

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028180.D
 Acq On : 19 Apr 2022 23:35
 Operator : JC/MD
 Sample : PB144164ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#10

Quant Time: Apr 20 08:20:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

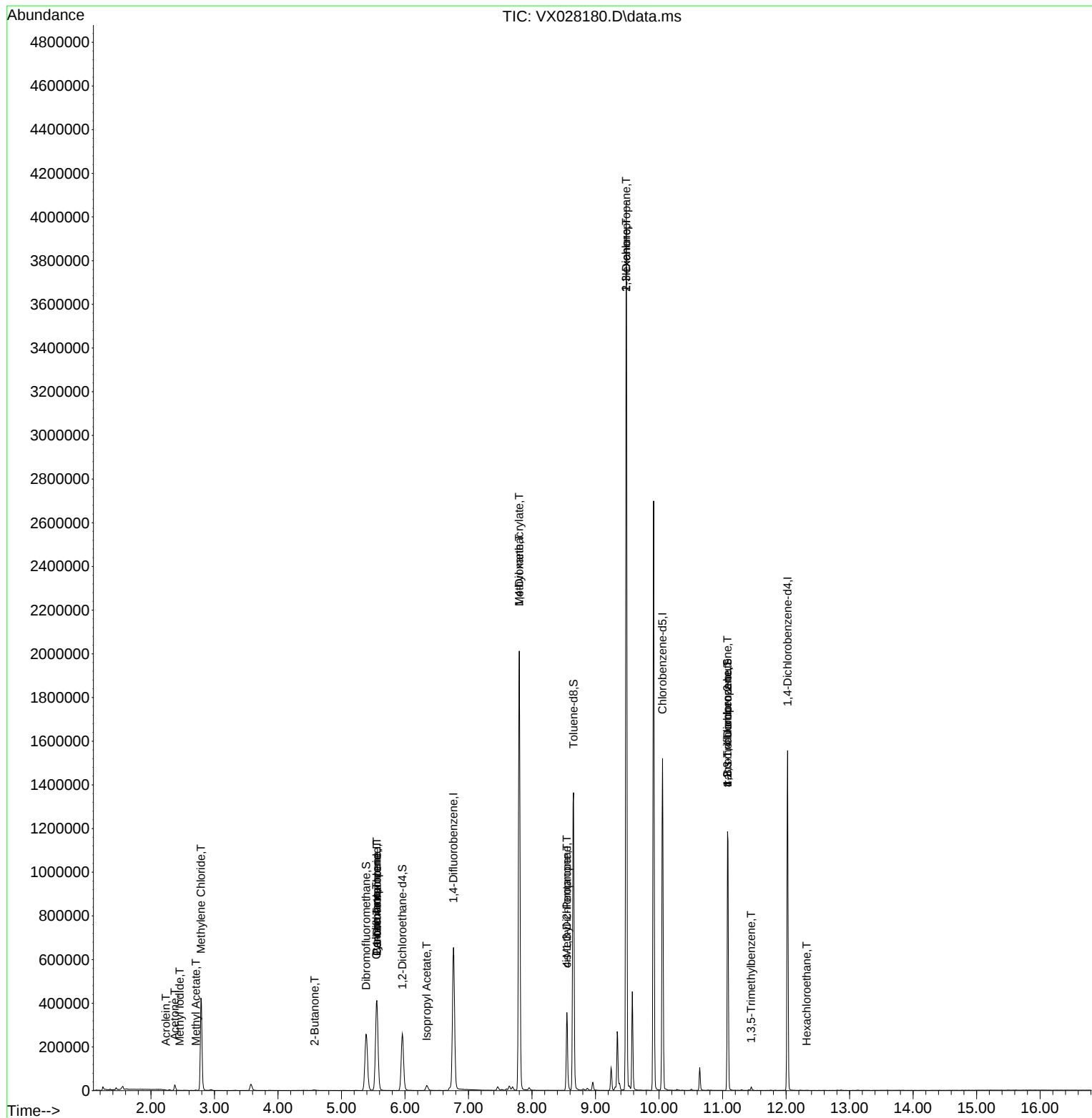
Internal Standards						
1) Pentafluorobenzene	5.556	168	400953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	689198	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	700908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	322064	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	248477	47.528	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.060%		
35) Dibromofluoromethane	5.385	113	226144	46.789	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.580%		
50) Toluene-d8	8.653	98	836629	45.068	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.140%		
62) 4-Bromofluorobenzene	11.079	95	316885	44.644	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.280%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	428	Below Cal	#	76
5) Bromomethane	1.611	94	1010	Below Cal	#	64
6) Chloroethane	1.666	64	288	Below Cal	#	47
8) Diethyl Ether	2.142	74	125	Below Cal	#	1
10) Methyl Iodide	2.453	142	368	5.309	ug/l #	76
11) Tert butyl alcohol	2.953	59	2560	Below Cal	#	77
13) Acrolein	2.233	56	273	0.426	ug/l	84
16) Acetone	2.373	43	25337	14.553	ug/l	93
18) Methyl Acetate	2.709	43	2551	0.549	ug/l #	86
20) Methylene Chloride	2.788	84	197417	50.893	ug/l	95
25) 2-Butanone	4.574	43	4454	1.439	ug/l	91
31) Cyclohexane	5.550	56	8024	1.260	ug/l #	19
36) 1,1-Dichloropropene	5.556	75	29295	4.647	ug/l #	51
38) Carbon Tetrachloride	5.556	117	40324	5.666	ug/l #	14
43) Isopropyl Acetate	6.342	43	29877	2.870	ug/l	99
48) Methyl methacrylate	7.799	41	169443	35.448	ug/l #	34
49) 1,4-Dioxane	7.799	88	333	2.604	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	115176	17.239	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	60827	7.826	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	39100	4.650	ug/l #	43
59) 2-Hexanone	9.482	43	435800	84.207	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	160074	25.255	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	6368	0.339	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	160074	75.050	ug/l #	15
90) Hexachloroethane	12.323	117	78	1.835	ug/l #	10

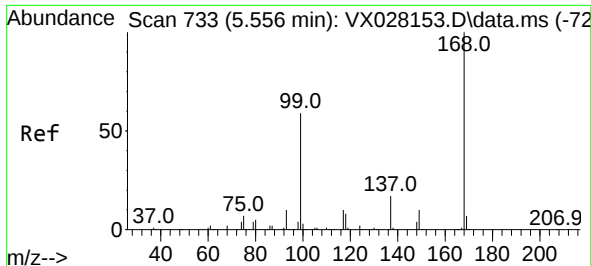
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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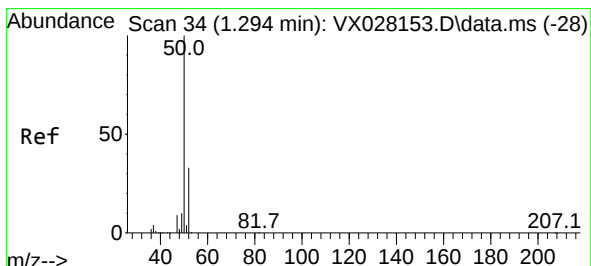
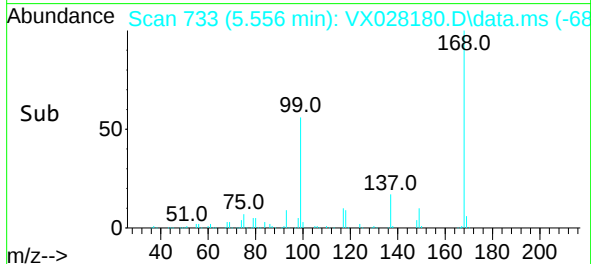
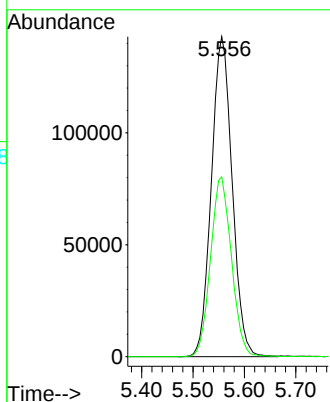
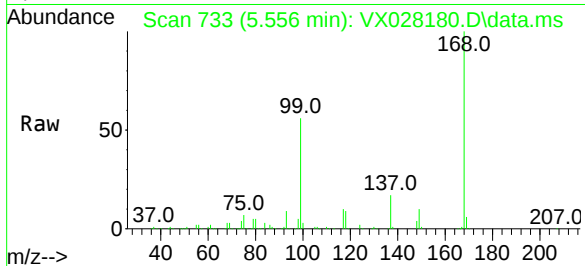




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

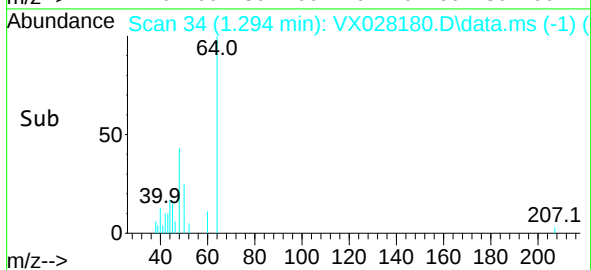
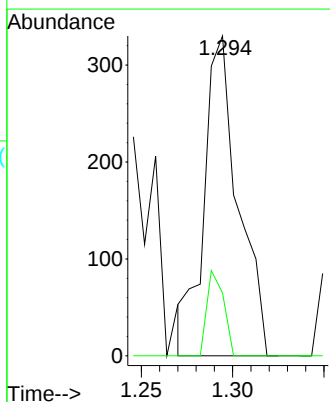
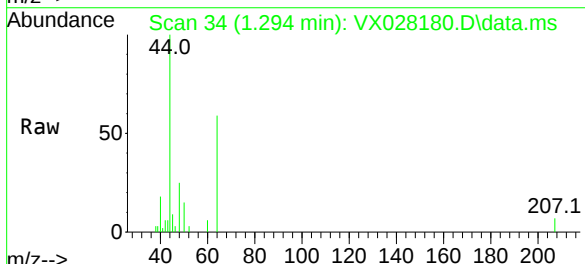
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#10

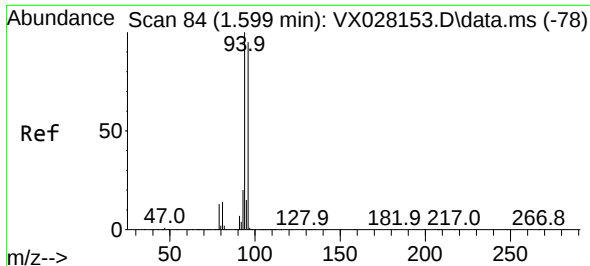
Tgt Ion:168 Resp: 400953
Ion Ratio Lower Upper
168 100
99 56.2 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Tgt Ion: 50 Resp: 428
Ion Ratio Lower Upper
50 100
52 19.7 26.4 39.6#

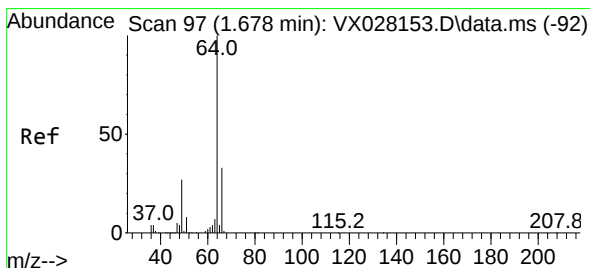
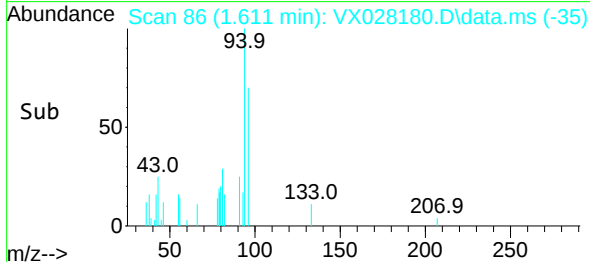
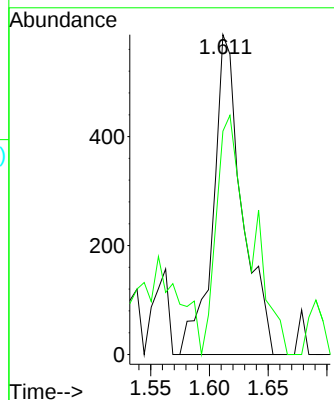
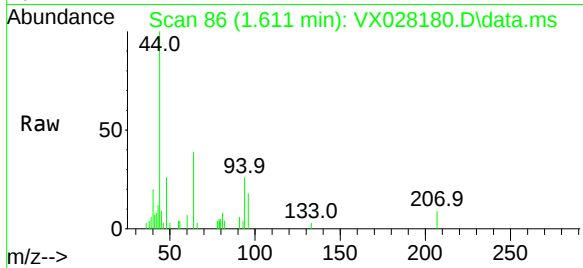




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

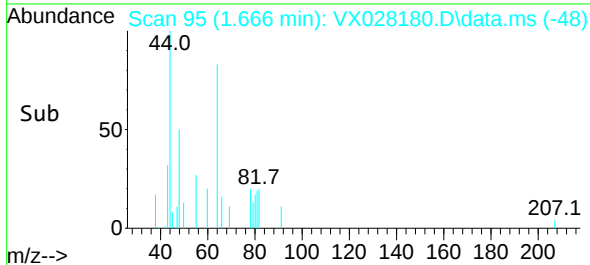
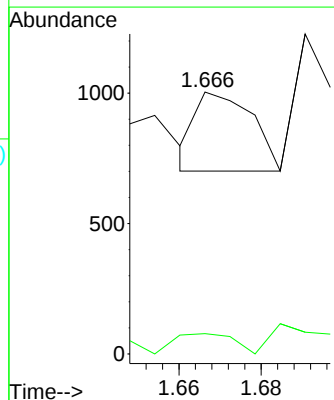
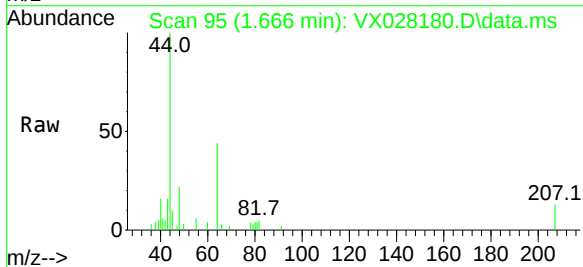
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#10

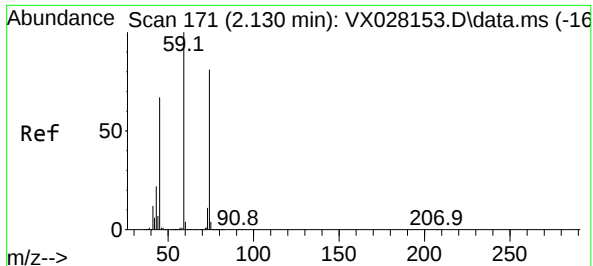
Tgt Ion: 94 Resp: 1010
Ion Ratio Lower Upper
94 100
96 59.1 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Tgt Ion: 64 Resp: 288
Ion Ratio Lower Upper
64 100
66 2.0 25.3 37.9#

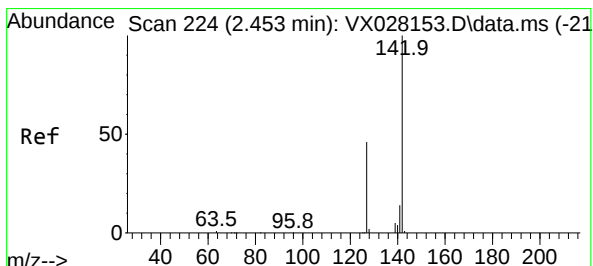
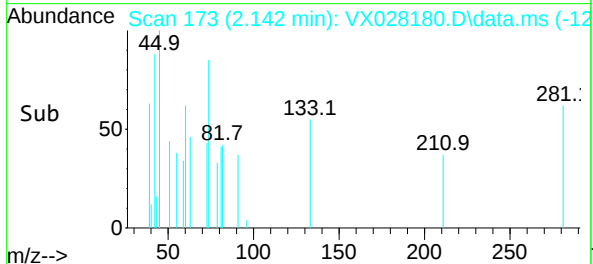
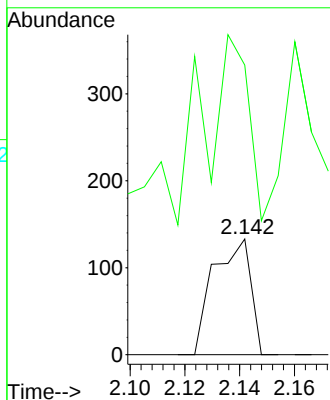
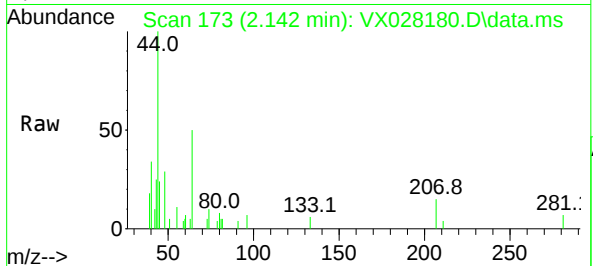




#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

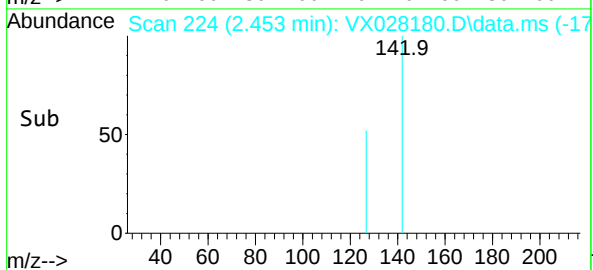
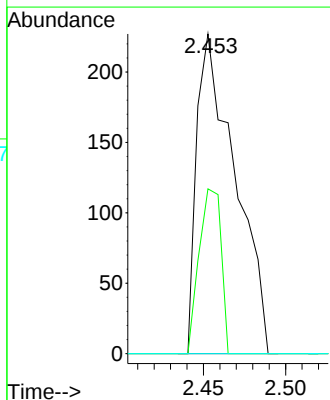
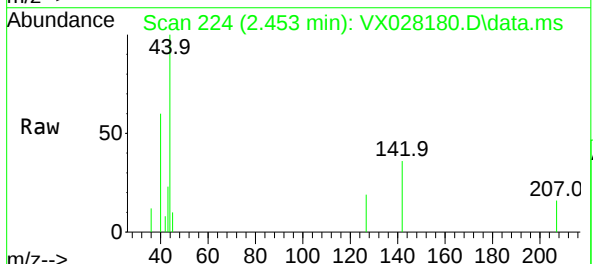
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#10

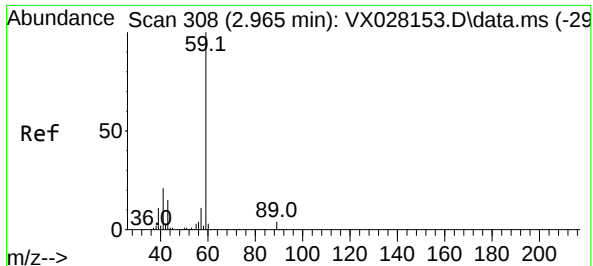
Tgt Ion: 74 Resp: 125
Ion Ratio Lower Upper
74 100
45 190.4 42.0 126.0#



#10
Methyl Iodide
Concen: 5.309 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Tgt Ion: 142 Resp: 368
Ion Ratio Lower Upper
142 100
127 29.3 33.9 50.9#
141 0.0 11.4 17.2#

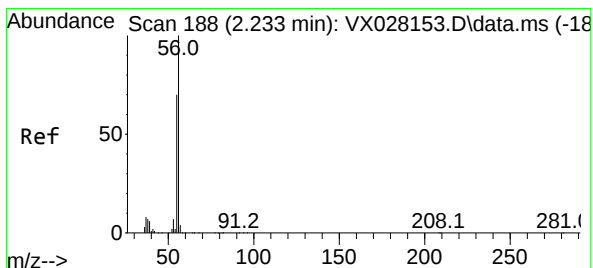
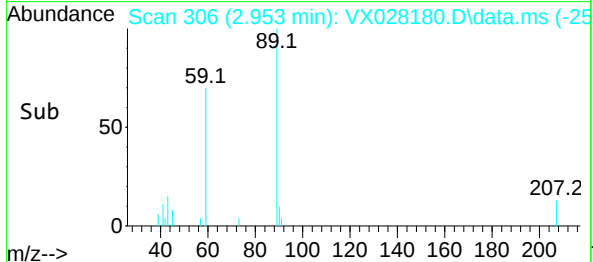
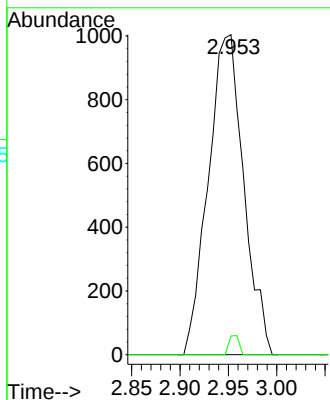
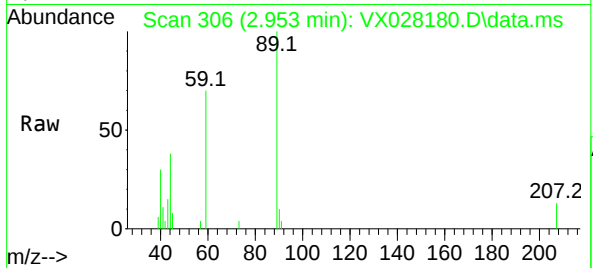




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

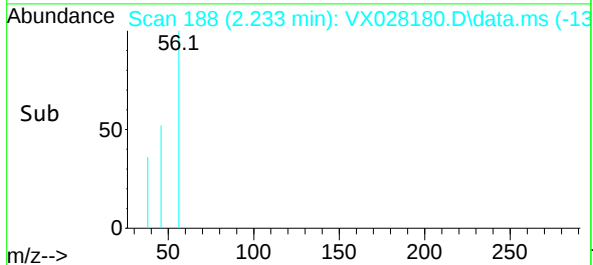
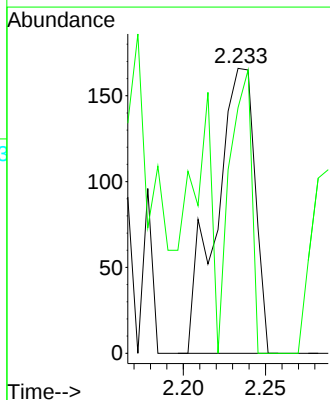
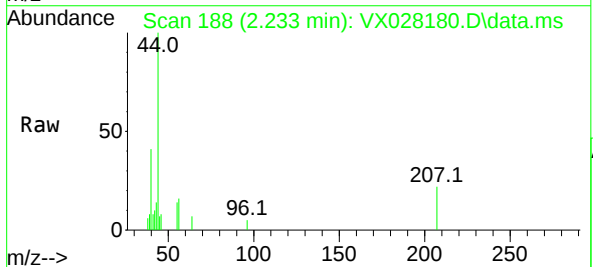
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#10

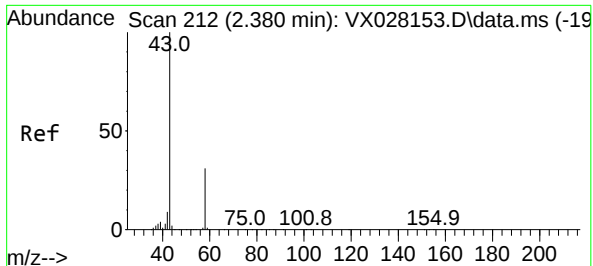
Tgt Ion: 59 Resp: 2560
Ion Ratio Lower Upper
59 100
57 1.7 8.3 12.5#



#13
Acrolein
Concen: 0.426 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Tgt Ion: 56 Resp: 273
Ion Ratio Lower Upper
56 100
55 55.7 55.0 82.6

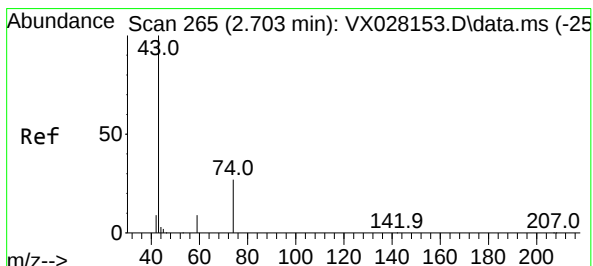
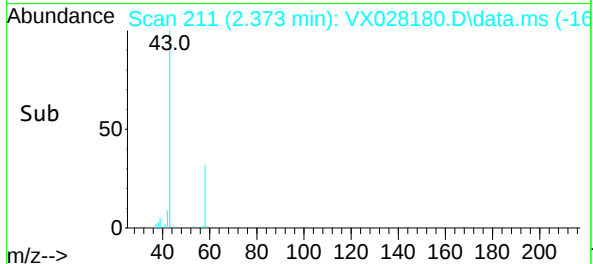
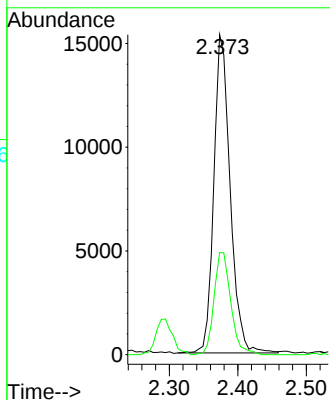
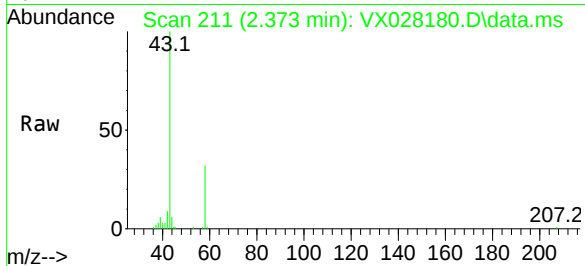




#16
Acetone
Concen: 14.553 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

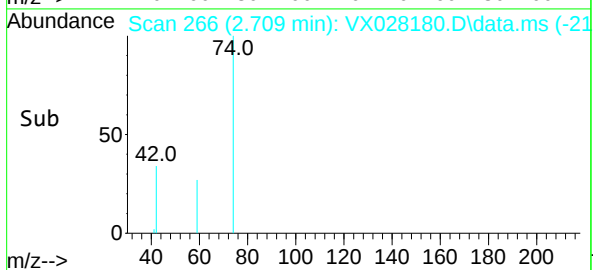
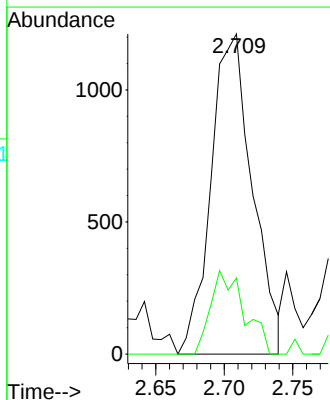
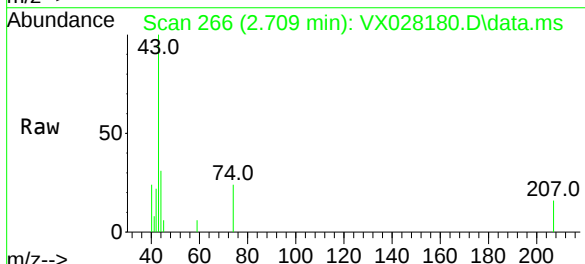
Instrument :
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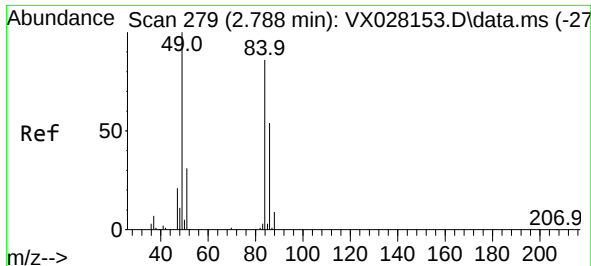
Tgt Ion: 43 Resp: 25337
Ion Ratio Lower Upper
43 100
58 32.1 28.8 43.2



#18
Methyl Acetate
Concen: 0.549 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

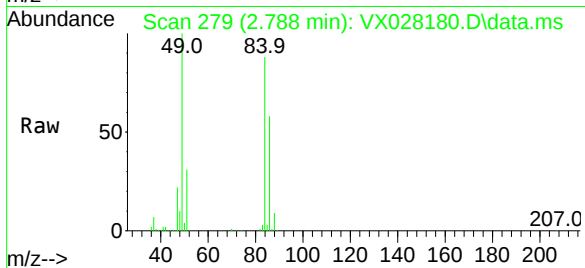
Tgt Ion: 43 Resp: 2551
Ion Ratio Lower Upper
43 100
74 21.2 22.8 34.2#





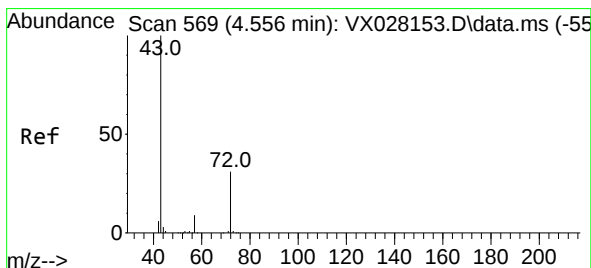
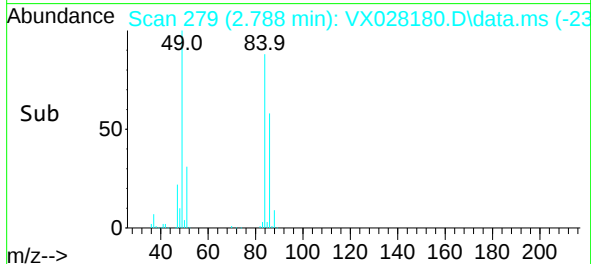
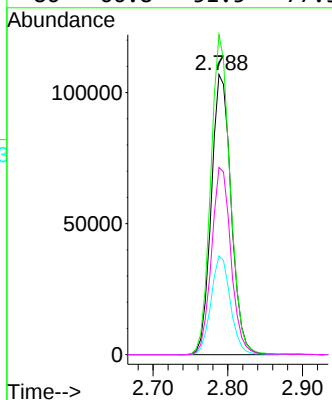
#20
Methylene Chloride
Concen: 50.893 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Instrument :
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ClientSampleId :
PB144164ZHE#10



Tgt Ion: 84 Resp: 197417

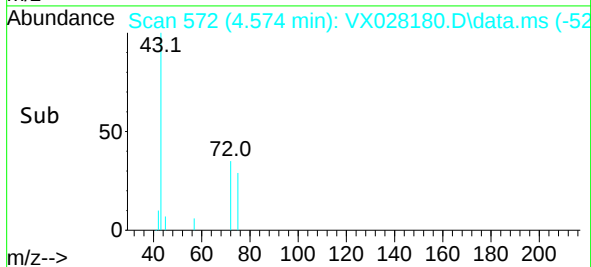
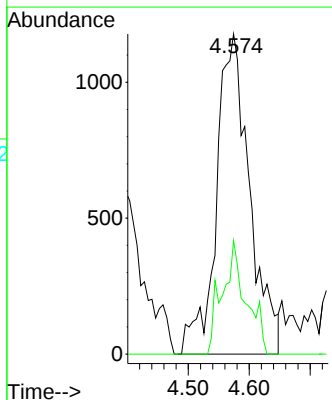
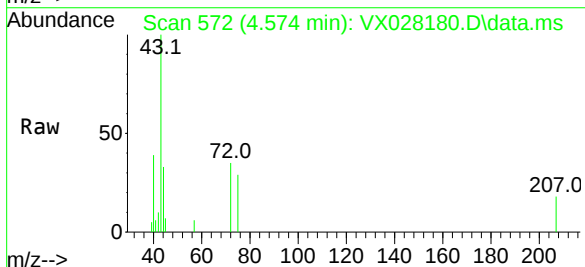
Ion	Ratio	Lower	Upper
84	100		
49	114.2	85.5	128.3
51	35.3	26.6	39.8
86	66.8	51.5	77.3

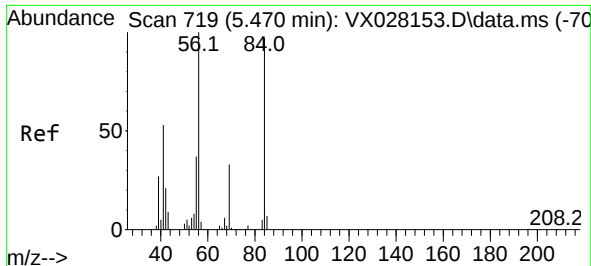


#25
2-Butanone
Concen: 1.439 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Tgt Ion: 43 Resp: 4454

Ion	Ratio	Lower	Upper
43	100		
72	35.5	24.4	36.6

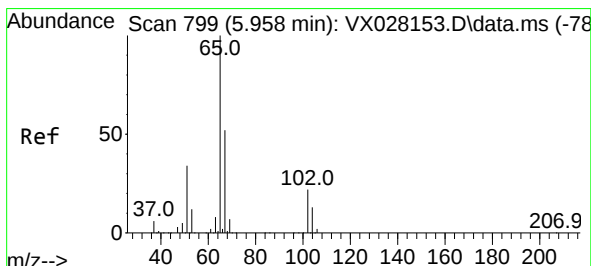
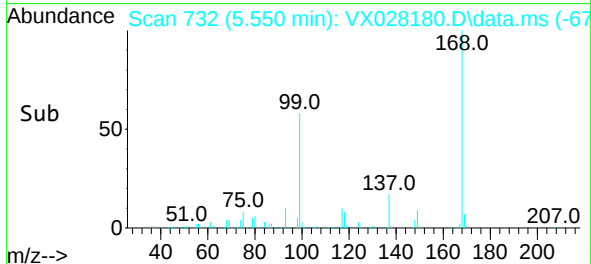
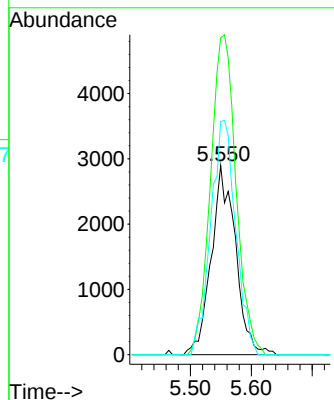
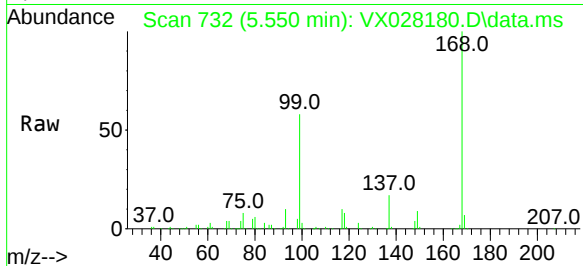




#31
Cyclohexane
Concen: 1.260 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

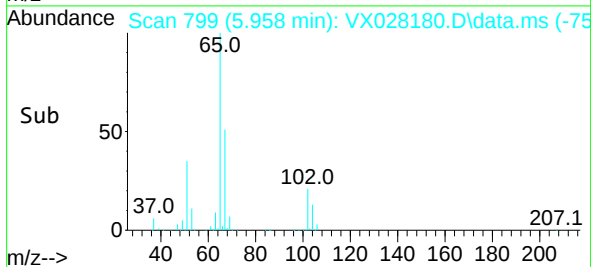
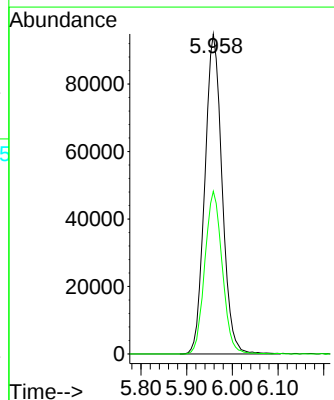
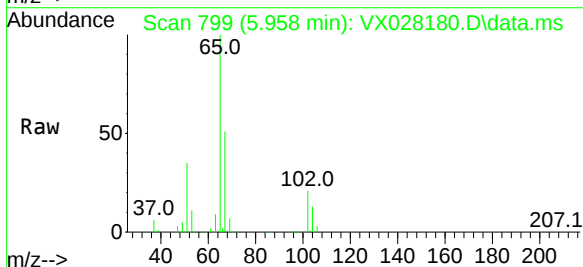
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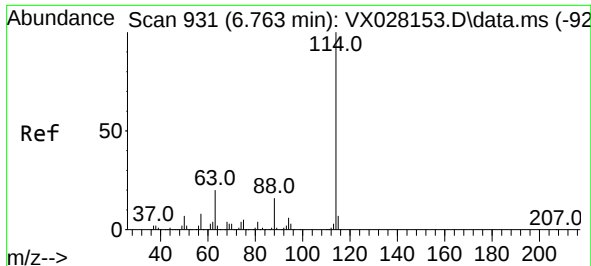
Tgt Ion: 56 Resp: 8024
Ion Ratio Lower Upper
56 100
69 167.4 26.7 40.1#
84 123.2 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 47.528 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

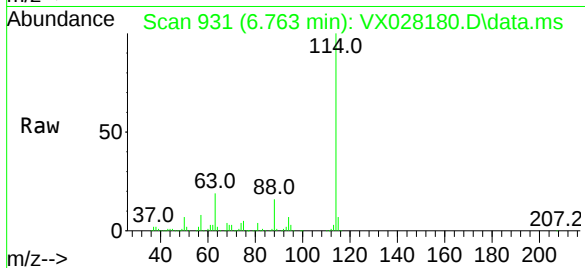
Tgt Ion: 65 Resp: 248477
Ion Ratio Lower Upper
65 100
67 51.2 0.0 107.4



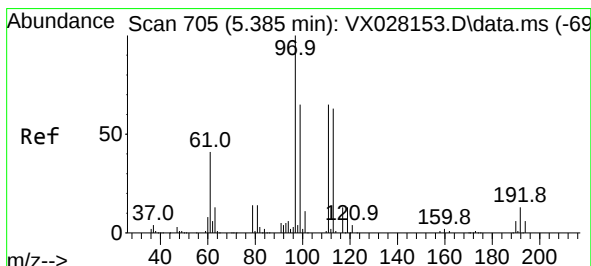
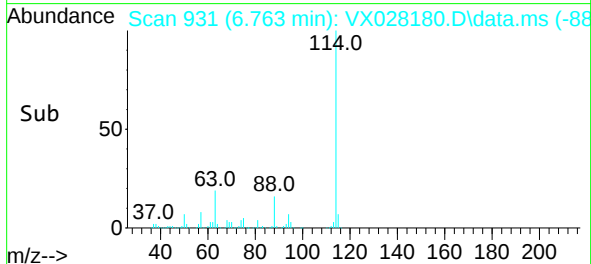
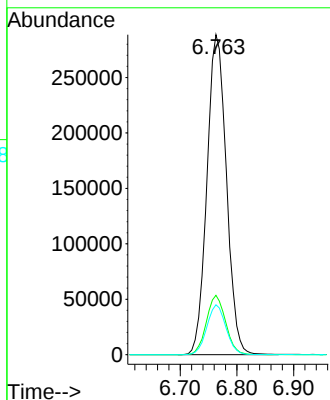


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#10

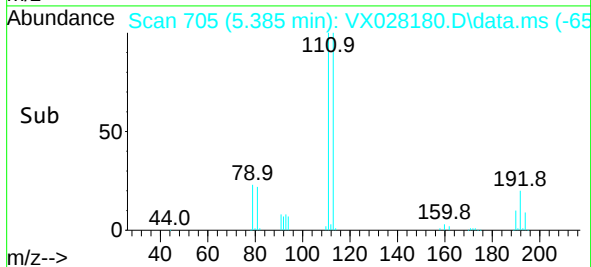
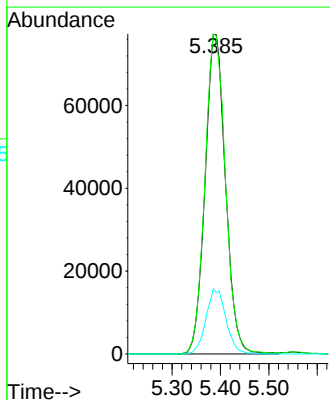
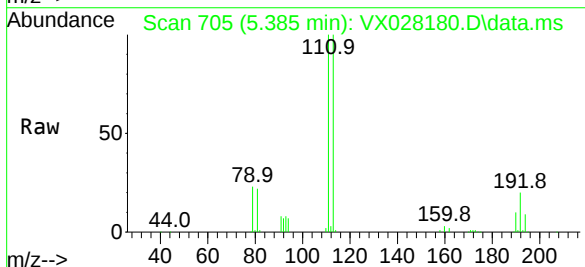


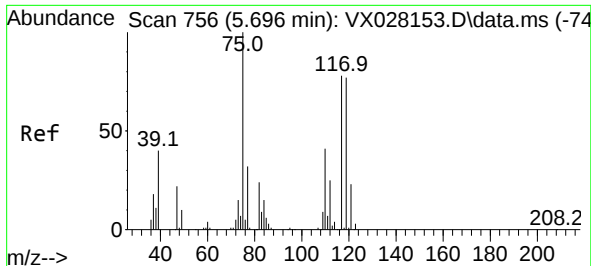
Tgt Ion:114 Resp: 689198
Ion Ratio Lower Upper
114 100
63 18.5 0.0 36.8
88 15.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.789 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Tgt Ion:113 Resp: 226144
Ion Ratio Lower Upper
113 100
111 101.1 82.8 124.2
192 20.0 16.9 25.3

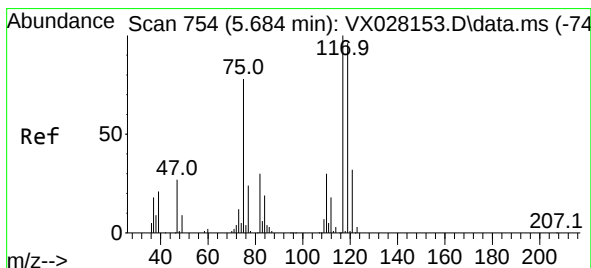
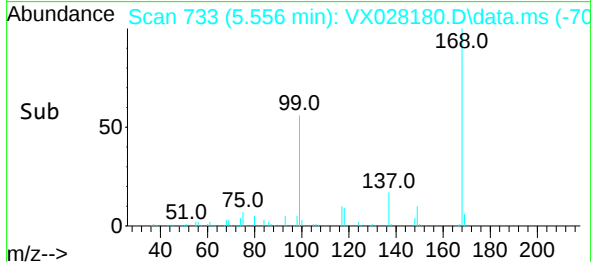
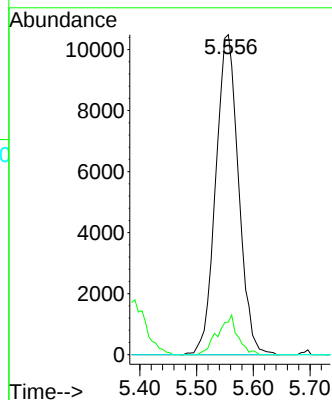
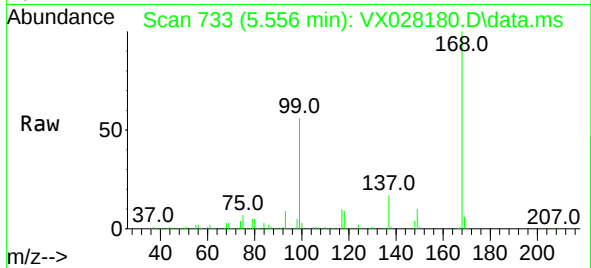




#36
1,1-Dichloropropene
Concen: 4.647 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

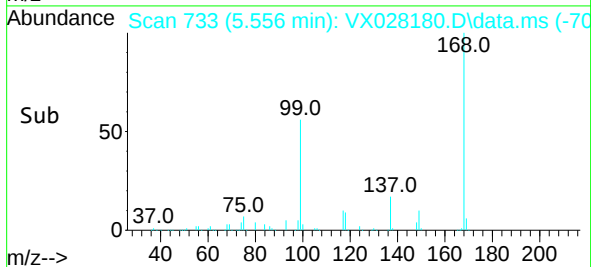
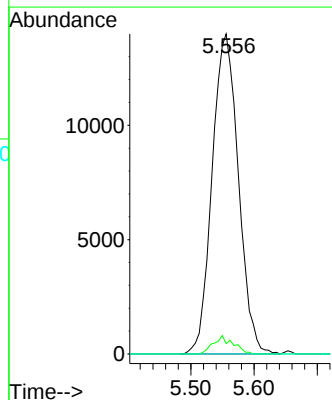
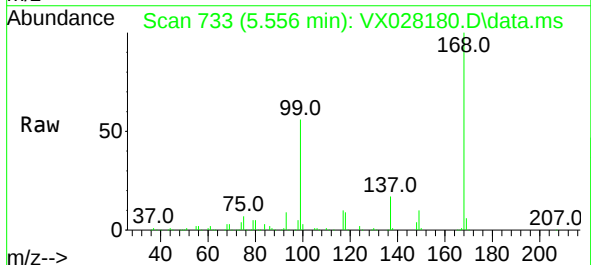
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#10

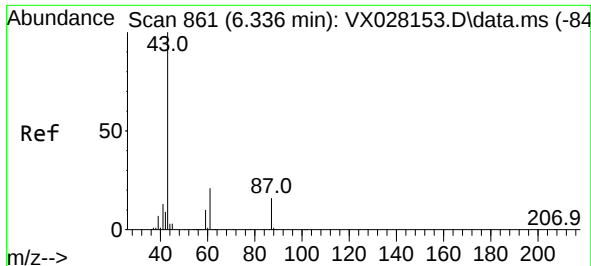
Tgt Ion: 75 Resp: 29295
Ion Ratio Lower Upper
75 100
110 10.8 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Tgt Ion: 117 Resp: 40324
Ion Ratio Lower Upper
117 100
119 3.3 77.3 115.9#
121 0.0 24.2 36.2#

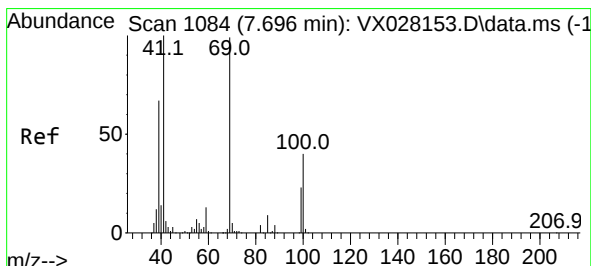
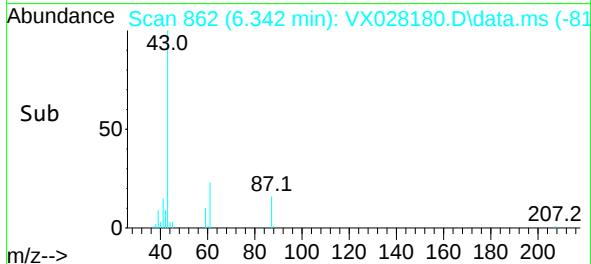
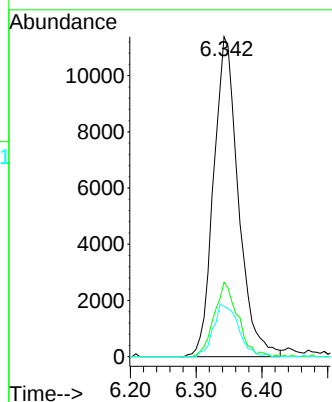
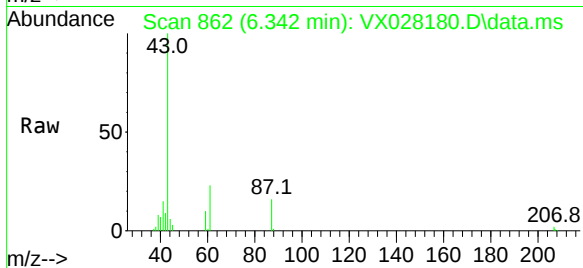




#43
Isopropyl Acetate
Concen: 2.870 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

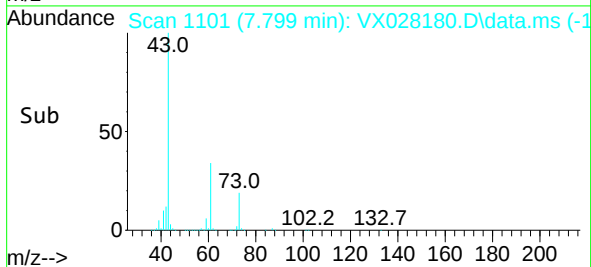
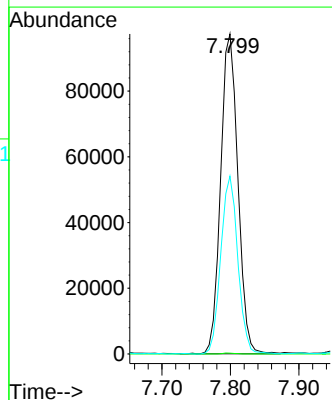
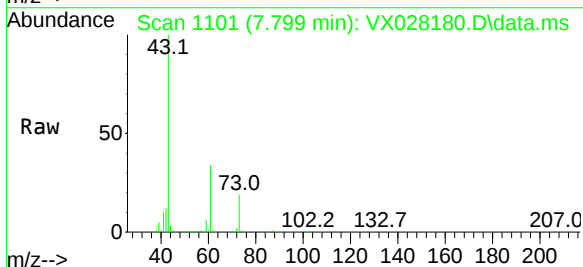
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#10

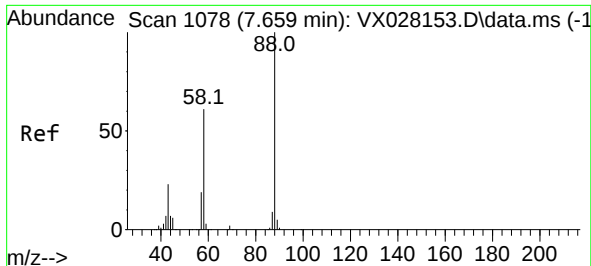
Tgt Ion: 43 Resp: 29877
Ion Ratio Lower Upper
43 100
61 22.2 18.5 27.7
87 16.6 13.0 19.6



#48
Methyl methacrylate
Concen: 35.448 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Tgt Ion: 41 Resp: 169443
Ion Ratio Lower Upper
41 100
69 0.2 82.5 123.7#
39 55.0 43.8 65.8





#49

1,4-Dioxane

Concen: 2.604 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028180.D

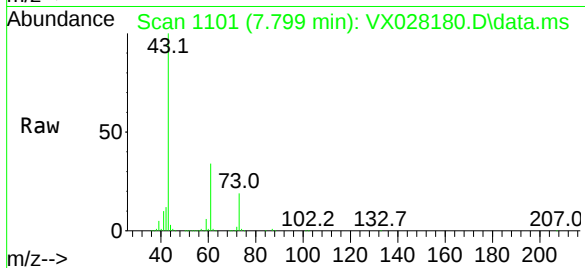
Acq: 19 Apr 2022 23:35

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#10



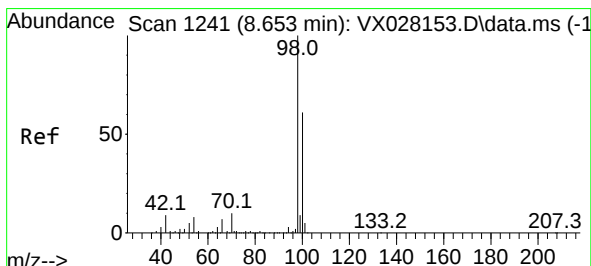
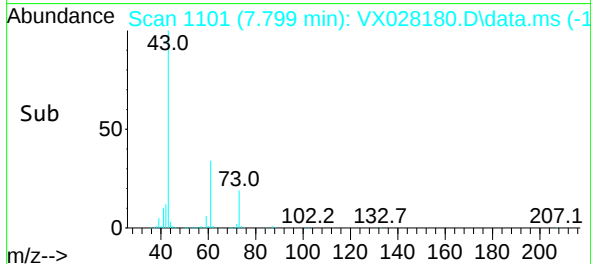
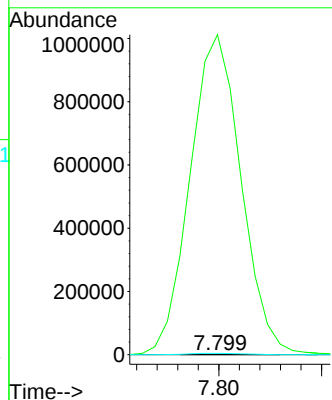
Tgt Ion: 88 Resp: 333

Ion Ratio Lower Upper

88 100

43 526893.1 21.9 32.9#

58 2327.6 53.7 80.5#



#50

Toluene-d8

Concen: 45.068 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028180.D

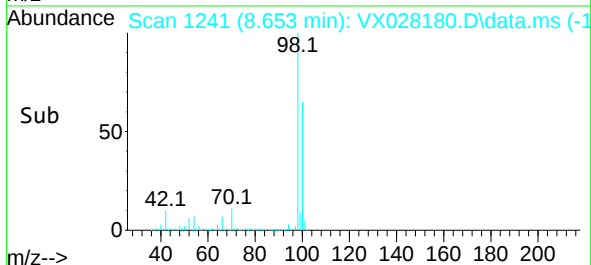
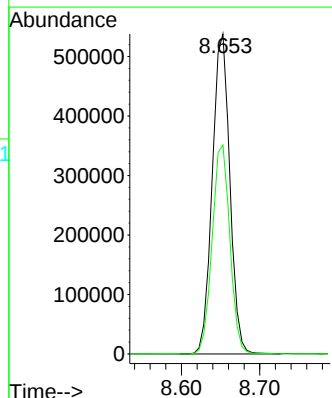
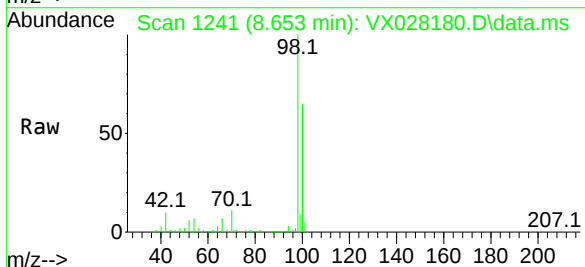
Acq: 19 Apr 2022 23:35

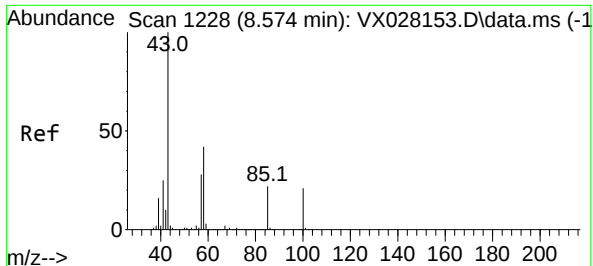
Tgt Ion: 98 Resp: 836629

Ion Ratio Lower Upper

98 100

100 66.0 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 17.239 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028180.D

Acq: 19 Apr 2022 23:35

Instrument :

MSVOA_X

ClientSampleId :

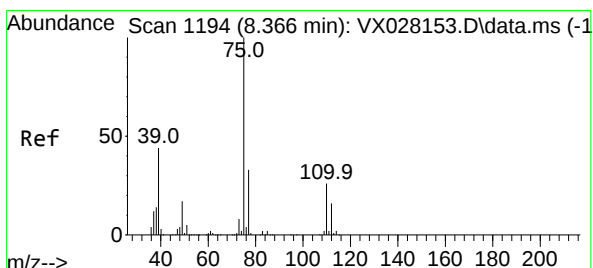
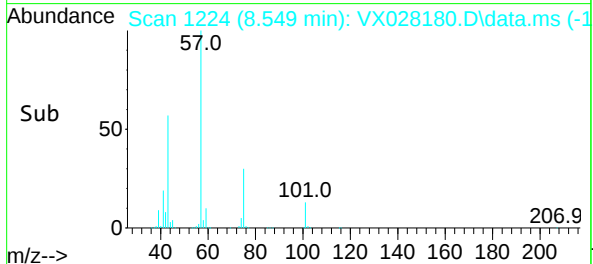
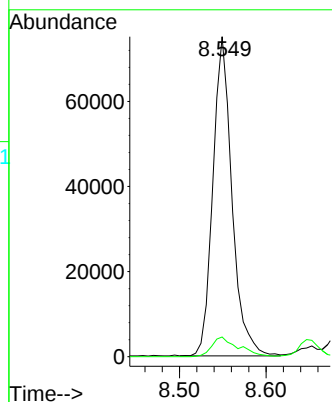
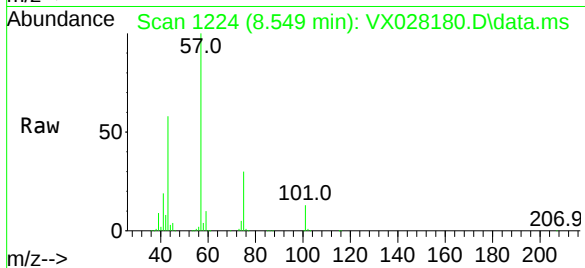
PB144164ZHE#10

Tgt Ion: 43 Resp: 115176

Ion Ratio Lower Upper

43 100

58 8.6 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.826 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028180.D

Acq: 19 Apr 2022 23:35

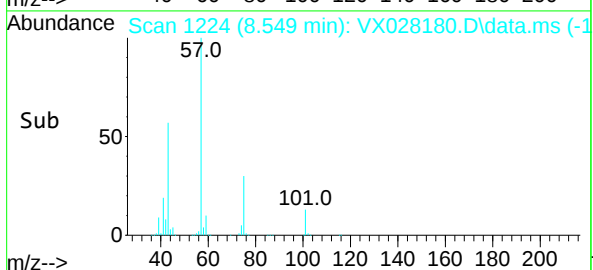
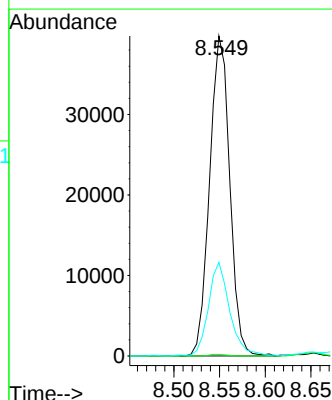
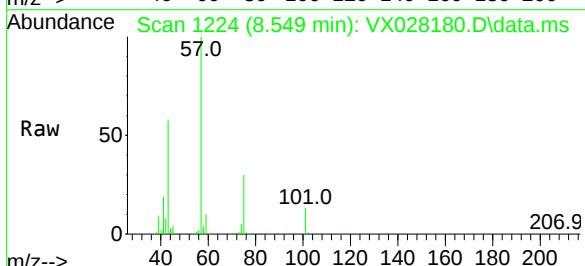
Tgt Ion: 75 Resp: 60827

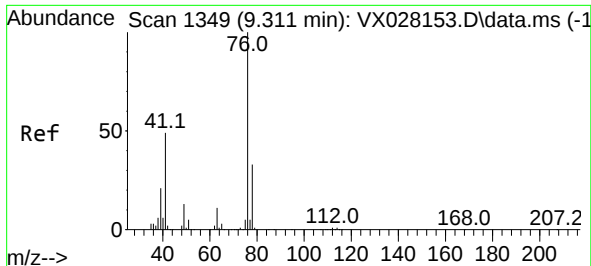
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 29.3 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.650 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028180.D

Acq: 19 Apr 2022 23:35

Instrument :

MSVOA_X

ClientSampleId :

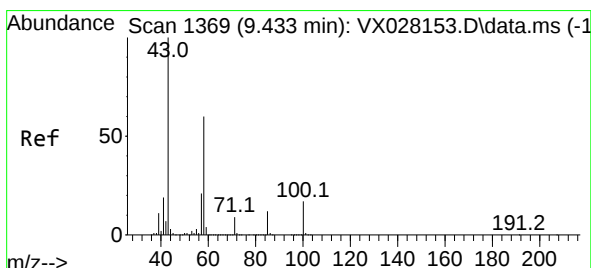
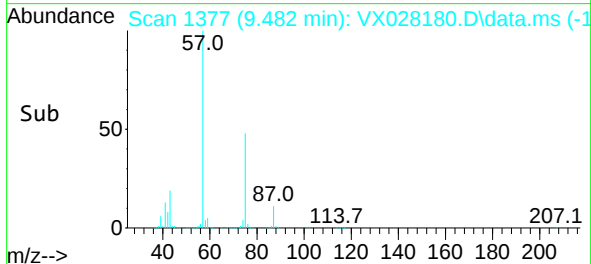
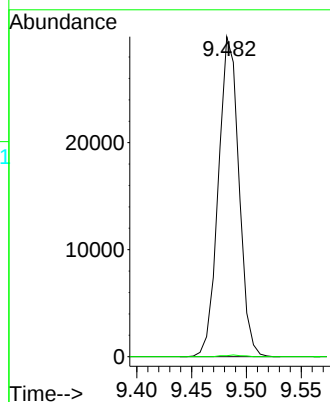
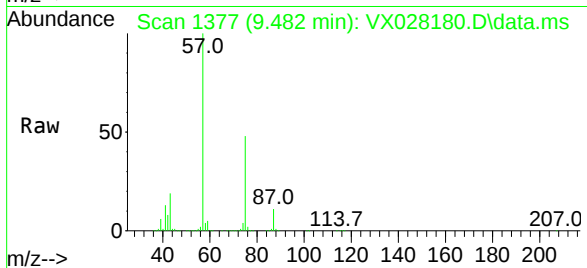
PB144164ZHE#10

Tgt Ion: 76 Resp: 39100

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 84.207 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028180.D

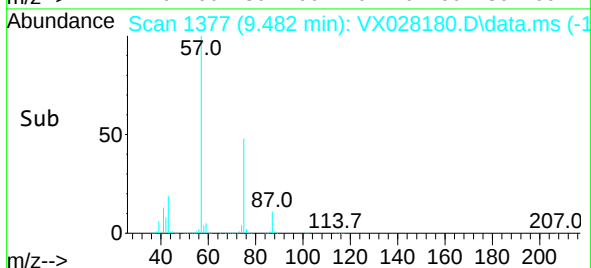
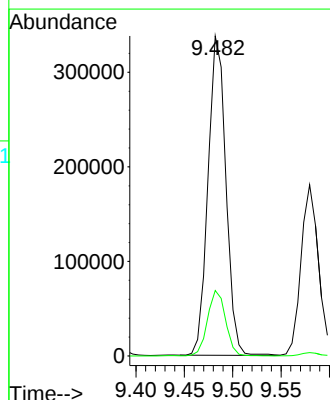
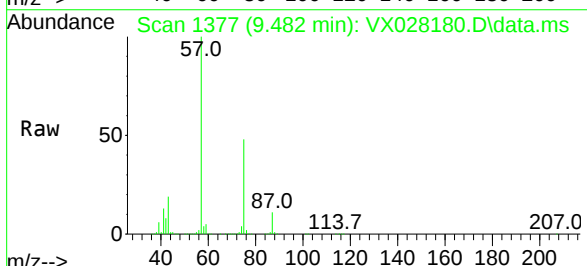
Acq: 19 Apr 2022 23:35

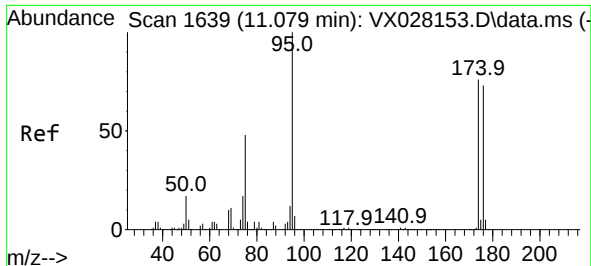
Tgt Ion: 43 Resp: 435800

Ion Ratio Lower Upper

43 100

58 20.6 31.9 95.7#

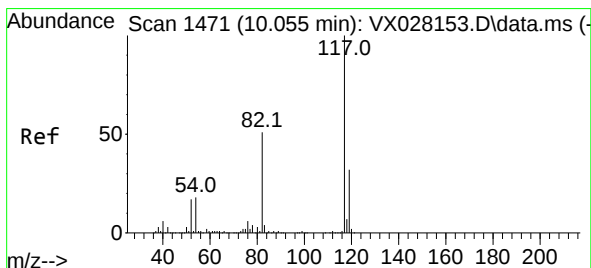
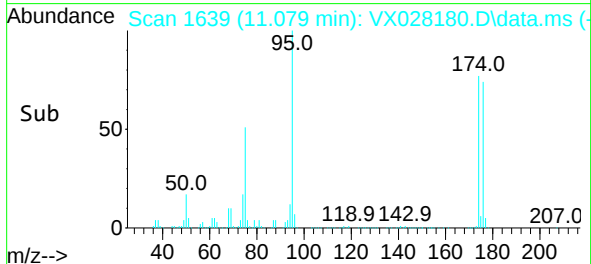
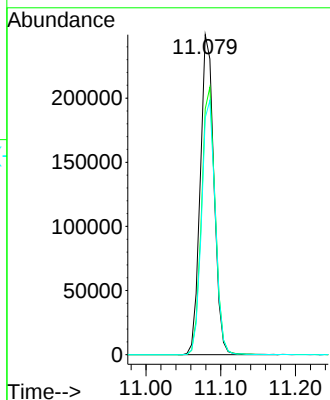
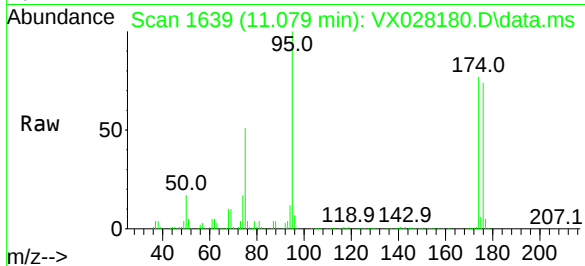




#62
4-Bromofluorobenzene
Concen: 44.644 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

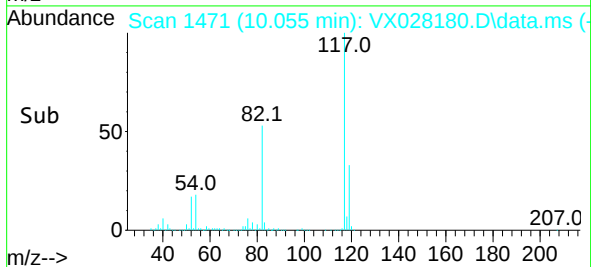
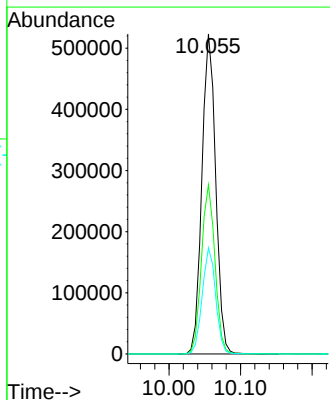
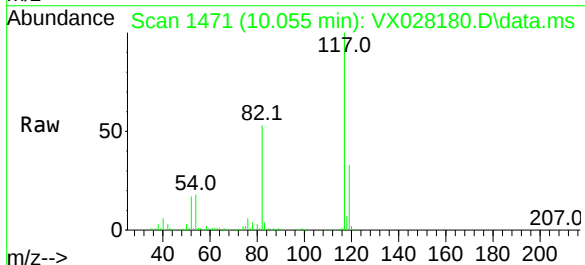
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#10

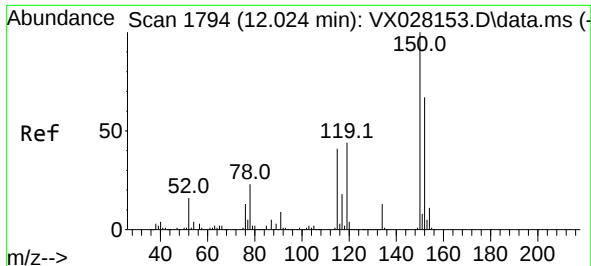
Tgt Ion: 95 Resp: 316885
Ion Ratio Lower Upper
95 100
174 83.6 0.0 163.0
176 80.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028180.D
Acq: 19 Apr 2022 23:35

Tgt Ion: 117 Resp: 700908
Ion Ratio Lower Upper
117 100
82 52.9 41.8 62.8
119 33.2 24.8 37.2

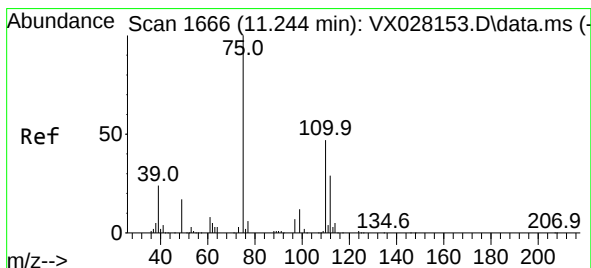
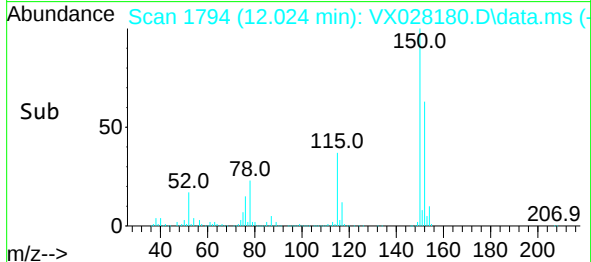
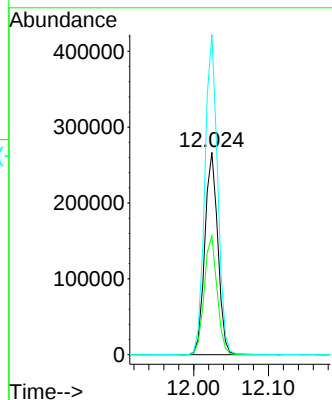
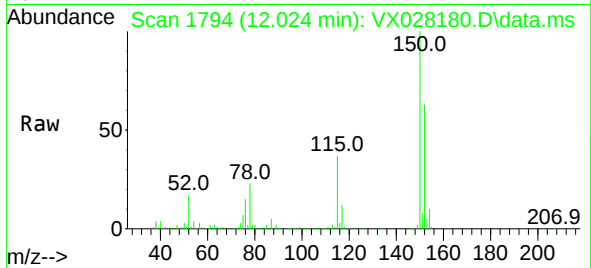




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028180.D
 Acq: 19 Apr 2022 23:35

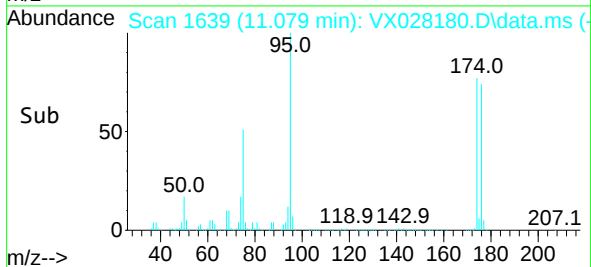
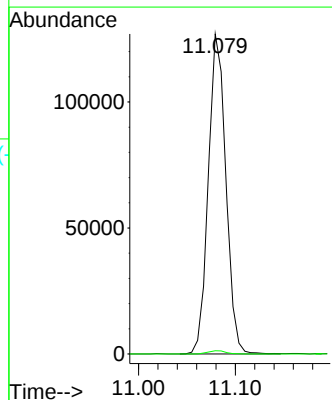
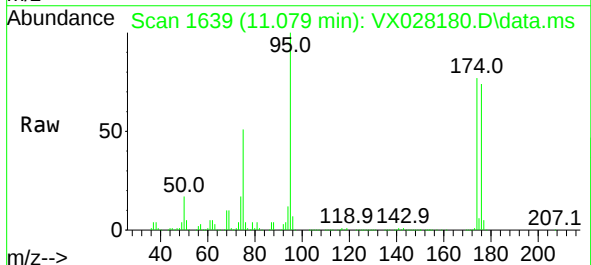
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#10

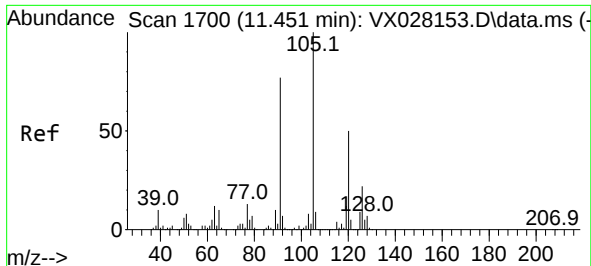
Tgt Ion:152 Resp: 322064
 Ion Ratio Lower Upper
 152 100
 115 58.3 37.5 112.7
 150 155.9 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 25.255 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028180.D
 Acq: 19 Apr 2022 23:35

Tgt Ion: 75 Resp: 160074
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#

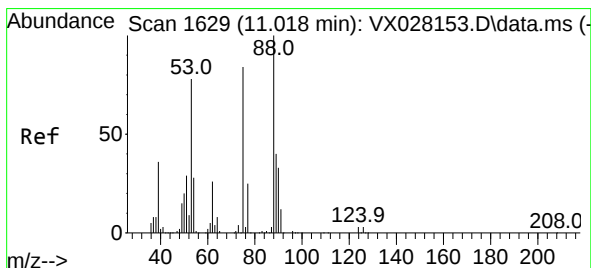
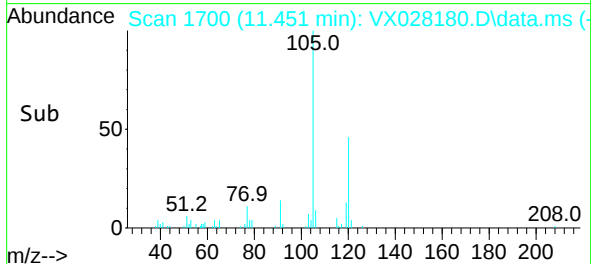
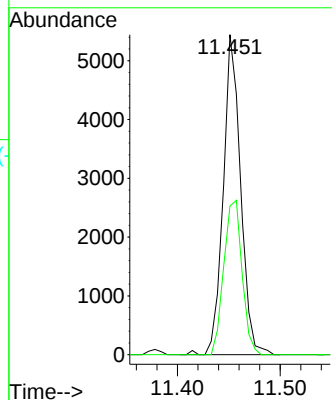
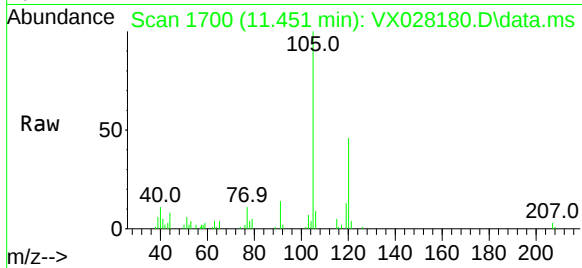




#80
 1,3,5-Trimethylbenzene
 Concen: 0.339 ug/l
 RT: 11.451 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028180.D
 Acq: 19 Apr 2022 23:35

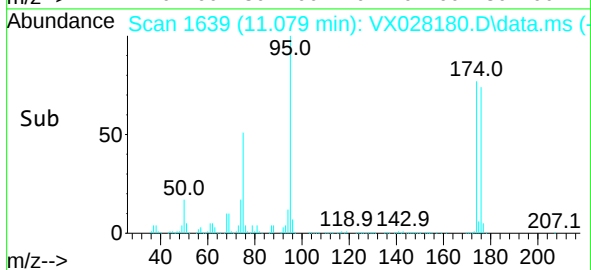
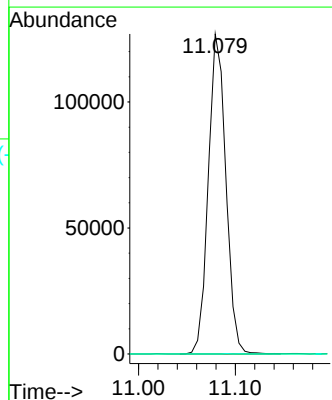
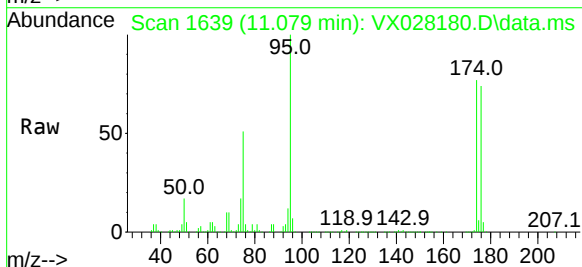
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#10

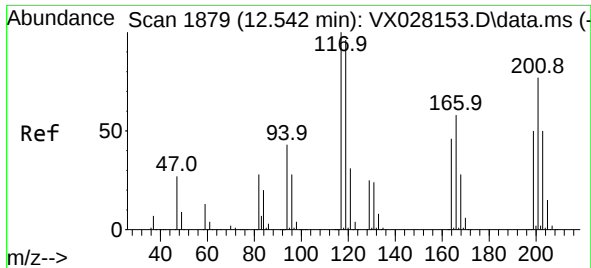
Tgt Ion:105 Resp: 6368
 Ion Ratio Lower Upper
 105 100
 120 50.6 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.050 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX028180.D
 Acq: 19 Apr 2022 23:35

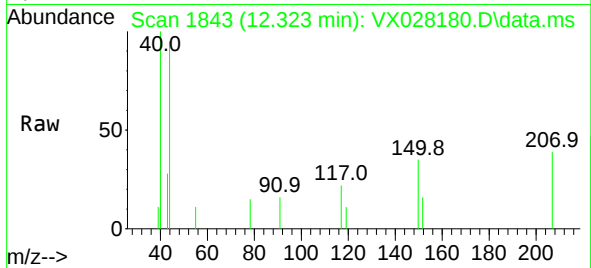
Tgt Ion: 75 Resp: 160074
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#





#90
 Hexachloroethane
 Concen: 1.835 ug/l
 RT: 12.323 min Scan# 11
 Delta R.T. -0.219 min
 Lab File: VX028180.D
 Acq: 19 Apr 2022 23:35

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#10



Tgt Ion:117 Resp: 78
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

