

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028178.D
 Acq On : 19 Apr 2022 22:49
 Operator : JC/MD
 Sample : PB144164ZHE#08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#08

Quant Time: Apr 20 08:20:17 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)

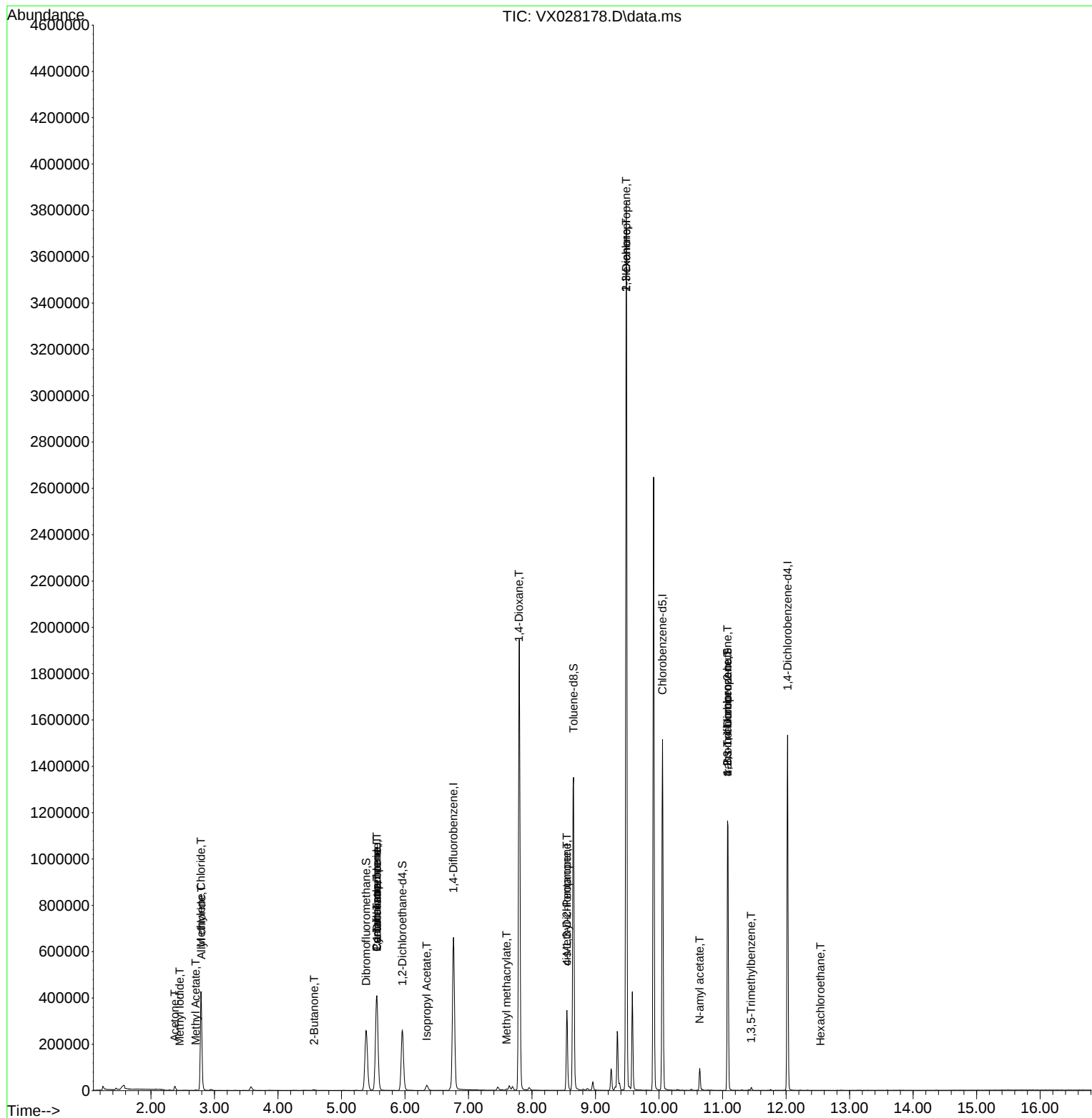
Internal Standards						
1) Pentafluorobenzene	5.556	168	401930	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	689274	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	694882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	317568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	248207	47.361	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.720%		
35) Dibromofluoromethane	5.385	113	223597	46.257	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.520%		
50) Toluene-d8	8.653	98	832935	44.864	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.720%		
62) 4-Bromofluorobenzene	11.079	95	311385	43.865	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.720%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	511	Below Cal	#	83
5) Bromomethane	1.605	94	1109	Below Cal	#	73
6) Chloroethane	1.642	64	597	Below Cal	#	43
8) Diethyl Ether	2.136	74	146	Below Cal	#	1
10) Methyl Iodide	2.453	142	566	5.348	ug/l #	64
11) Tert butyl alcohol	2.940	59	2777	Below Cal	#	72
14) Allyl chloride	2.794	41	5612	1.083	ug/l #	28
16) Acetone	2.373	43	18654	10.315	ug/l	95
18) Methyl Acetate	2.703	43	2506	0.538	ug/l	98
20) Methylene Chloride	2.788	84	191109	49.147	ug/l	99
25) 2-Butanone	4.568	43	4831	1.557	ug/l #	79
31) Cyclohexane	5.556	56	7852	1.230	ug/l #	9
36) 1,1-Dichloropropene	5.556	75	29027	4.604	ug/l #	50
38) Carbon Tetrachloride	5.556	117	39698	5.577	ug/l #	15
43) Isopropyl Acetate	6.342	43	30767	2.955	ug/l	97
48) Methyl methacrylate	7.598	41	7573	1.584	ug/l #	7
49) 1,4-Dioxane	7.793	88	354	2.768	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	110755	16.575	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	59449	7.648	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	36933	4.392	ug/l #	44
59) 2-Hexanone	9.482	43	419444	81.038	ug/l #	44
74) N-amyl acetate	10.640	43	20893	2.769	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	156033	24.966	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	5271	0.284	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	156033	74.191	ug/l #	15
90) Hexachloroethane	12.542	117	23	1.820	ug/l #	10

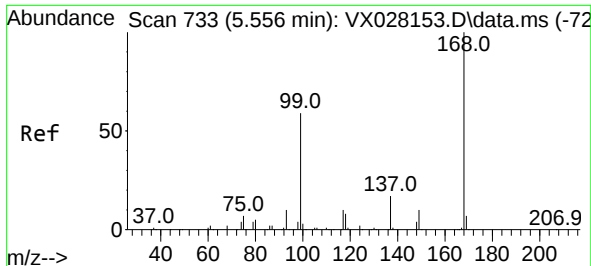
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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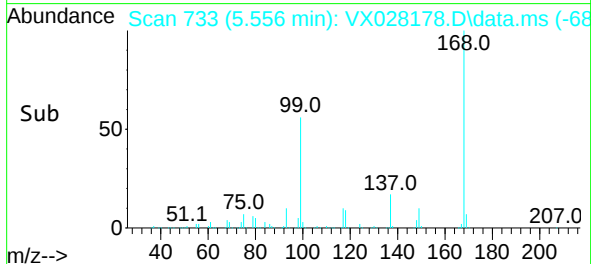
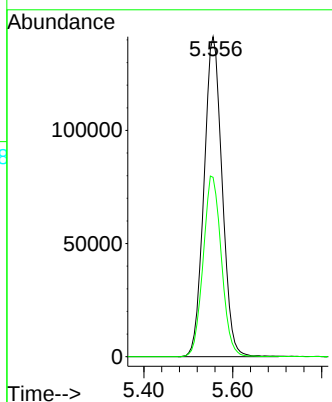
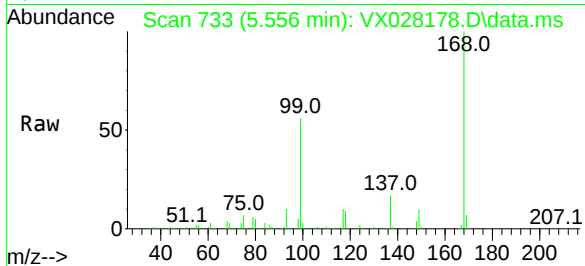




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

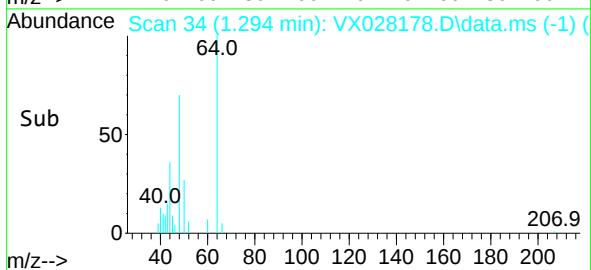
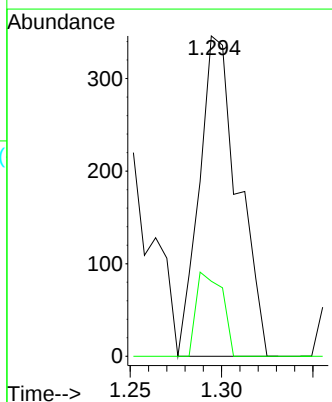
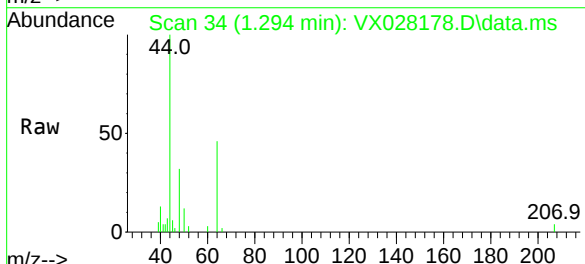
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

Tgt Ion:168 Resp: 401930
Ion Ratio Lower Upper
168 100
99 56.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 50 Resp: 511
Ion Ratio Lower Upper
50 100
52 23.4 26.4 39.6#





#5

Bromomethane

Concen: Below Cal

RT: 1.605 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX028178.D

Acq: 19 Apr 2022 22:49

Instrument :

MSVOA_X

ClientSampleId :

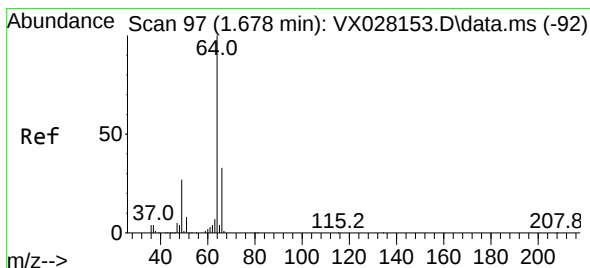
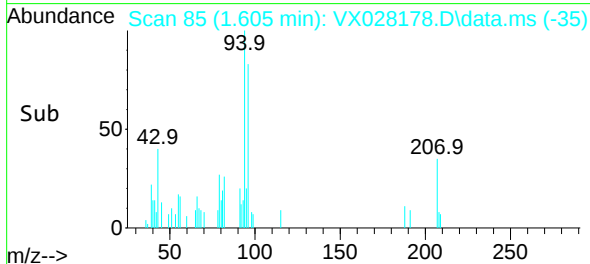
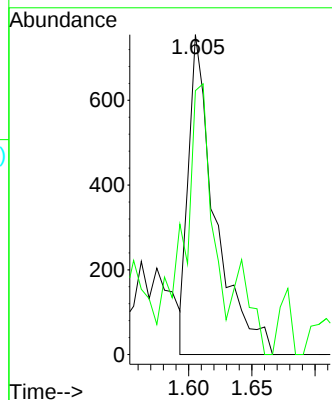
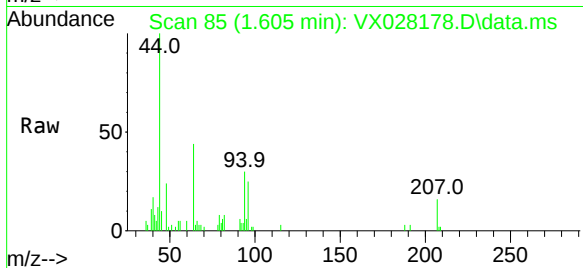
PB144164ZHE#08

Tgt Ion: 94 Resp: 1109

Ion Ratio Lower Upper

94 100

96 67.7 75.3 112.9#



#6

Chloroethane

Concen: Below Cal

RT: 1.642 min Scan# 91

Delta R.T. -0.036 min

Lab File: VX028178.D

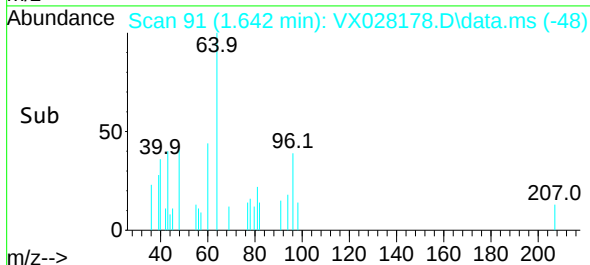
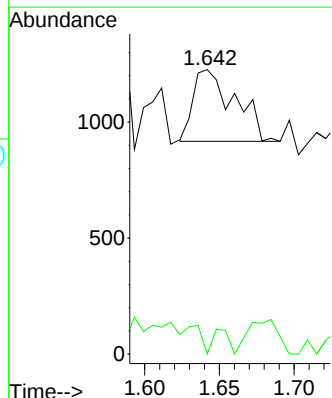
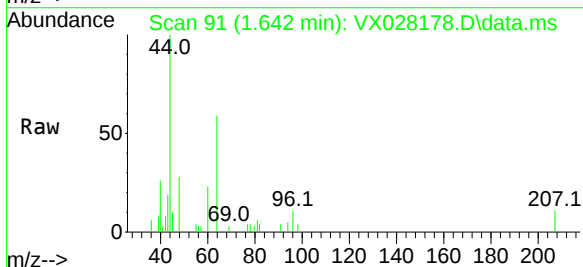
Acq: 19 Apr 2022 22:49

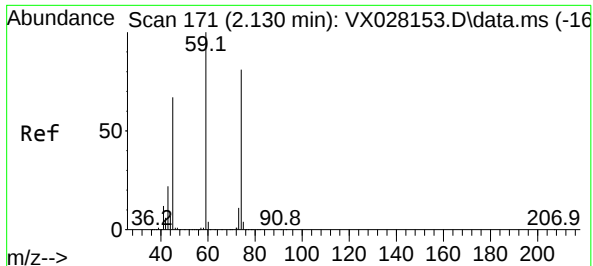
Tgt Ion: 64 Resp: 597

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#

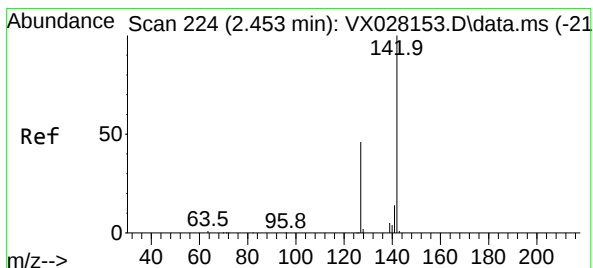
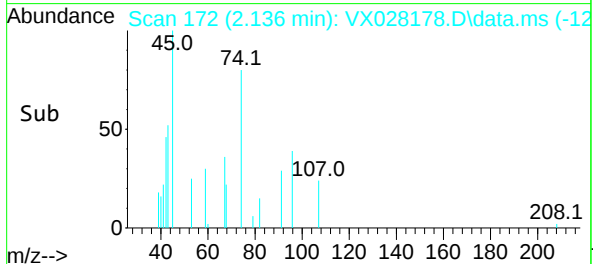
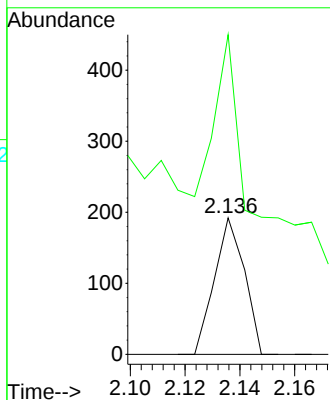
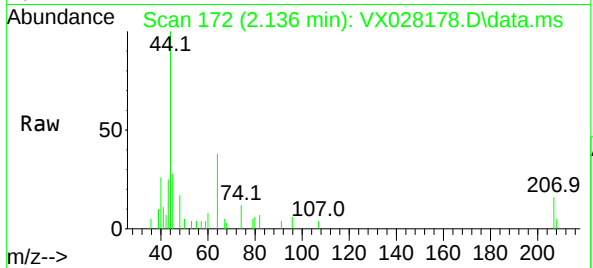




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

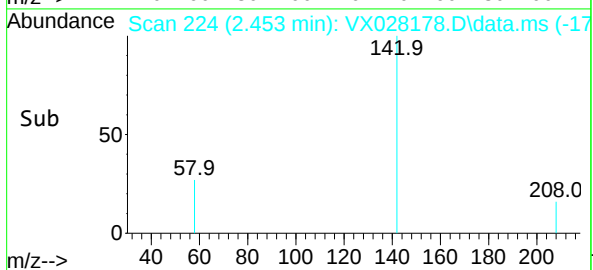
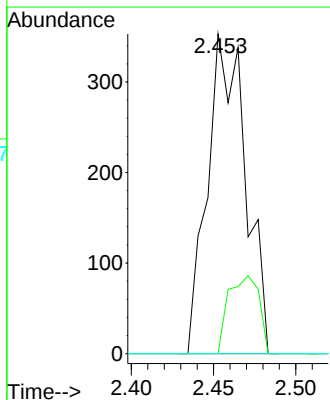
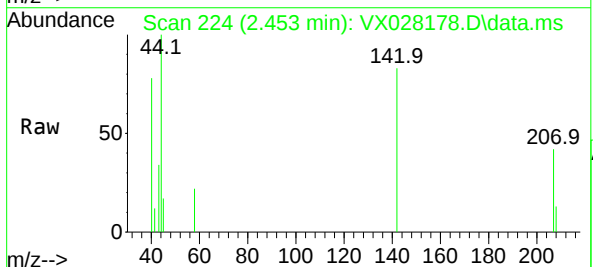
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

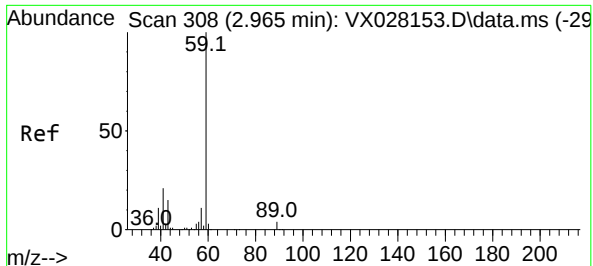
Tgt Ion: 74 Resp: 146
Ion Ratio Lower Upper
74 100
45 240.4 42.0 126.0#



#10
Methyl Iodide
Concen: 5.348 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 142 Resp: 566
Ion Ratio Lower Upper
142 100
127 19.4 33.9 50.9#
141 0.0 11.4 17.2#

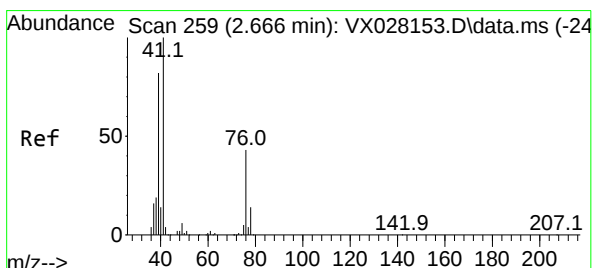
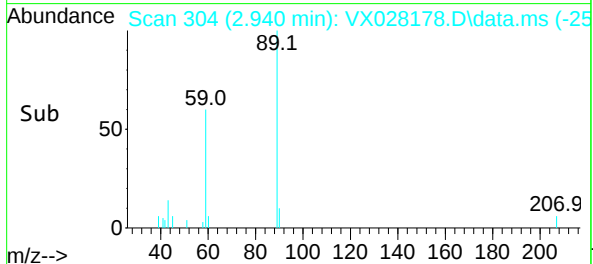
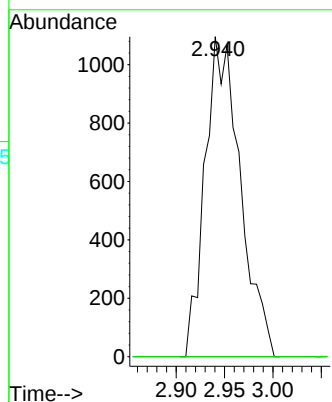
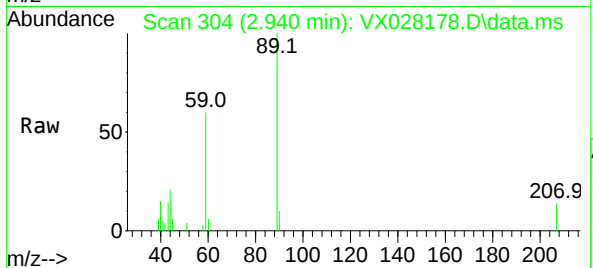




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 308
Delta R.T. -0.025 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

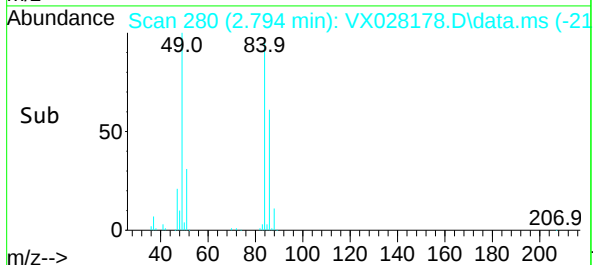
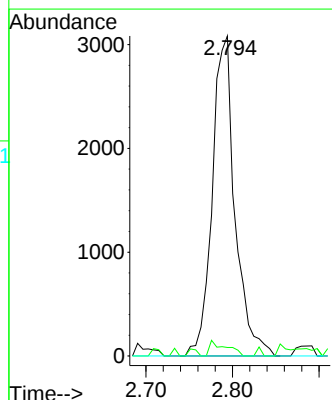
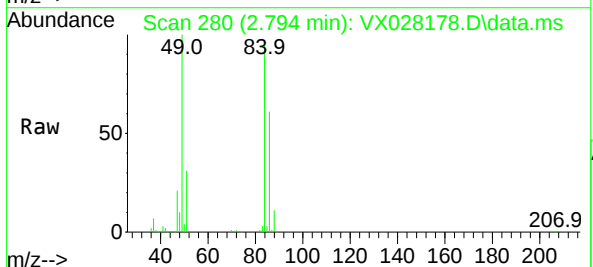
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

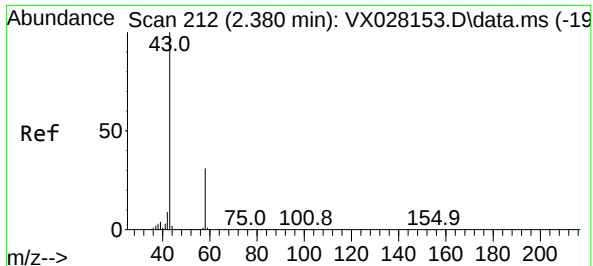
Tgt Ion: 59 Resp: 2777
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 1.083 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.128 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 41 Resp: 5612
Ion Ratio Lower Upper
41 100
39 3.6 50.4 75.6#
76 0.0 32.7 49.1#

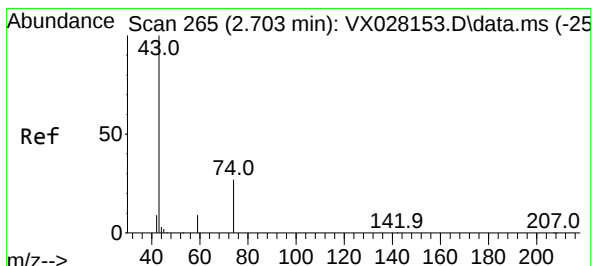
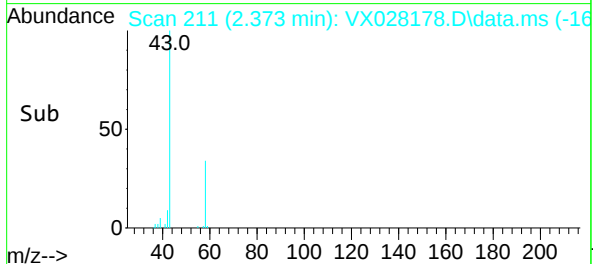
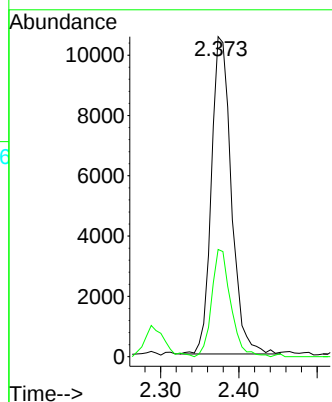
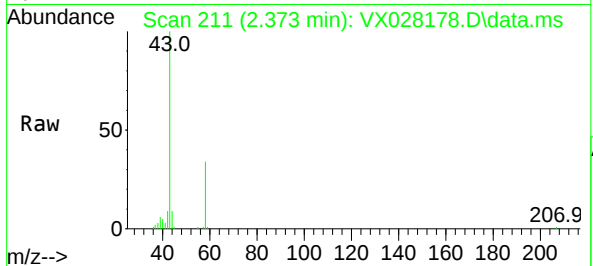




#16
Acetone
Concen: 10.315 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.007 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

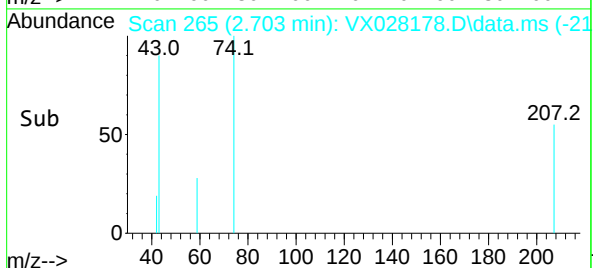
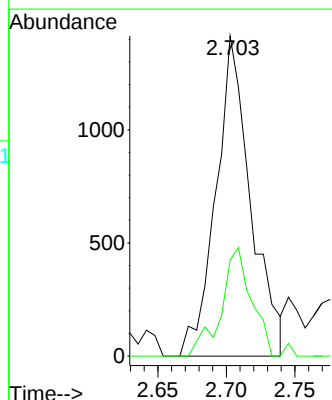
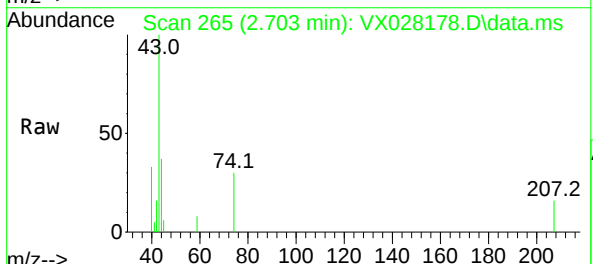
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

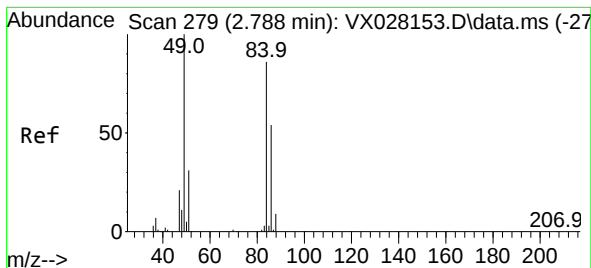
Tgt Ion: 43 Resp: 18654
Ion Ratio Lower Upper
43 100
58 32.9 28.8 43.2



#18
Methyl Acetate
Concen: 0.538 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 43 Resp: 2506
Ion Ratio Lower Upper
43 100
74 29.5 22.8 34.2





#20

Methylene Chloride

Concen: 49.147 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028178.D

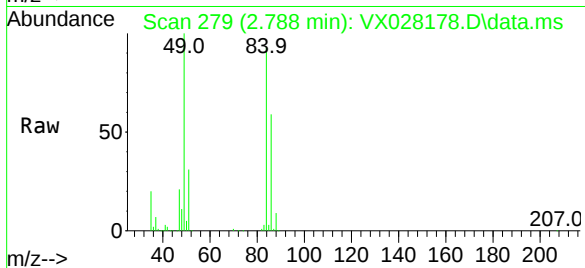
Acq: 19 Apr 2022 22:49

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#08



Tgt Ion: 84 Resp: 191109

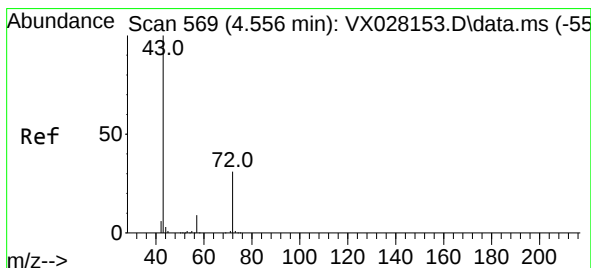
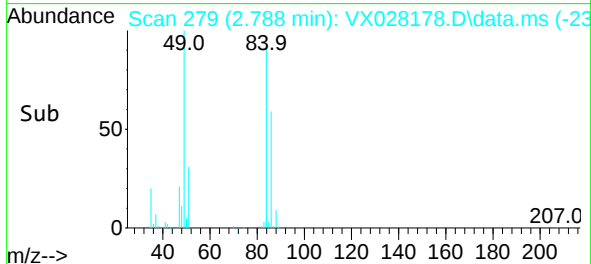
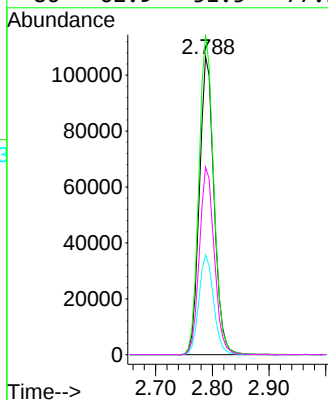
Ion Ratio Lower Upper

84 100

49 107.4 85.5 128.3

51 33.5 26.6 39.8

86 62.9 51.5 77.3



#25

2-Butanone

Concen: 1.557 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX028178.D

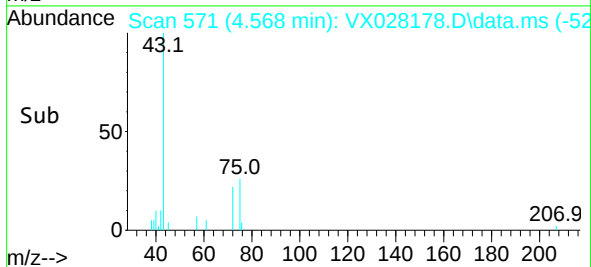
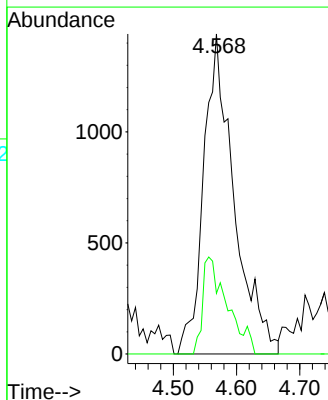
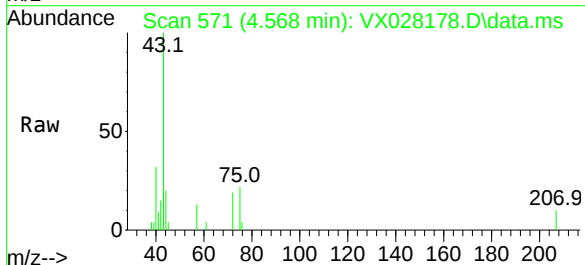
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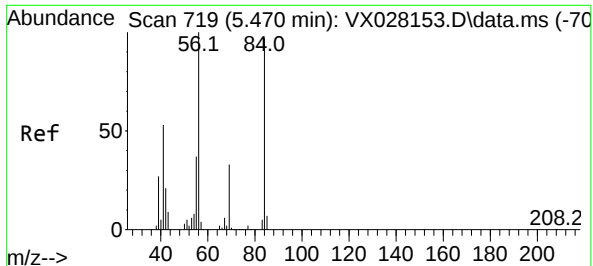
Tgt Ion: 43 Resp: 4831

Ion Ratio Lower Upper

43 100

72 18.9 24.4 36.6#

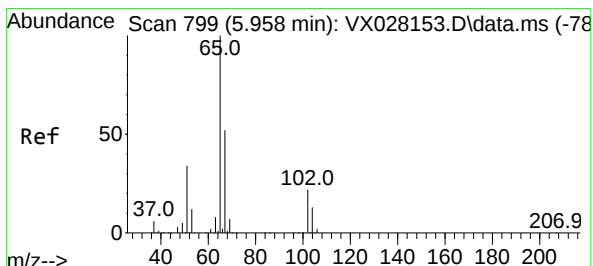
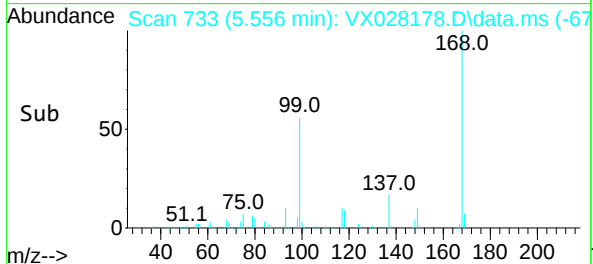
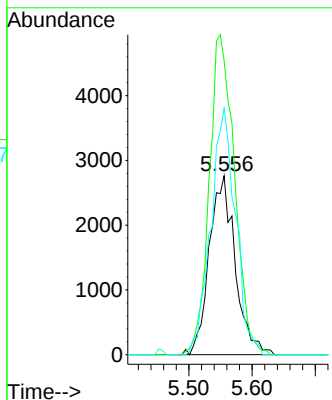
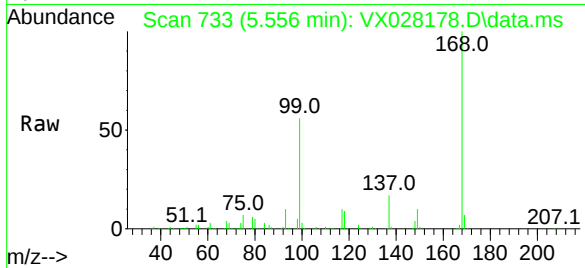




#31
Cyclohexane
Concen: 1.230 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.086 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

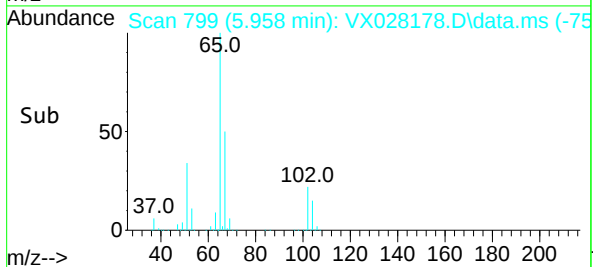
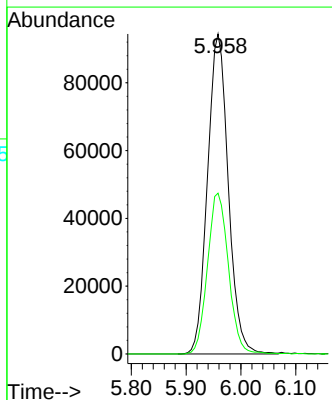
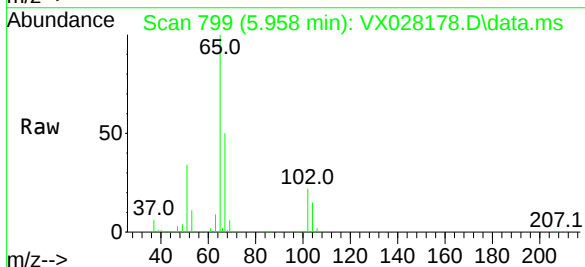
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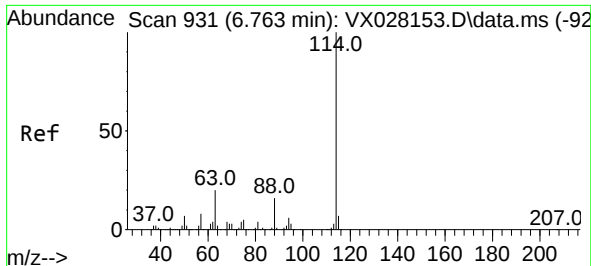
Tgt Ion: 56 Resp: 7852
Ion Ratio Lower Upper
56 100
69 164.5 26.7 40.1#
84 137.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.361 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 65 Resp: 248207
Ion Ratio Lower Upper
65 100
67 50.7 0.0 107.4

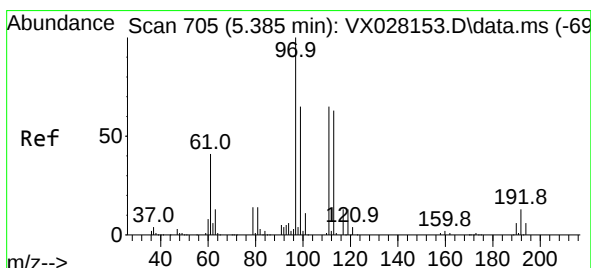
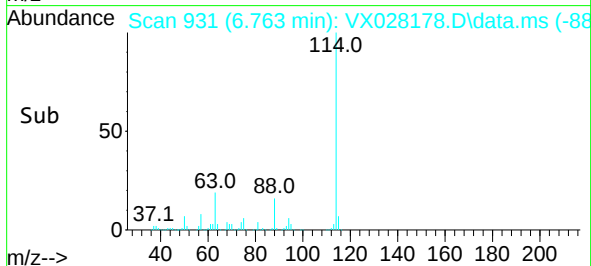
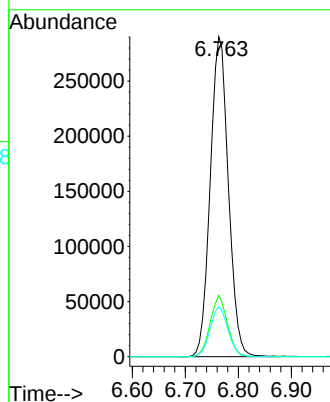
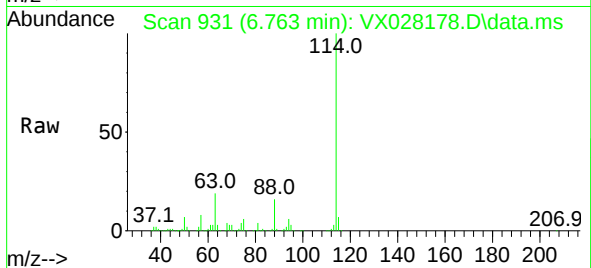




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

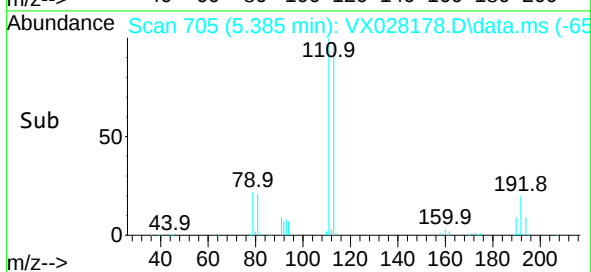
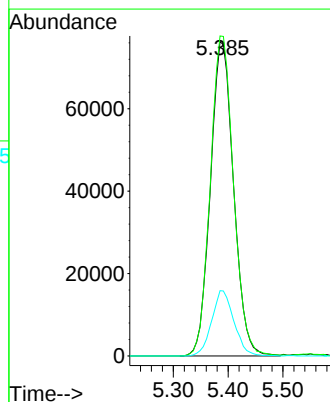
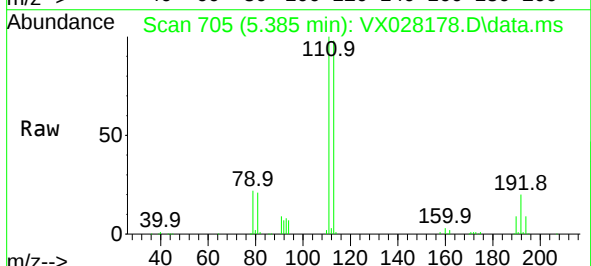
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

Tgt Ion:114 Resp: 689274
Ion Ratio Lower Upper
114 100
63 19.2 0.0 36.8
88 15.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.257 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion:113 Resp: 223597
Ion Ratio Lower Upper
113 100
111 102.1 82.8 124.2
192 20.0 16.9 25.3

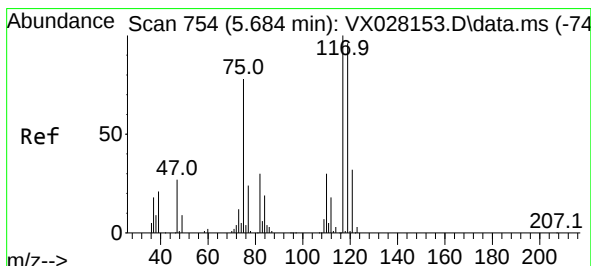
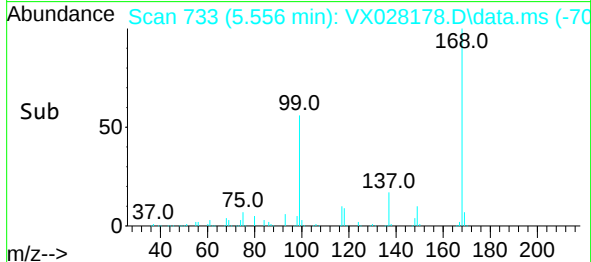
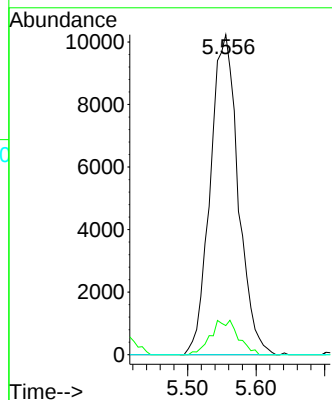
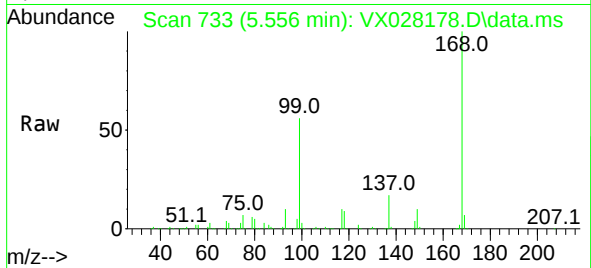




#36
1,1-Dichloropropene
Concen: 4.604 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

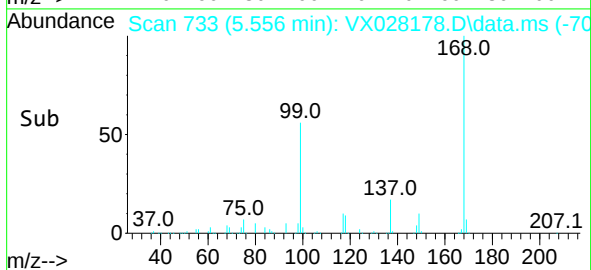
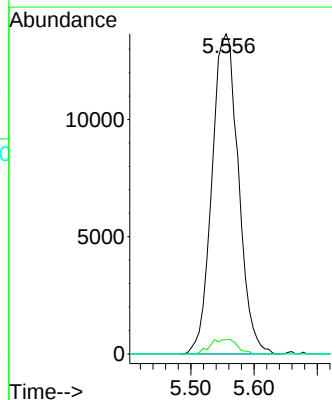
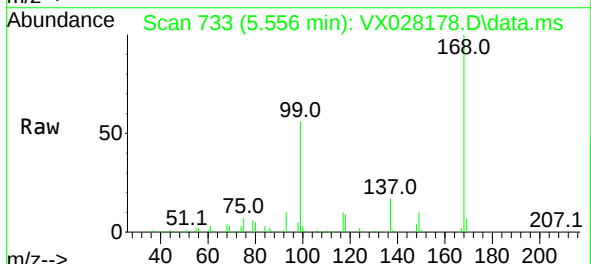
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

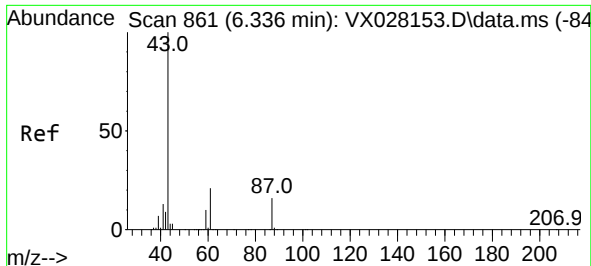
Tgt Ion: 75 Resp: 29027
Ion Ratio Lower Upper
75 100
110 10.6 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.577 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 117 Resp: 39698
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#

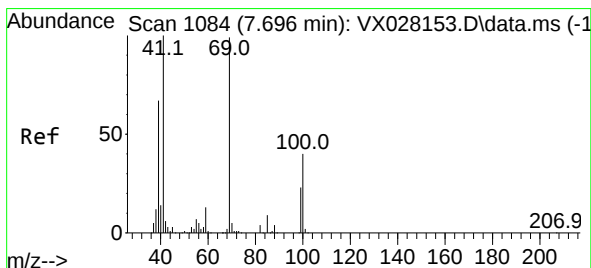
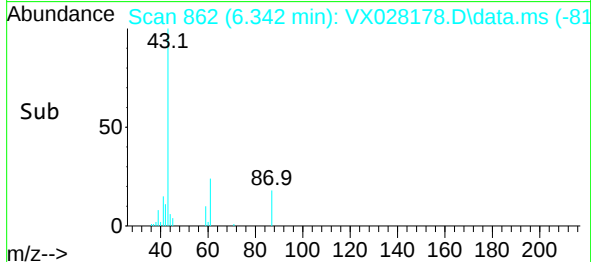
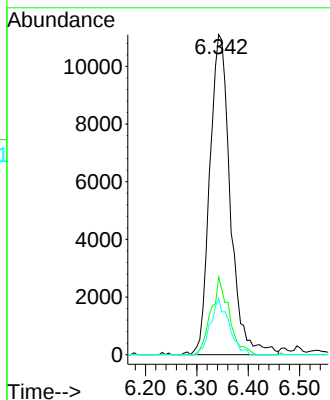
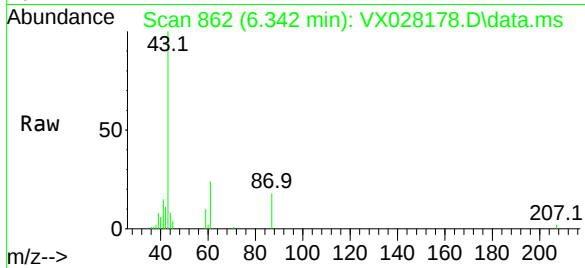




#43
Isopropyl Acetate
Concen: 2.955 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

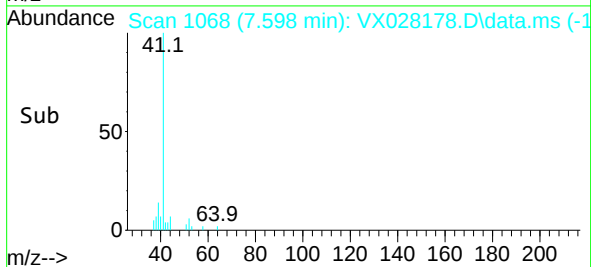
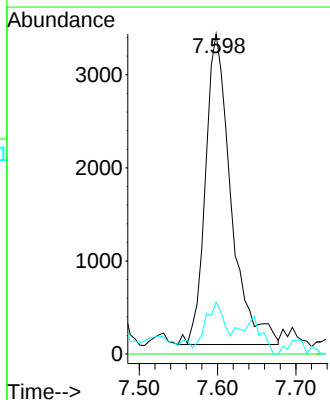
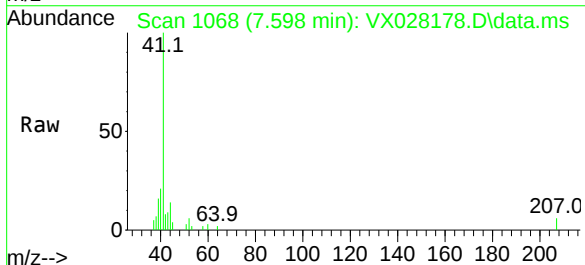
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

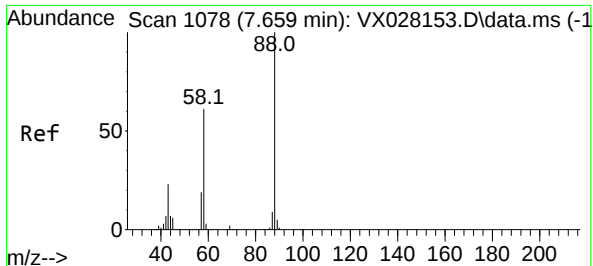
Tgt Ion: 43 Resp: 30767
Ion Ratio Lower Upper
43 100
61 21.4 18.5 27.7
87 15.7 13.0 19.6



#48
Methyl methacrylate
Concen: 1.584 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 41 Resp: 7573
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: 2.768 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028178.D

Acq: 19 Apr 2022 22:49

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#08

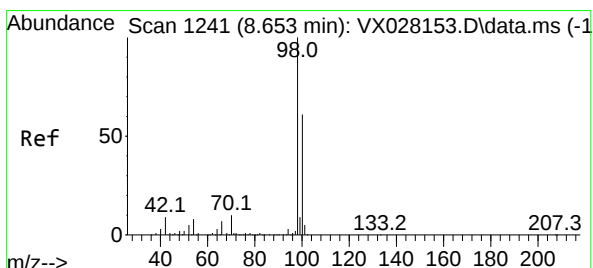
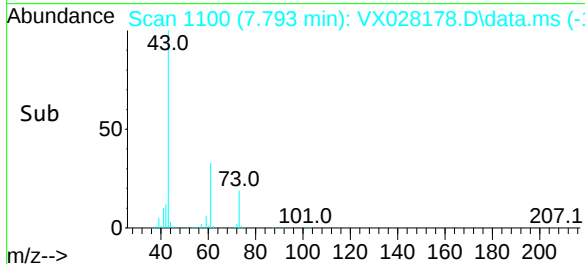
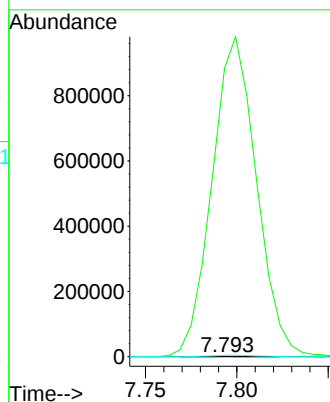
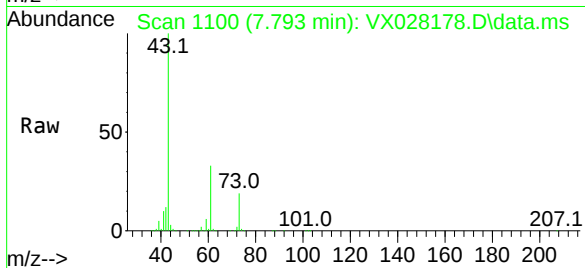
Tgt Ion: 88 Resp: 354

Ion Ratio Lower Upper

88 100

43 472054.2 21.9 32.9#

58 2157.6 53.7 80.5#



#50

Toluene-d8

Concen: 44.864 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028178.D

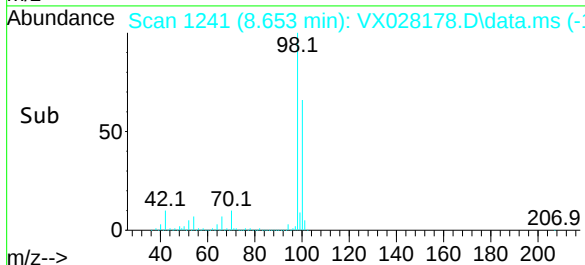
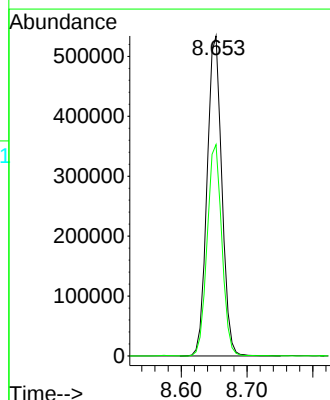
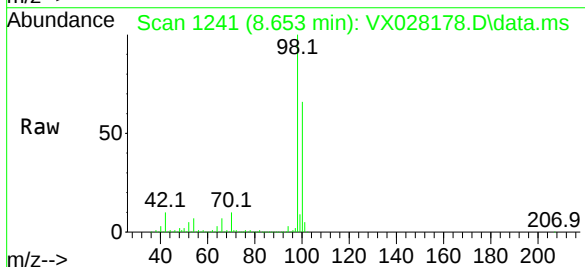
Acq: 19 Apr 2022 22:49

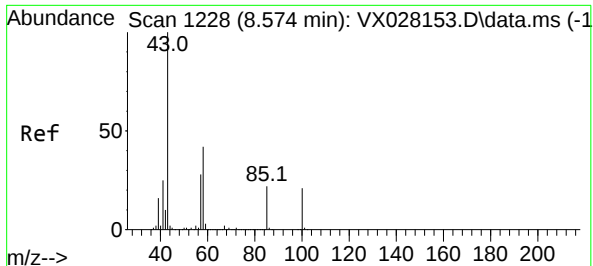
Tgt Ion: 98 Resp: 832935

Ion Ratio Lower Upper

98 100

100 66.0 52.6 78.8

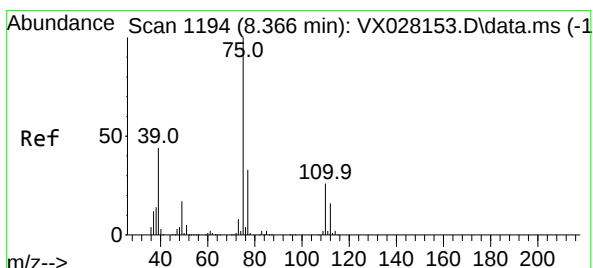
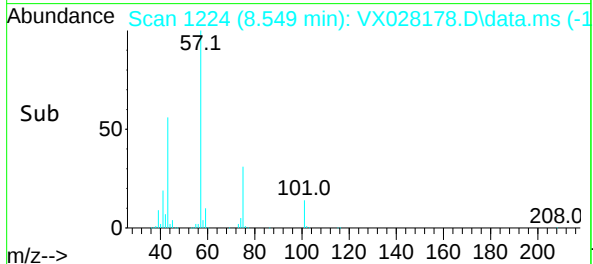
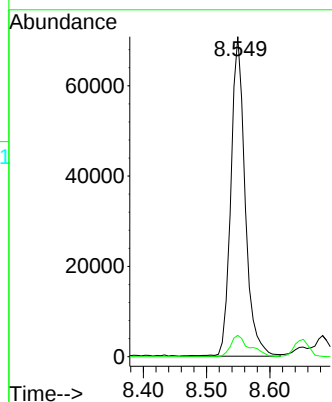
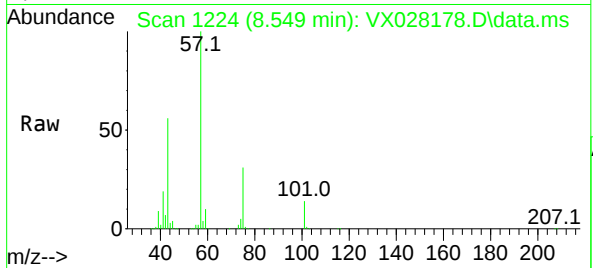




#51
4-Methyl-2-Pentanone
Concen: 16.575 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

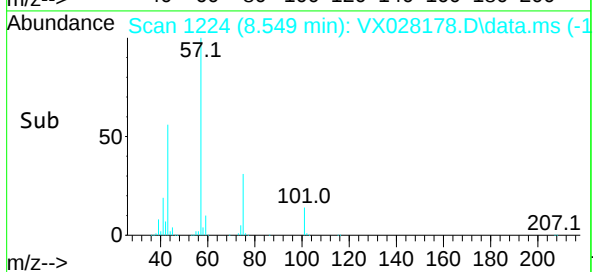
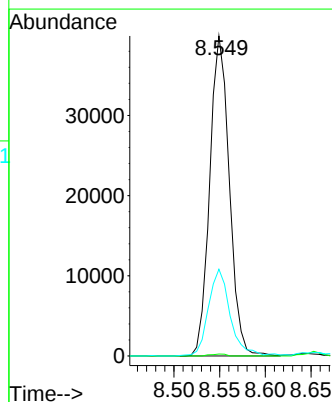
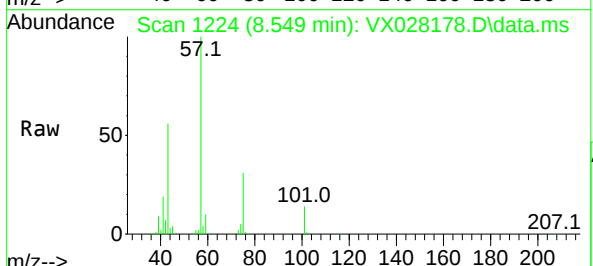
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

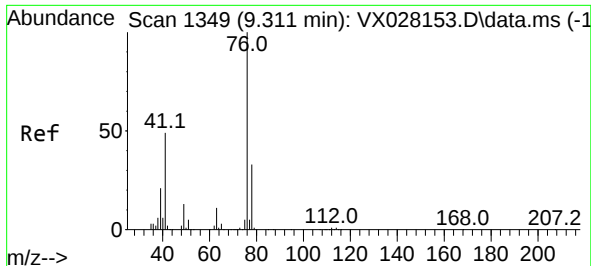
Tgt Ion: 43 Resp: 110755
Ion Ratio Lower Upper
43 100
58 8.8 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.648 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 75 Resp: 59449
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 26.9 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.392 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028178.D

Acq: 19 Apr 2022 22:49

Instrument :

MSVOA_X

ClientSampleId :

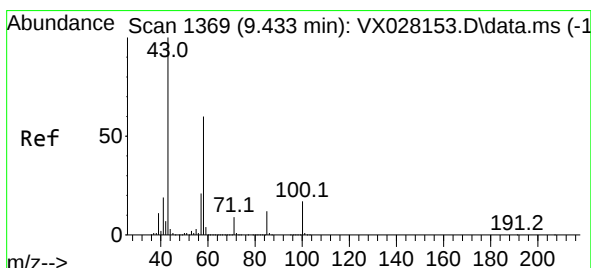
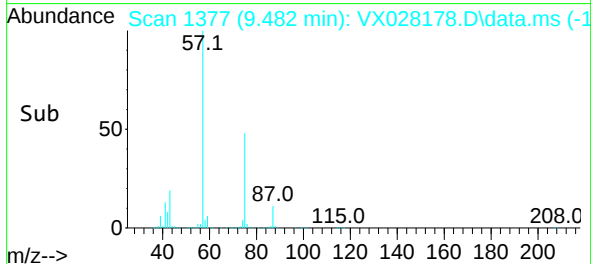
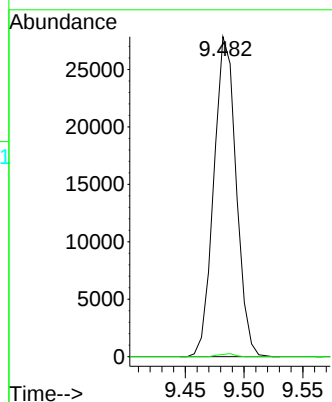
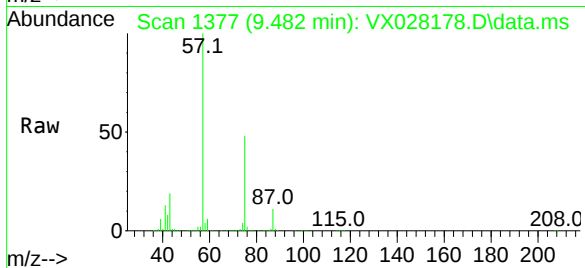
PB144164ZHE#08

Tgt Ion: 76 Resp: 36933

Ion Ratio Lower Upper

76 100

78 0.7 25.8 38.8#



#59

2-Hexanone

Concen: 81.038 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028178.D

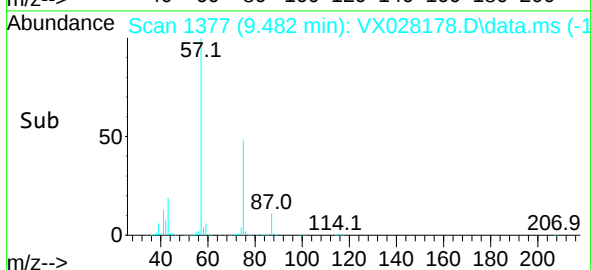
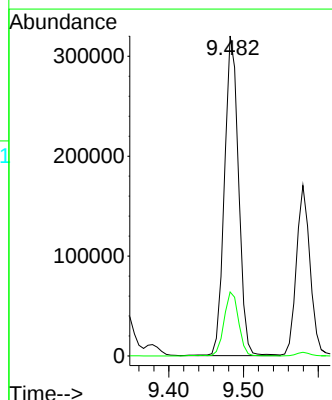
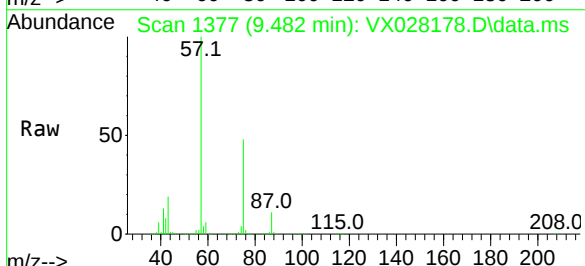
Acq: 19 Apr 2022 22:49

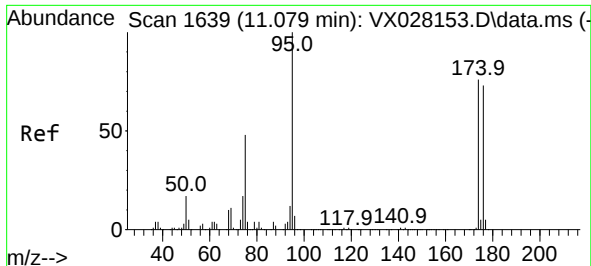
Tgt Ion: 43 Resp: 419444

Ion Ratio Lower Upper

43 100

58 20.4 31.9 95.7#

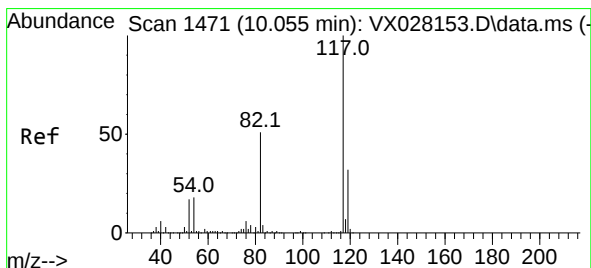
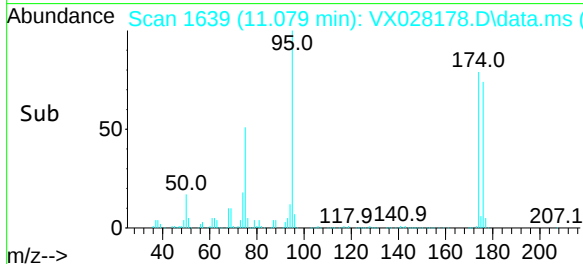
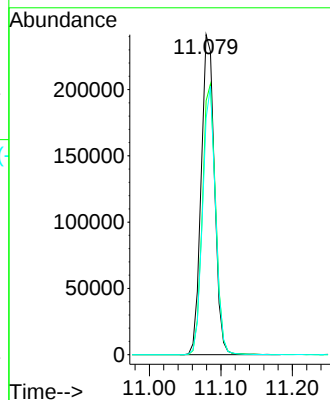
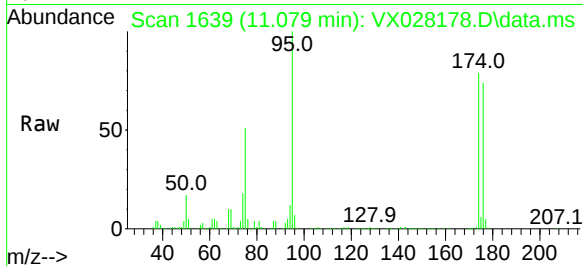




#62
4-Bromofluorobenzene
Concen: 43.865 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

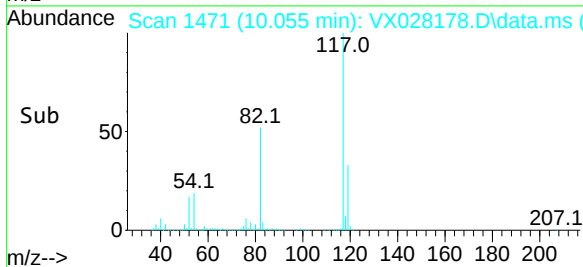
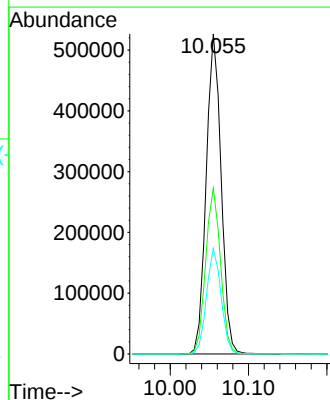
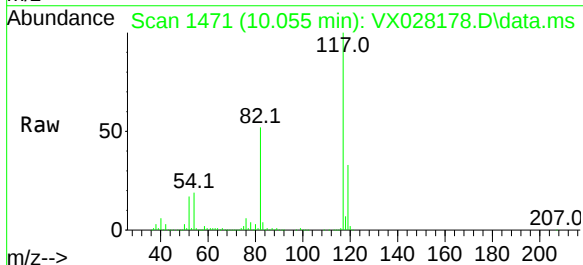
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

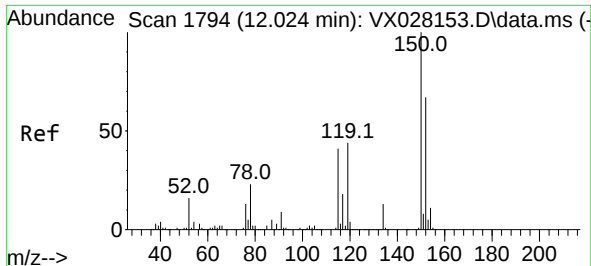
Tgt Ion: 95 Resp: 311385
Ion Ratio Lower Upper
95 100
174 84.3 0.0 163.0
176 81.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 117 Resp: 694882
Ion Ratio Lower Upper
117 100
82 51.8 41.8 62.8
119 33.0 24.8 37.2

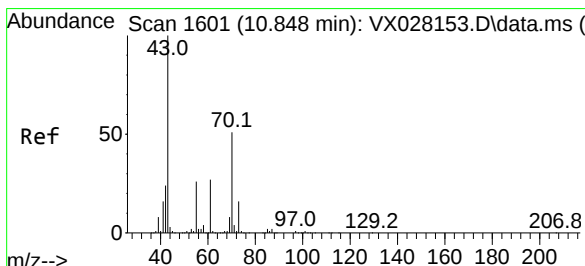
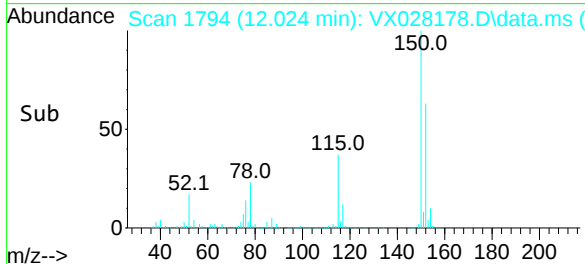
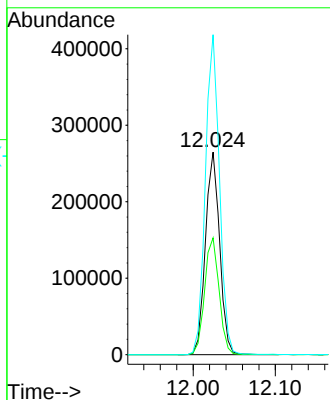
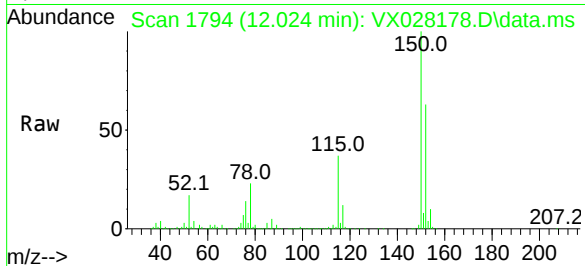




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028178.D
 Acq: 19 Apr 2022 22:49

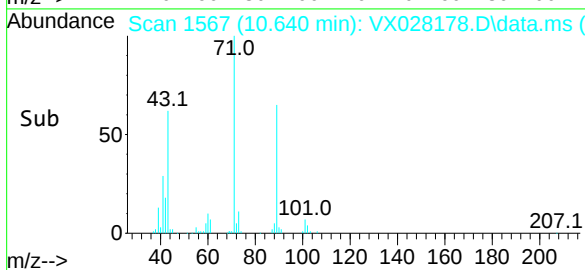
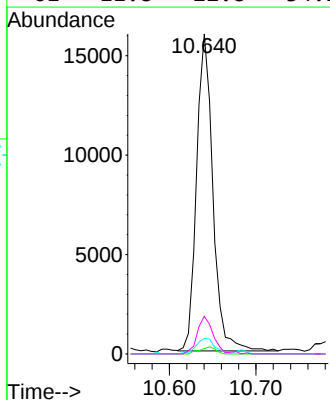
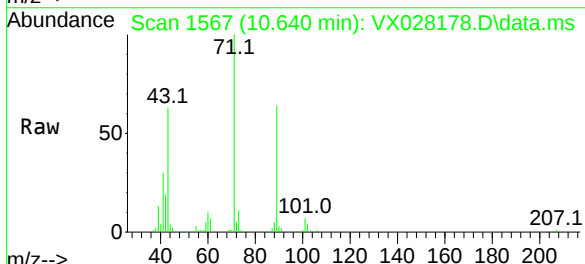
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#08

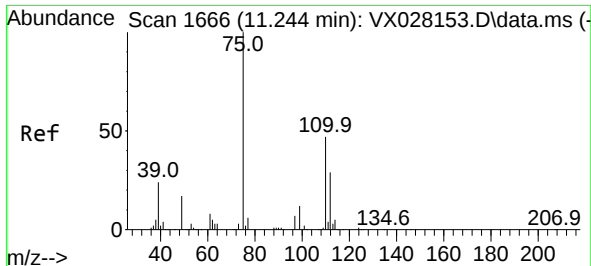
Tgt Ion:152 Resp: 317568
 Ion Ratio Lower Upper
 152 100
 115 58.8 37.5 112.7
 150 156.7 0.0 338.2



#74
 N-ethyl acetate
 Concen: 2.769 ug/l
 RT: 10.640 min Scan# 1567
 Delta R.T. -0.208 min
 Lab File: VX028178.D
 Acq: 19 Apr 2022 22:49

Tgt Ion: 43 Resp: 20893
 Ion Ratio Lower Upper
 43 100
 70 2.2 42.5 63.7#
 55 5.5 23.1 34.7#
 61 11.8 22.8 34.2#

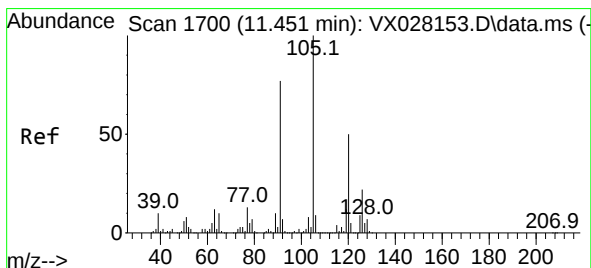
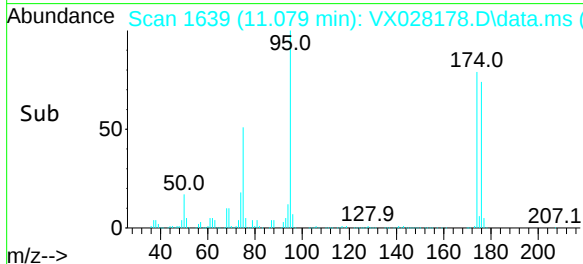
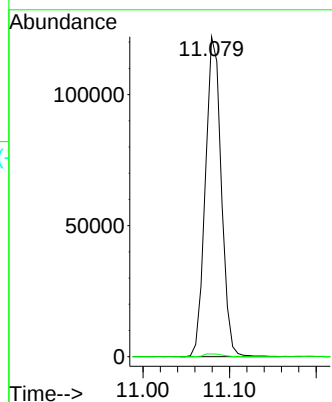
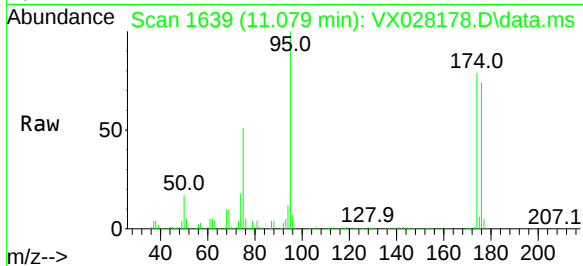




#76
1,2,3-Trichloropropane
Concen: 24.966 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.165 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

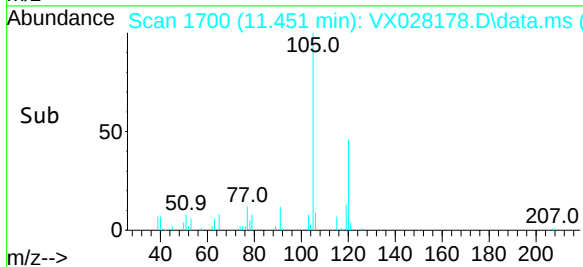
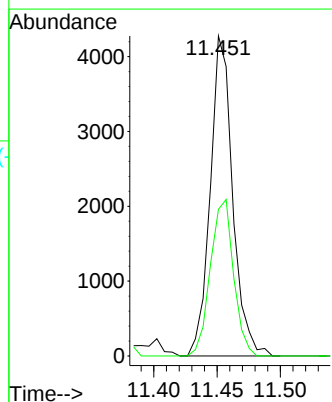
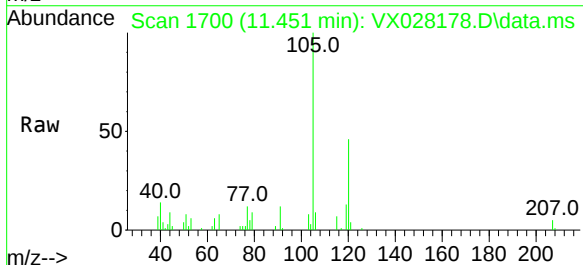
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

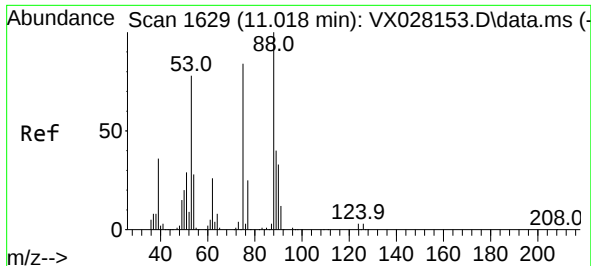
Tgt Ion: 75 Resp: 156033
Ion Ratio Lower Upper
75 100
77 1.1 19.4 58.2#



#80
1,3,5-Trimethylbenzene
Concen: 0.284 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 105 Resp: 5271
Ion Ratio Lower Upper
105 100
120 50.3 24.3 72.9

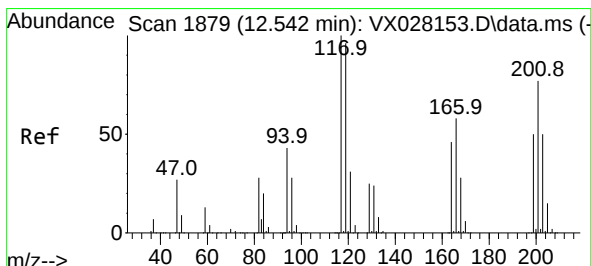
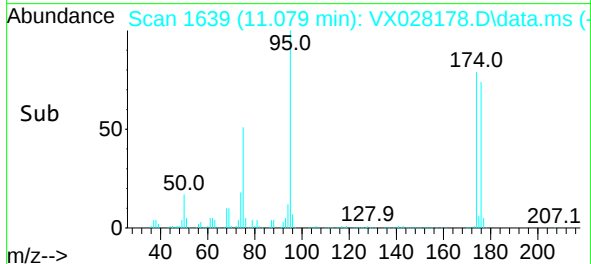
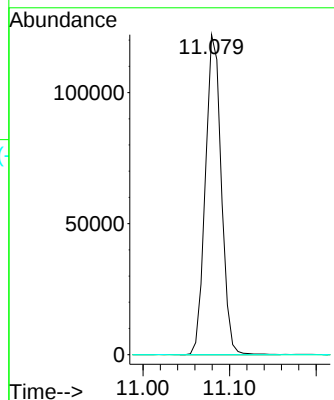
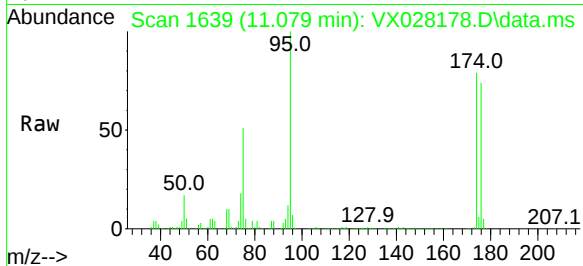




#81
trans-1,4-Dichloro-2-butene
Concen: 74.191 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#08

Tgt Ion: 75 Resp: 156033
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#90
Hexachloroethane
Concen: 1.820 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. 0.000 min
Lab File: VX028178.D
Acq: 19 Apr 2022 22:49

Tgt Ion: 117 Resp: 23
Ion Ratio Lower Upper
117 100
201 0.0 39.5 118.5#

