

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028223.D
 Acq On : 21 Apr 2022 02:15
 Operator : JC/MD
 Sample : PB144231ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#05

Quant Time: Apr 21 06:21:18 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

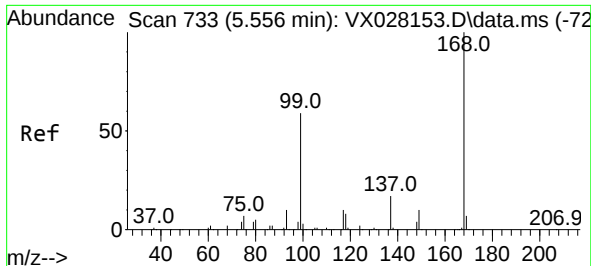
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	375694	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	659343	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	669493	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	310131	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	234736	47.919	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.840%		
35) Dibromofluoromethane	5.385	113	213182	46.104	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.200%		
50) Toluene-d8	8.653	98	797661	44.914	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.820%		
62) 4-Bromofluorobenzene	11.079	95	300311	44.225	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.460%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	435	Below Cal	#	42
5) Bromomethane	1.611	94	946	Below Cal		90
6) Chloroethane	1.642	64	1050	Below Cal	#	43
8) Diethyl Ether	2.136	74	55	Below Cal	#	1
10) Methyl Iodide	2.459	142	519	5.346	ug/l #	72
11) Tert butyl alcohol	2.946	59	10714	1.548	ug/l #	78
16) Acetone	2.373	43	19983	12.027	ug/l	100
18) Methyl Acetate	2.703	43	2374	0.545	ug/l #	86
20) Methylene Chloride	2.794	84	99547	27.388	ug/l	96
25) 2-Butanone	4.562	43	3503	1.207	ug/l	94
31) Cyclohexane	5.550	56	7443	1.247	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	28035	4.648	ug/l #	49
38) Carbon Tetrachloride	5.556	117	38129	5.600	ug/l #	15
43) Isopropyl Acetate	6.342	43	27221	2.733	ug/l	97
48) Methyl methacrylate	7.604	41	6341	1.387	ug/l #	7
49) 1,4-Dioxane	7.793	88	293	2.395	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	100783	15.768	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	54388	7.314	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	34667	4.310	ug/l #	43
59) 2-Hexanone	9.482	43	391852	79.144	ug/l #	45
74) N-amyl acetate	10.640	43	18646	2.531	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	150796	24.706	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	6001	0.332	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	150796	73.420	ug/l #	15

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

Quant Time: Apr 21 06:21:18 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 19 13:38:04 2022
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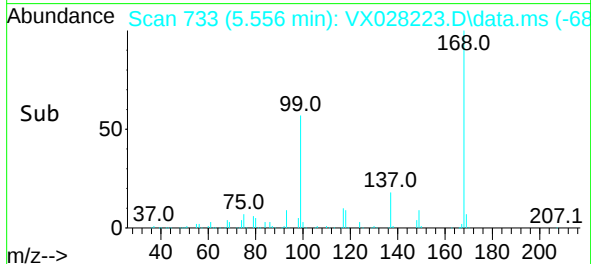
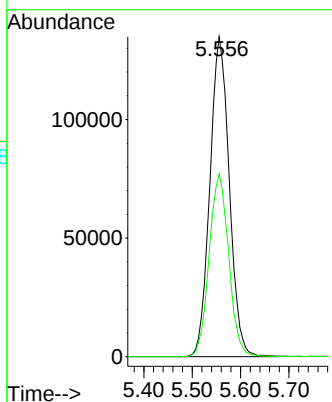
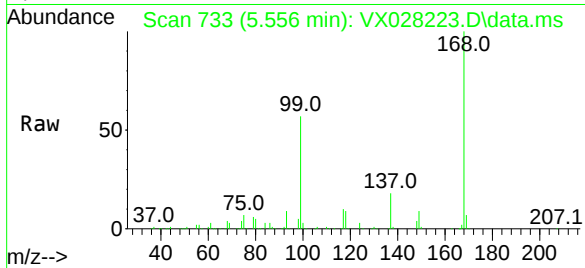




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

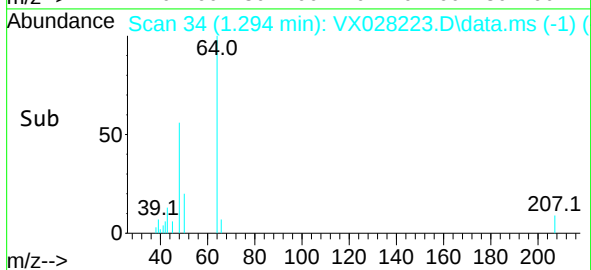
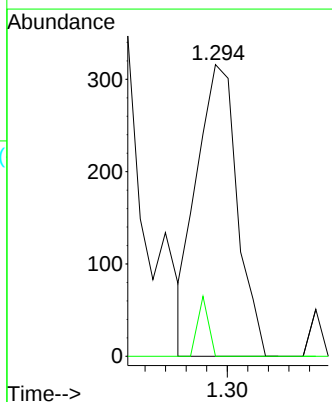
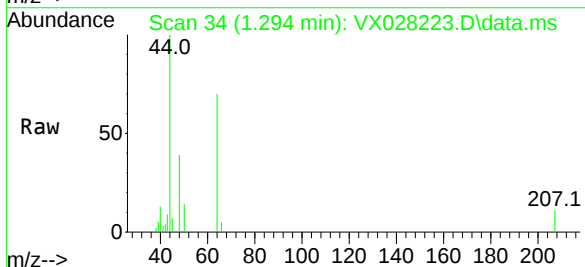
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#05

Tgt Ion:168 Resp: 375694
Ion Ratio Lower Upper
168 100
99 57.1 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

Tgt Ion: 50 Resp: 435
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

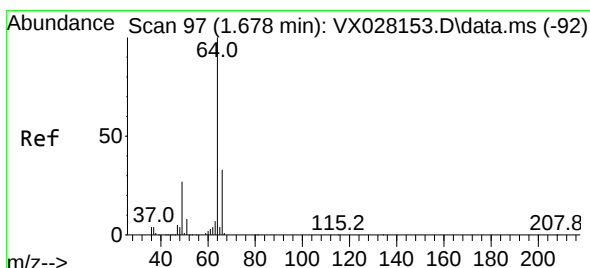
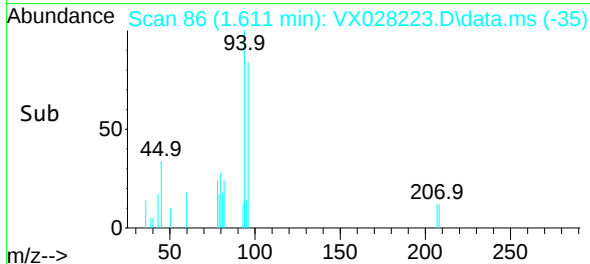
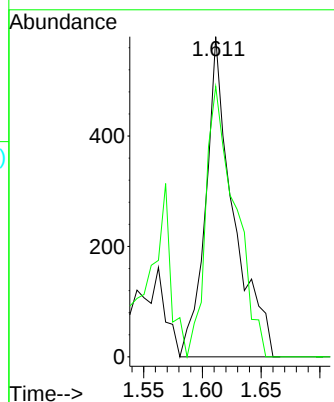
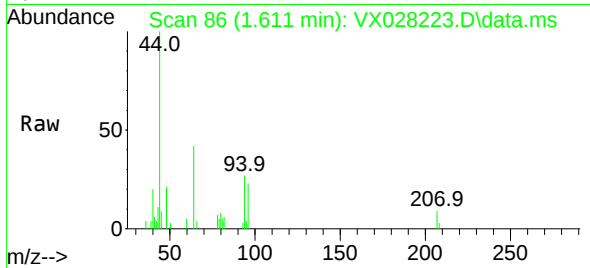




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

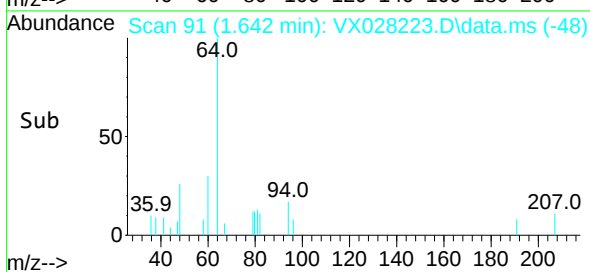
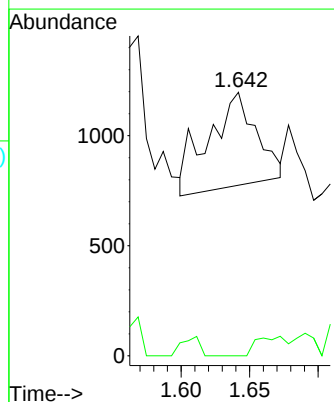
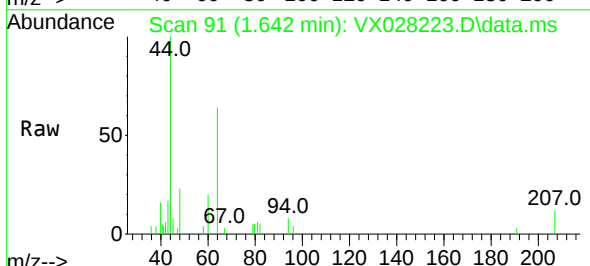
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#05

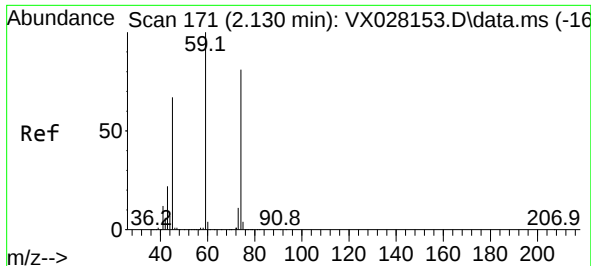
Tgt Ion: 94 Resp: 946
Ion Ratio Lower Upper
94 100
96 84.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

Tgt Ion: 64 Resp: 1050
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

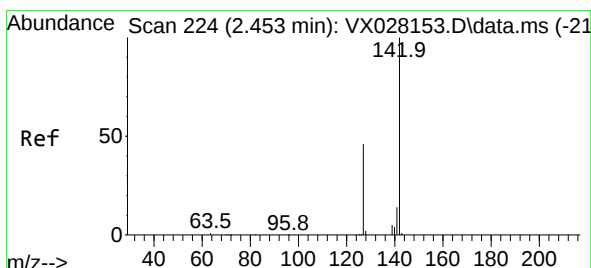
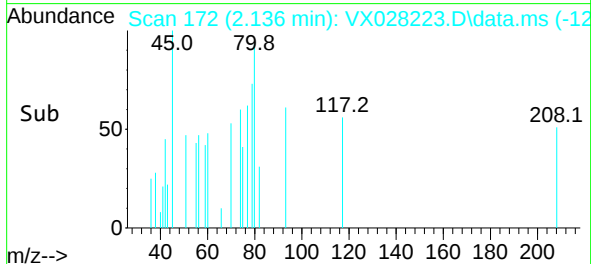
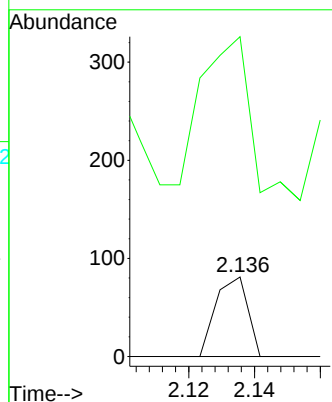
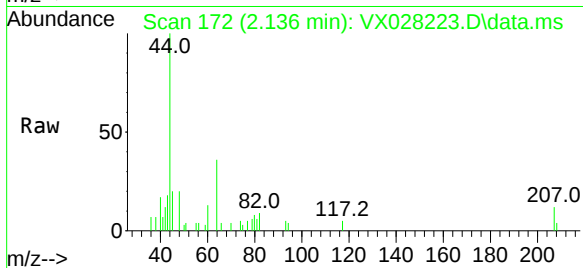




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

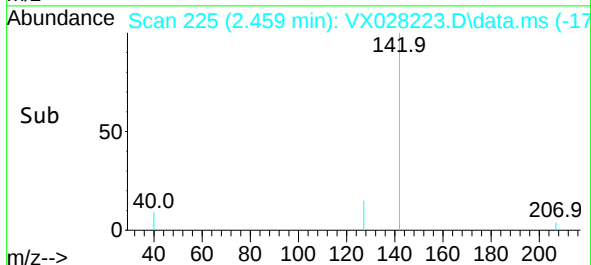
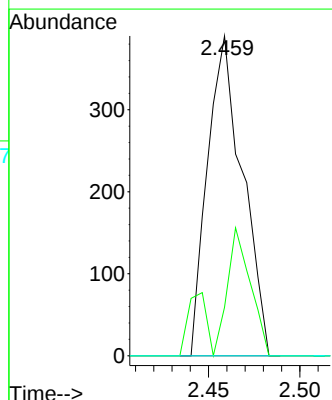
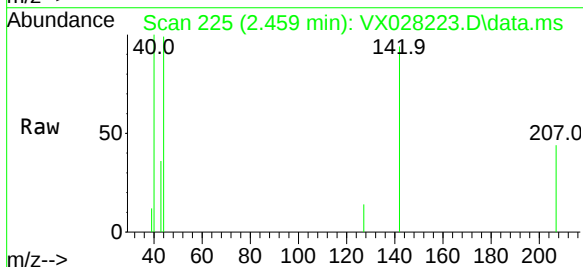
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#05

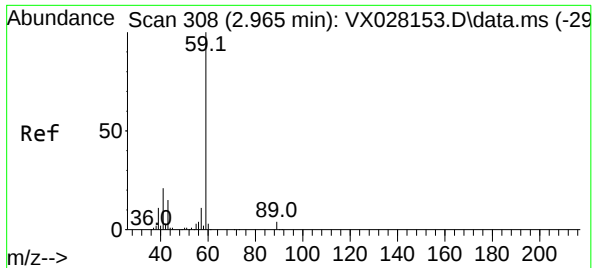
Tgt Ion: 74 Resp: 55
Ion Ratio Lower Upper
74 100
45 310.9 42.0 126.0#



#10
Methyl Iodide
Concen: 5.346 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

Tgt Ion:142 Resp: 519
Ion Ratio Lower Upper
142 100
127 26.4 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 1.548 ug/l

RT: 2.946 min Scan# 308

Delta R.T. -0.019 min

Lab File: VX028223.D

Acq: 21 Apr 2022 02:15

Instrument :

MSVOA_X

ClientSampleId :

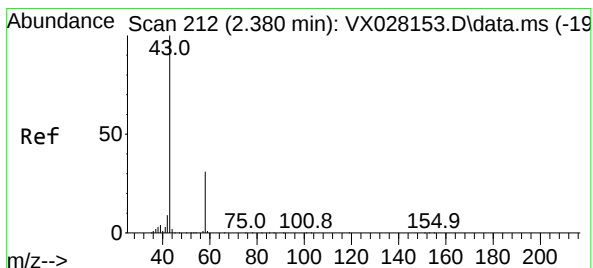
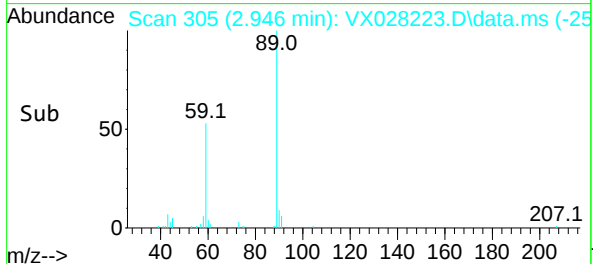
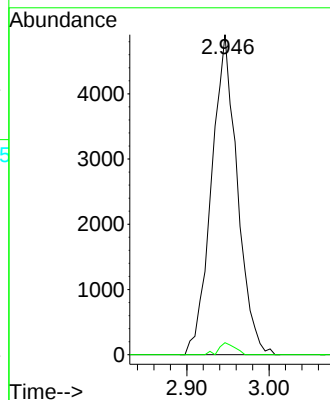
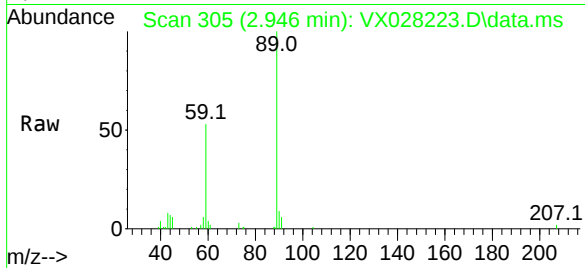
PB144231ZHE#05

Tgt Ion: 59 Resp: 10714

Ion Ratio Lower Upper

59 100

57 2.3 8.3 12.5#



#16

Acetone

Concen: 12.027 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.007 min

Lab File: VX028223.D

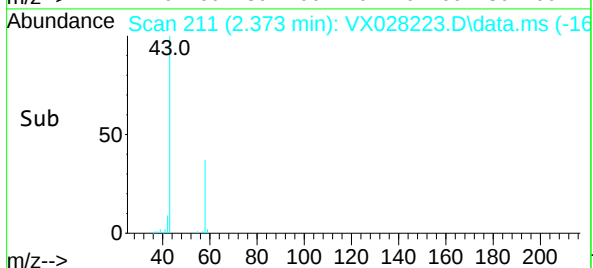
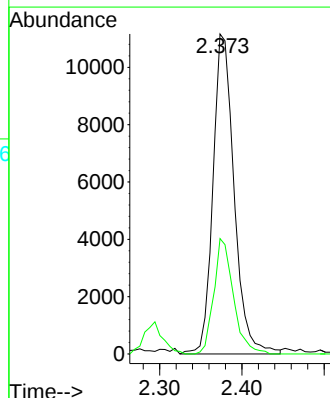
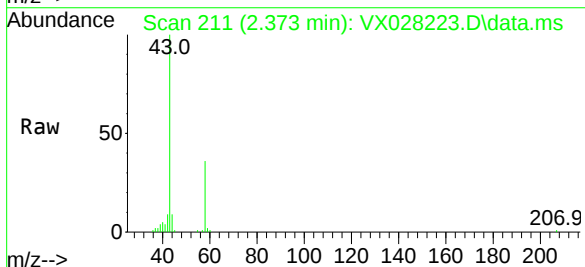
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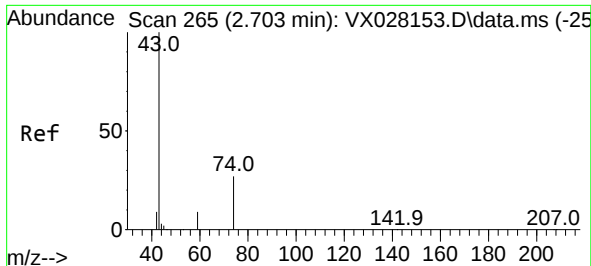
Tgt Ion: 43 Resp: 19983

Ion Ratio Lower Upper

43 100

58 36.1 28.8 43.2

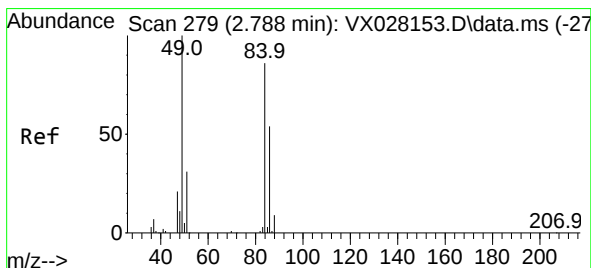
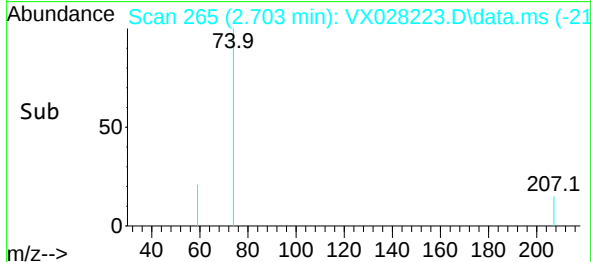
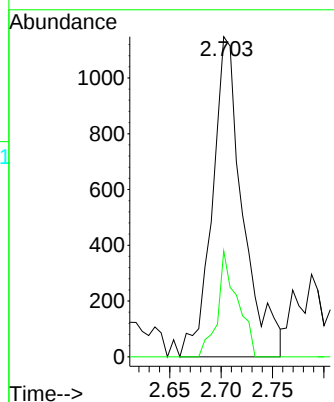
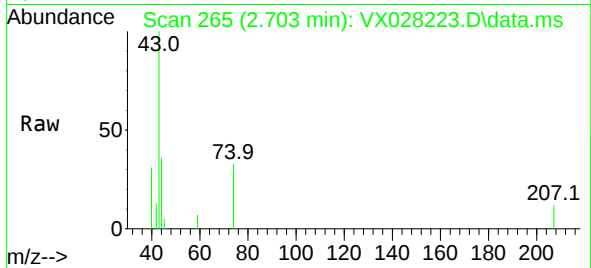




#18
Methyl Acetate
Concen: 0.545 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

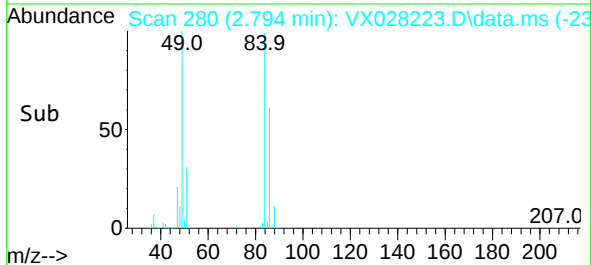
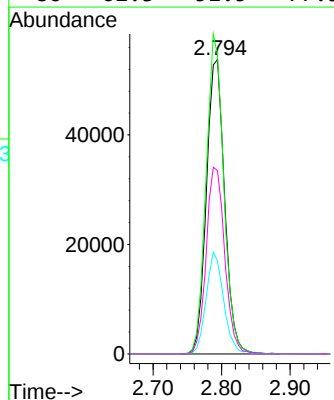
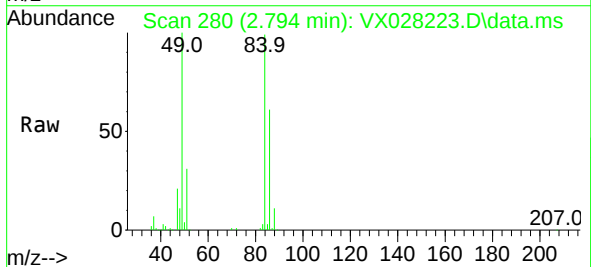
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#05

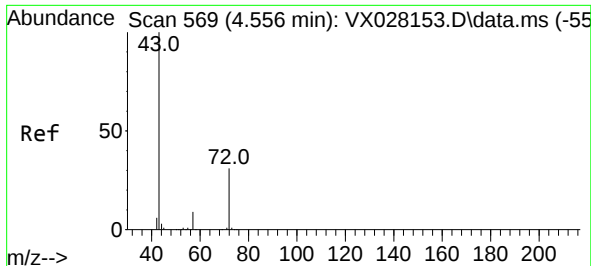
Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
74 21.3 22.8 34.2#



#20
Methylene Chloride
Concen: 27.388 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

Tgt Ion: 84 Resp: 99547
Ion Ratio Lower Upper
84 100
49 101.4 85.5 128.3
51 31.5 26.6 39.8
86 62.3 51.5 77.3





#25

2-Butanone

Concen: 1.207 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX028223.D

Acq: 21 Apr 2022 02:15

Instrument :

MSVOA_X

ClientSampleId :

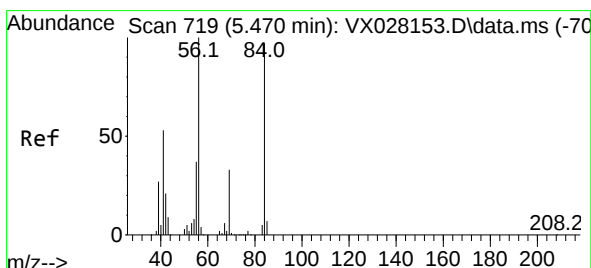
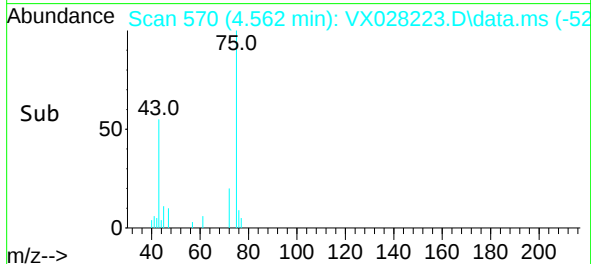
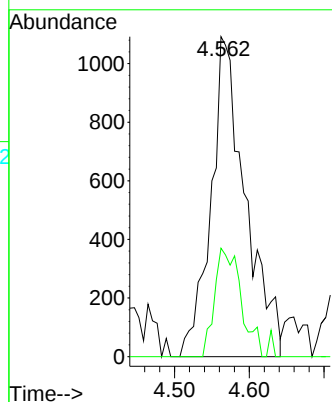
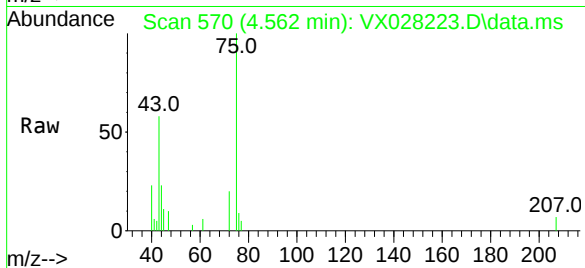
PB144231ZHE#05

Tgt Ion: 43 Resp: 3503

Ion Ratio Lower Upper

43 100

72 33.9 24.4 36.6



#31

Cyclohexane

Concen: 1.247 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028223.D

Acq: 21 Apr 2022 02:15

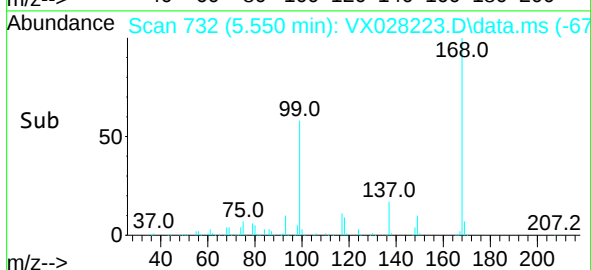
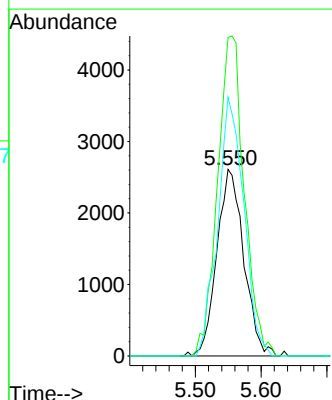
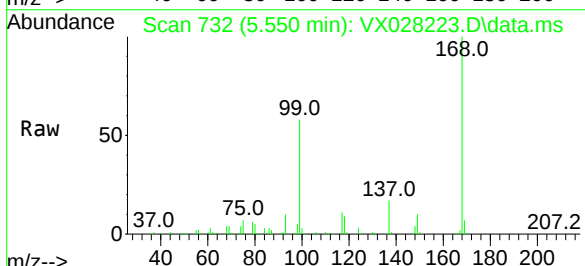
Tgt Ion: 56 Resp: 7443

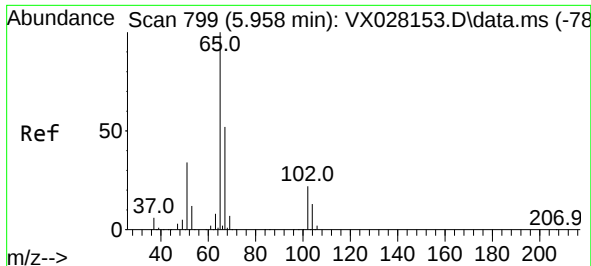
Ion Ratio Lower Upper

56 100

69 170.8 26.7 40.1#

84 138.8 77.2 115.8#

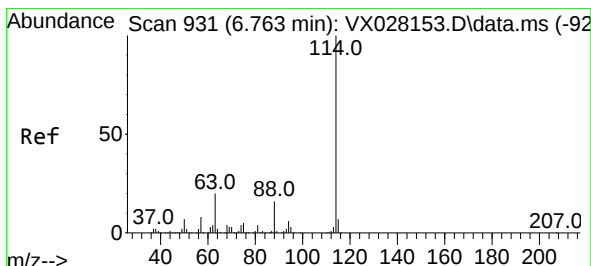
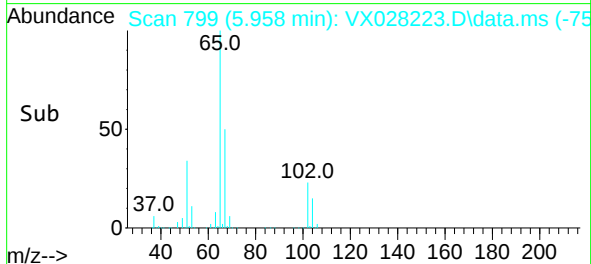
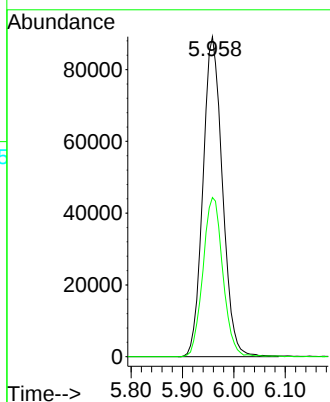
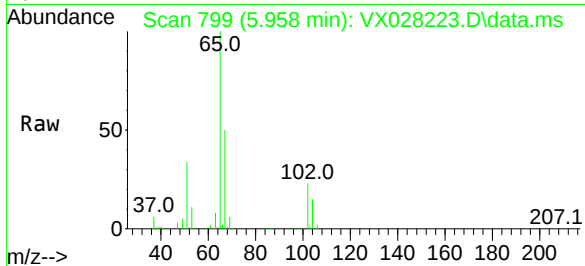




#33
 1,2-Dichloroethane-d4
 Concen: 47.919 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX028223.D
 Acq: 21 Apr 2022 02:15

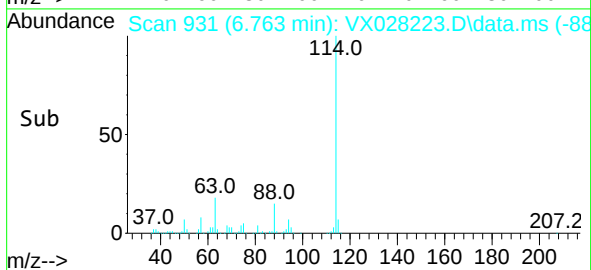
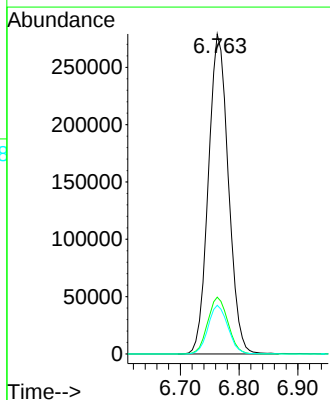
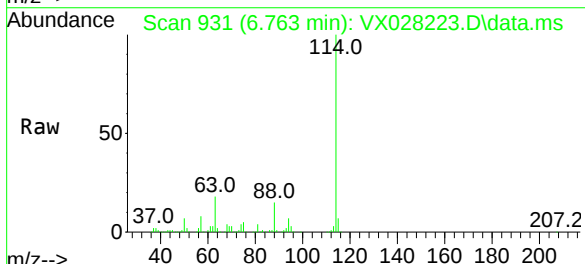
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#05

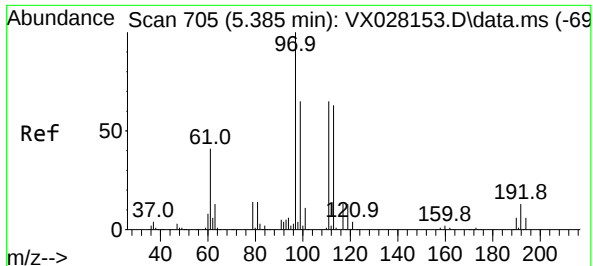
Tgt Ion: 65 Resp: 234736
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX028223.D
 Acq: 21 Apr 2022 02:15

Tgt Ion: 114 Resp: 659343
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 36.8
 88 15.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.104 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028223.D

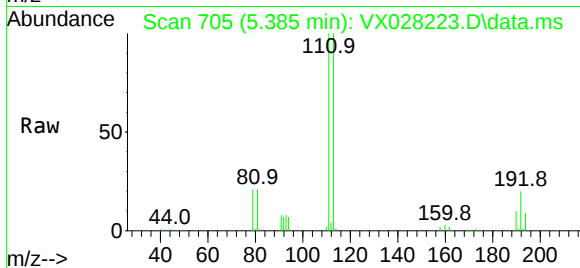
Acq: 21 Apr 2022 02:15

Instrument :

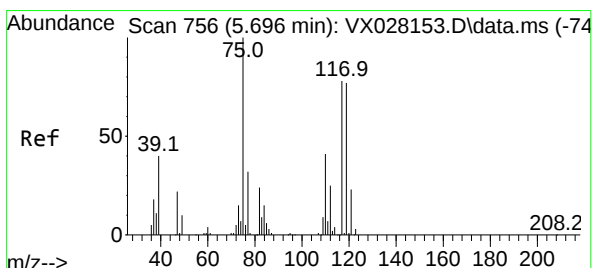
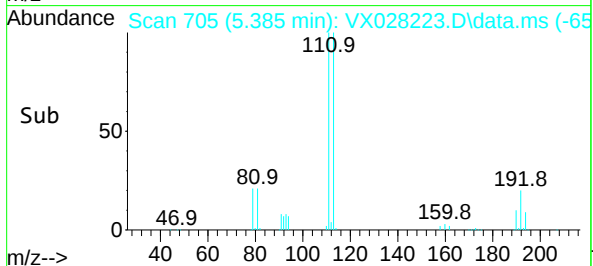
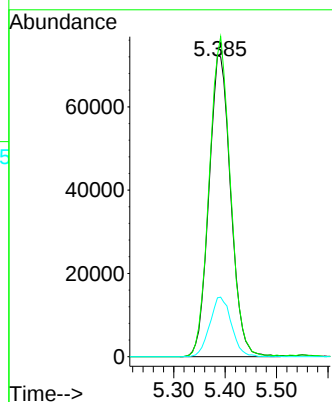
MSVOA_X

ClientSampleId :

PB144231ZHE#05



Tgt Ion:	113	Resp:	213182
Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.8	124.2
192	19.6	16.9	25.3



#36

1,1-Dichloropropene

Concen: 4.648 ug/l

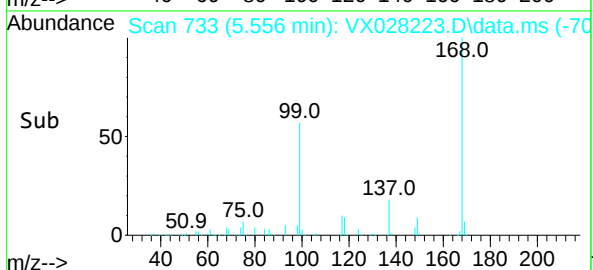
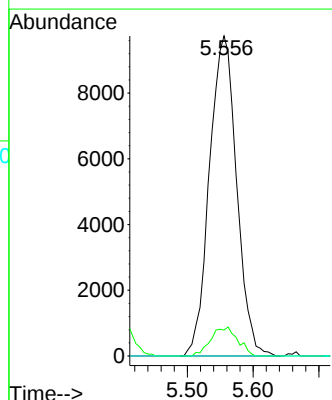
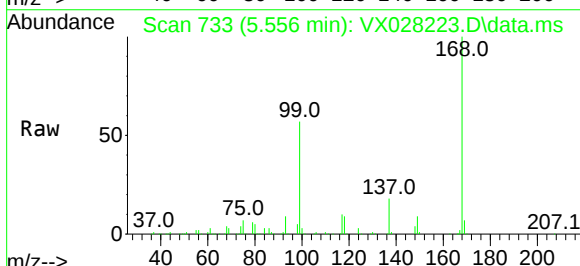
RT: 5.556 min Scan# 733

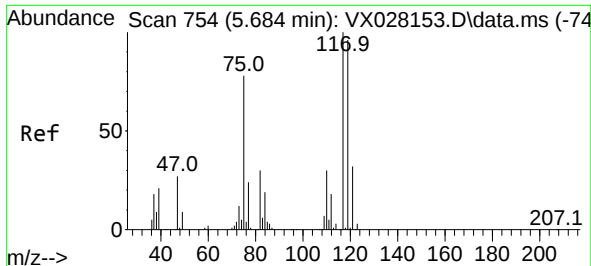
Delta R.T. -0.140 min

Lab File: VX028223.D

Acq: 21 Apr 2022 02:15

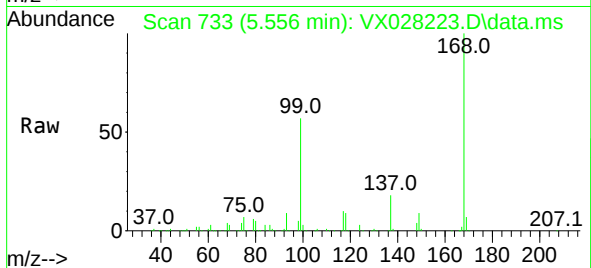
Tgt Ion:	75	Resp:	28035
Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.3	54.8#
77	0.0	24.8	37.2#



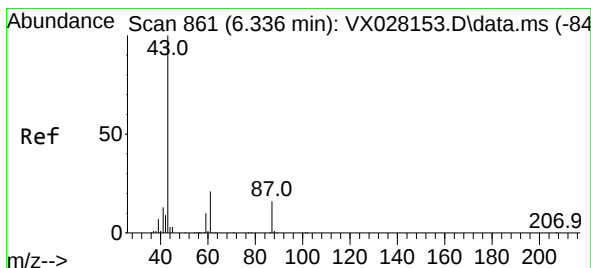
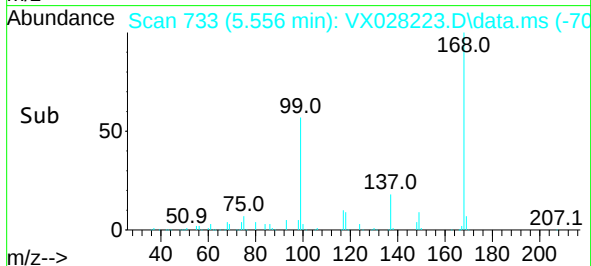
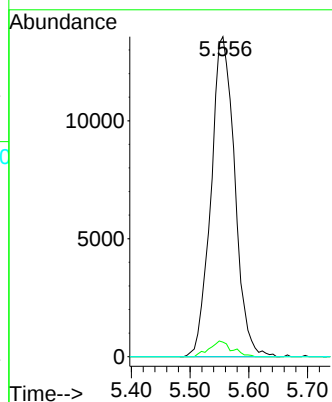


#38
Carbon Tetrachloride
Concen: 5.600 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#05

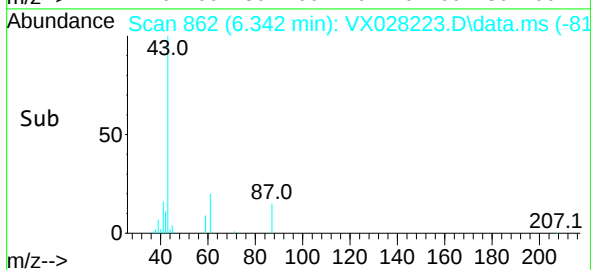
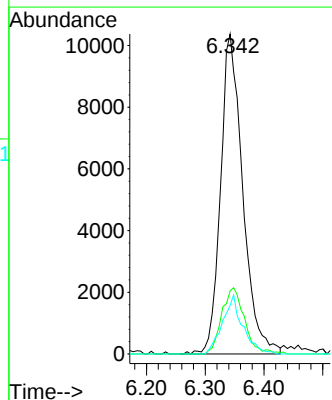
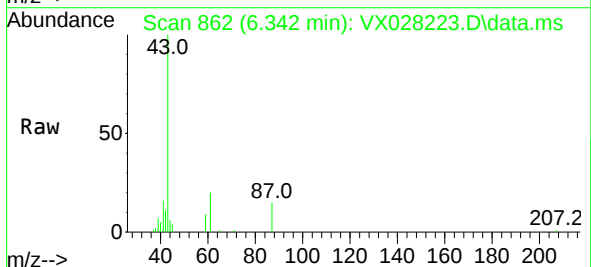


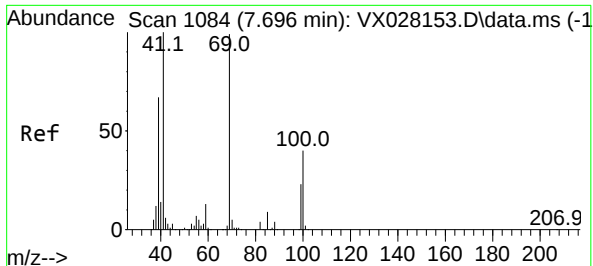
Tgt Ion:117 Resp: 38129
Ion Ratio Lower Upper
117 100
119 4.5 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.733 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

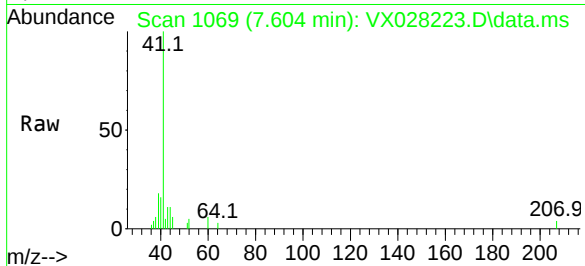
Tgt Ion: 43 Resp: 27221
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 16.7 13.0 19.6



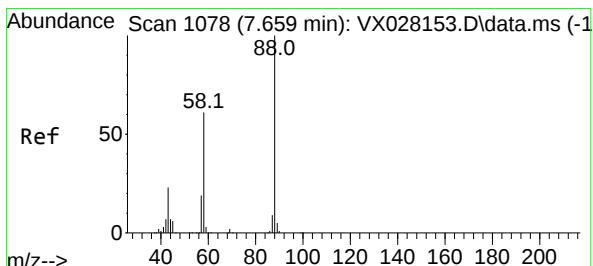
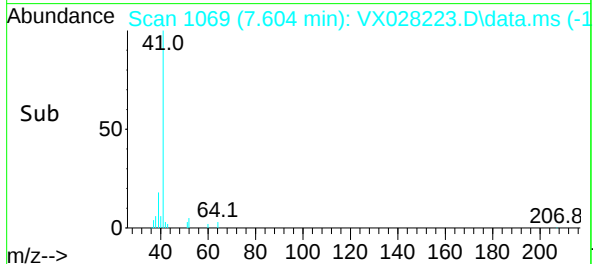
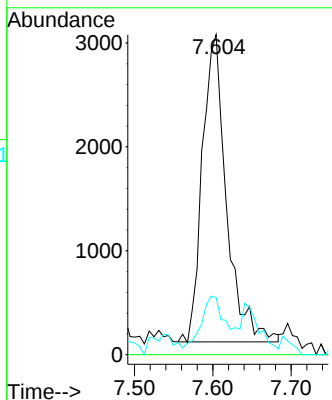


#48
Methyl methacrylate
Concen: 1.387 ug/l
RT: 7.604 min Scan# 1100
Delta R.T. -0.092 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#05

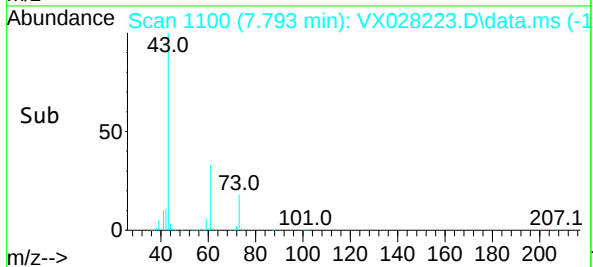
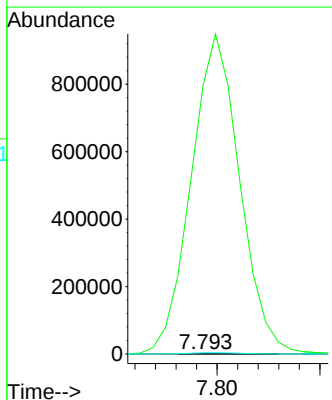
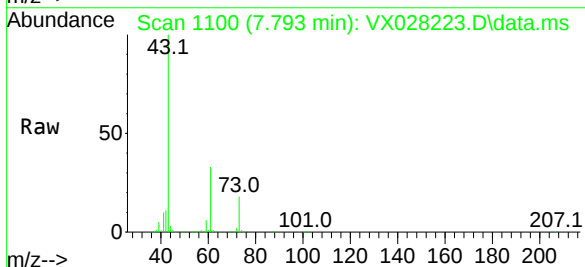


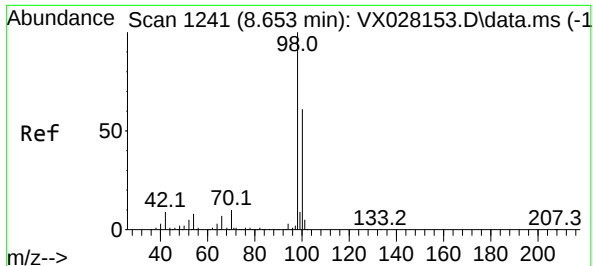
Tgt Ion: 41 Resp: 6341
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.395 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

Tgt Ion: 88 Resp: 293
Ion Ratio Lower Upper
88 100
43 534506.5 21.9 32.9#
58 2260.4 53.7 80.5#

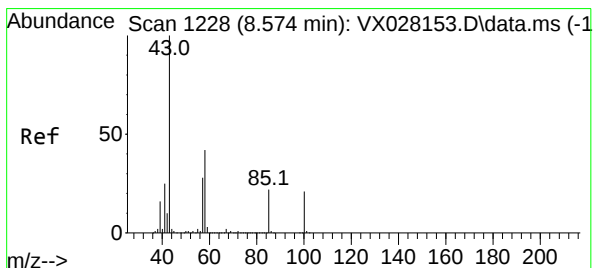
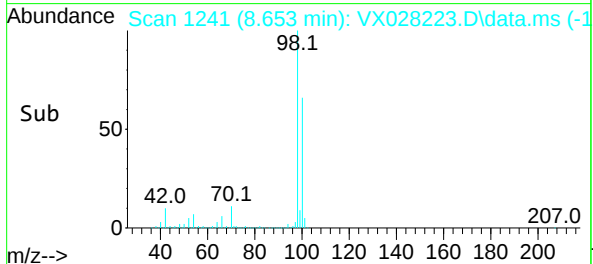
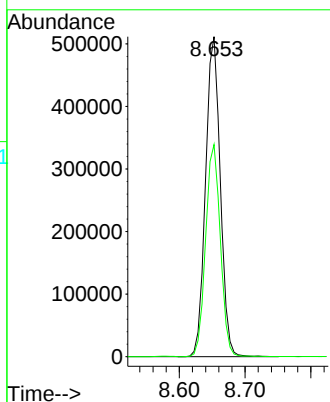
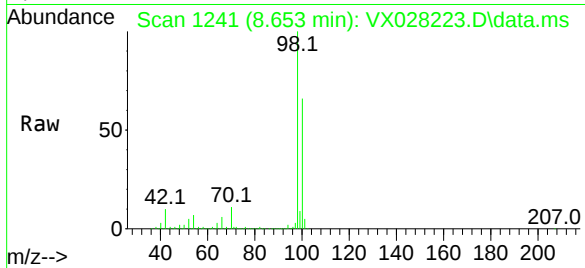




#50
Toluene-d8
Concen: 44.914 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

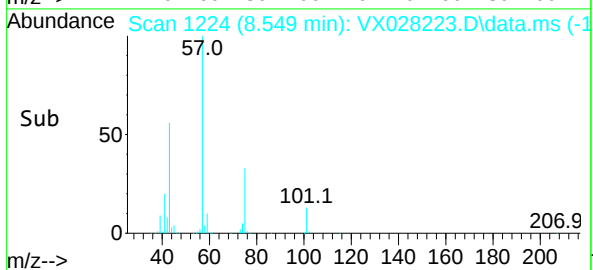
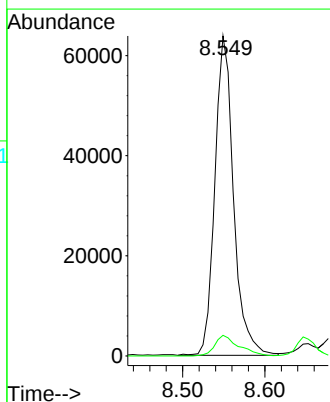
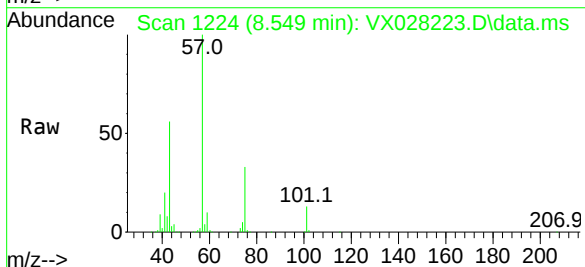
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#05

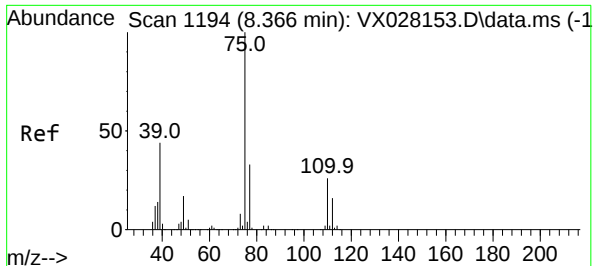
Tgt Ion: 98 Resp: 797661
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.768 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

Tgt Ion: 43 Resp: 100783
Ion Ratio Lower Upper
43 100
58 8.3 36.1 54.1#

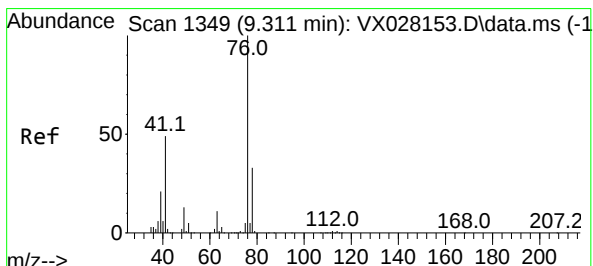
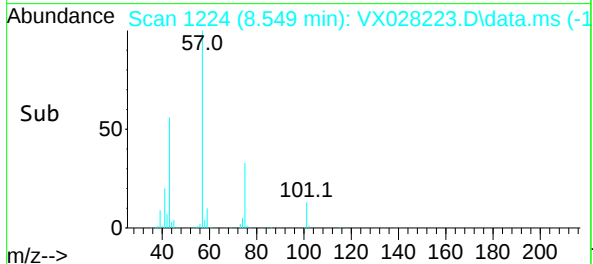
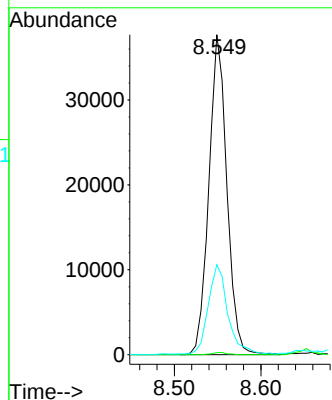
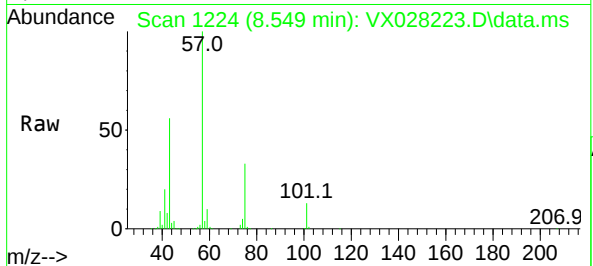




#54
 cis-1,3-Dichloropropene
 Concen: 7.314 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028223.D
 Acq: 21 Apr 2022 02:15

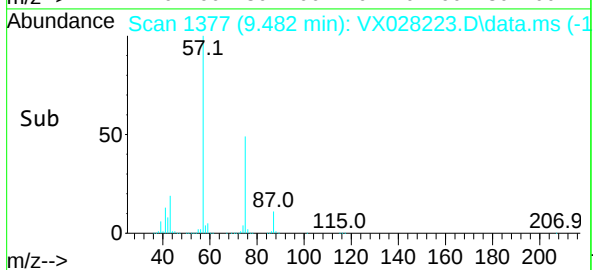
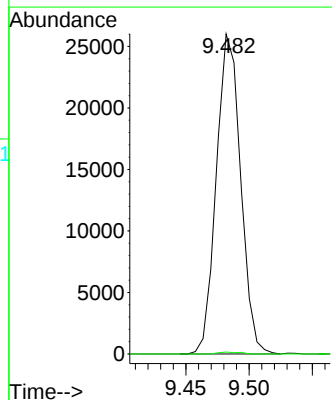
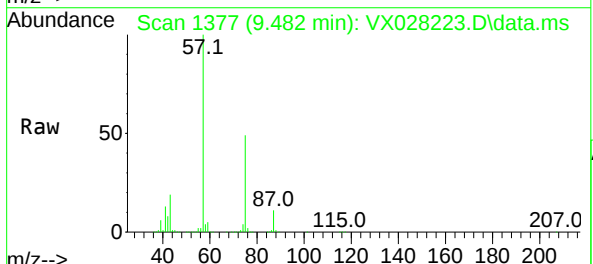
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#05

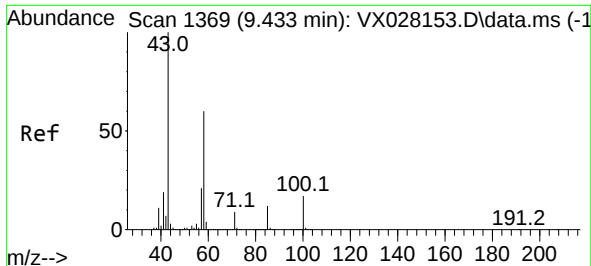
Tgt Ion: 75 Resp: 54388
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.8 37.2#
 39 27.8 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.310 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028223.D
 Acq: 21 Apr 2022 02:15

Tgt Ion: 76 Resp: 34667
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#





#59

2-Hexanone

Concen: 79.144 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028223.D

Acq: 21 Apr 2022 02:15

Instrument :

MSVOA_X

ClientSampleId :

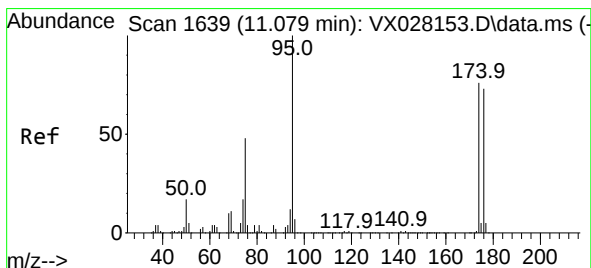
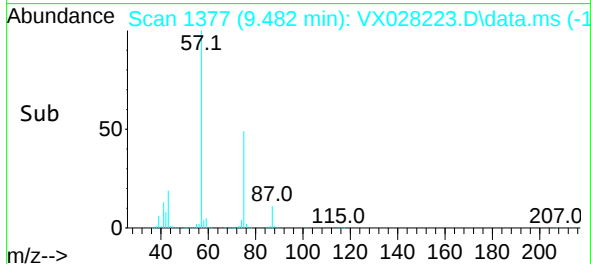
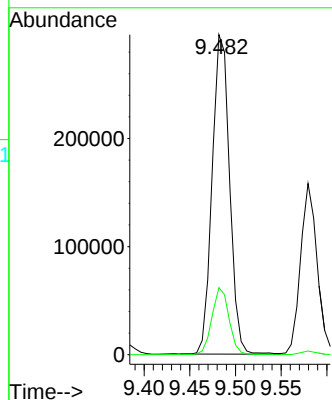
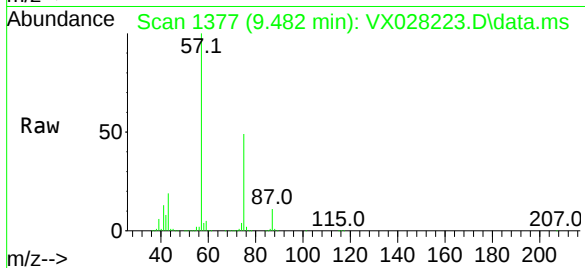
PB144231ZHE#05

Tgt Ion: 43 Resp: 391852

Ion Ratio Lower Upper

43 100

58 20.7 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 44.225 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028223.D

Acq: 21 Apr 2022 02:15

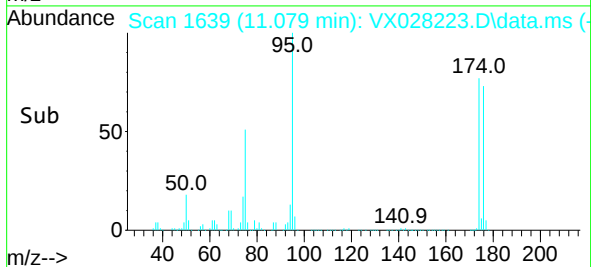
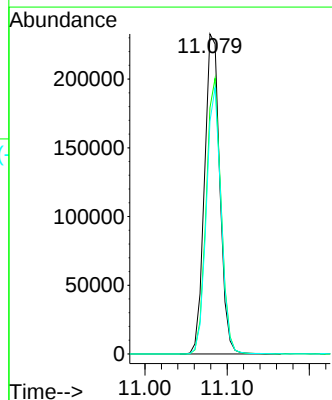
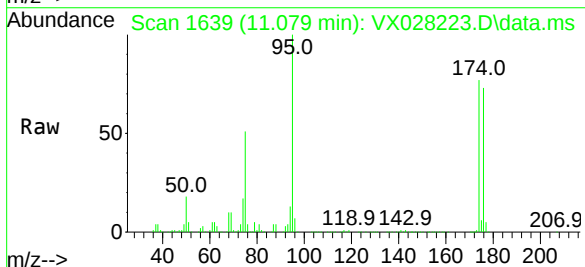
Tgt Ion: 95 Resp: 300311

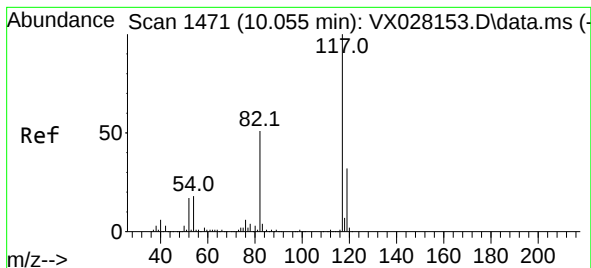
Ion Ratio Lower Upper

95 100

174 84.1 0.0 163.0

176 80.4 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: VX028223.D

Acq: 21 Apr 2022 02:15

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#05

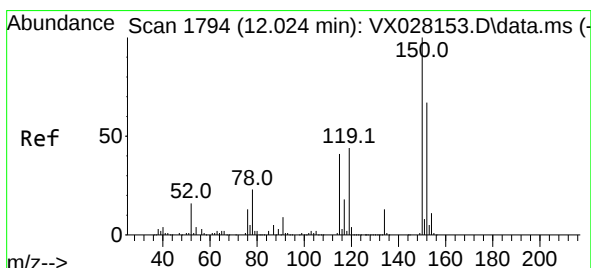
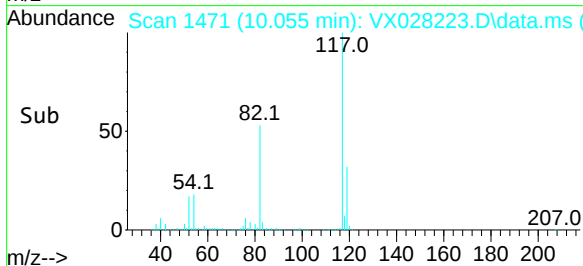
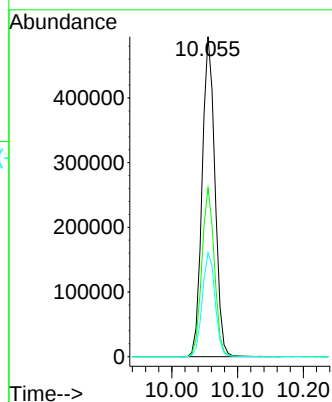
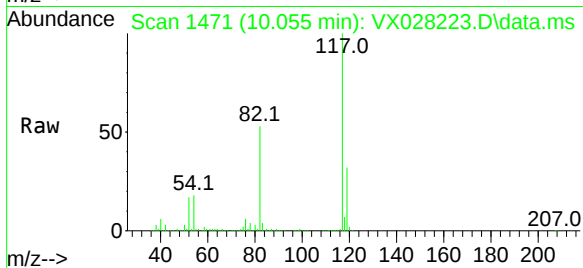
Tgt Ion:117 Resp: 669493

Ion Ratio Lower Upper

117 100

82 52.7 41.8 62.8

119 32.5 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028223.D

Acq: 21 Apr 2022 02:15

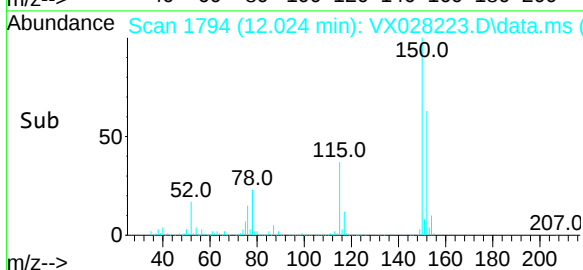
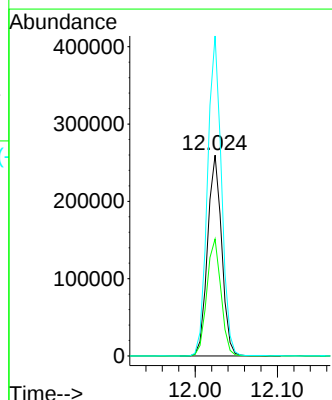
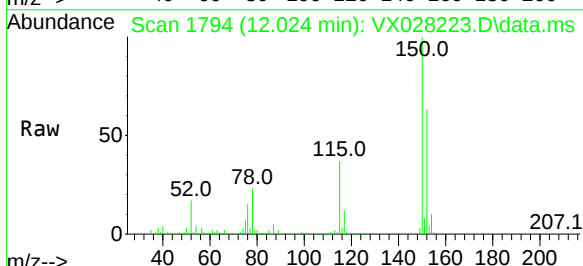
Tgt Ion:152 Resp: 310131

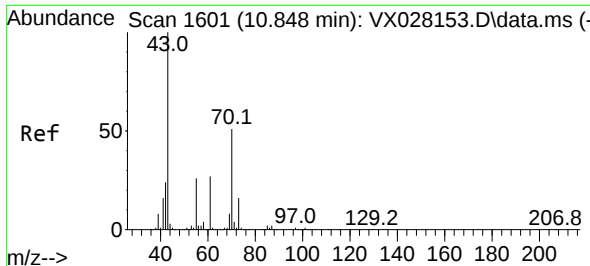
Ion Ratio Lower Upper

152 100

115 58.3 37.5 112.7

150 157.3 0.0 338.2

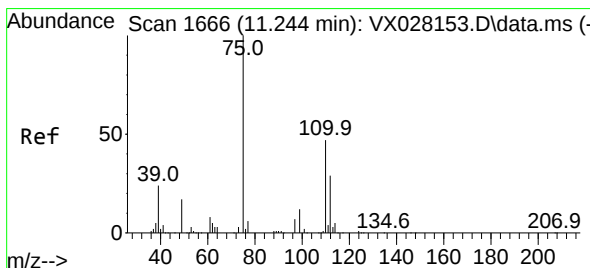
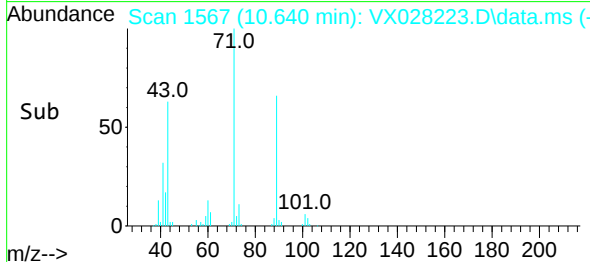
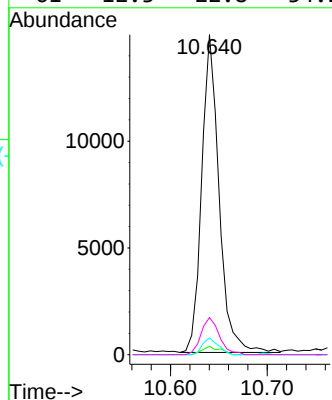
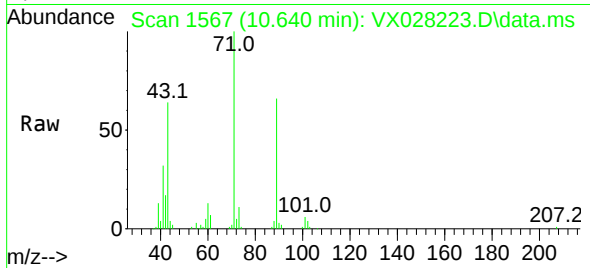




#74
N-amy1 acetate
Concen: 2.531 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.208 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

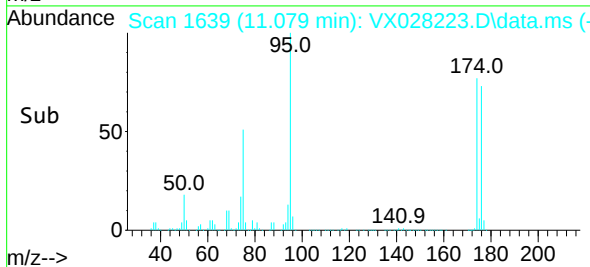
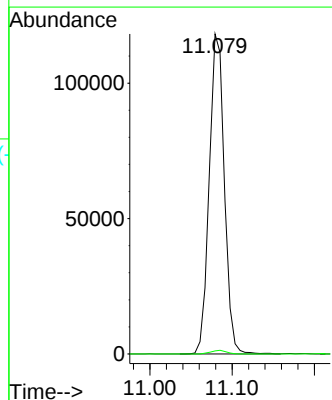
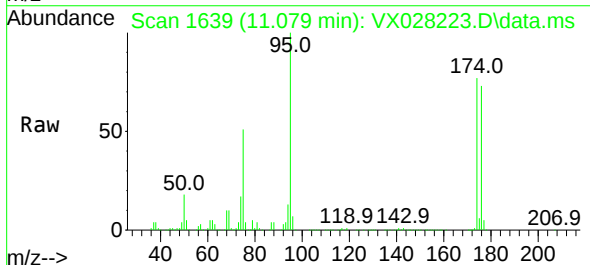
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#05

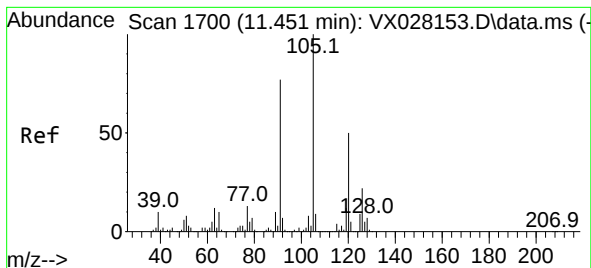
Tgt Ion: 43	Resp: 18646
Ion Ratio	Lower Upper
43 100	
70 2.7	42.5 63.7#
55 4.8	23.1 34.7#
61 12.3	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 24.706 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028223.D
Acq: 21 Apr 2022 02:15

Tgt Ion: 75	Resp: 150796
Ion Ratio	Lower Upper
75 100	
77 1.1	19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.332 ug/l

RT: 11.451 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX028223.D

Acq: 21 Apr 2022 02:15

Instrument :

MSVOA_X

ClientSampleId :

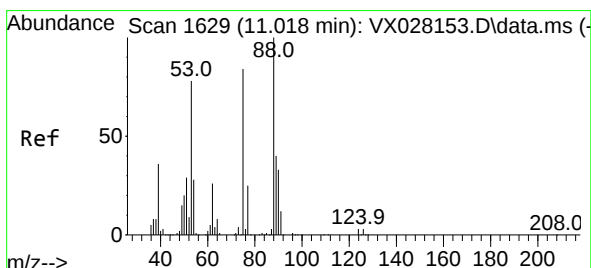
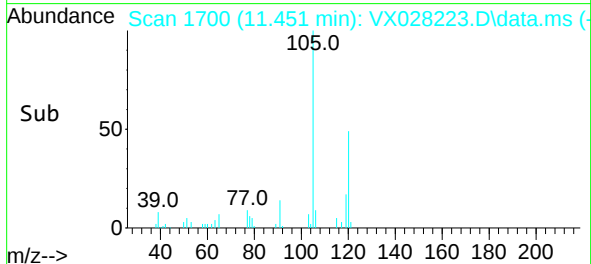
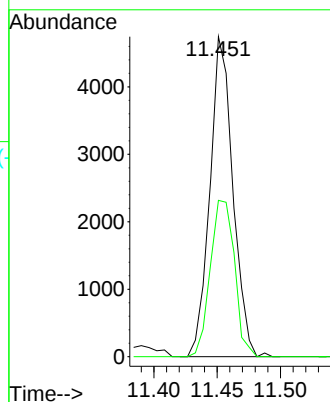
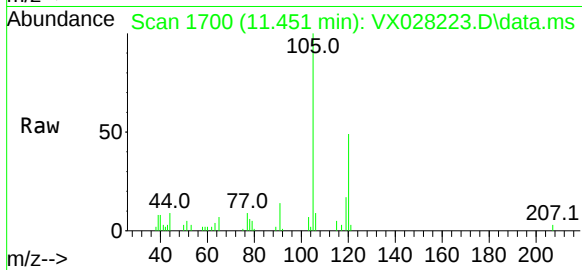
PB144231ZHE#05

Tgt Ion:105 Resp: 6001

Ion Ratio Lower Upper

105 100

120 51.4 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 73.420 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028223.D

Acq: 21 Apr 2022 02:15

Tgt Ion: 75 Resp: 150796

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.1 37.0 55.6#

