

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028224.D
 Acq On : 21 Apr 2022 02:38
 Operator : JC/MD
 Sample : PB144231ZHE#06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#06

Quant Time: Apr 21 06:21:46 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

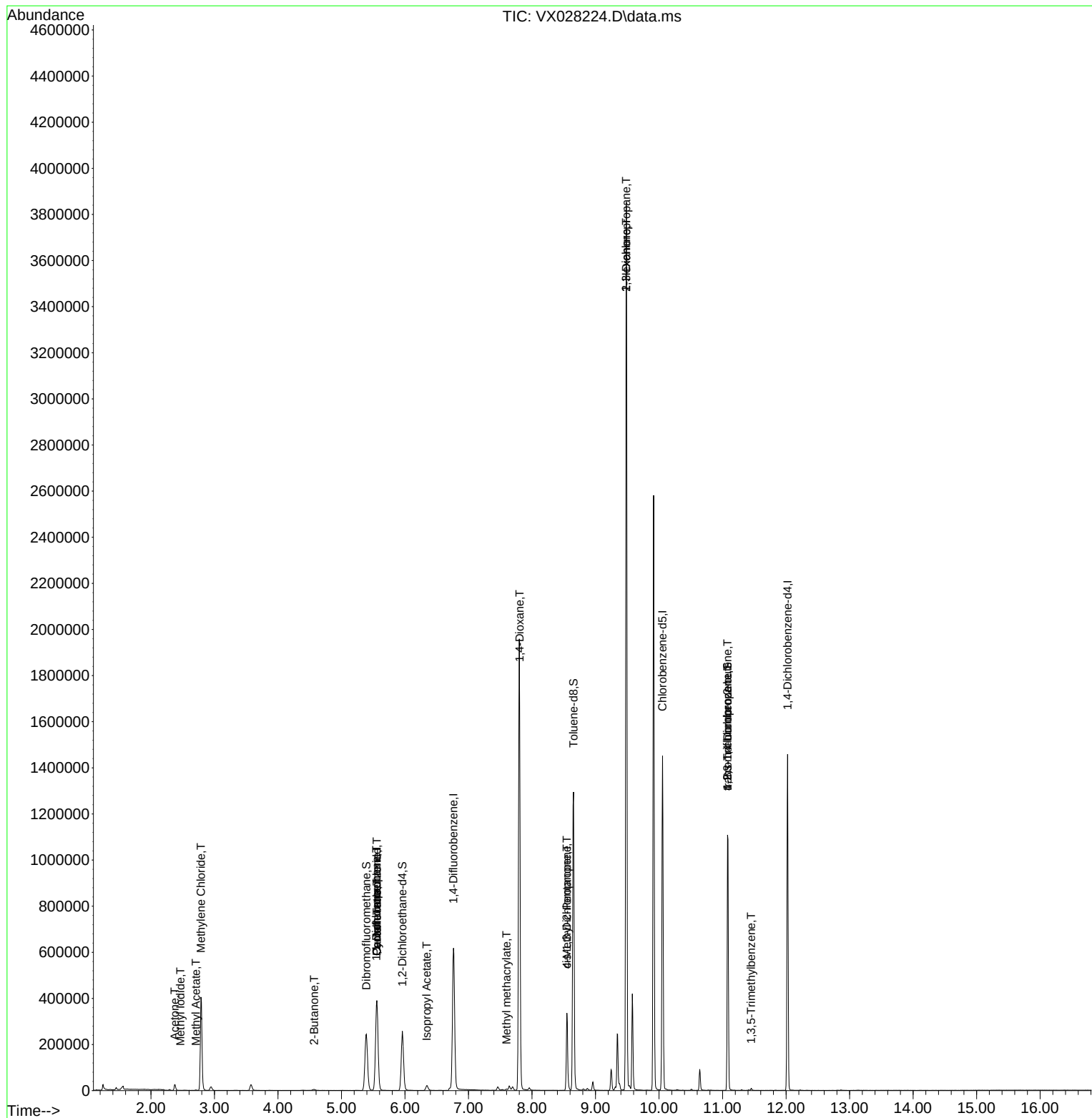
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	378124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	662696	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	672494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	305819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	233901	47.442	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.880%
35) Dibromofluoromethane	5.391	113	213244	45.884	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	91.760%
50) Toluene-d8	8.653	98	803335	45.005	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	90.020%
62) 4-Bromofluorobenzene	11.079	95	298129	43.682	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.360%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	367	Below Cal	#	42
5) Bromomethane	1.618	94	885	Below Cal		91
6) Chloroethane	1.678	64	493	Below Cal	#	43
8) Diethyl Ether	1.971	74	27	Below Cal	#	1
10) Methyl Iodide	2.465	142	497	5.341	ug/l #	87
11) Tert butyl alcohol	2.947	59	9338	Below Cal	#	77
16) Acetone	2.373	43	27172	16.742	ug/l	94
18) Methyl Acetate	2.709	43	2207	0.503	ug/l	95
20) Methylene Chloride	2.788	84	192953	52.746	ug/l	99
25) 2-Butanone	4.568	43	4003	1.371	ug/l	90
31) Cyclohexane	5.556	56	7418	1.235	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	26985	4.451	ug/l #	50
38) Carbon Tetrachloride	5.556	117	37453	5.473	ug/l #	15
43) Isopropyl Acetate	6.342	43	29342	2.931	ug/l	97
48) Methyl methacrylate	7.598	41	6946	1.511	ug/l #	7
49) 1,4-Dioxane	7.805	88	463	3.766	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	107621	16.752	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	57151	7.647	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	38017	4.702	ug/l #	43
59) 2-Hexanone	9.482	43	415277	83.451	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	146714	24.376	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	3900	0.219	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	146714	72.440	ug/l #	15

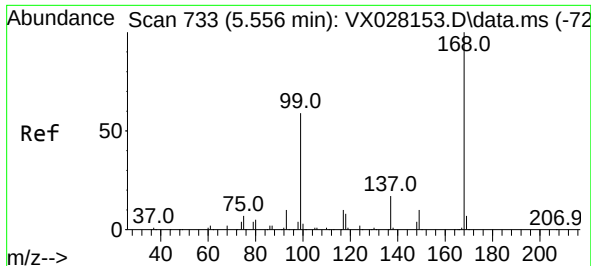
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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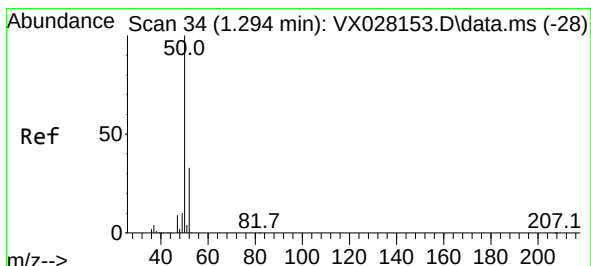
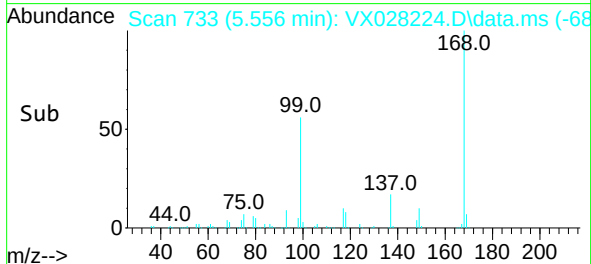
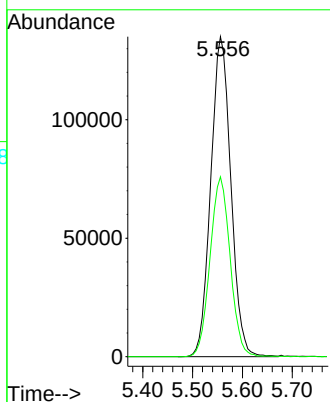
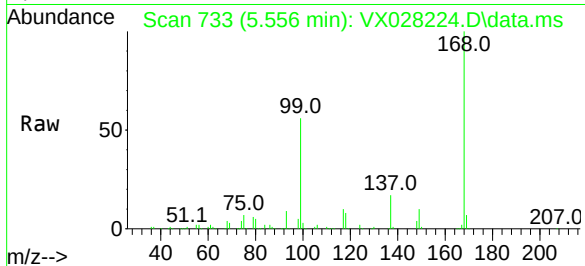




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

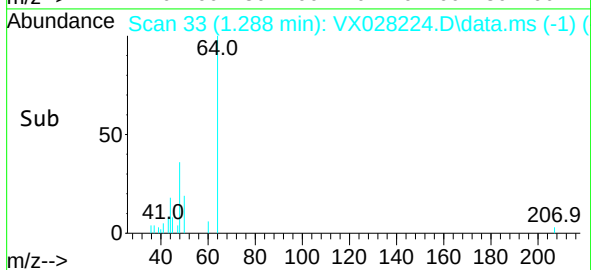
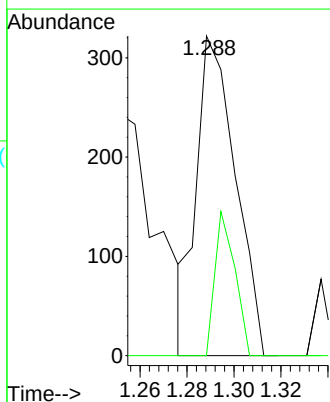
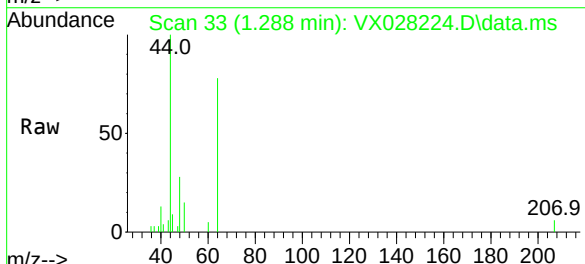
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#06

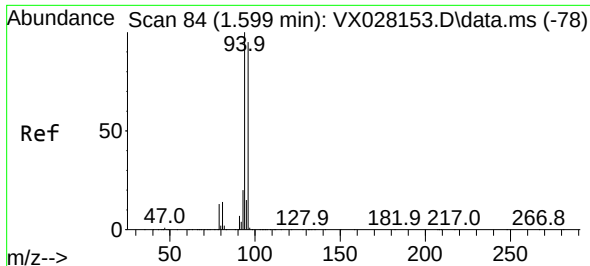
Tgt Ion:168 Resp: 378124
Ion Ratio Lower Upper
168 100
99 56.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

Tgt Ion: 50 Resp: 367
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

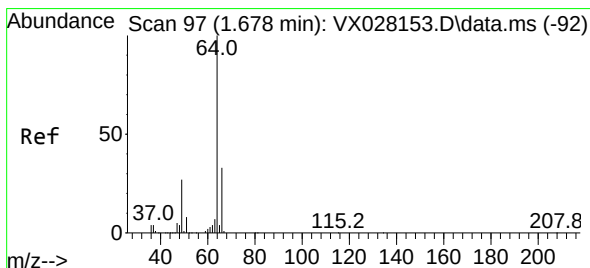
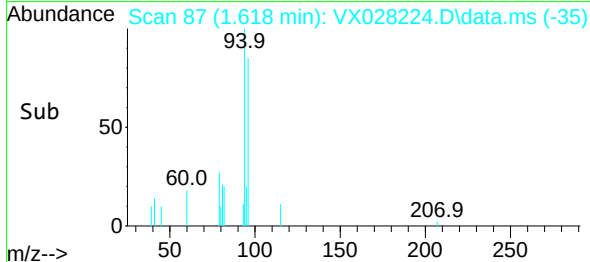
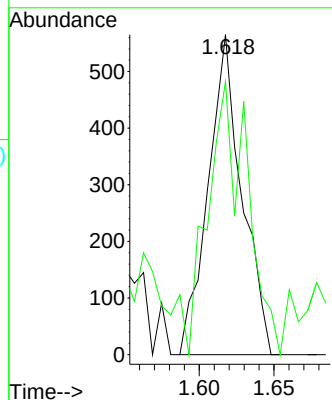
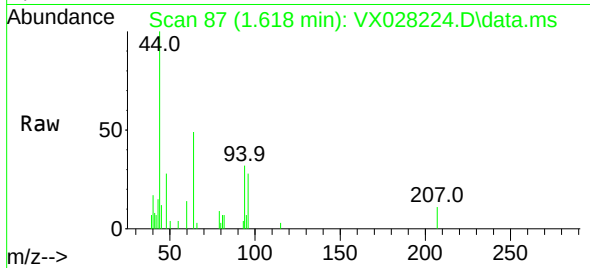




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

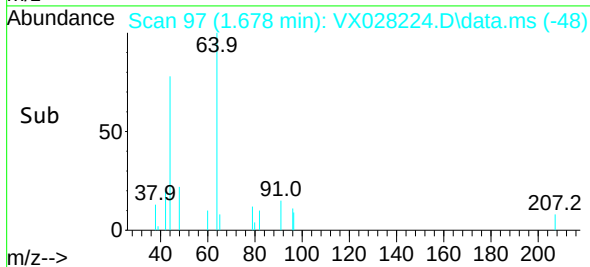
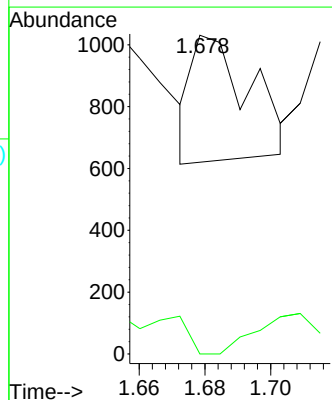
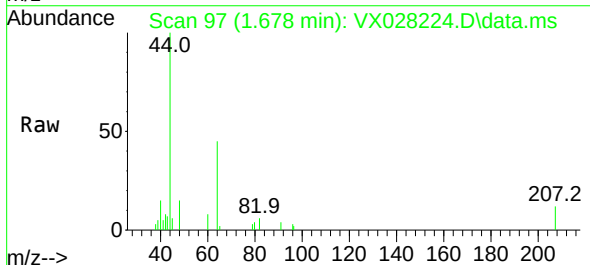
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#06

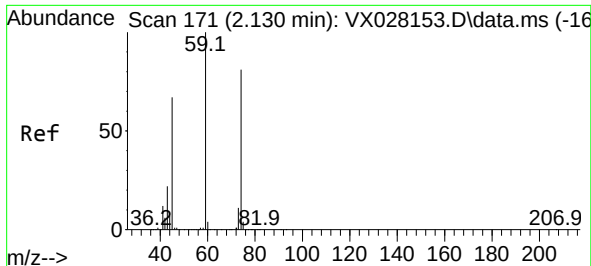
Tgt Ion: 94 Resp: 885
Ion Ratio Lower Upper
94 100
96 85.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.678 min Scan# 97
Delta R.T. 0.000 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

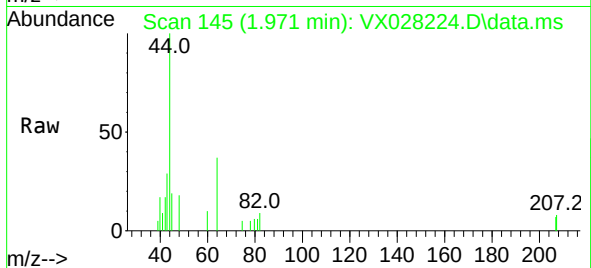
Tgt Ion: 64 Resp: 493
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



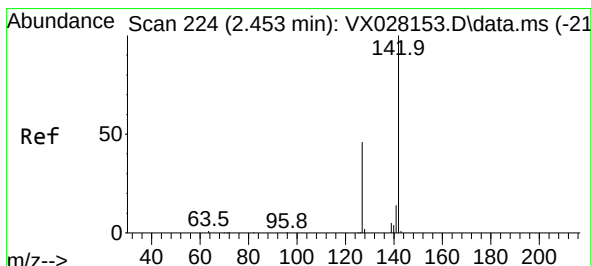
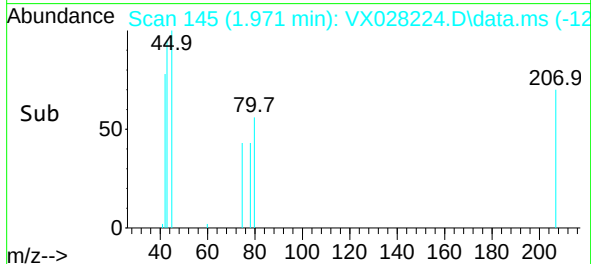
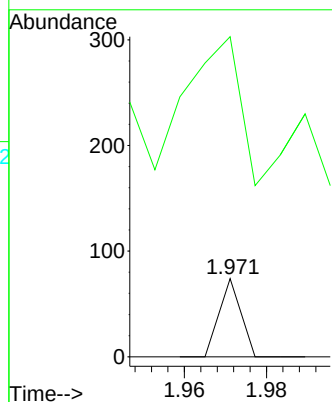


#8
Diethyl Ether
Concen: Below Cal
RT: 1.971 min Scan# 14
Delta R.T. -0.159 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#06

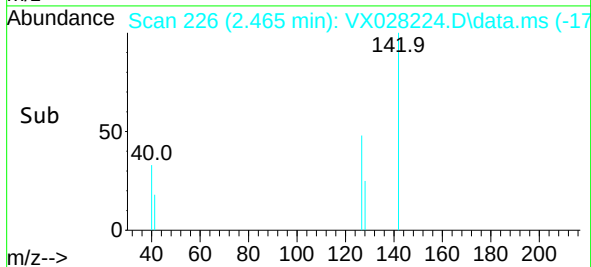
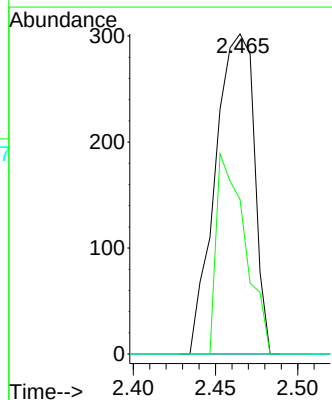
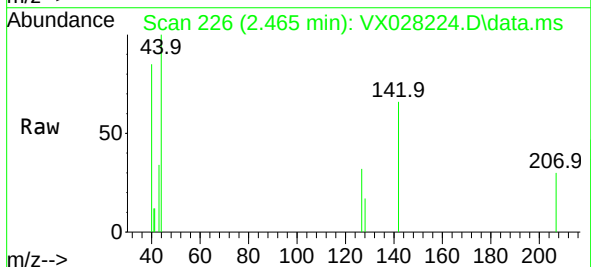


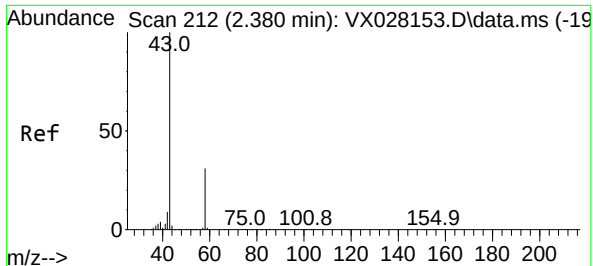
Tgt Ion: 74 Resp: 27
Ion Ratio Lower Upper
74 100
45 400.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.341 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

Tgt Ion: 142 Resp: 497
Ion Ratio Lower Upper
142 100
127 45.9 33.9 50.9
141 0.0 11.4 17.2#

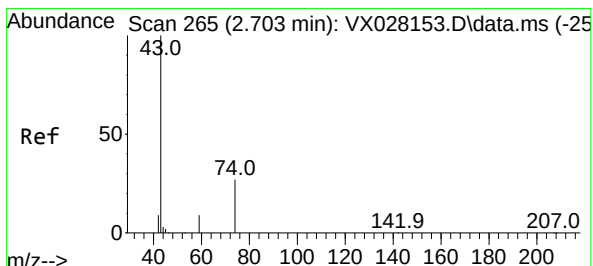
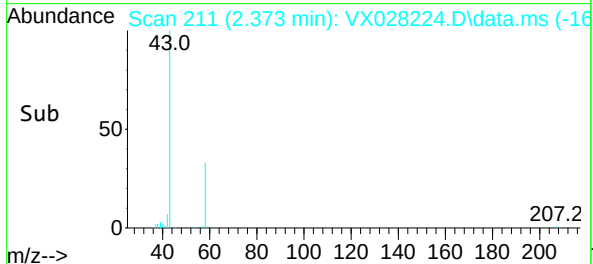
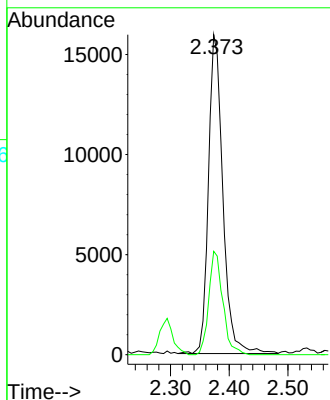
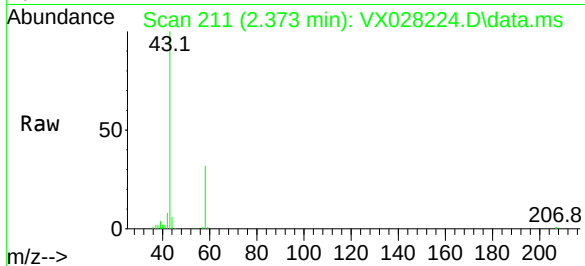




#16
Acetone
Concen: 16.742 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

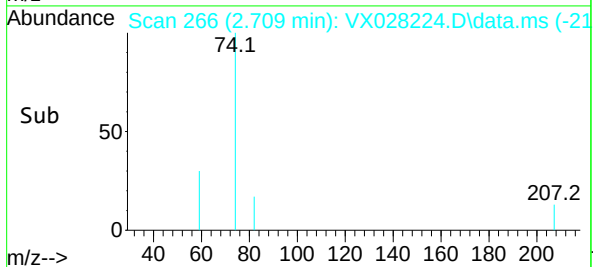
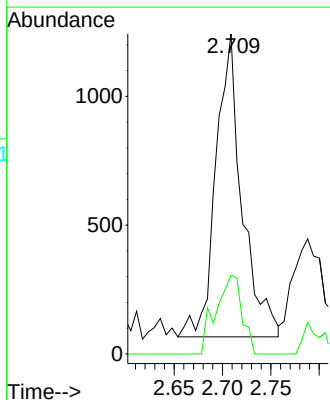
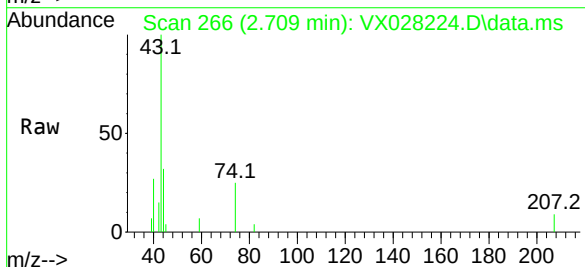
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#06

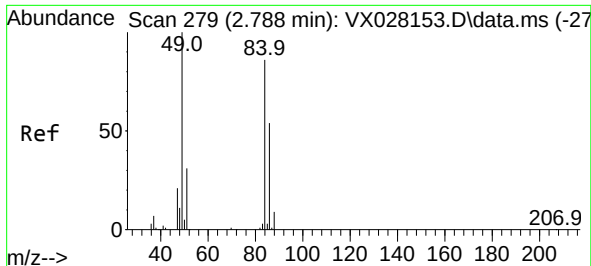
Tgt Ion: 43 Resp: 27172
Ion Ratio Lower Upper
43 100
58 32.4 28.8 43.2



#18
Methyl Acetate
Concen: 0.503 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

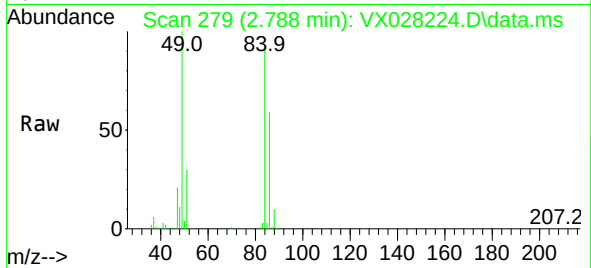
Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
74 26.0 22.8 34.2





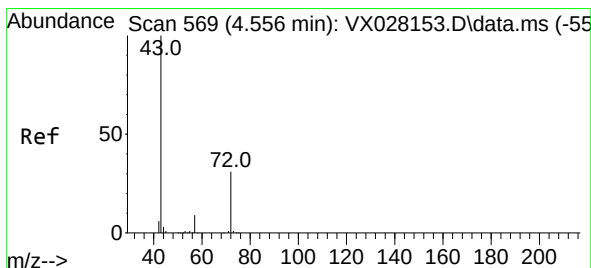
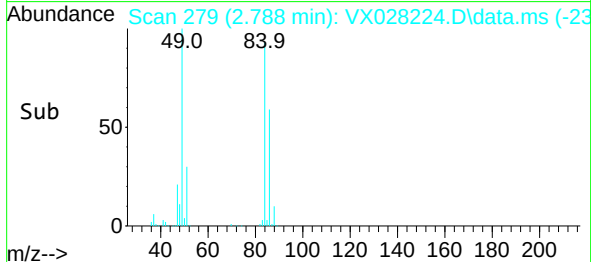
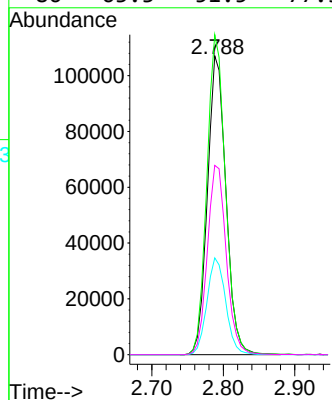
#20
Methylene Chloride
Concen: 52.746 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#06



Tgt Ion: 84 Resp: 192953

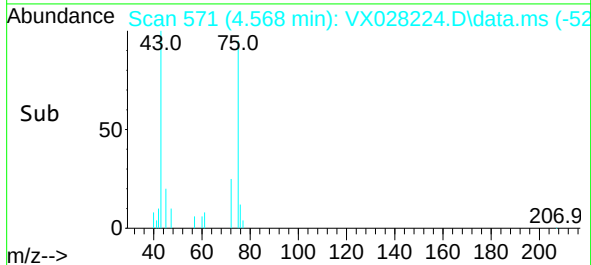
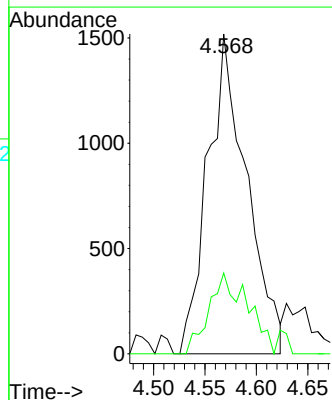
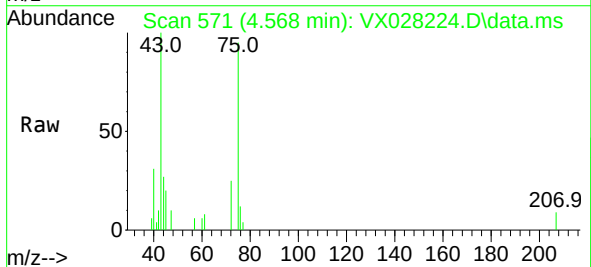
Ion	Ratio	Lower	Upper
84	100		
49	107.1	85.5	128.3
51	32.4	26.6	39.8
86	63.3	51.5	77.3

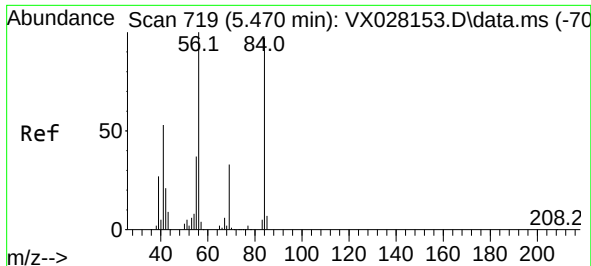


#25
2-Butanone
Concen: 1.371 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

Tgt Ion: 43 Resp: 4003

Ion	Ratio	Lower	Upper
43	100		
72	25.3	24.4	36.6

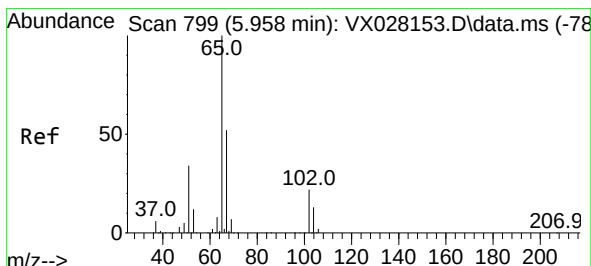
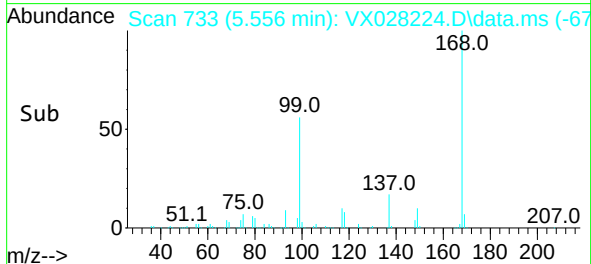
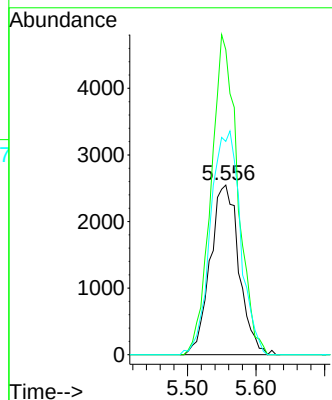
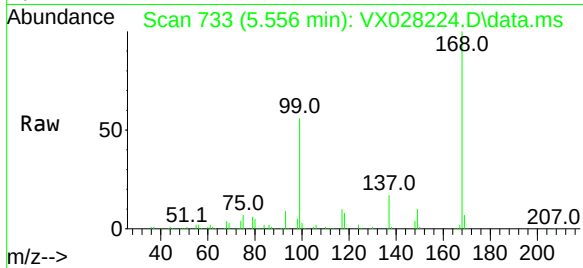




#31
Cyclohexane
Concen: 1.235 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

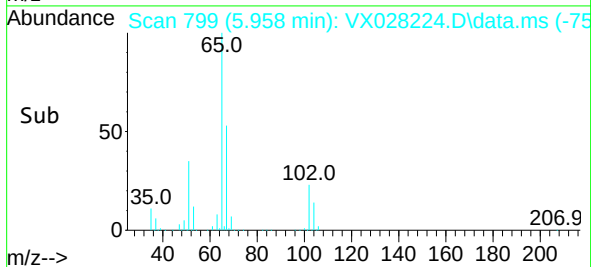
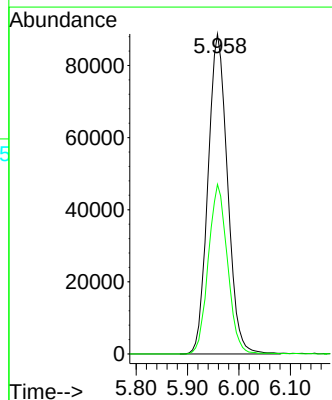
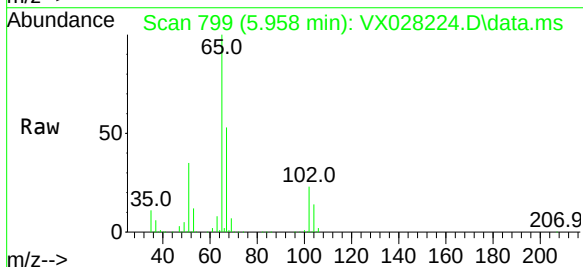
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MSVOA_X
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PB144231ZHE#06

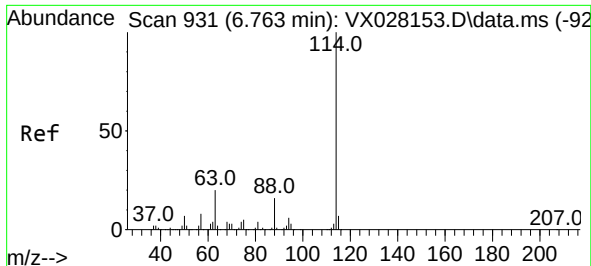
Tgt Ion: 56 Resp: 7418
Ion Ratio Lower Upper
56 100
69 179.8 26.7 40.1#
84 125.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.442 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

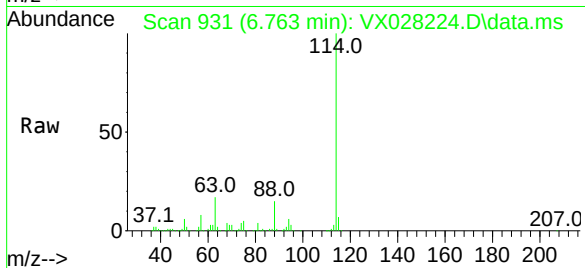
Tgt Ion: 65 Resp: 233901
Ion Ratio Lower Upper
65 100
67 52.0 0.0 107.4



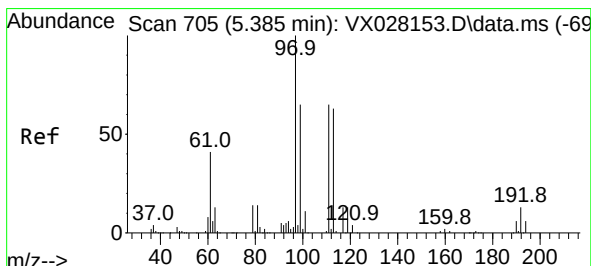
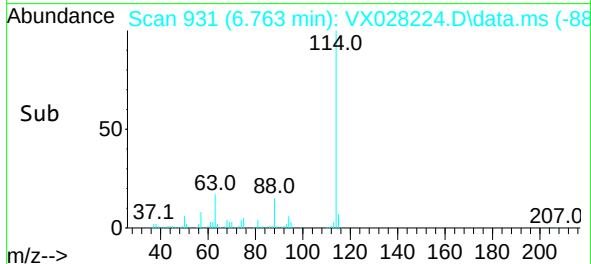
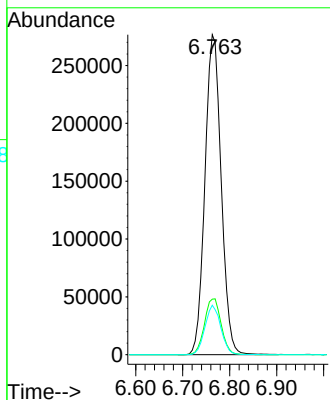


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#06

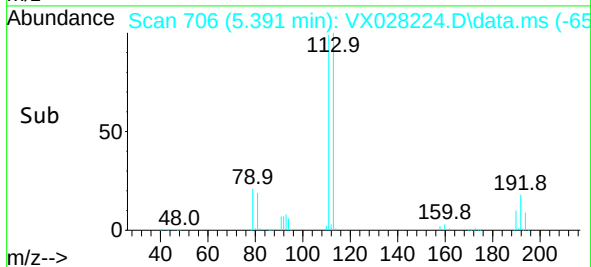
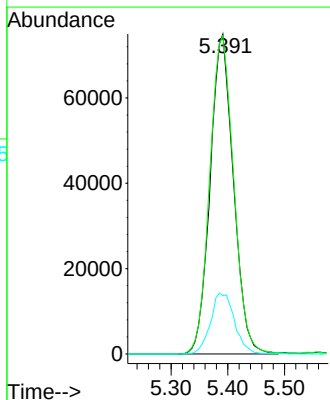
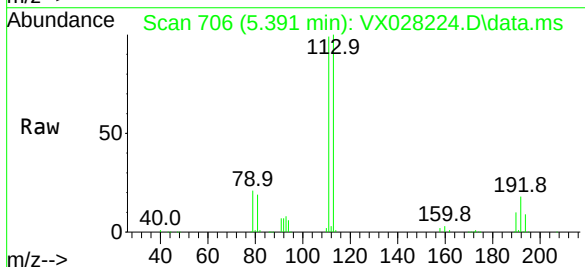


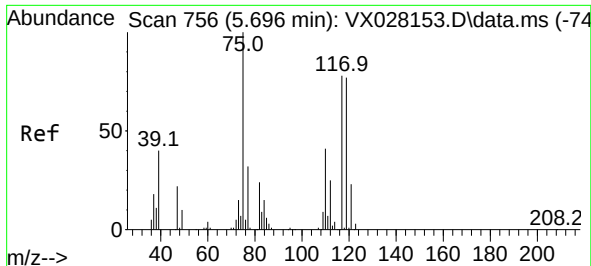
Tgt Ion:114 Resp: 662696
Ion Ratio Lower Upper
114 100
63 17.4 0.0 36.8
88 15.5 0.0 32.4



#35
Dibromofluoromethane
Concen: 45.884 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

Tgt Ion:113 Resp: 213244
Ion Ratio Lower Upper
113 100
111 102.8 82.8 124.2
192 19.7 16.9 25.3

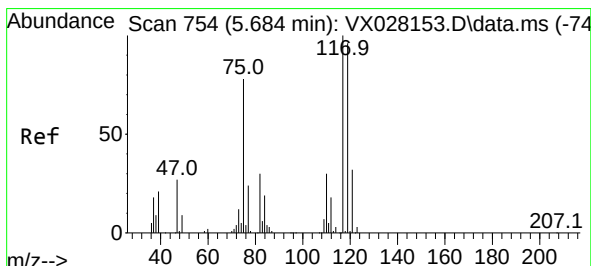
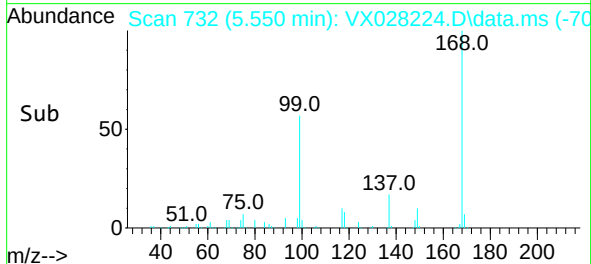
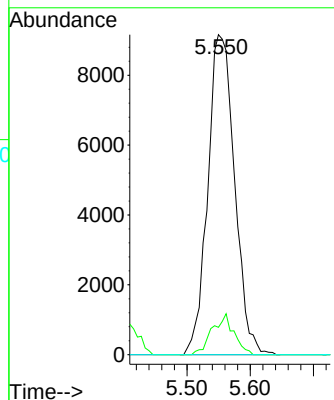
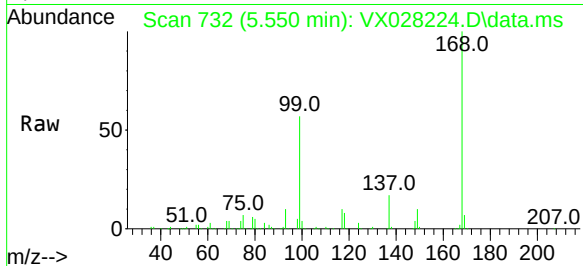




#36
1,1-Dichloropropene
Concen: 4.451 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

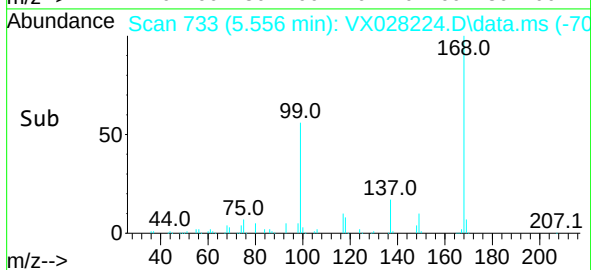
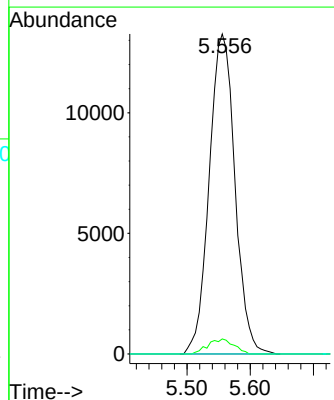
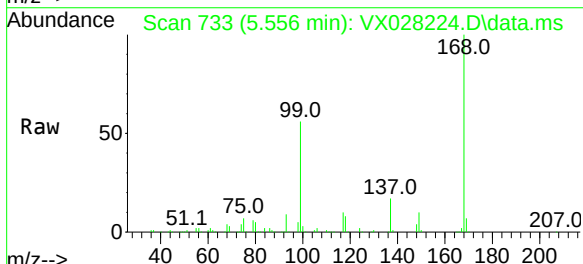
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#06

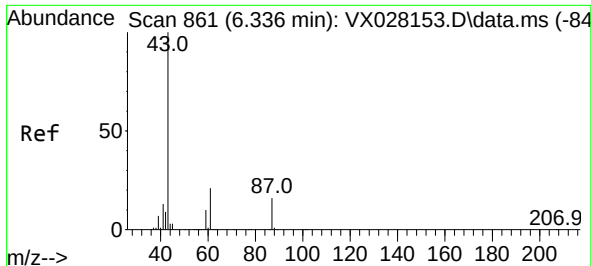
Tgt Ion: 75 Resp: 26985
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.473 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

Tgt Ion: 117 Resp: 37453
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#

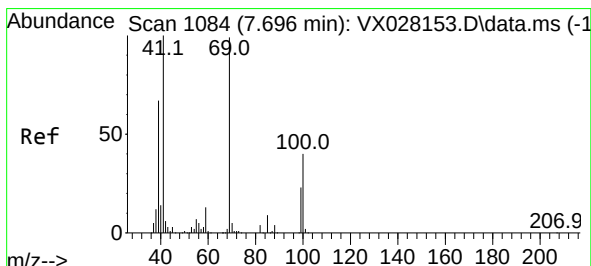
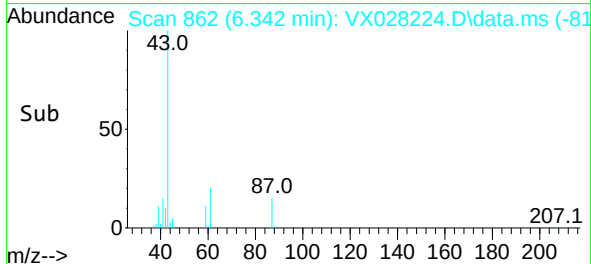
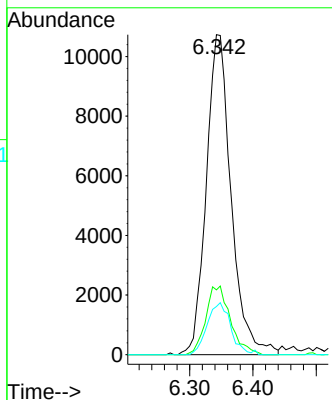
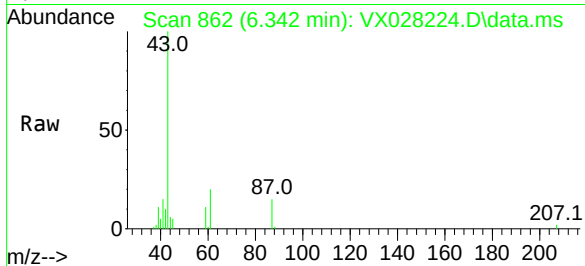




#43
Isopropyl Acetate
Concen: 2.931 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

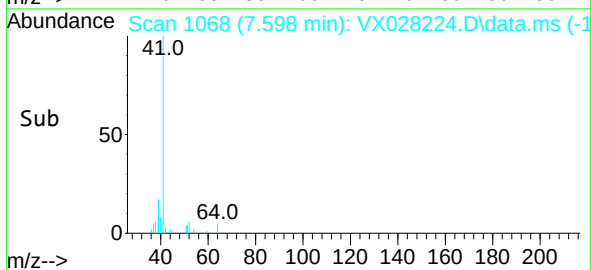
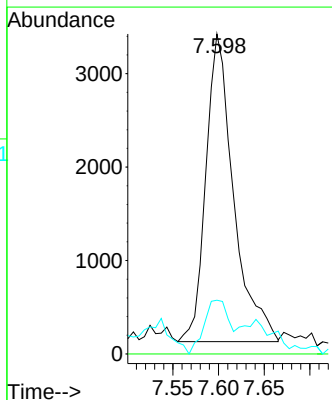
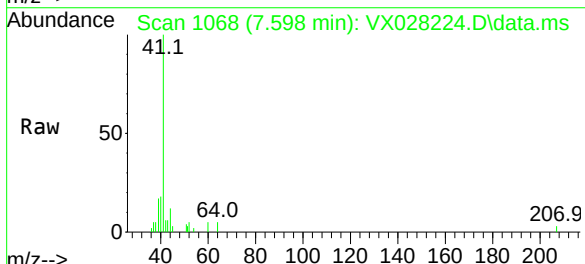
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#06

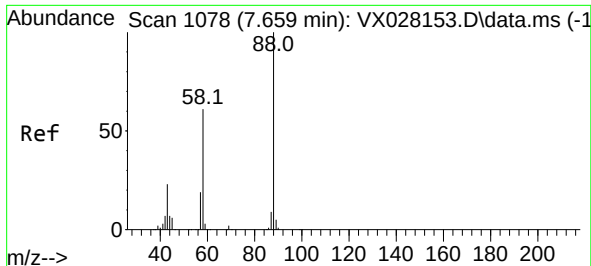
Tgt Ion: 43 Resp: 29342
Ion Ratio Lower Upper
43 100
61 21.2 18.5 27.7
87 15.5 13.0 19.6



#48
Methyl methacrylate
Concen: 1.511 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028224.D
Acq: 21 Apr 2022 02:38

Tgt Ion: 41 Resp: 6946
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: 3.766 ug/l

RT: 7.805 min Scan# 1102

Delta R.T. 0.146 min

Lab File: VX028224.D

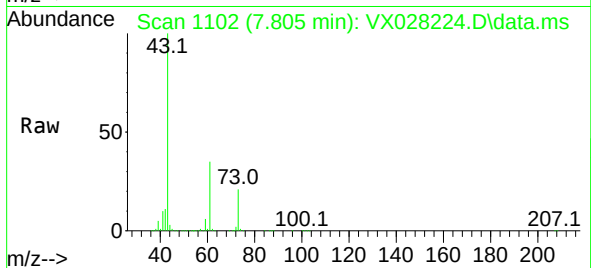
Acq: 21 Apr 2022 02:38

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#06



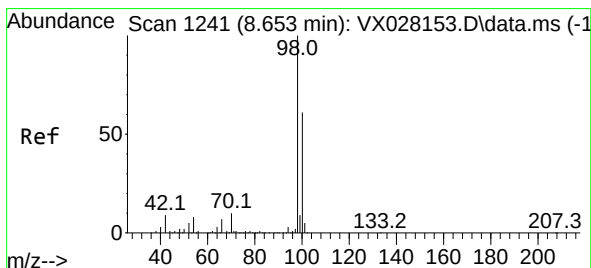
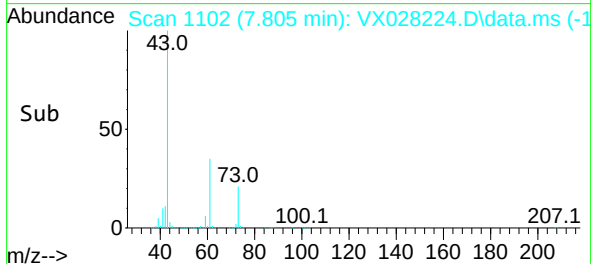
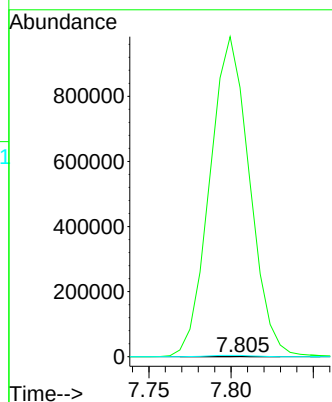
Tgt Ion: 88 Resp: 463

Ion Ratio Lower Upper

88 100

43 359766.7 21.9 32.9#

58 1669.8 53.7 80.5#



#50

Toluene-d8

Concen: 45.005 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028224.D

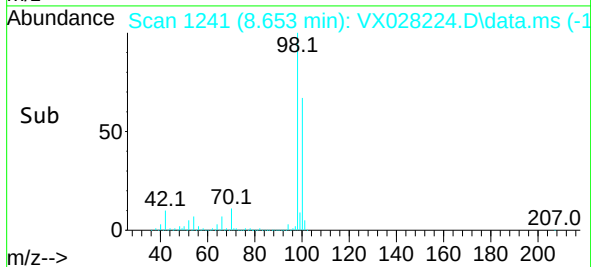
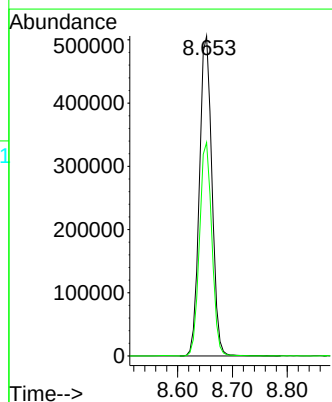
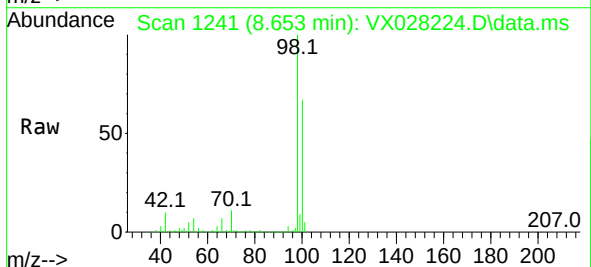
Acq: 21 Apr 2022 02:38

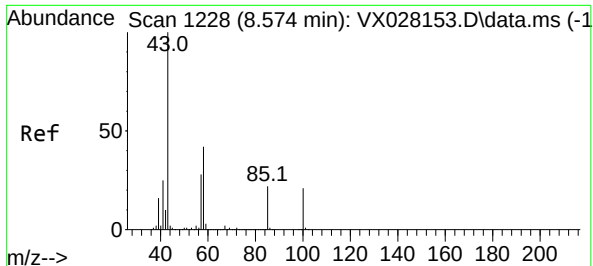
Tgt Ion: 98 Resp: 803335

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.752 ug/l

RT: 8.549 min Scan# 1194

Delta R.T. -0.025 min

Lab File: VX028224.D

Acq: 21 Apr 2022 02:38

Instrument :

MSVOA_X

ClientSampleId :

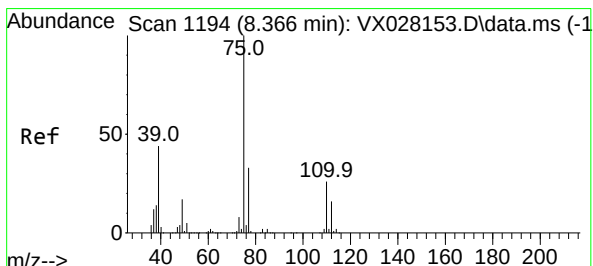
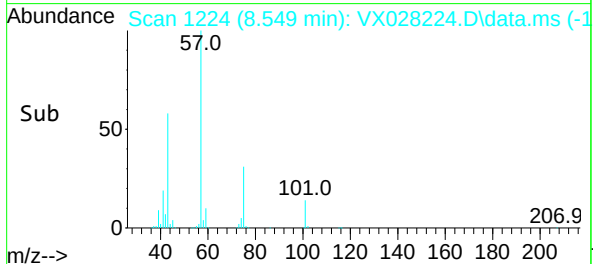
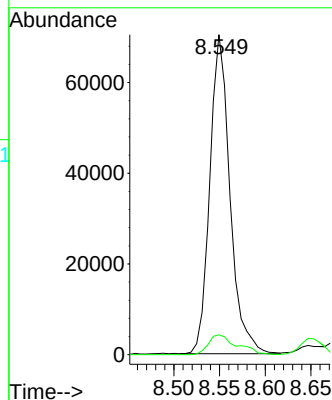
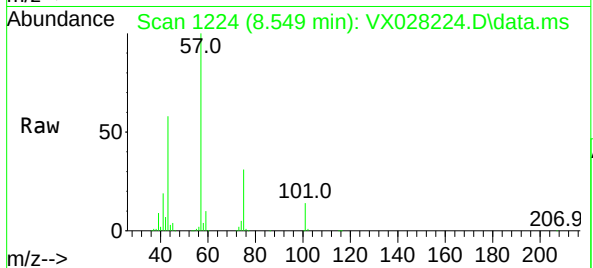
PB144231ZHE#06

Tgt Ion: 43 Resp: 107621

Ion Ratio Lower Upper

43 100

58 8.9 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.647 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028224.D

Acq: 21 Apr 2022 02:38

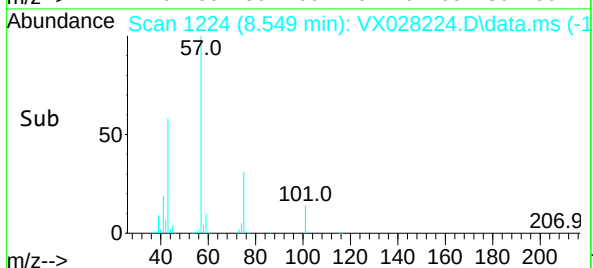
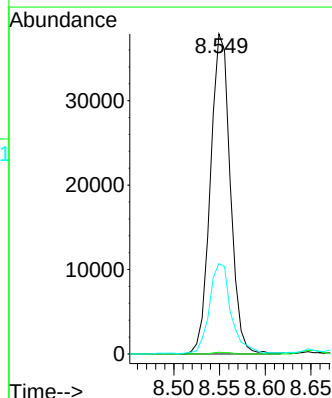
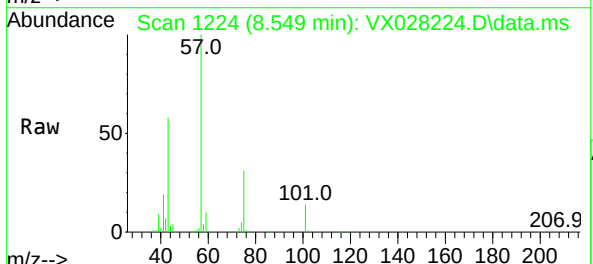
Tgt Ion: 75 Resp: 57151

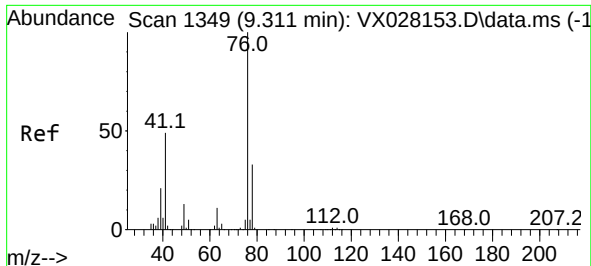
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 28.2 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.702 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028224.D

Acq: 21 Apr 2022 02:38

Instrument :

MSVOA_X

ClientSampleId :

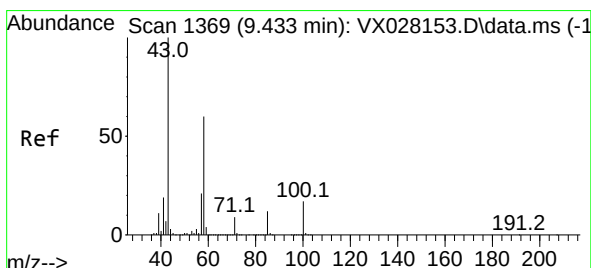
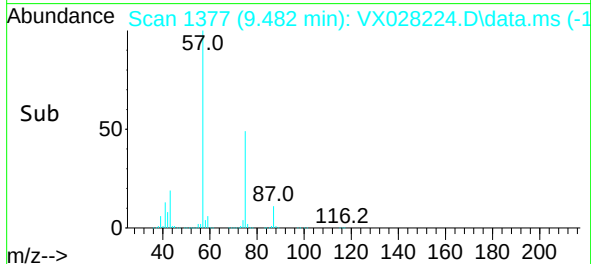
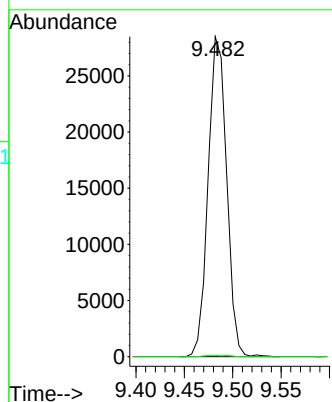
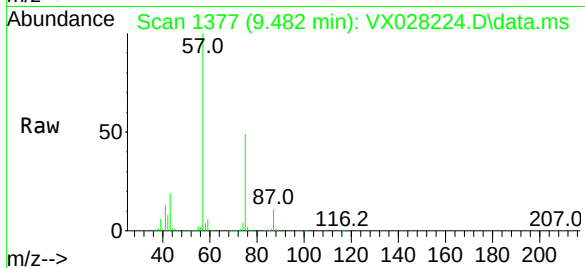
PB144231ZHE#06

Tgt Ion: 76 Resp: 38017

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 83.451 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028224.D

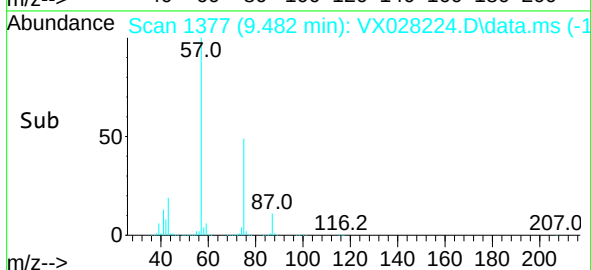
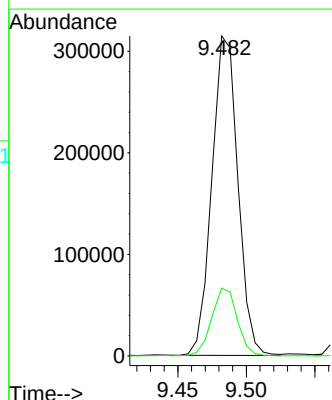
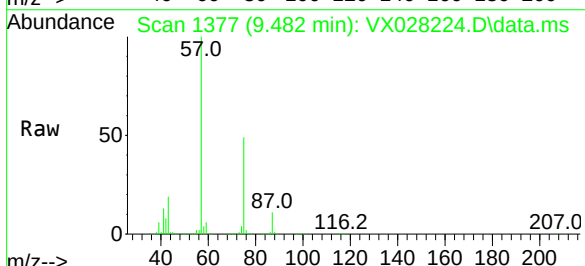
Acq: 21 Apr 2022 02:38

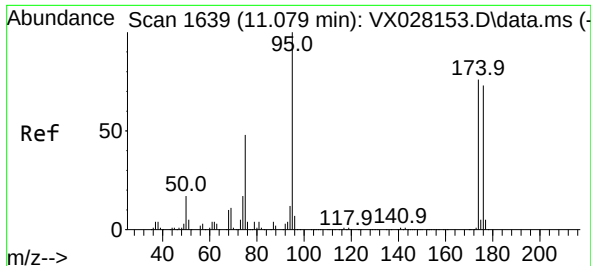
Tgt Ion: 43 Resp: 415277

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#





#62

4-Bromofluorobenzene

Concen: 43.682 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028224.D

Acq: 21 Apr 2022 02:38

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#06

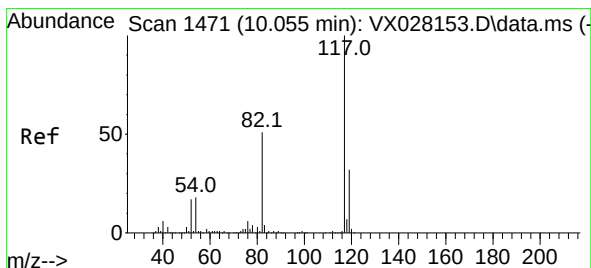
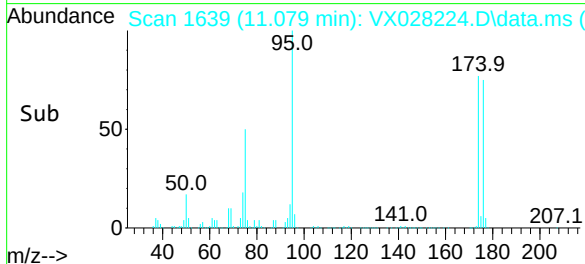
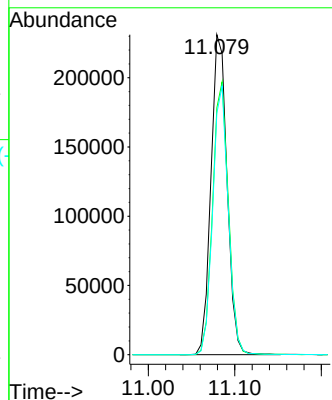
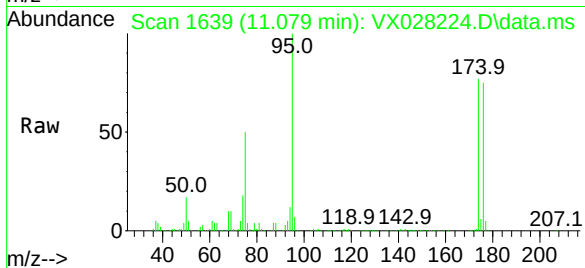
Tgt Ion: 95 Resp: 298129

Ion Ratio Lower Upper

95 100

174 83.8 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: VX028224.D

Acq: 21 Apr 2022 02:38

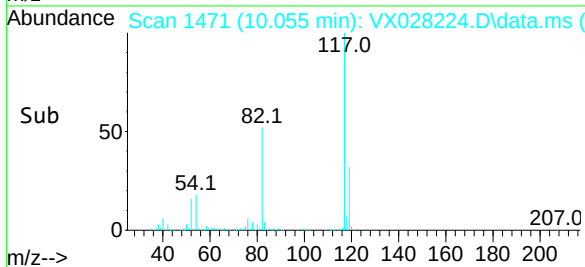
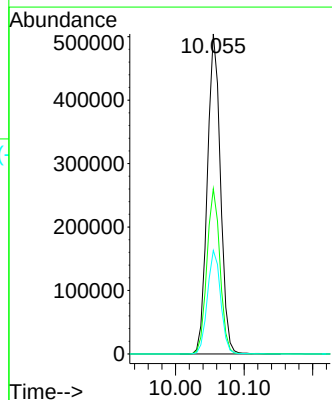
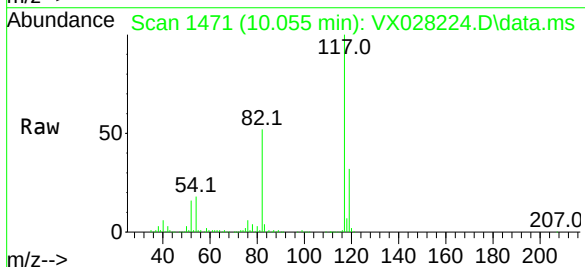
Tgt Ion: 117 Resp: 672494

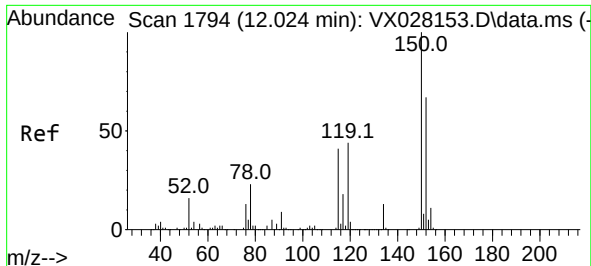
Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

119 32.3 24.8 37.2

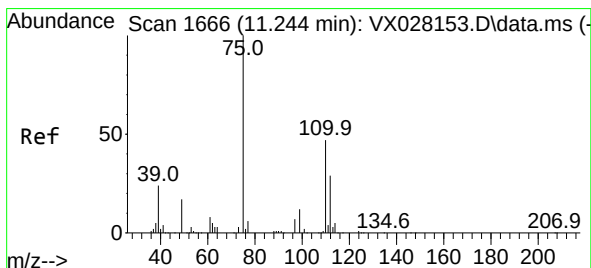
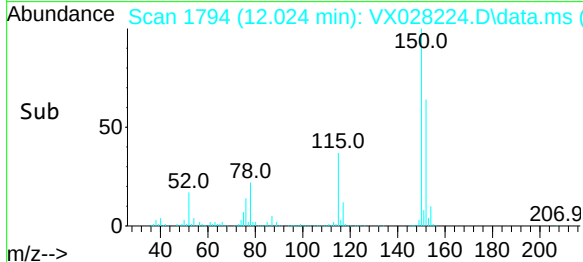
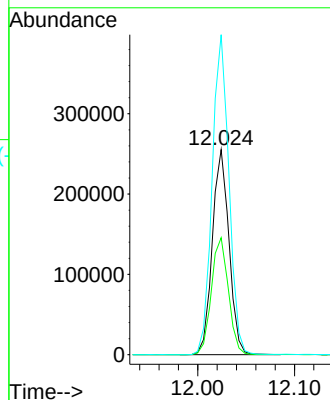
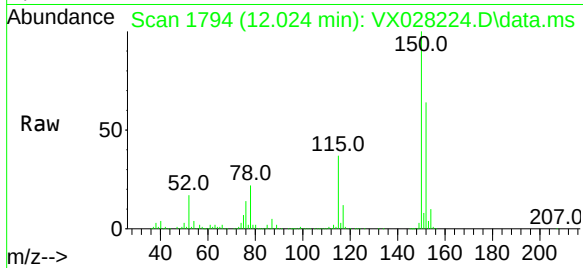




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028224.D
 Acq: 21 Apr 2022 02:38

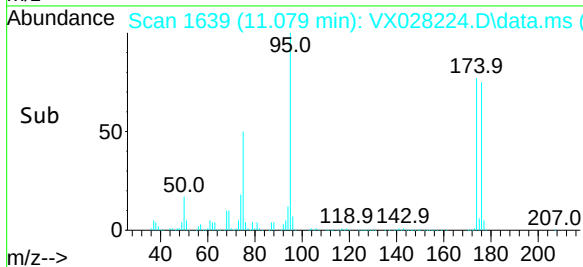
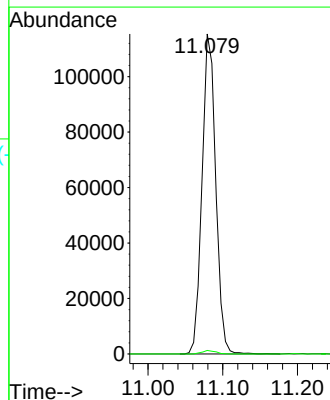
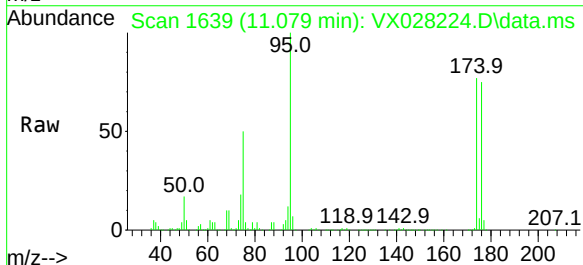
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#06

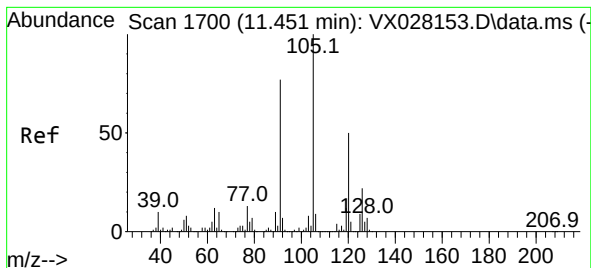
Tgt Ion:152 Resp: 305819
 Ion Ratio Lower Upper
 152 100
 115 58.2 37.5 112.7
 150 156.9 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.376 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028224.D
 Acq: 21 Apr 2022 02:38

Tgt Ion: 75 Resp: 146714
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.219 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028224.D

Acq: 21 Apr 2022 02:38

Instrument :

MSVOA_X

ClientSampleId :

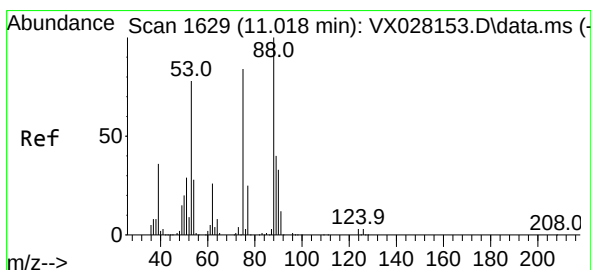
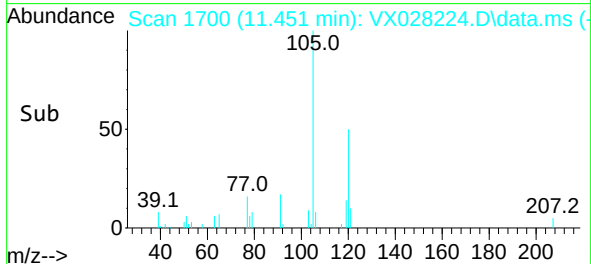
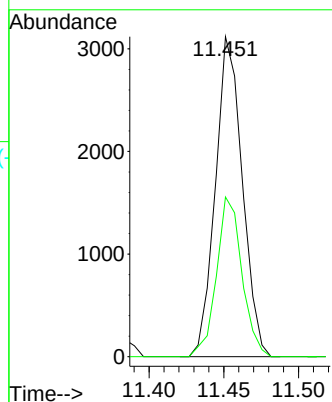
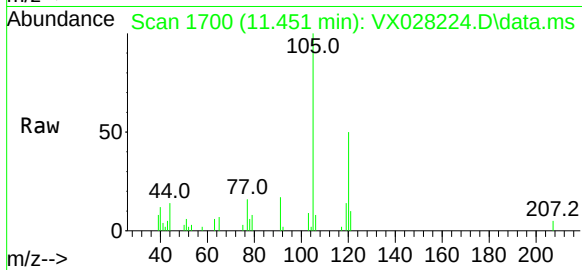
PB144231ZHE#06

Tgt Ion:105 Resp: 3900

Ion Ratio Lower Upper

105 100

120 47.2 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 72.440 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028224.D

Acq: 21 Apr 2022 02:38

Tgt Ion: 75 Resp: 146714

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

