

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028455.D
 Acq On : 30 Apr 2022 04:13
 Operator : JC/MD
 Sample : PB144452ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#10

Quant Time: Apr 30 09:23:25 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

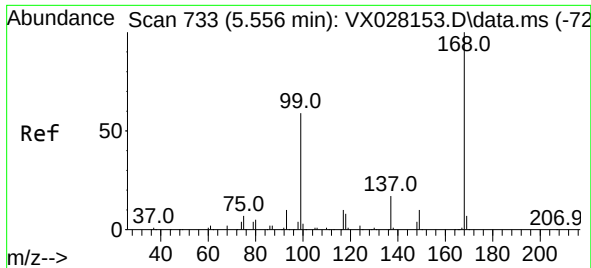
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	376427	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	665644	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	689511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	304055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	287120	58.498	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 117.000%	
35) Dibromofluoromethane	5.391	113	254312	54.479	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.960%	
50) Toluene-d8	8.653	98	987380	55.071	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 110.140%	
62) 4-Bromofluorobenzene	11.079	95	356906	52.062	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 104.120%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	331	Below Cal		100
5) Bromomethane	1.611	94	809	Below Cal		87
6) Chloroethane	1.654	64	138	Below Cal	#	82
8) Diethyl Ether	2.142	74	26	Below Cal	#	1
10) Methyl Iodide	2.459	142	243	5.287	ug/l #	87
11) Tert butyl alcohol	2.947	59	4730	Below Cal	#	72
16) Acetone	2.373	43	9444	4.931	ug/l	88
18) Methyl Acetate	2.709	43	2513	0.576	ug/l #	85
20) Methylene Chloride	2.788	84	6842	1.879	ug/l	98
25) 2-Butanone	4.574	43	3942	1.356	ug/l #	84
31) Cyclohexane	5.556	56	7581	1.268	ug/l #	15
36) 1,1-Dichloropropene	5.550	75	28594	4.696	ug/l #	49
38) Carbon Tetrachloride	5.556	117	37414	5.443	ug/l #	15
43) Isopropyl Acetate	6.342	43	28022	2.787	ug/l	96
48) Methyl methacrylate	7.598	41	7639	1.655	ug/l #	7
49) 1,4-Dioxane	7.805	88	384	3.109	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	110244	17.085	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	58940	7.851	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	39618	4.879	ug/l #	43
59) 2-Hexanone	9.482	43	426216	85.270	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	175761	29.372	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	4016	0.226	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.079	75	175761	87.285	ug/l #	15

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

Quant Time: Apr 30 09:23:25 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
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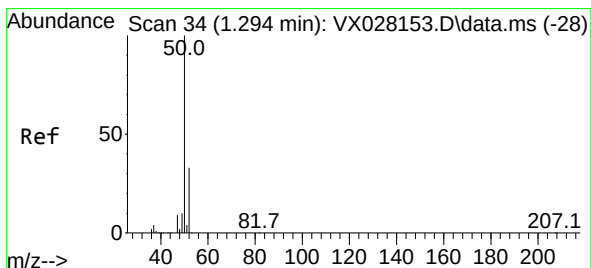
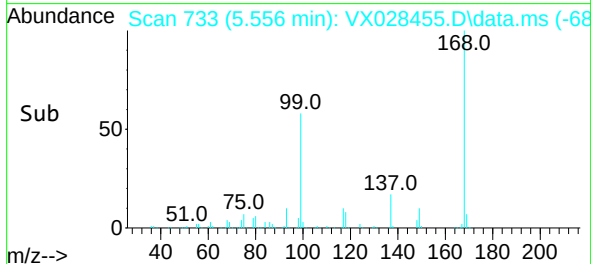
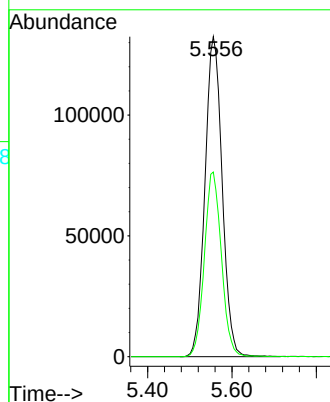
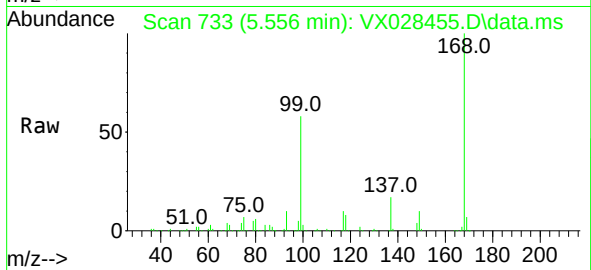




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

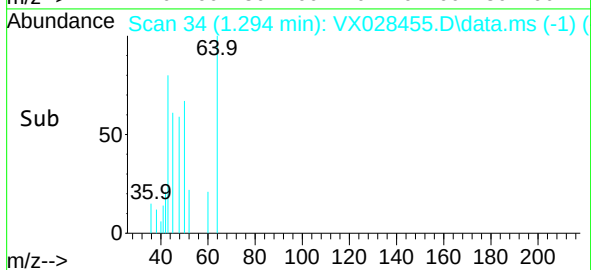
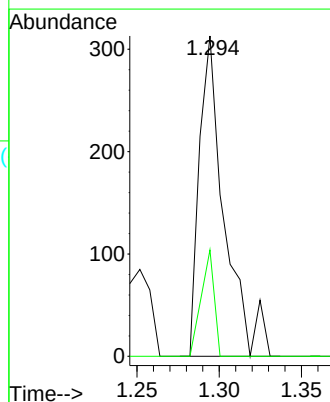
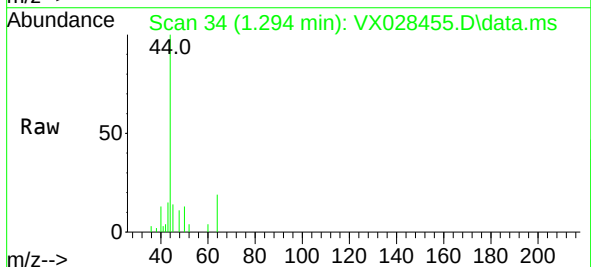
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#10

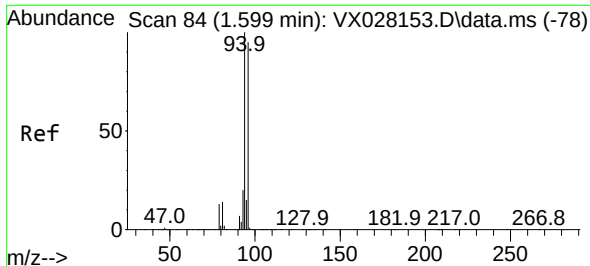
Tgt Ion:168 Resp: 376427
Ion Ratio Lower Upper
168 100
99 57.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

Tgt Ion: 50 Resp: 331
Ion Ratio Lower Upper
50 100
52 33.2 26.4 39.6

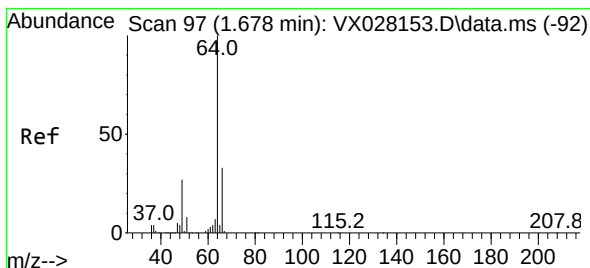
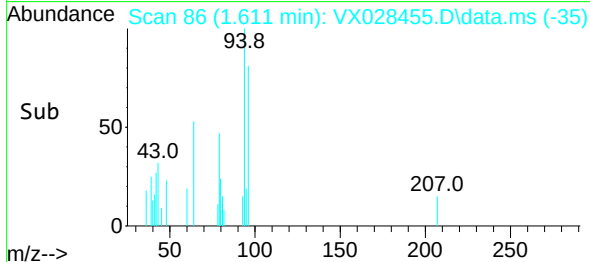
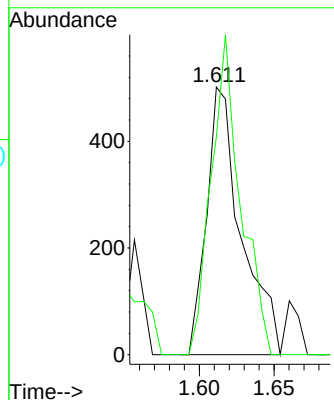
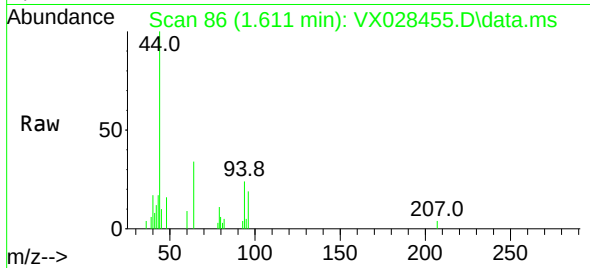




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

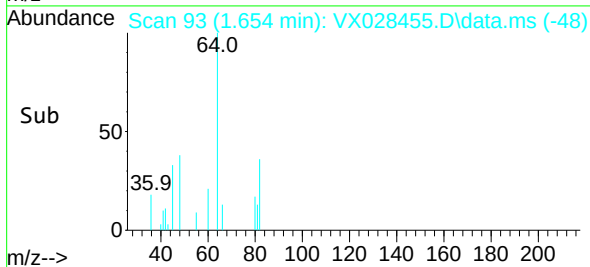
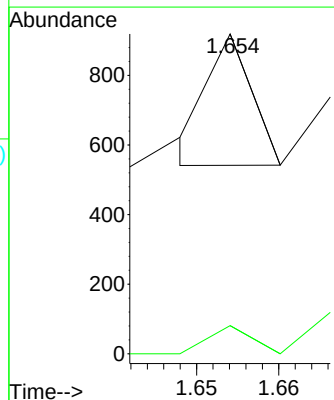
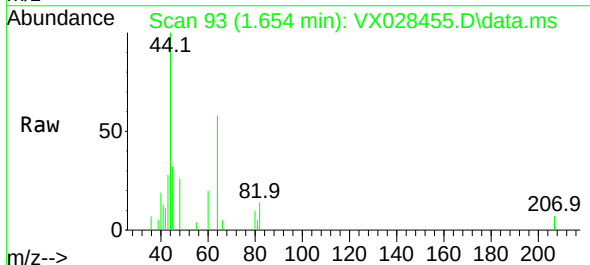
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#10

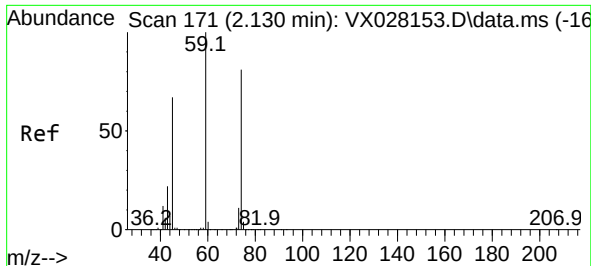
Tgt Ion: 94 Resp: 809
Ion Ratio Lower Upper
94 100
96 81.3 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

Tgt Ion: 64 Resp: 138
Ion Ratio Lower Upper
64 100
66 21.5 25.3 37.9#





#8

Diethyl Ether

Concen: Below Cal

RT: 2.142 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX028455.D

Acq: 30 Apr 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

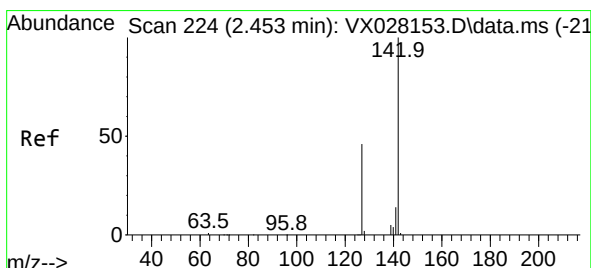
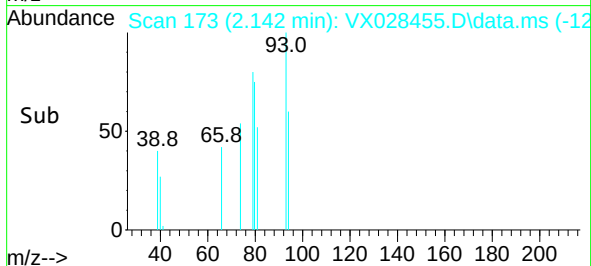
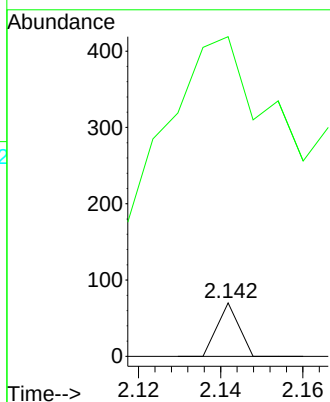
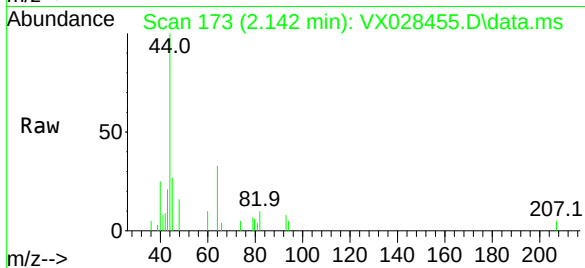
PB144452ZHE#10

Tgt Ion: 74 Resp: 26

Ion Ratio Lower Upper

74 100

45 1542.3 42.0 126.0#



#10

Methyl Iodide

Concen: 5.287 ug/l

RT: 2.459 min Scan# 225

Delta R.T. 0.006 min

Lab File: VX028455.D

Acq: 30 Apr 2022 04:13

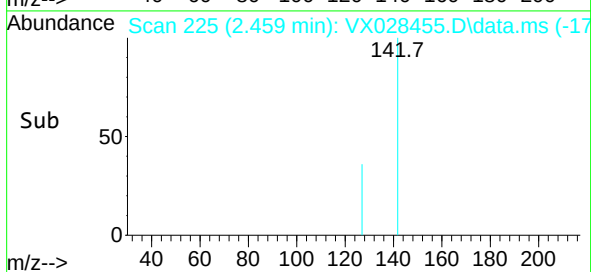
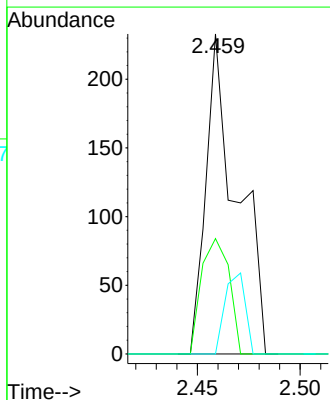
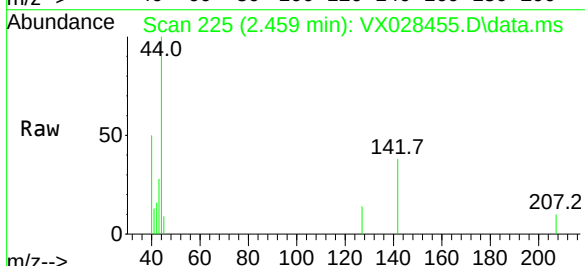
Tgt Ion:142 Resp: 243

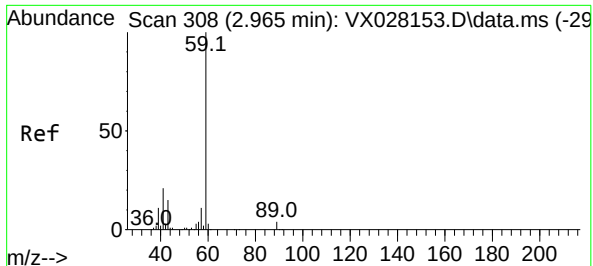
Ion Ratio Lower Upper

142 100

127 32.5 33.9 50.9#

141 16.5 11.4 17.2

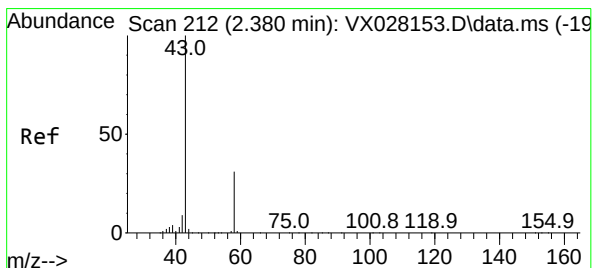
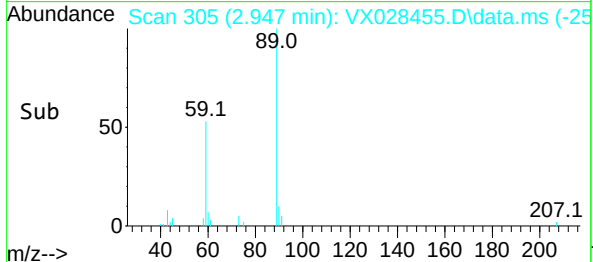
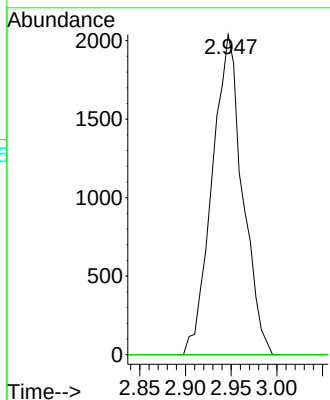
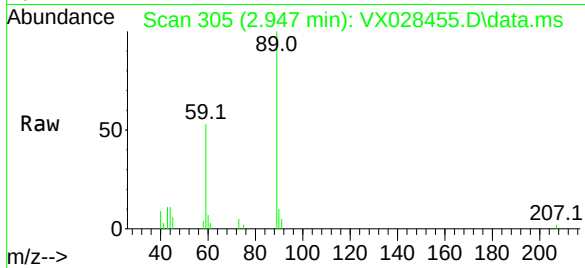




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 30
Delta R.T. -0.018 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

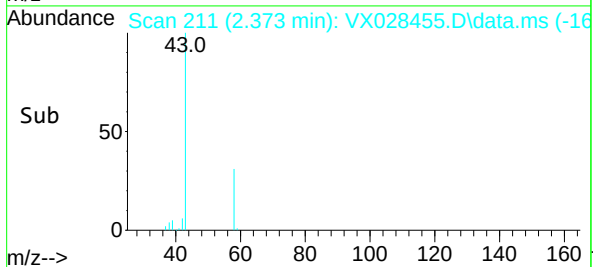
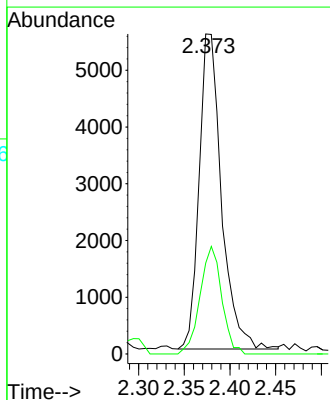
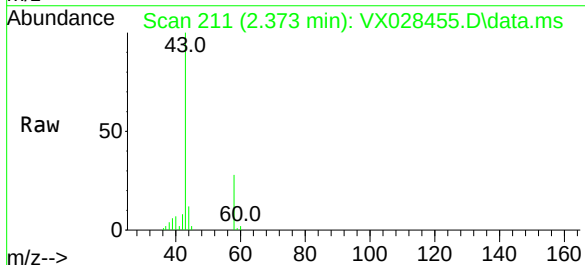
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#10

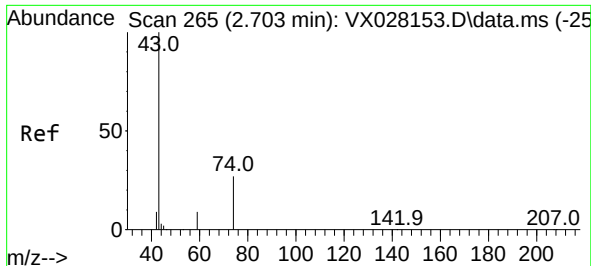
Tgt Ion: 59 Resp: 4730
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 4.931 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

Tgt Ion: 43 Resp: 9444
Ion Ratio Lower Upper
43 100
58 28.8 28.8 43.2





#18

Methyl Acetate

Concen: 0.576 ug/l

RT: 2.709 min Scan# 2

Delta R.T. 0.006 min

Lab File: VX028455.D

Acq: 30 Apr 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

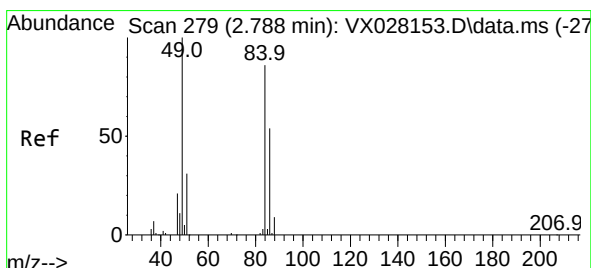
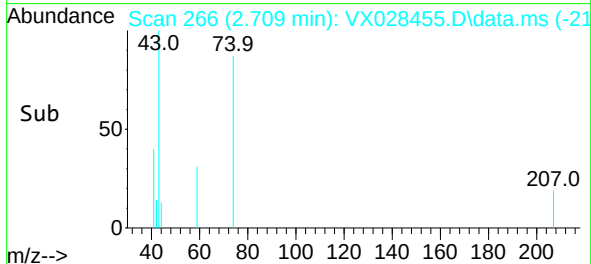
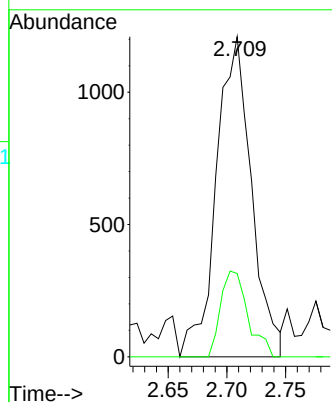
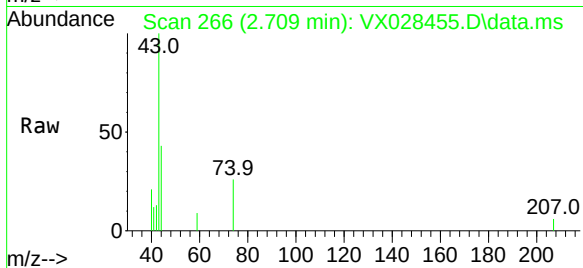
PB144452ZHE#10

Tgt Ion: 43 Resp: 2513

Ion Ratio Lower Upper

43 100

74 20.8 22.8 34.2#



#20

Methylene Chloride

Concen: 1.879 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX028455.D

Acq: 30 Apr 2022 04:13

Tgt Ion: 84 Resp: 6842

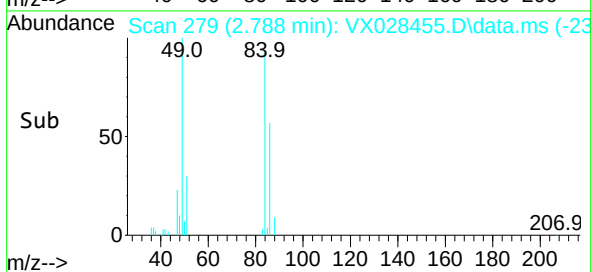
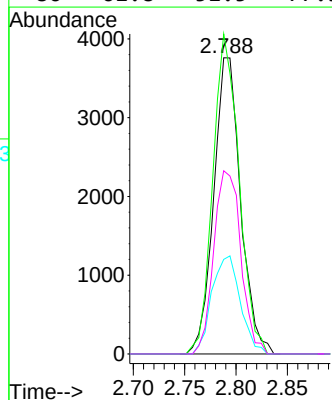
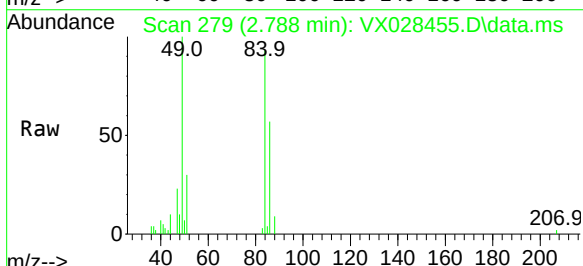
Ion Ratio Lower Upper

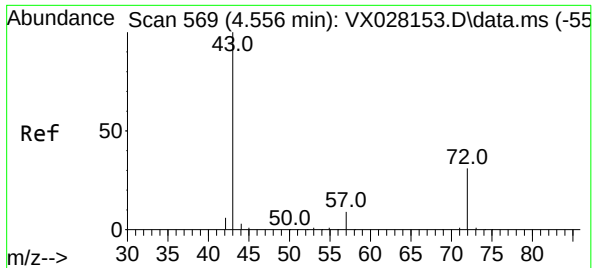
84 100

49 108.0 85.5 128.3

51 31.9 26.6 39.8

86 61.8 51.5 77.3

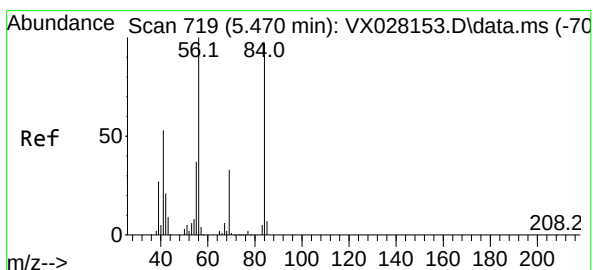
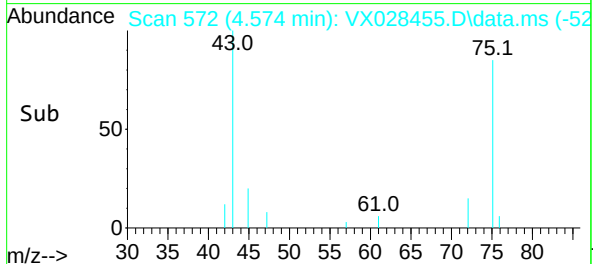
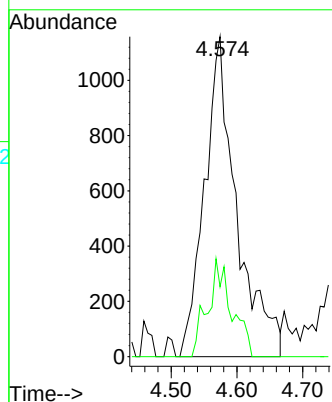
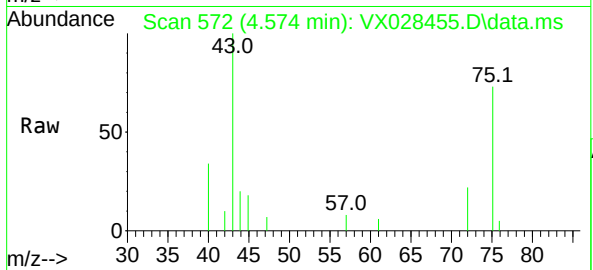




#25
2-Butanone
Concen: 1.356 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

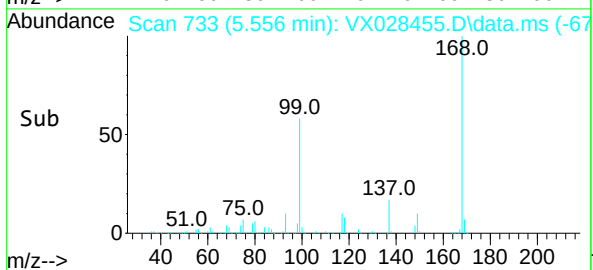
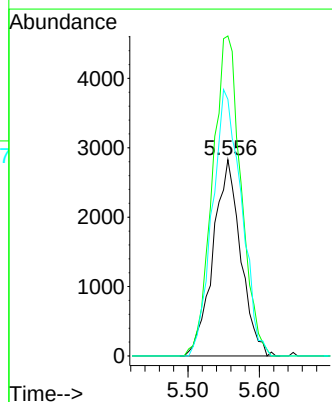
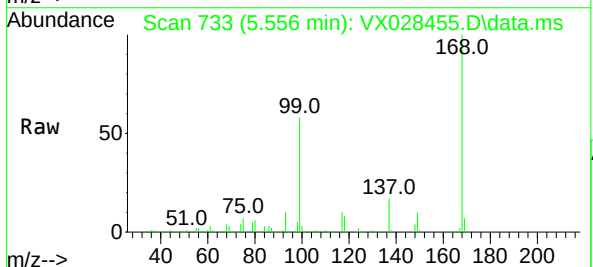
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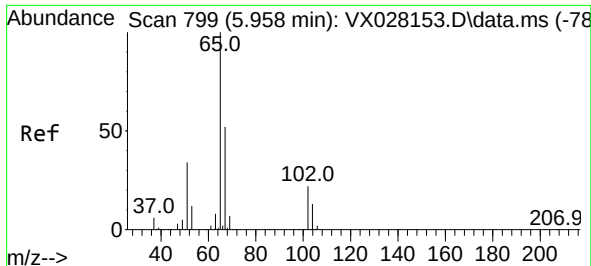
Tgt Ion: 43 Resp: 3942
Ion Ratio Lower Upper
43 100
72 21.8 24.4 36.6#



#31
Cyclohexane
Concen: 1.268 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

Tgt Ion: 56 Resp: 7581
Ion Ratio Lower Upper
56 100
69 163.0 26.7 40.1#
84 130.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 58.498 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028455.D

Acq: 30 Apr 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

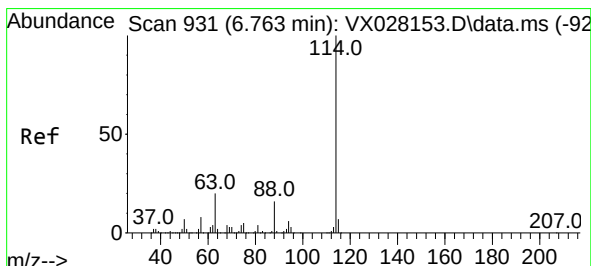
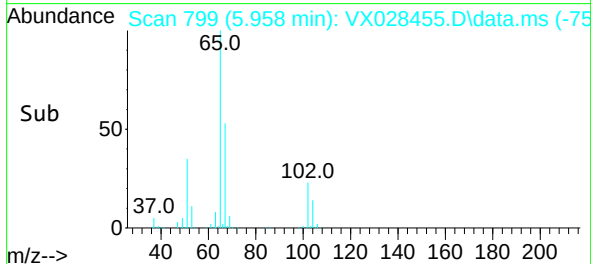
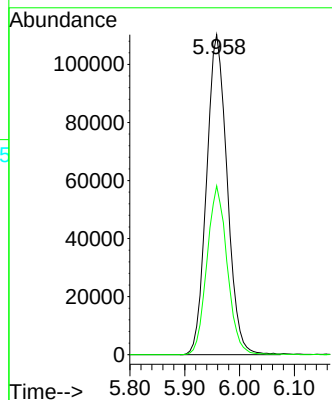
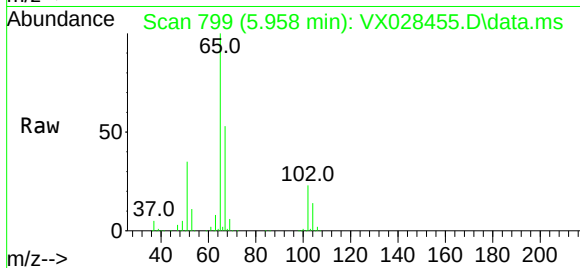
PB144452ZHE#10

Tgt Ion: 65 Resp: 287120

Ion Ratio Lower Upper

65 100

67 51.9 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: VX028455.D

Acq: 30 Apr 2022 04:13

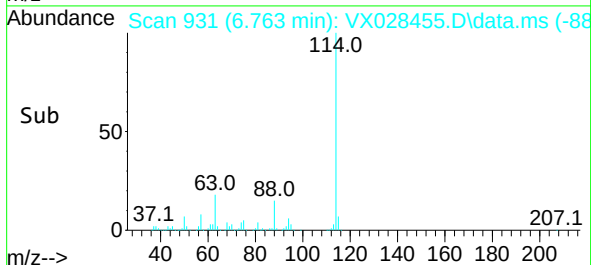
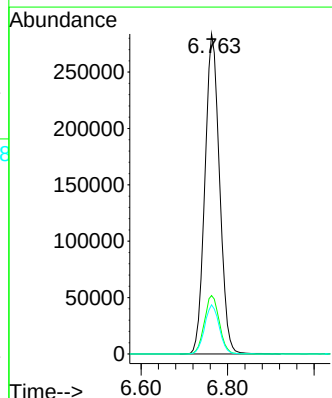
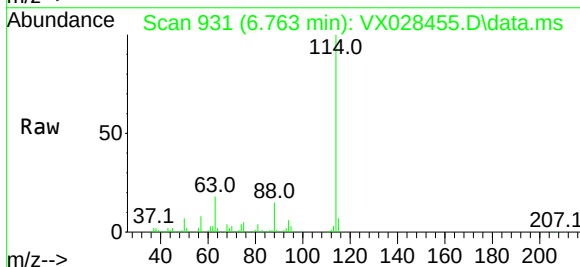
Tgt Ion: 114 Resp: 665644

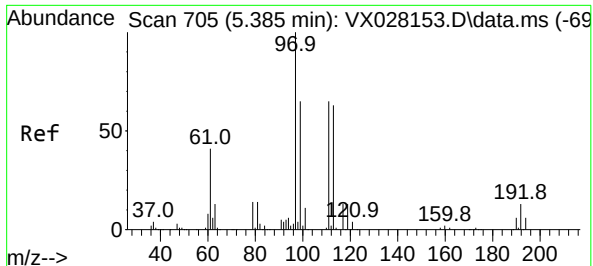
Ion Ratio Lower Upper

114 100

63 18.3 0.0 36.8

88 15.3 0.0 32.4

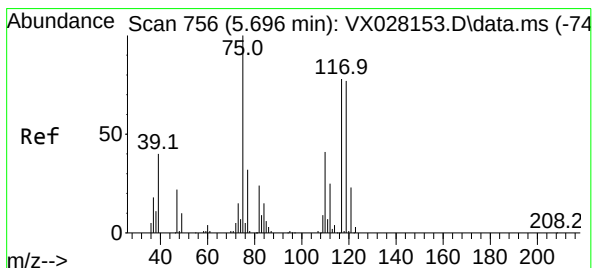
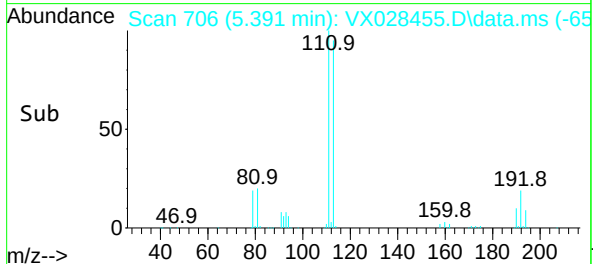
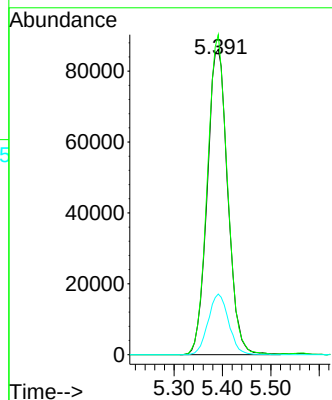
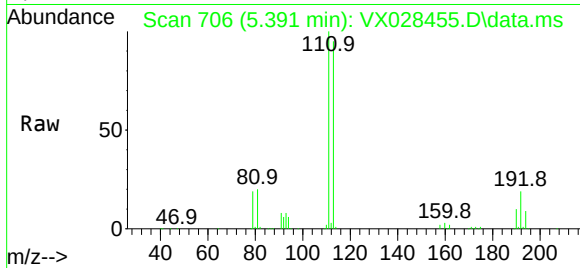




#35
Dibromofluoromethane
Concen: 54.479 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

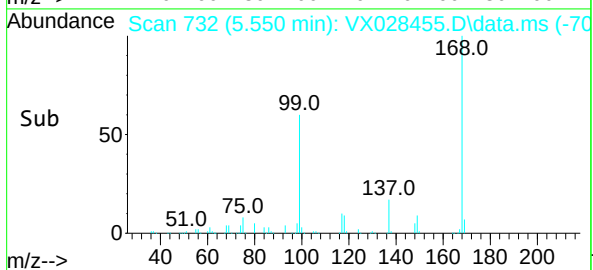
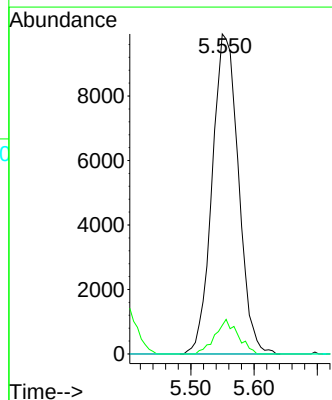
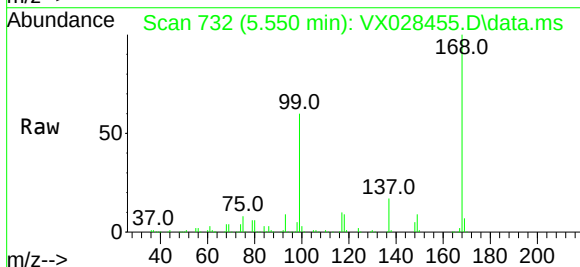
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#10

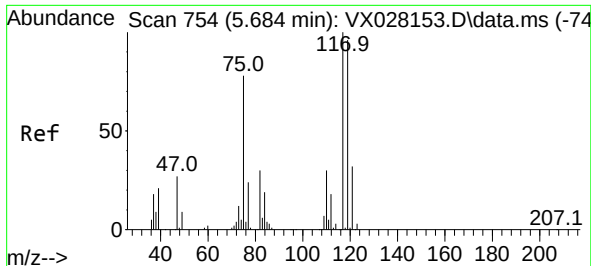
Tgt Ion:113 Resp: 254312
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 19.8 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.696 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

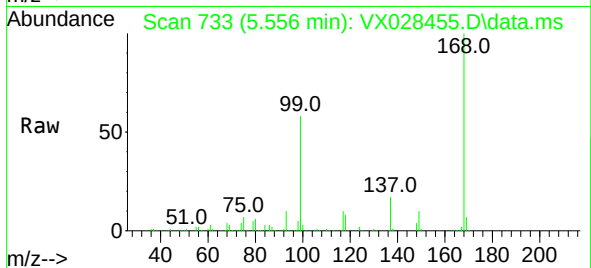
Tgt Ion: 75 Resp: 28594
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



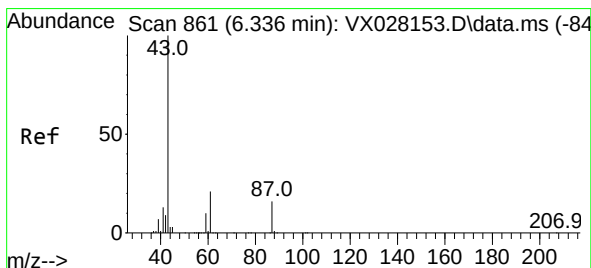
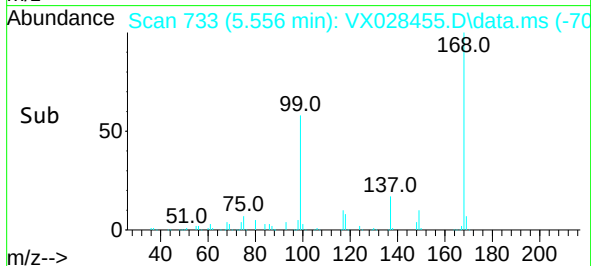
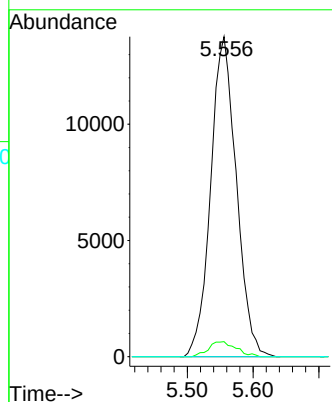


#38
Carbon Tetrachloride
Concen: 5.443 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#10

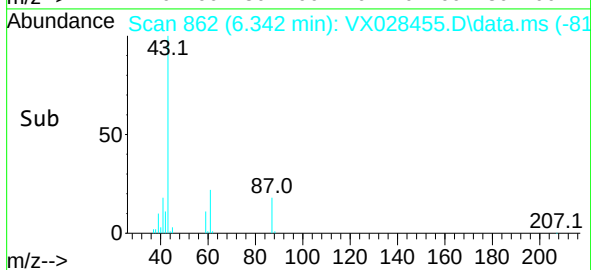
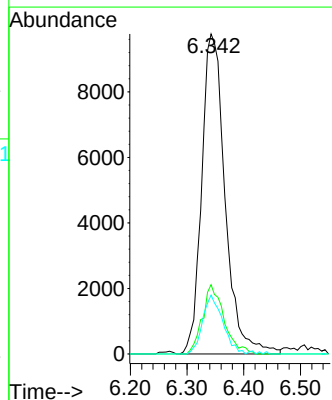
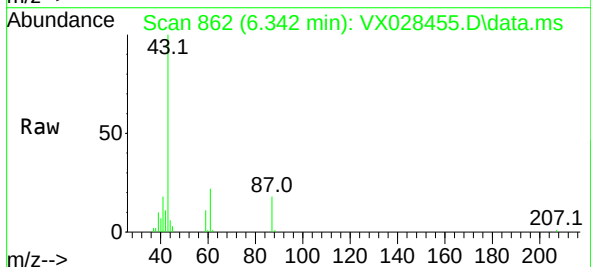


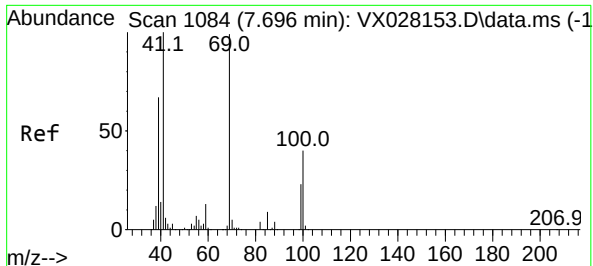
Tgt Ion: 117 Resp: 37414
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.787 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

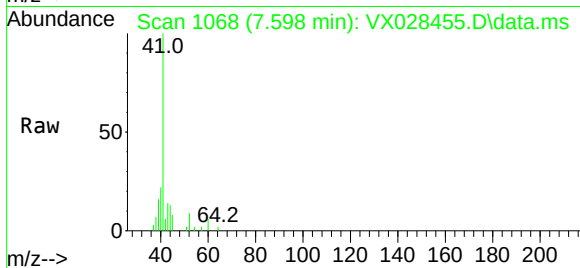
Tgt Ion: 43 Resp: 28022
Ion Ratio Lower Upper
43 100
61 20.0 18.5 27.7
87 15.8 13.0 19.6



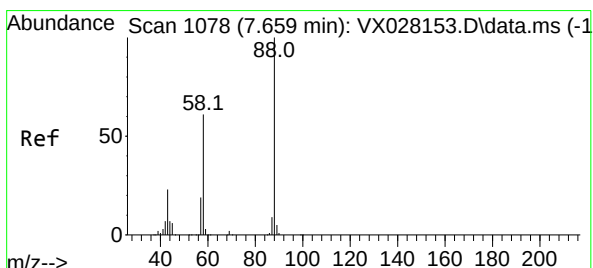
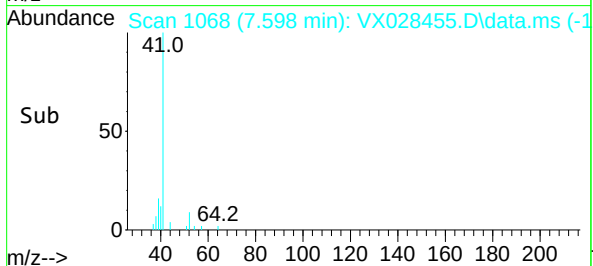
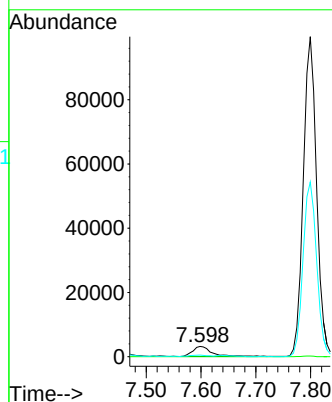


#48
Methyl methacrylate
Concen: 1.655 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#10

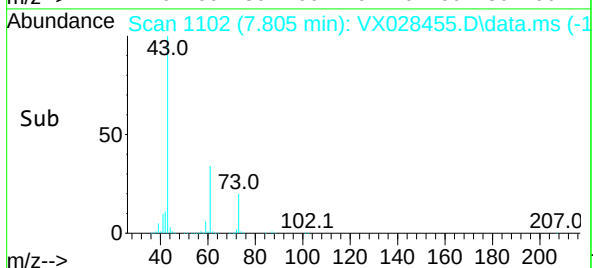
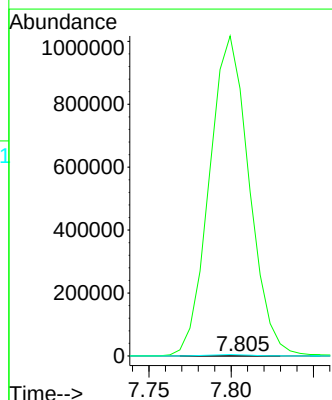
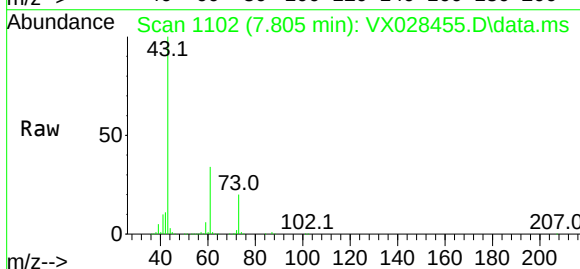


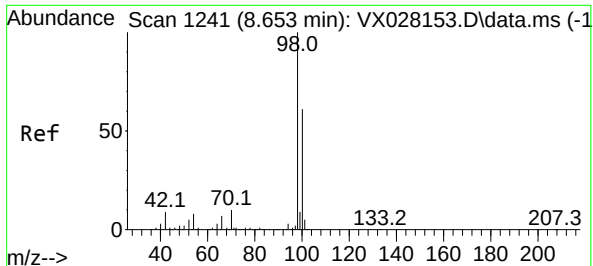
Tgt Ion: 41 Resp: 7639
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.109 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

Tgt Ion: 88 Resp: 384
Ion Ratio Lower Upper
88 100
43 449340.1 21.9 32.9#
58 2045.3 53.7 80.5#

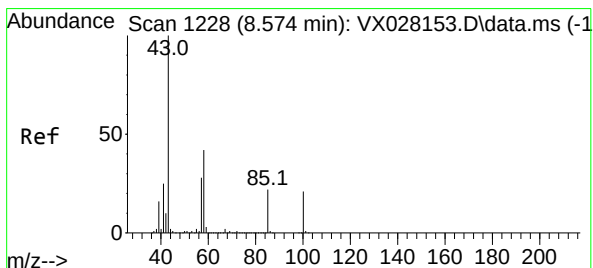
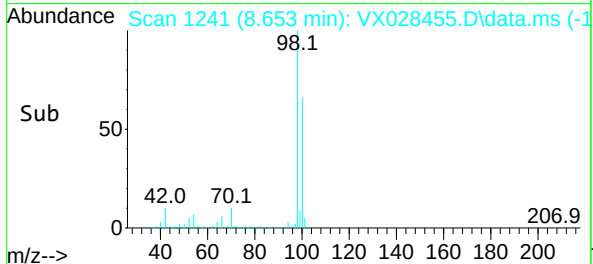
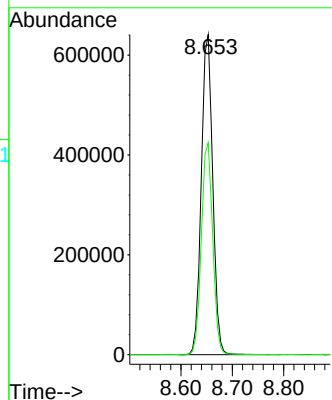
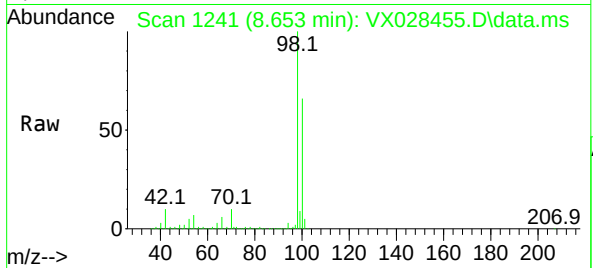




#50
Toluene-d8
Concen: 55.071 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

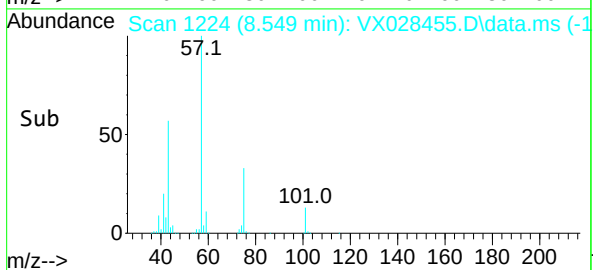
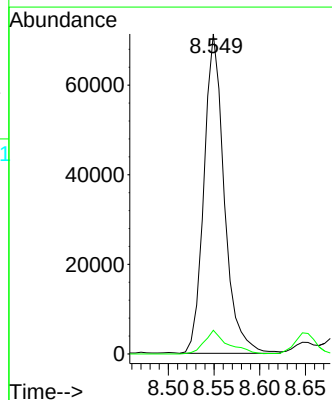
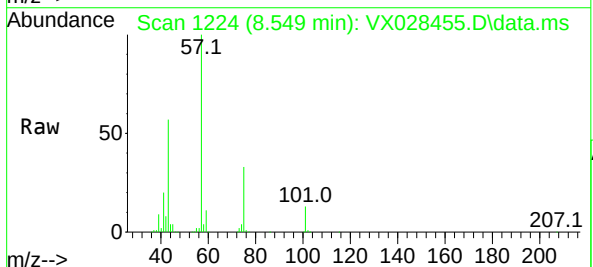
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#10

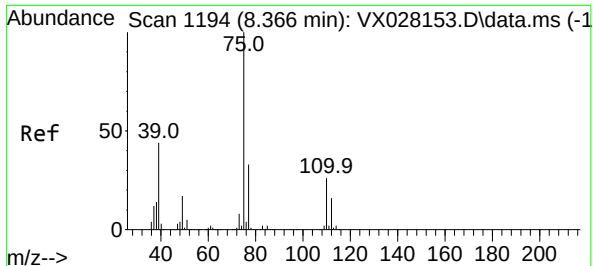
Tgt Ion: 98 Resp: 987380
Ion Ratio Lower Upper
98 100
100 66.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.085 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028455.D
Acq: 30 Apr 2022 04:13

Tgt Ion: 43 Resp: 110244
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#

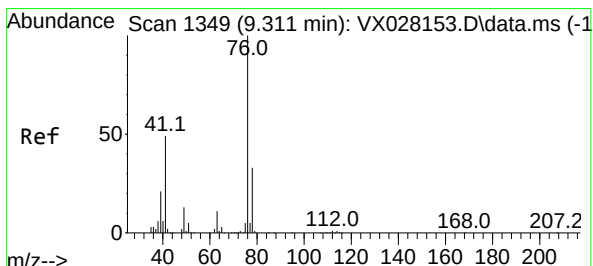
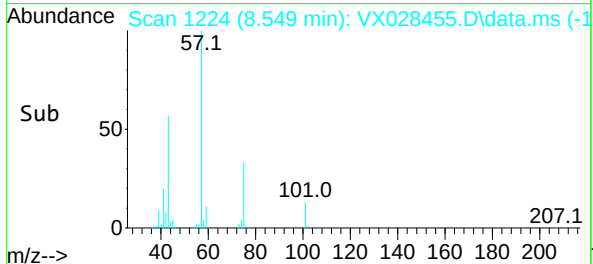
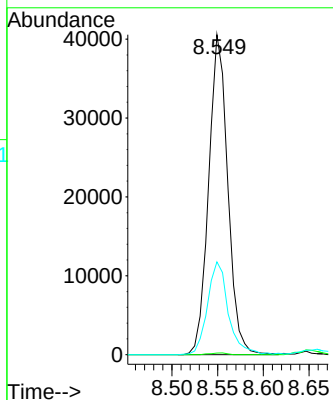
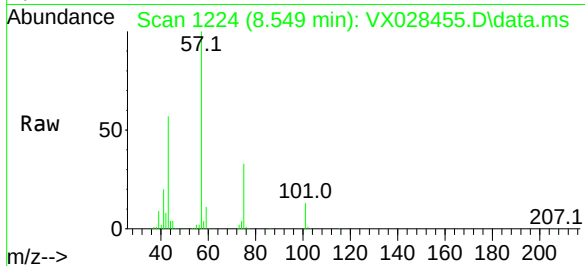




#54
 cis-1,3-Dichloropropene
 Concen: 7.851 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028455.D
 Acq: 30 Apr 2022 04:13

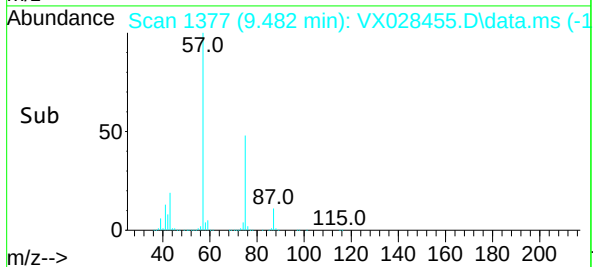
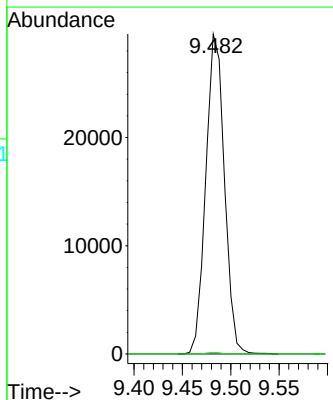
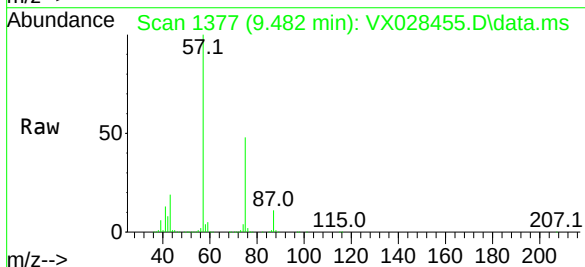
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#10

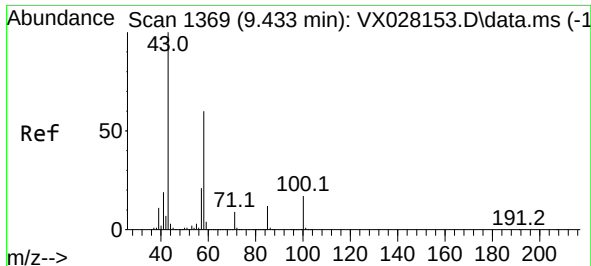
Tgt Ion: 75 Resp: 58940
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 29.0 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.879 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028455.D
 Acq: 30 Apr 2022 04:13

Tgt Ion: 76 Resp: 39618
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#





#59

2-Hexanone

Concen: 85.270 ug/l

RT: 9.482 min Scan# 11

Delta R.T. 0.049 min

Lab File: VX028455.D

Acq: 30 Apr 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

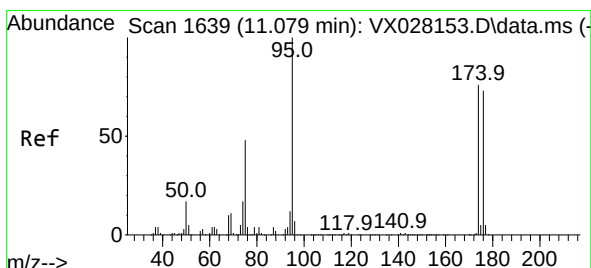
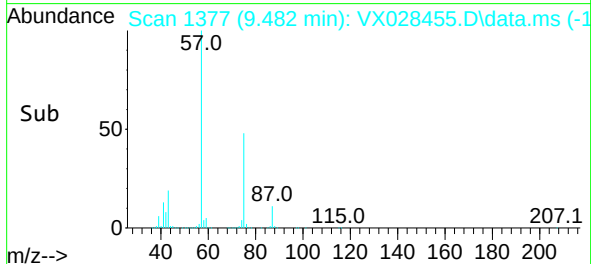
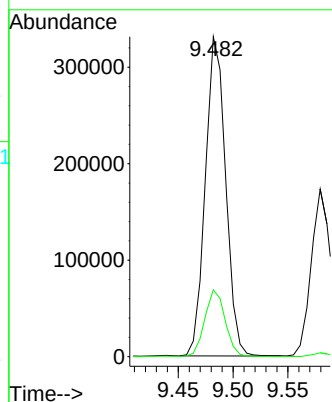
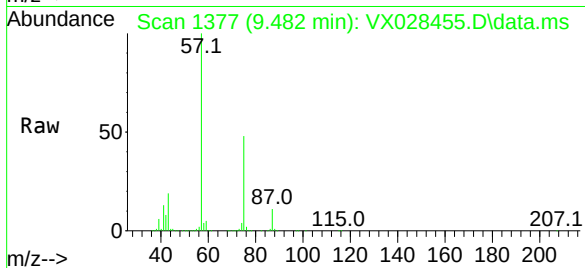
PB144452ZHE#10

Tgt Ion: 43 Resp: 426216

Ion Ratio Lower Upper

43 100

58 20.9 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 52.062 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028455.D

Acq: 30 Apr 2022 04:13

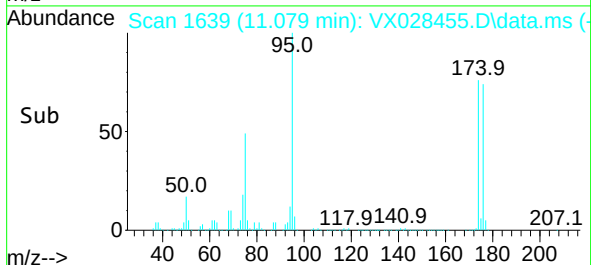
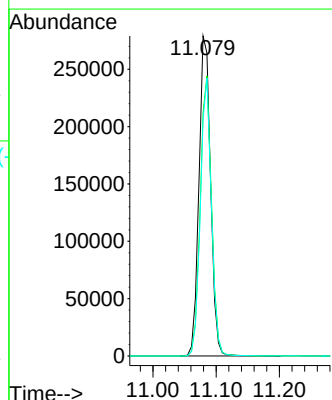
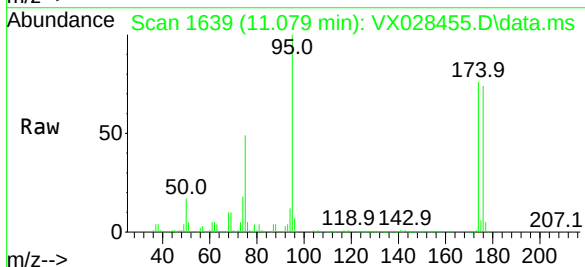
Tgt Ion: 95 Resp: 356906

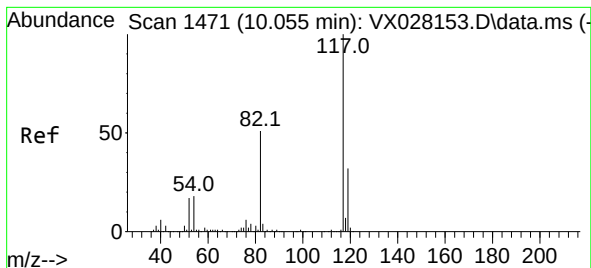
Ion Ratio Lower Upper

95 100

174 85.0 0.0 163.0

176 82.7 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: VX028455.D

Acq: 30 Apr 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#10

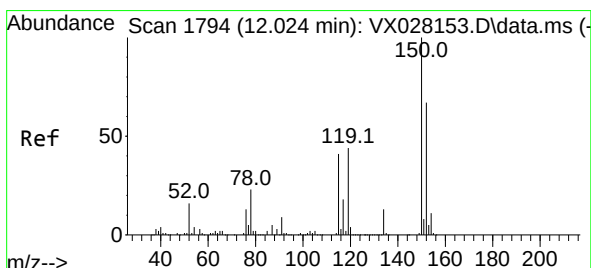
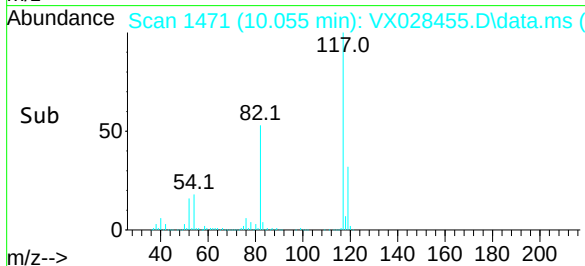
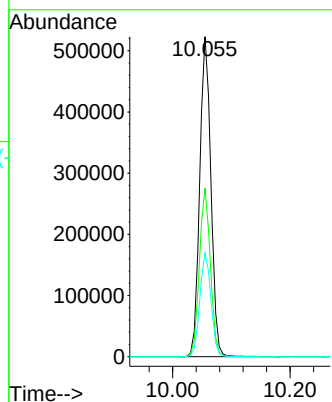
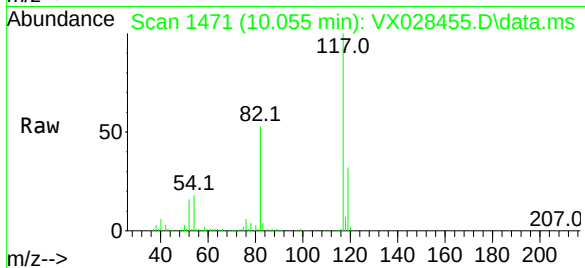
Tgt Ion:117 Resp: 689511

Ion Ratio Lower Upper

117 100

82 52.7 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# 1794

Delta R.T. 0.000 min

Lab File: VX028455.D

Acq: 30 Apr 2022 04:13

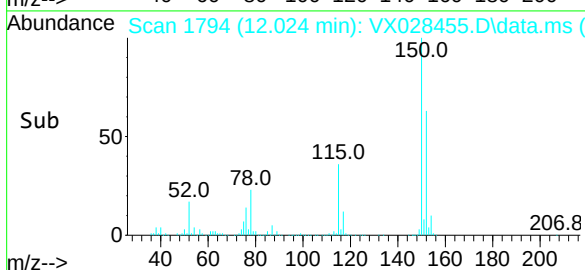
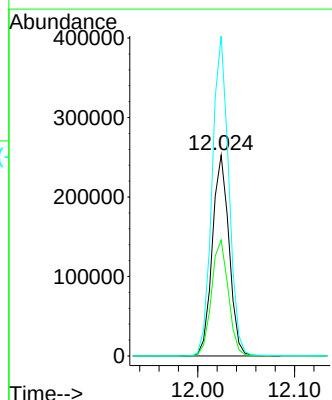
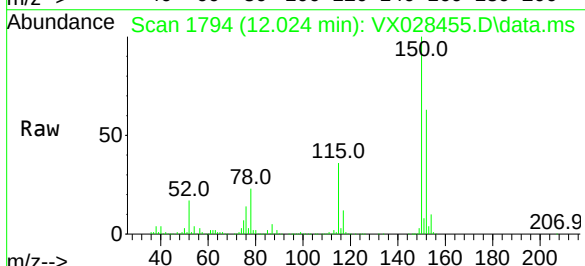
Tgt Ion:152 Resp: 304055

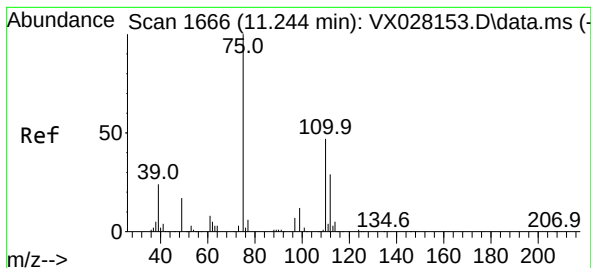
Ion Ratio Lower Upper

152 100

115 57.9 37.5 112.7

150 158.7 0.0 338.2





#76

1,2,3-Trichloropropane

Concen: 29.372 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX028455.D

Acq: 30 Apr 2022 04:13

Instrument :

MSVOA_X

ClientSampleId :

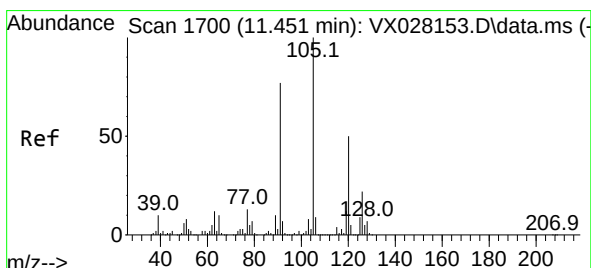
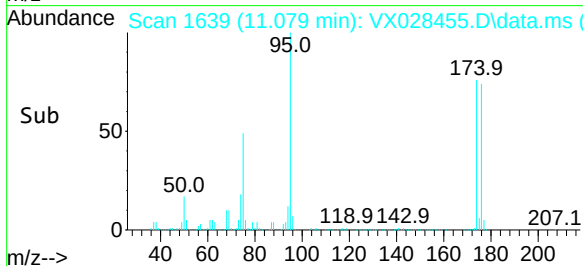
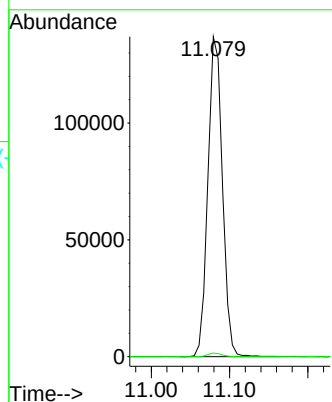
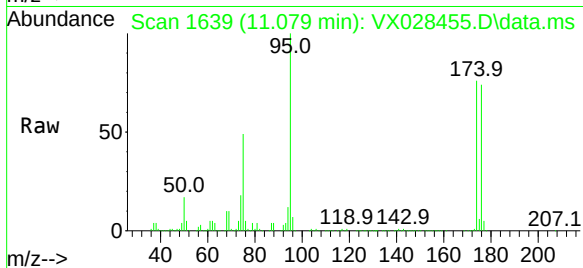
PB144452ZHE#10

Tgt Ion: 75 Resp: 175761

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.226 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX028455.D

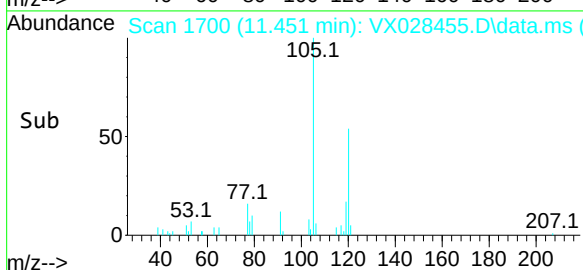
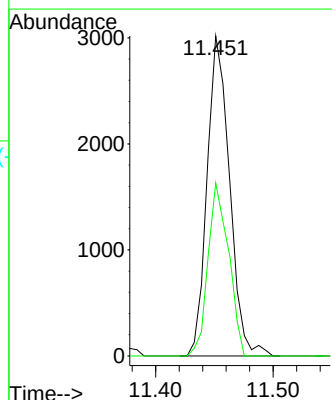
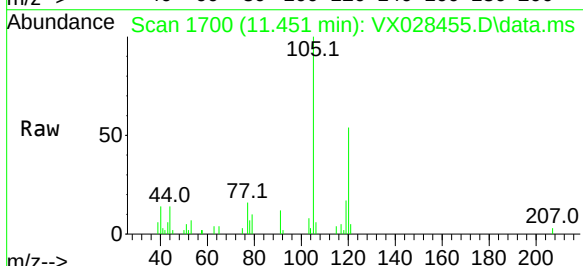
Acq: 30 Apr 2022 04:13

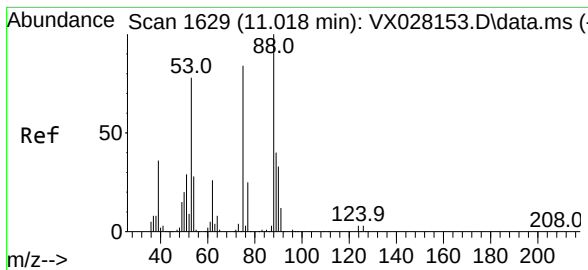
Tgt Ion: 105 Resp: 4016

Ion Ratio Lower Upper

105 100

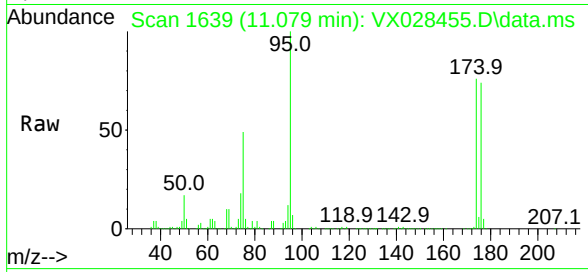
120 49.5 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.285 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028455.D
 Acq: 30 Apr 2022 04:13

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#10



Tgt Ion: 75 Resp: 175761
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

