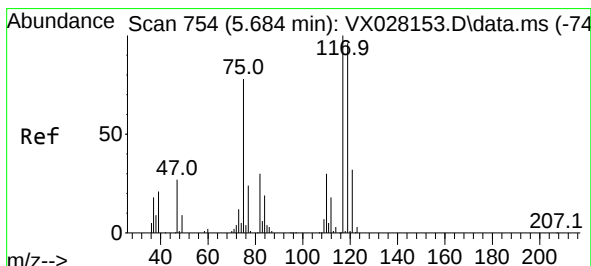
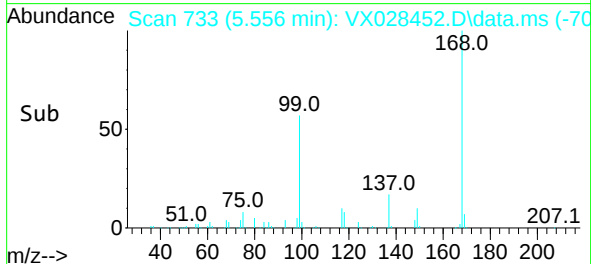
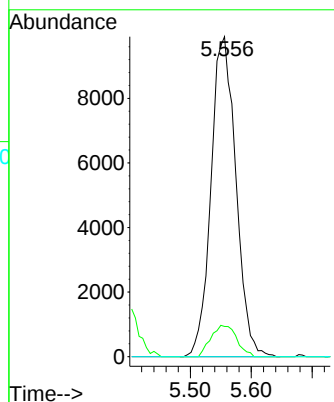
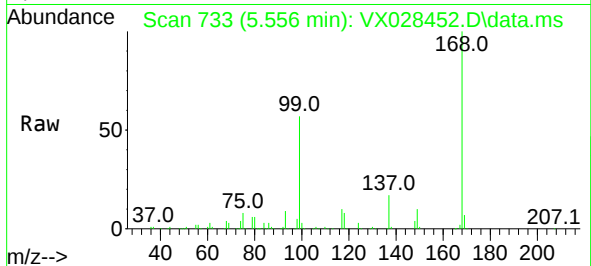




#36
1,1-Dichloropropene
Concen: 4.555 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

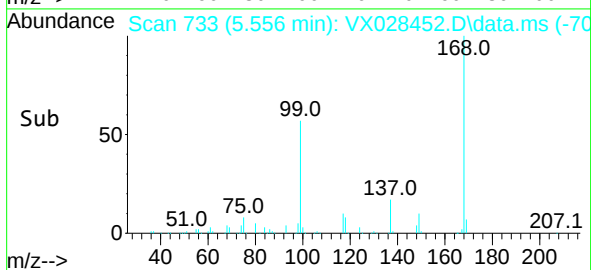
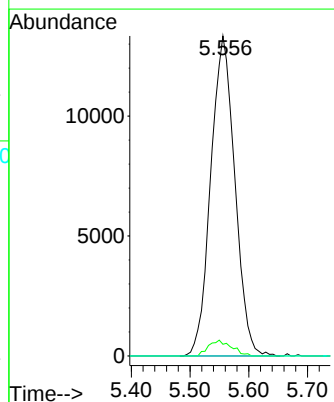
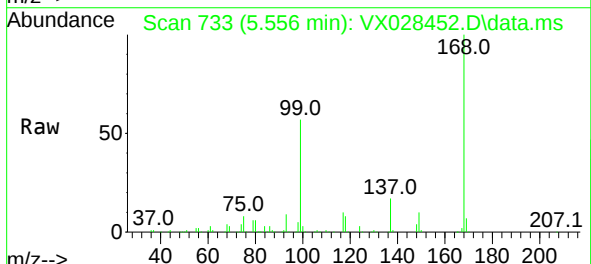
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07

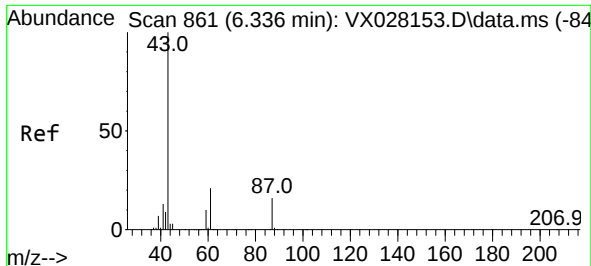
Tgt Ion: 75 Resp: 28124
Ion Ratio Lower Upper
75 100
110 10.1 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.457 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 117 Resp: 38037
Ion Ratio Lower Upper
117 100
119 3.7 77.3 115.9#
121 0.0 24.2 36.2#

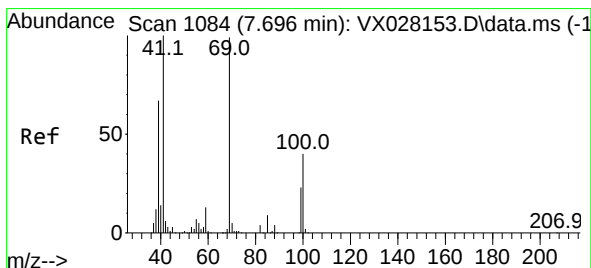
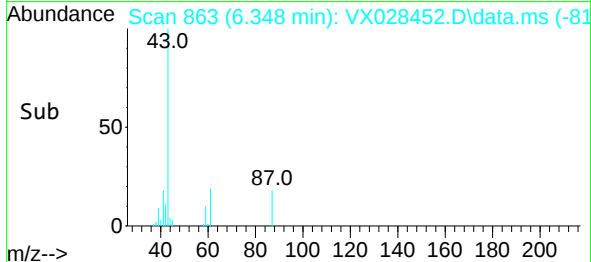
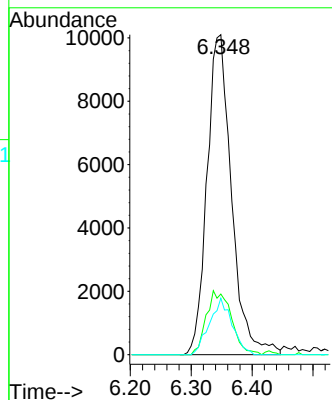
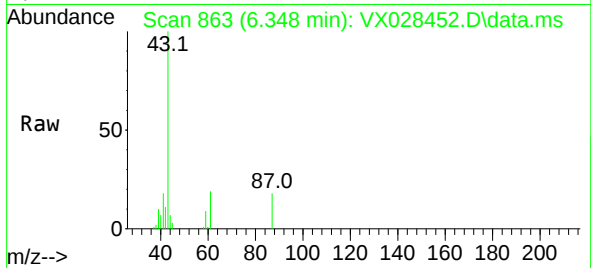




#43
Isopropyl Acetate
Concen: 2.771 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

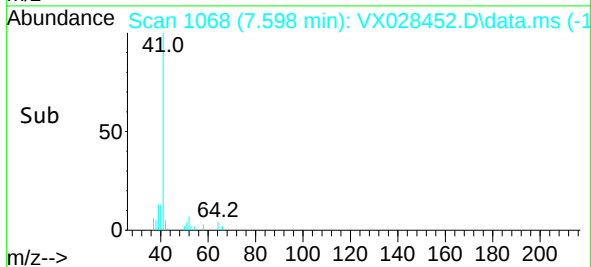
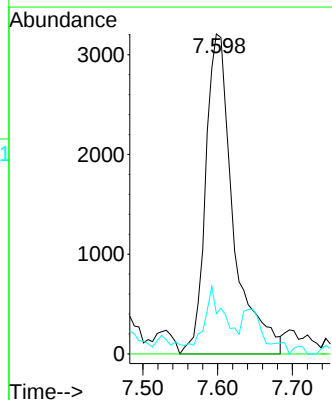
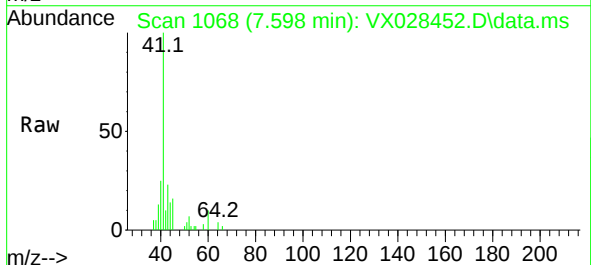
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07

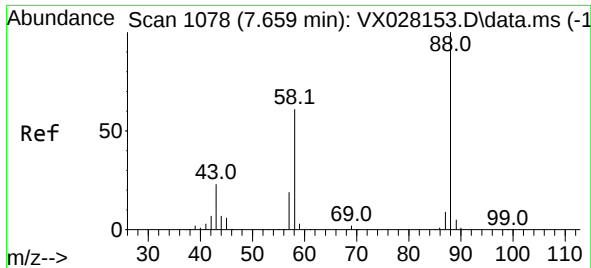
Tgt Ion: 43 Resp: 28253
Ion Ratio Lower Upper
43 100
61 20.4 18.5 27.7
87 16.2 13.0 19.6



#48
Methyl methacrylate
Concen: 1.758 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 41 Resp: 8230
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: 2.420 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028452.D

Acq: 30 Apr 2022 03:03

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#07

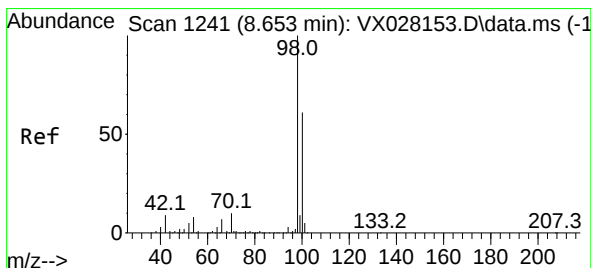
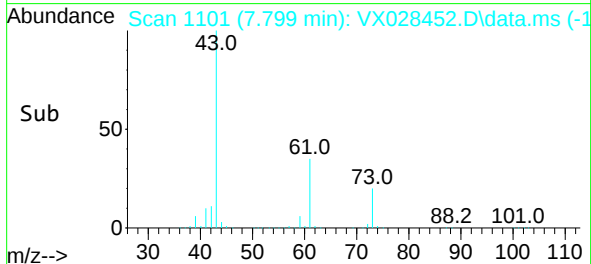
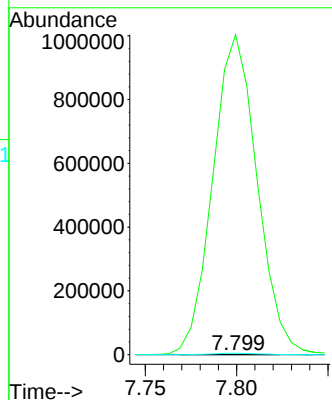
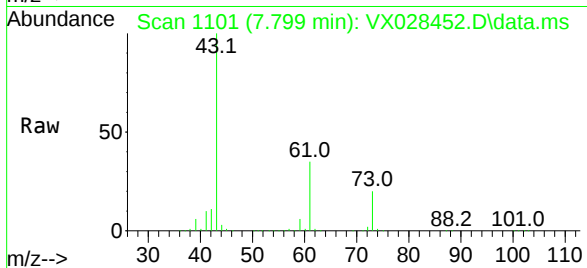
Tgt Ion: 88 Resp: 303

Ion Ratio Lower Upper

88 100

43 561987.5 21.9 32.9#

58 2616.5 53.7 80.5#



#50

Toluene-d8

Concen: 54.330 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028452.D

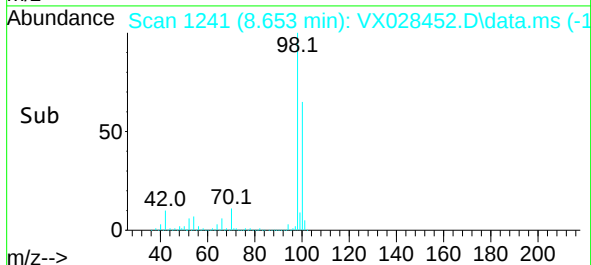
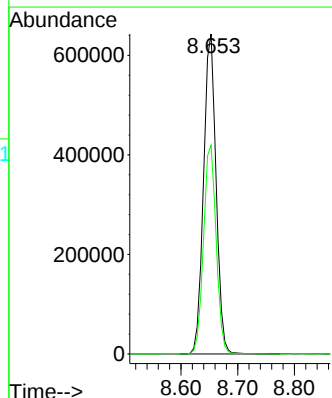
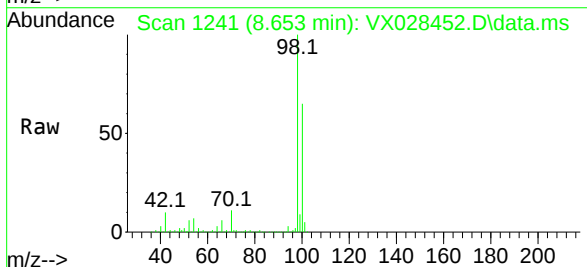
Acq: 30 Apr 2022 03:03

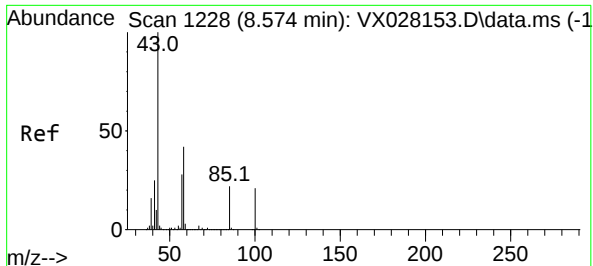
Tgt Ion: 98 Resp: 987721

Ion Ratio Lower Upper

98 100

100 65.9 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.744 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028452.D

Acq: 30 Apr 2022 03:03

Instrument :

MSVOA_X

ClientSampleId :

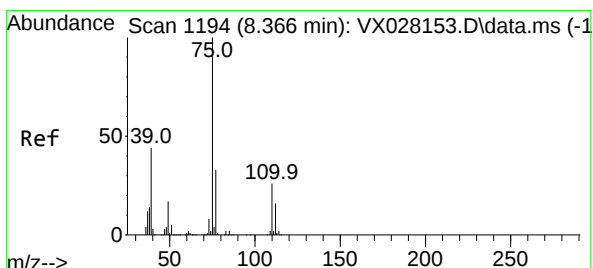
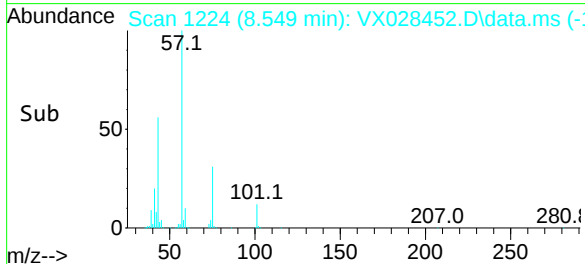
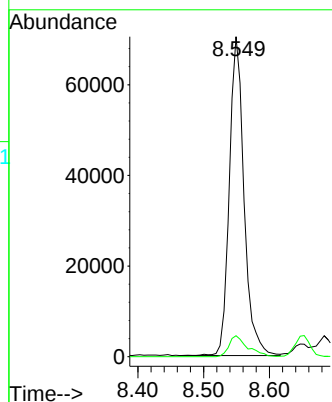
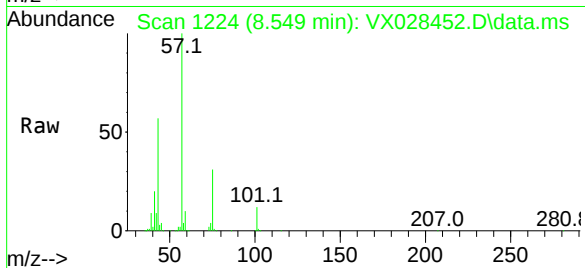
PB144452ZHE#07

Tgt Ion: 43 Resp: 109555

Ion Ratio Lower Upper

43 100

58 8.3 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.553 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028452.D

Acq: 30 Apr 2022 03:03

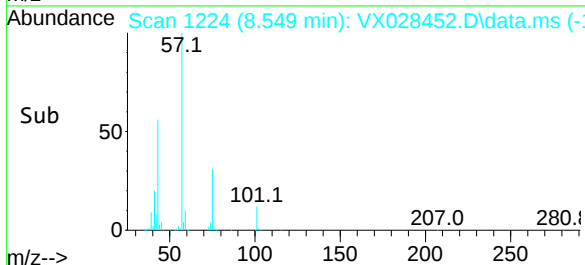
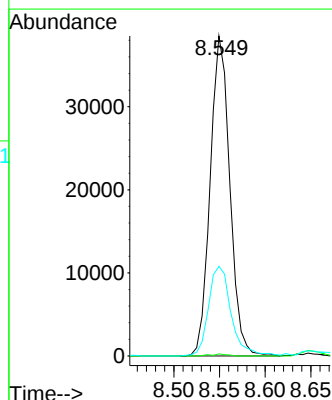
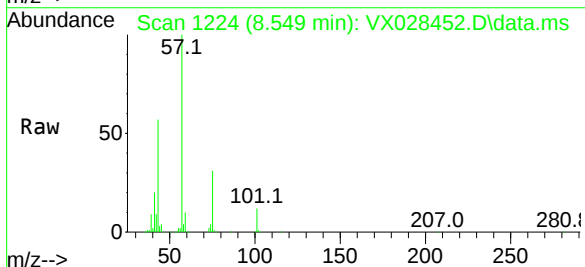
Tgt Ion: 75 Resp: 57495

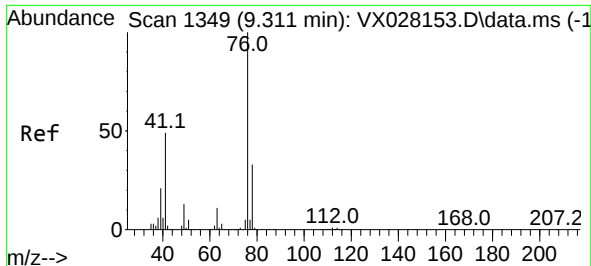
Ion Ratio Lower Upper

75 100

77 0.6 24.8 37.2#

39 28.0 29.6 44.4#

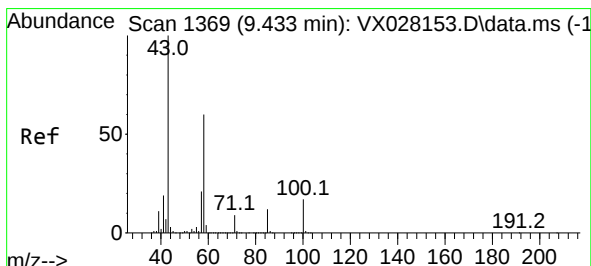
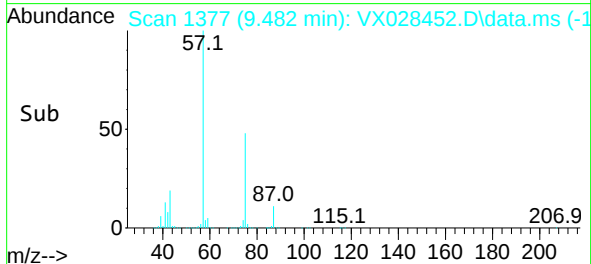
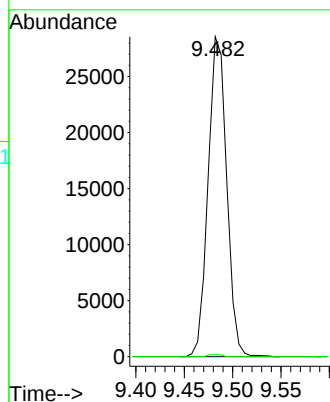
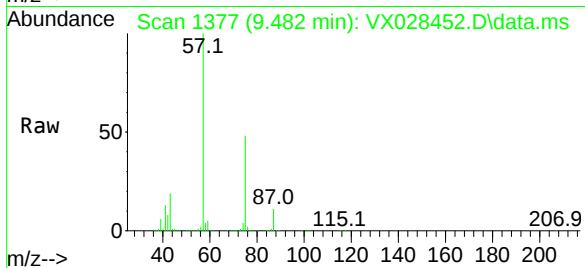




#57
1,3-Dichloropropane
Concen: 4.644 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

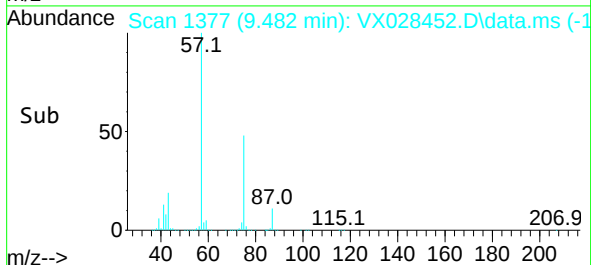
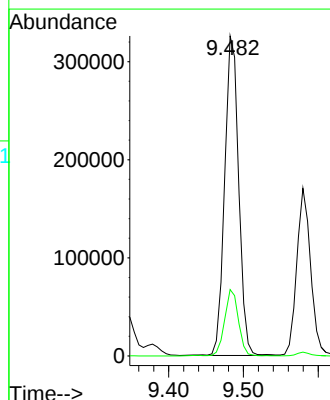
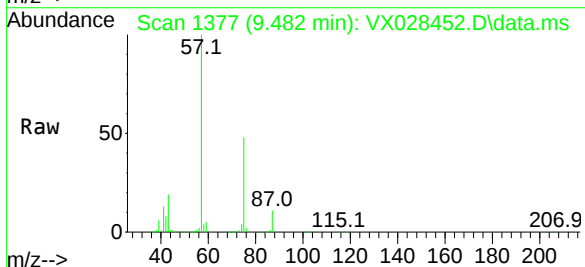
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07

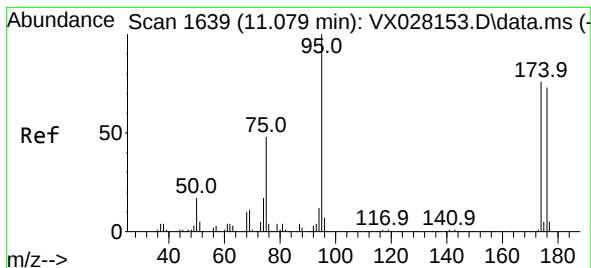
Tgt Ion: 76 Resp: 38243
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#



#59
2-Hexanone
Concen: 84.096 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 43 Resp: 426225
Ion Ratio Lower Upper
43 100
58 20.3 31.9 95.7#

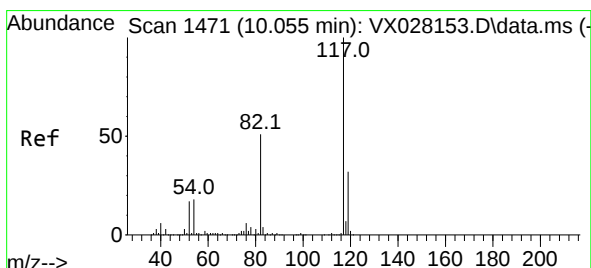
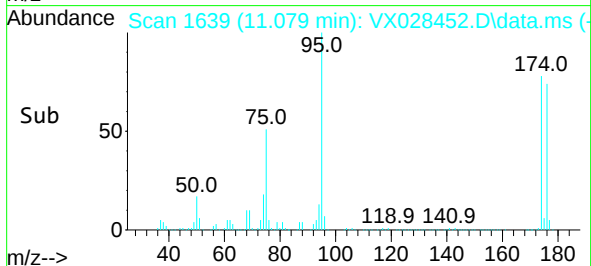
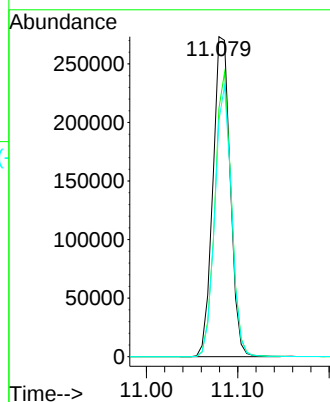
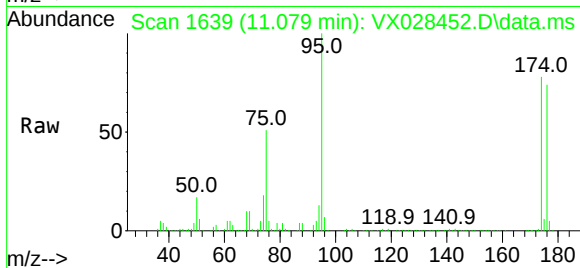




#62
4-Bromofluorobenzene
Concen: 51.748 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

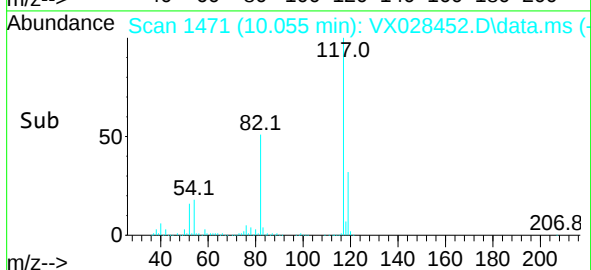
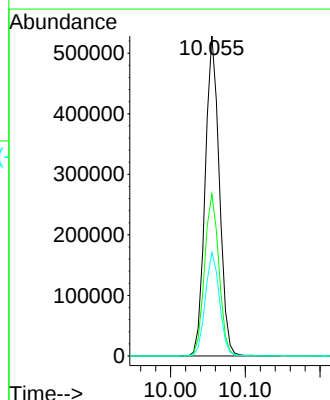
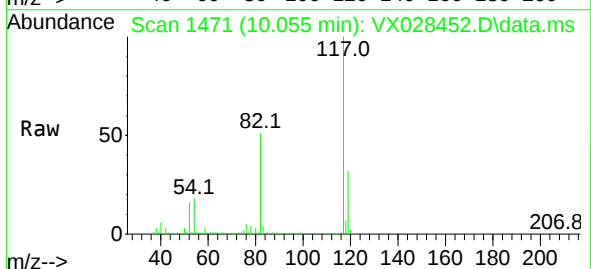
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07

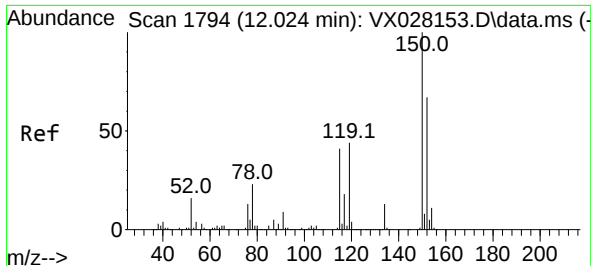
Tgt Ion: 95 Resp: 359710
Ion Ratio Lower Upper
95 100
174 84.6 0.0 163.0
176 81.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 117 Resp: 694016
Ion Ratio Lower Upper
117 100
82 50.6 41.8 62.8
119 32.4 24.8 37.2

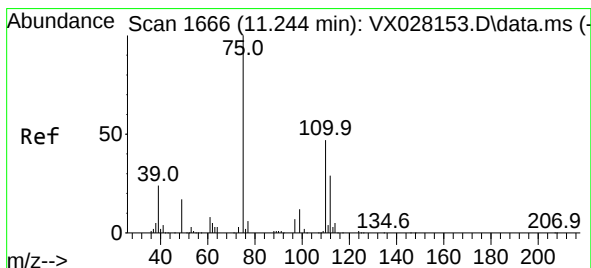
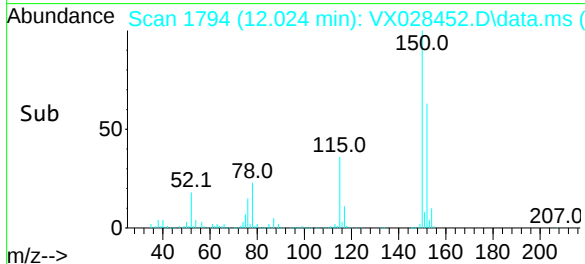
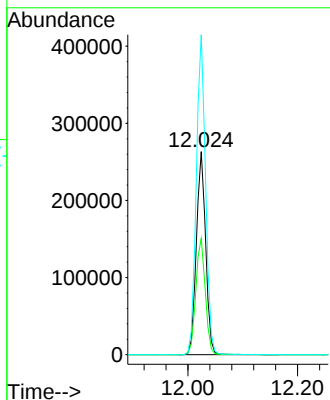
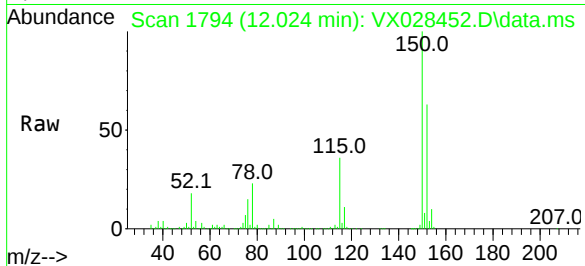




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028452.D
 Acq: 30 Apr 2022 03:03

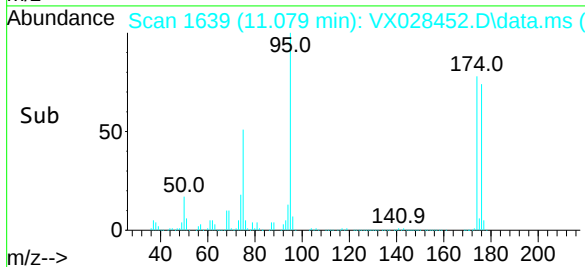
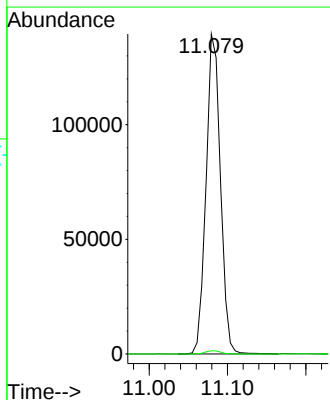
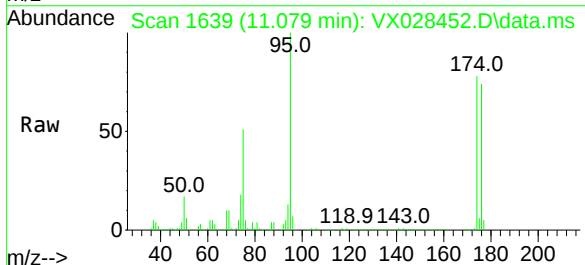
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#07

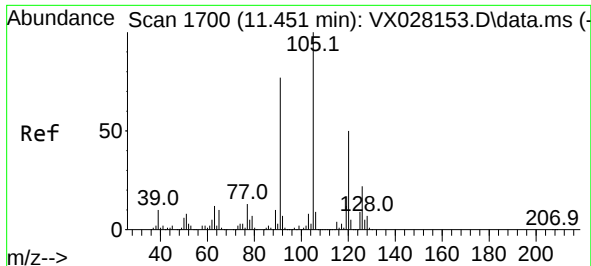
Tgt Ion:152 Resp: 311862
 Ion Ratio Lower Upper
 152 100
 115 58.4 37.5 112.7
 150 157.3 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.940 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028452.D
 Acq: 30 Apr 2022 03:03

Tgt Ion: 75 Resp: 177625
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

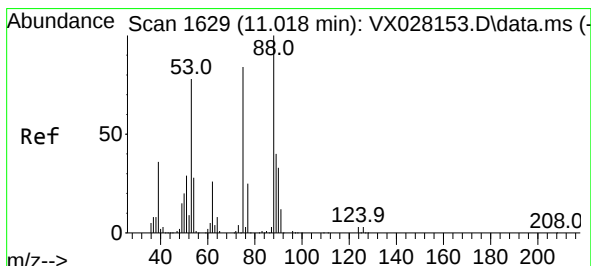
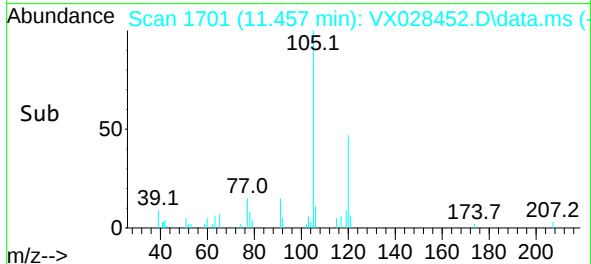
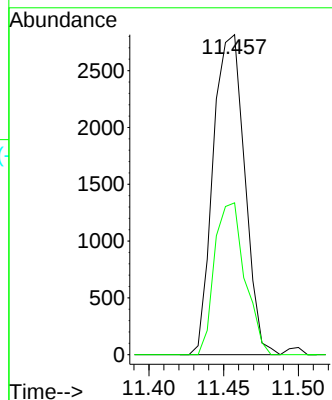
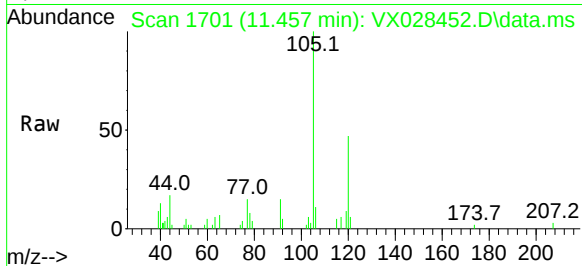




#80
1,3,5-Trimethylbenzene
Concen: 0.227 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#07

Tgt Ion:105 Resp: 4129
Ion Ratio Lower Upper
105 100
120 45.6 24.3 72.9



#81
trans-1,4-Dichloro-2-butene
Concen: 86.003 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028452.D
Acq: 30 Apr 2022 03:03

Tgt Ion: 75 Resp: 177625
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

