

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041922\
 Data File : VX028172.D
 Acq On : 19 Apr 2022 20:30
 Operator : JC/MD
 Sample : PB144164ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#02

Quant Time: Apr 20 08:18:48 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)

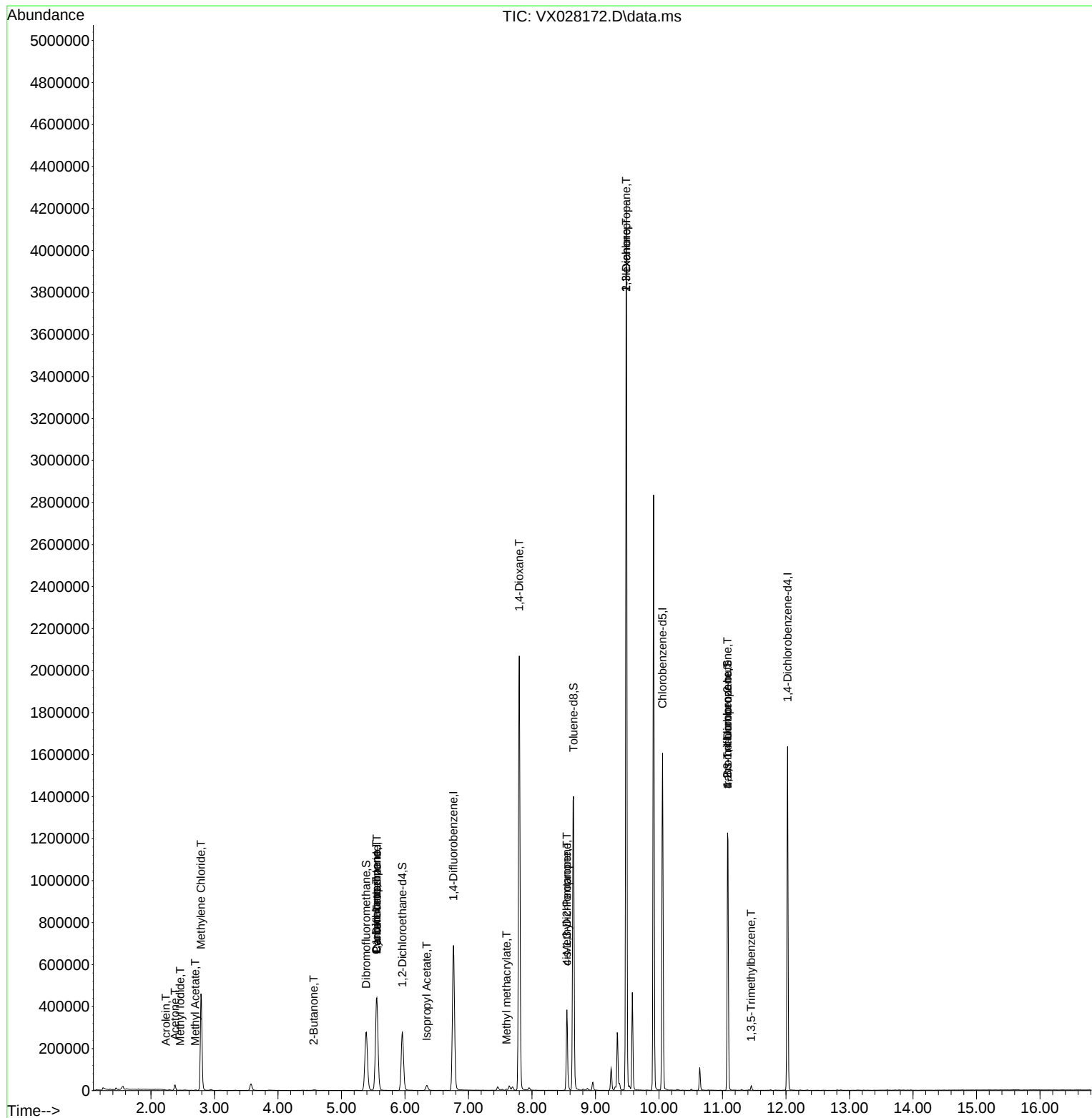
Internal Standards						
1) Pentafluorobenzene	5.556	168	432380	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	738367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	731969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	342526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	262856	46.624	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	93.240%		
35) Dibromofluoromethane	5.385	113	241217	46.584	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.160%		
50) Toluene-d8	8.653	98	885063	44.502	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.000%		
62) 4-Bromofluorobenzene	11.079	95	333917	43.911	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.820%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	476	Below Cal	#	42
5) Bromomethane	1.618	94	1210	Below Cal		94
6) Chloroethane	1.654	64	867	Below Cal	#	43
8) Diethyl Ether	2.136	74	337	Below Cal	#	25
10) Methyl Iodide	2.459	142	1402	5.497	ug/l #	92
11) Tert butyl alcohol	2.953	59	2574	Below Cal	#	84
13) Acrolein	2.233	56	348	0.504	ug/l #	82
16) Acetone	2.380	43	27718	14.783	ug/l #	86
18) Methyl Acetate	2.697	43	2389	0.477	ug/l	96
20) Methylene Chloride	2.788	84	221586	52.972	ug/l	99
25) 2-Butanone	4.562	43	4295	1.286	ug/l #	87
31) Cyclohexane	5.550	56	8633	1.257	ug/l #	18
36) 1,1-Dichloropropene	5.550	75	31016	4.592	ug/l #	50
38) Carbon Tetrachloride	5.556	117	42680	5.597	ug/l #	16
43) Isopropyl Acetate	6.342	43	32411	2.906	ug/l	98
48) Methyl methacrylate	7.598	41	7617	1.487	ug/l #	7
49) 1,4-Dioxane	7.799	88	392	2.861	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	118844	16.603	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	64462	7.741	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	40878	4.538	ug/l #	43
59) 2-Hexanone	9.482	43	458595	82.711	ug/l #	44
76) 1,2,3-Trichloropropane	11.079	75	165816	24.598	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	9078	0.454	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	165816	73.098	ug/l #	15

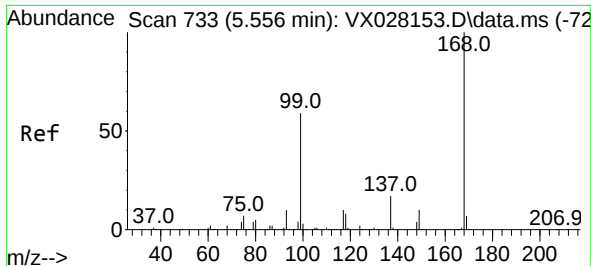
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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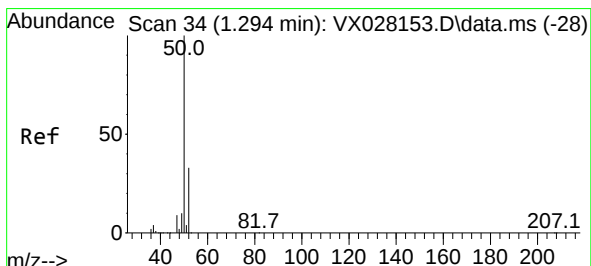
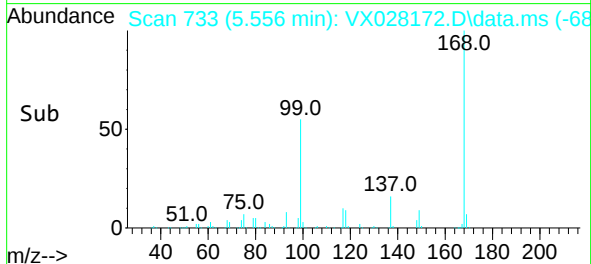
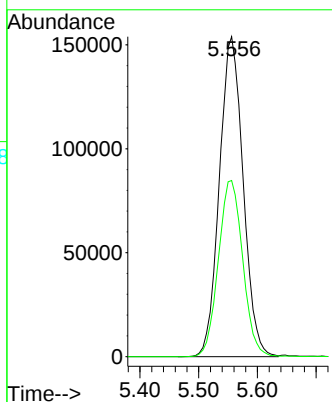
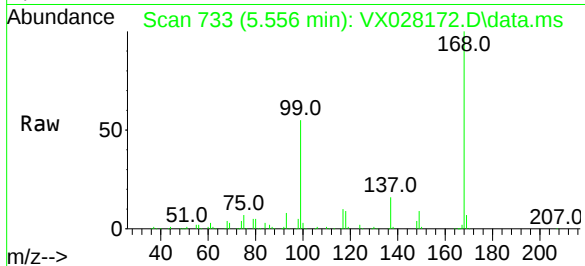




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

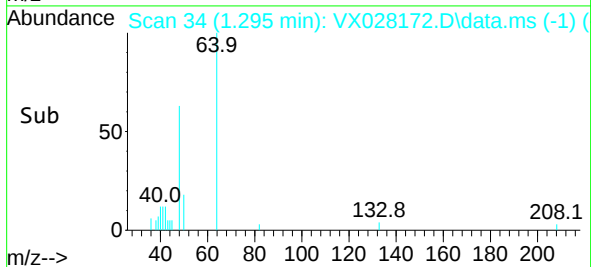
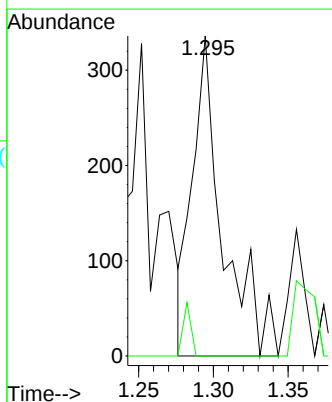
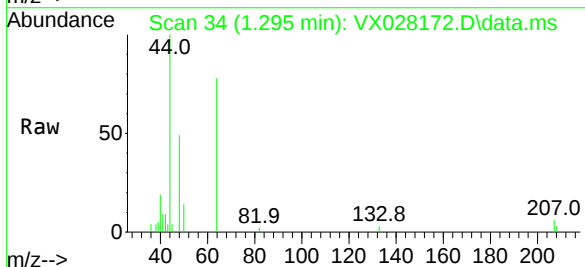
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#02

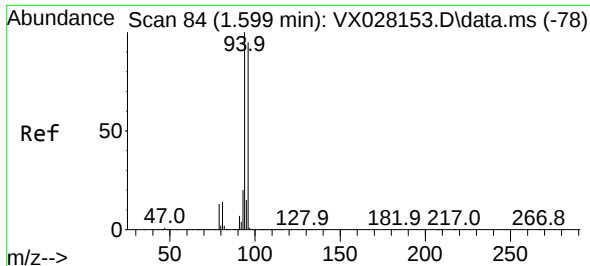
Tgt Ion:168 Resp: 432380
Ion Ratio Lower Upper
168 100
99 55.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Tgt Ion: 50 Resp: 476
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

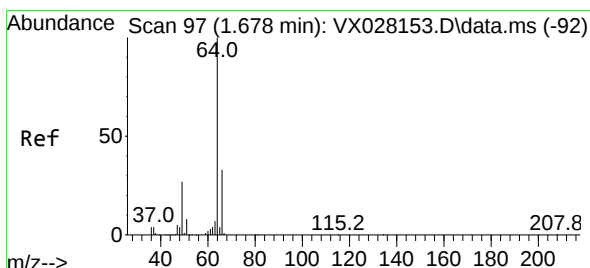
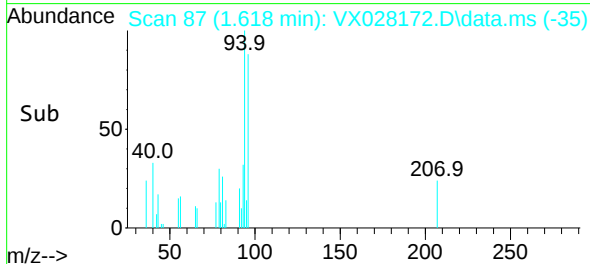
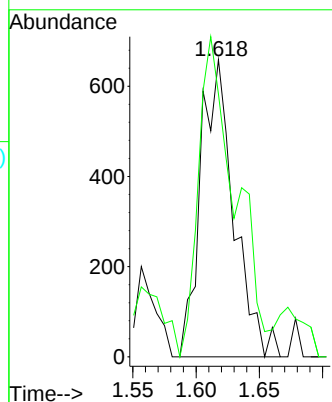
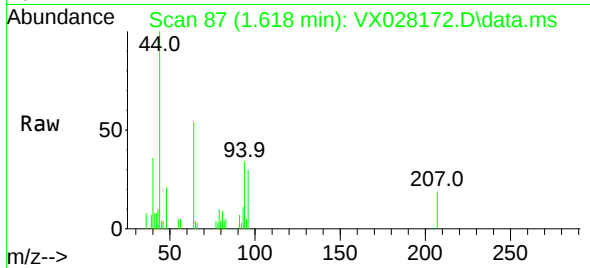




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

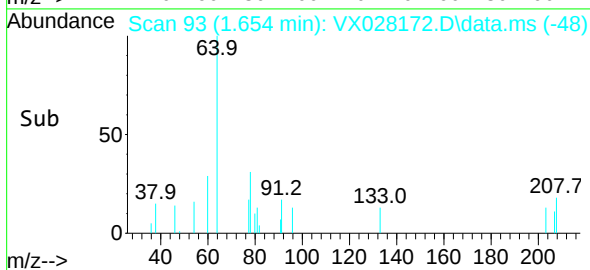
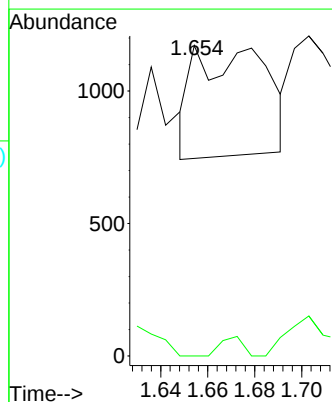
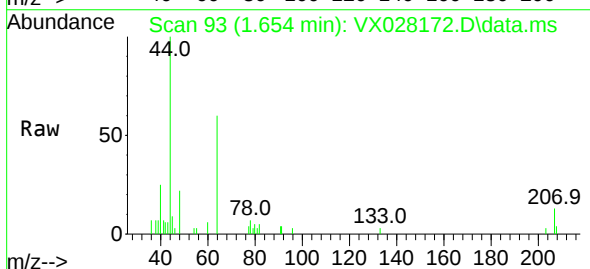
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#02

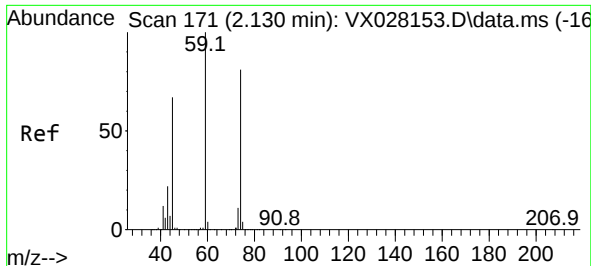
Tgt Ion: 94 Resp: 1210
Ion Ratio Lower Upper
94 100
96 88.5 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

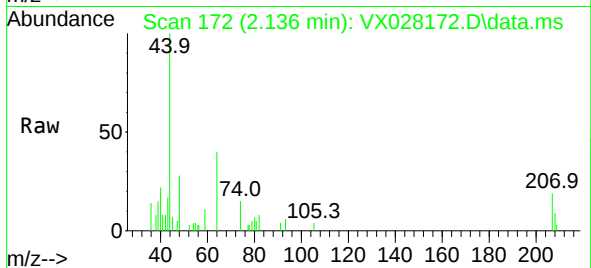
Tgt Ion: 64 Resp: 867
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



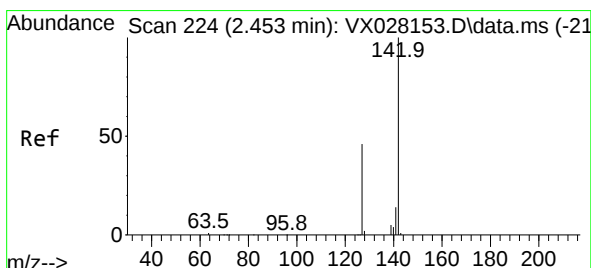
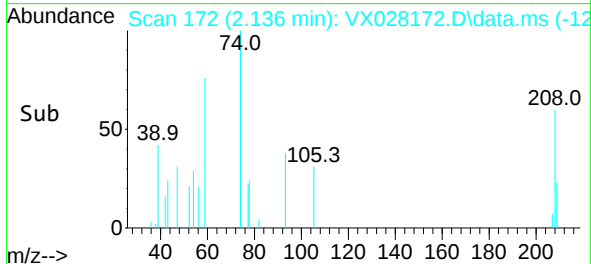
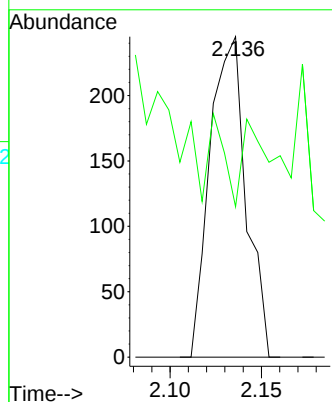


#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#02

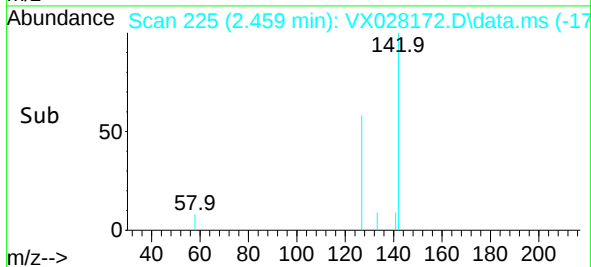
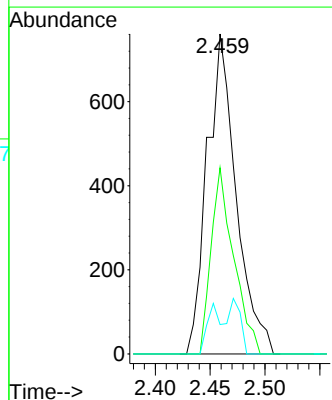
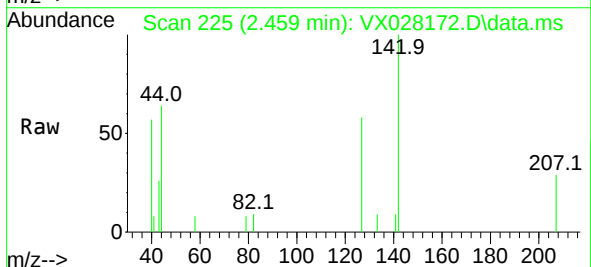


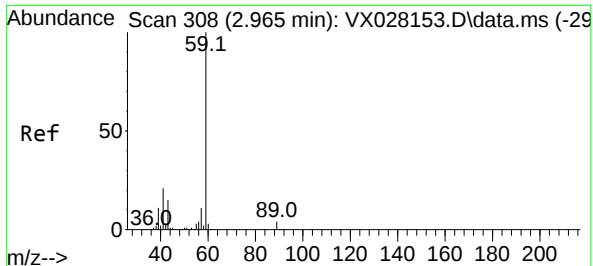
Tgt Ion: 74 Resp: 337
Ion Ratio Lower Upper
74 100
45 16.3 42.0 126.0#



#10
Methyl Iodide
Concen: 5.497 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Tgt Ion: 142 Resp: 1402
Ion Ratio Lower Upper
142 100
127 45.1 33.9 50.9
141 6.7 11.4 17.2#

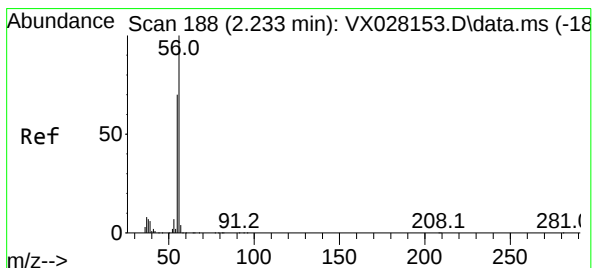
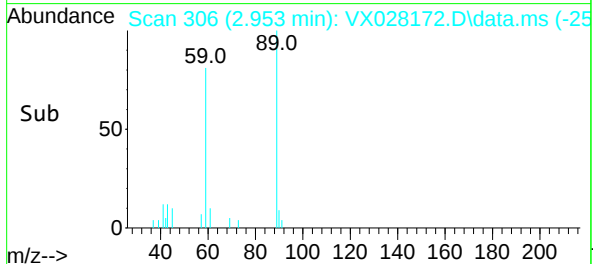
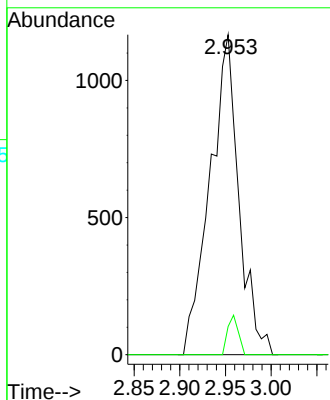
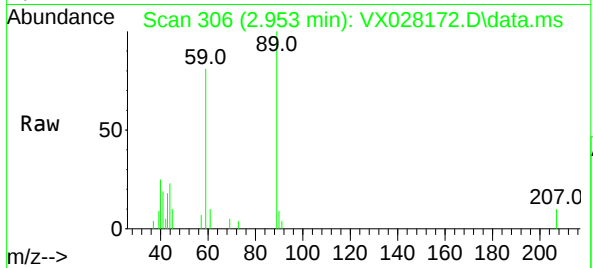




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

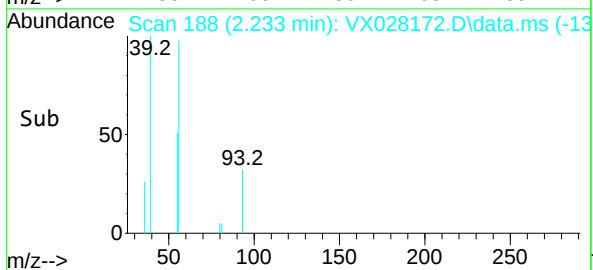
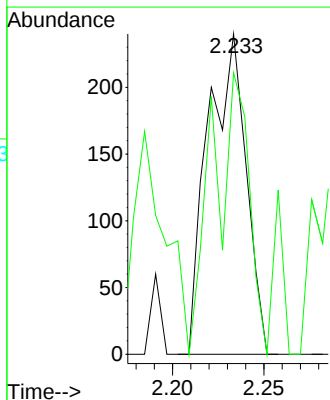
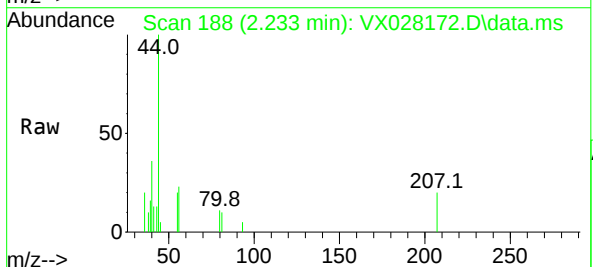
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#02

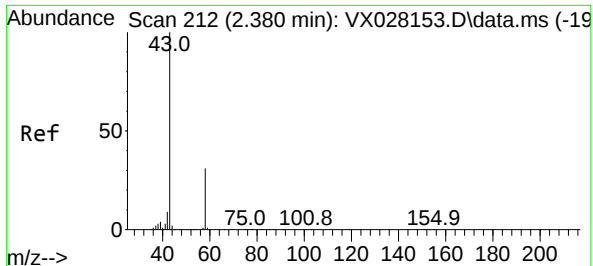
Tgt Ion: 59 Resp: 2574
Ion Ratio Lower Upper
59 100
57 4.5 8.3 12.5#



#13
Acrolein
Concen: 0.504 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Tgt Ion: 56 Resp: 348
Ion Ratio Lower Upper
56 100
55 83.6 55.0 82.6#

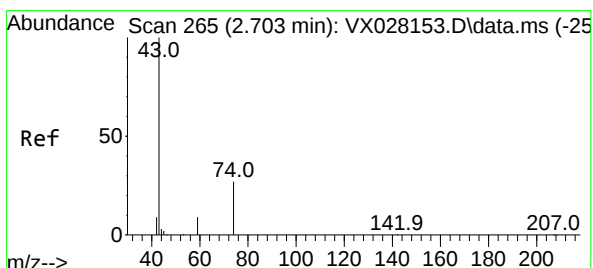
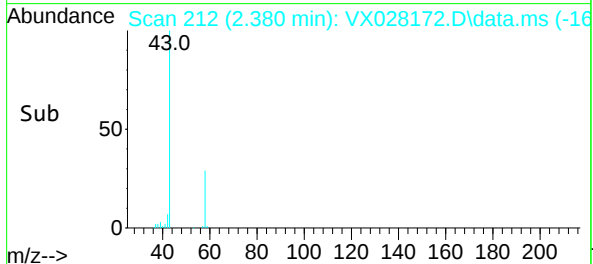
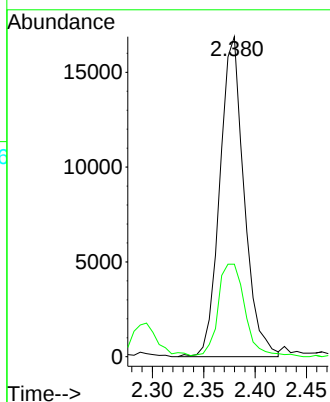
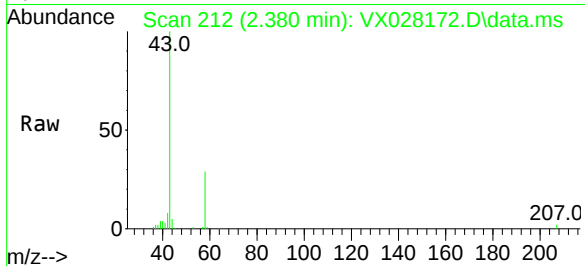




#16
Acetone
Concen: 14.783 ug/l
RT: 2.380 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

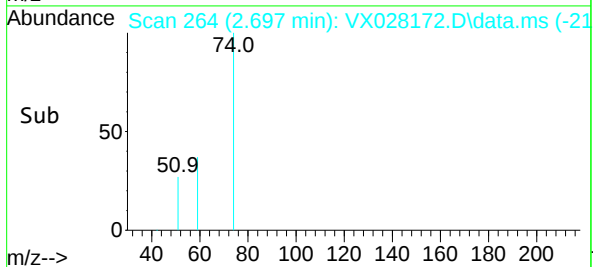
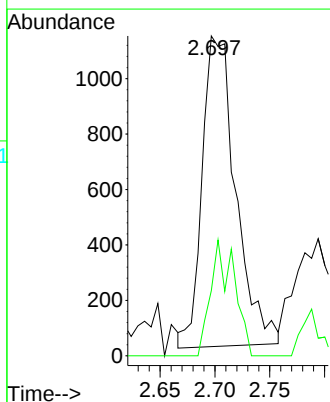
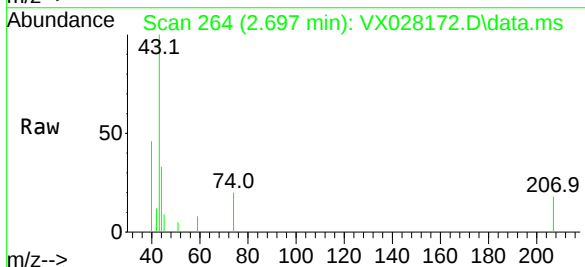
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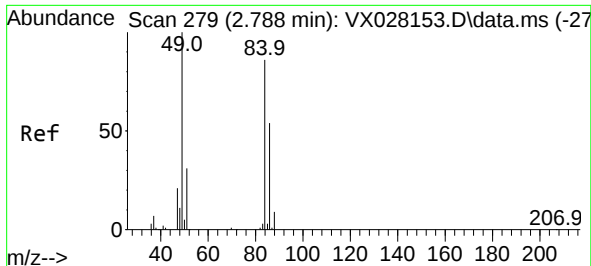
Tgt Ion: 43 Resp: 27718
Ion Ratio Lower Upper
43 100
58 27.9 28.8 43.2#



#18
Methyl Acetate
Concen: 0.477 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

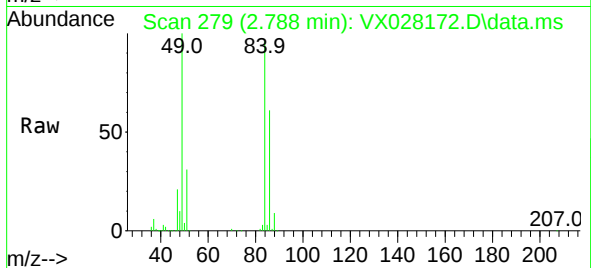
Tgt Ion: 43 Resp: 2389
Ion Ratio Lower Upper
43 100
74 26.2 22.8 34.2





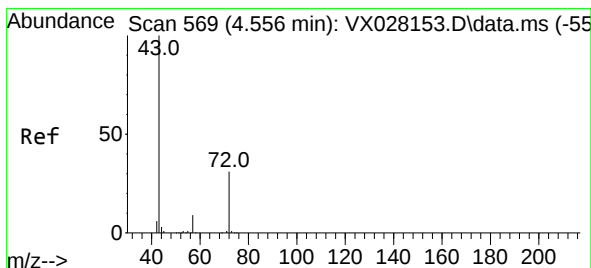
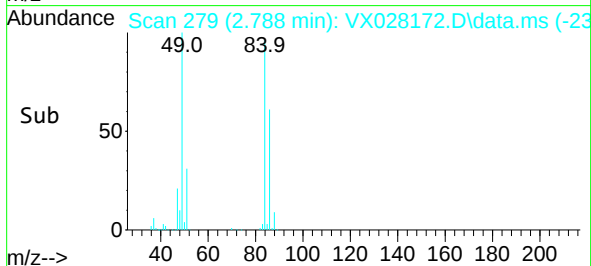
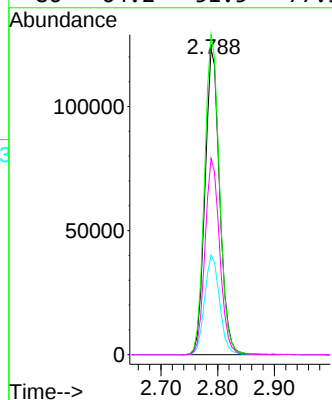
#20
Methylene Chloride
Concen: 52.972 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Instrument :
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ClientSampleId :
PB144164ZHE#02



Tgt Ion: 84 Resp: 221586

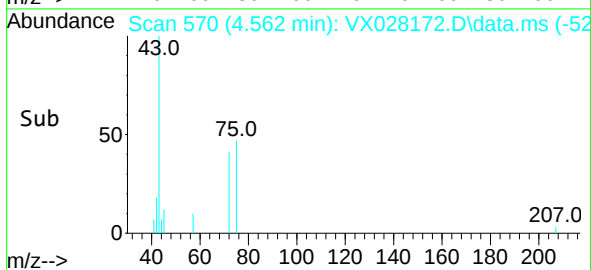
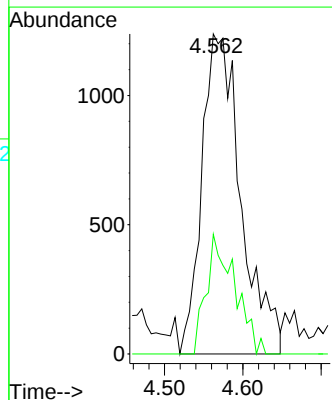
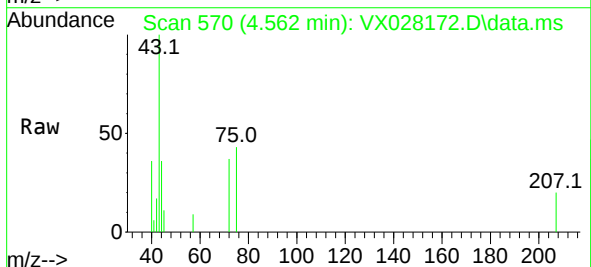
Ion	Ratio	Lower	Upper
84	100		
49	104.7	85.5	128.3
51	32.6	26.6	39.8
86	64.2	51.5	77.3

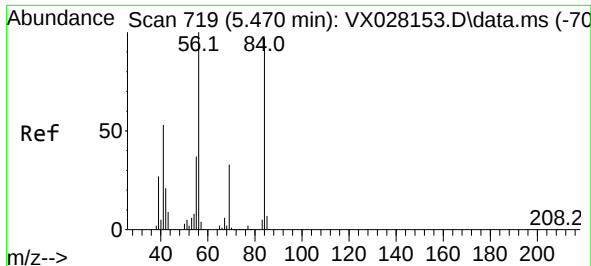


#25
2-Butanone
Concen: 1.286 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Tgt Ion: 43 Resp: 4295

Ion	Ratio	Lower	Upper
43	100		
72	37.4	24.4	36.6

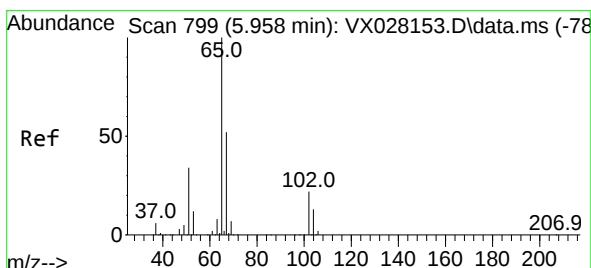
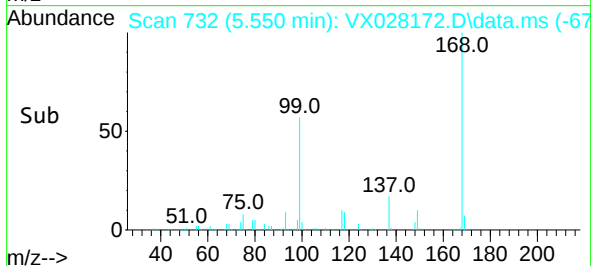
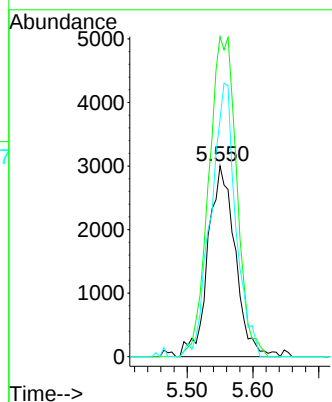
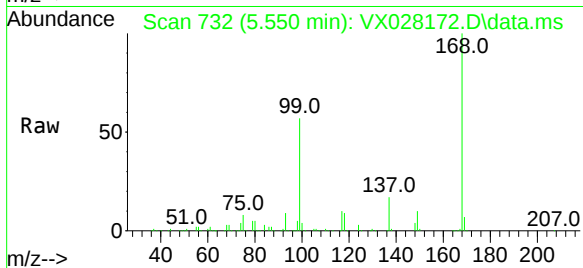




#31
Cyclohexane
Concen: 1.257 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

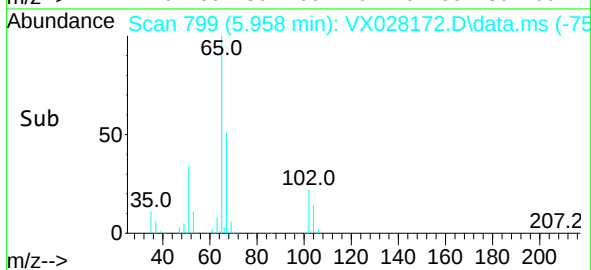
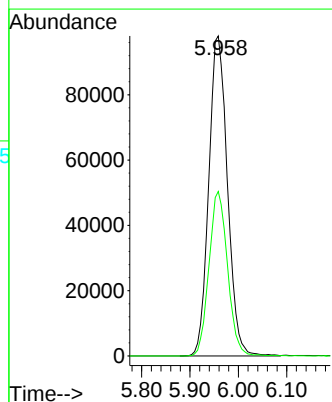
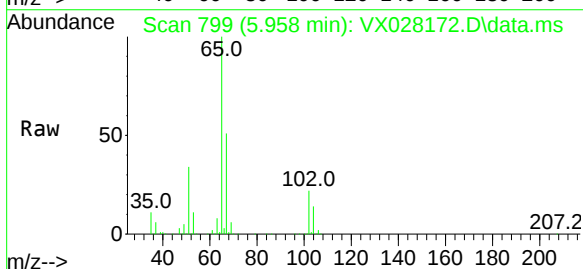
Instrument :
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PB144164ZHE#02

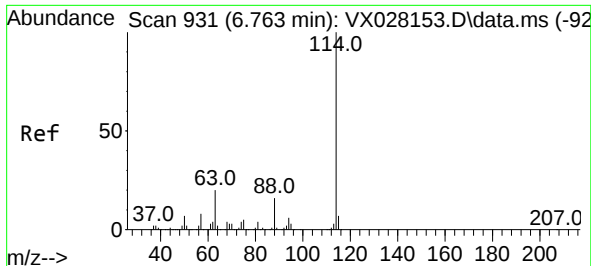
Tgt Ion: 56 Resp: 8633
Ion Ratio Lower Upper
56 100
69 167.8 26.7 40.1#
84 124.5 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 46.624 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

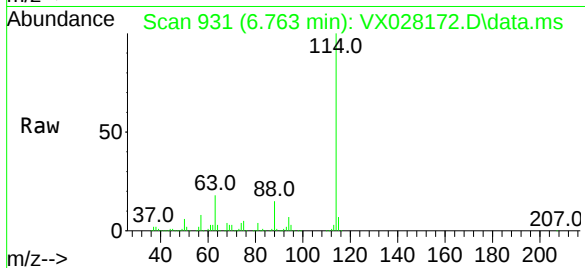
Tgt Ion: 65 Resp: 262856
Ion Ratio Lower Upper
65 100
67 51.1 0.0 107.4



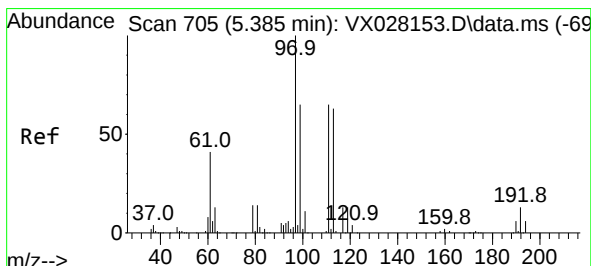
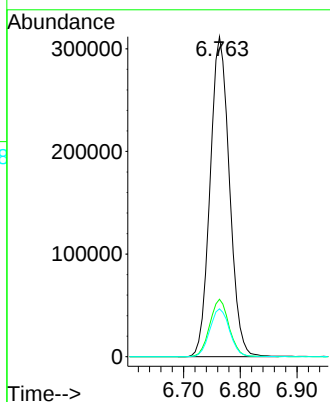
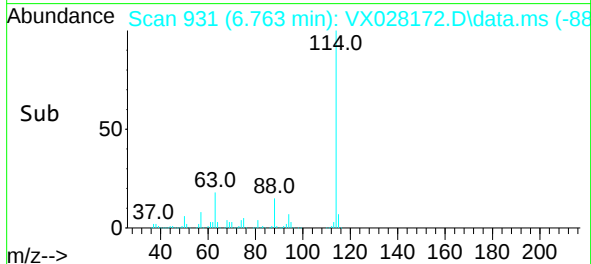


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#02

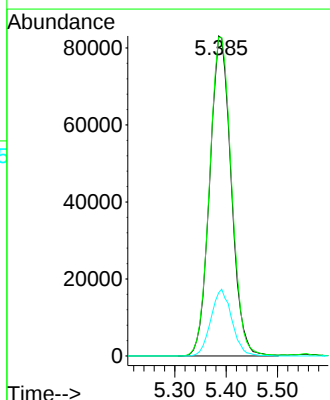
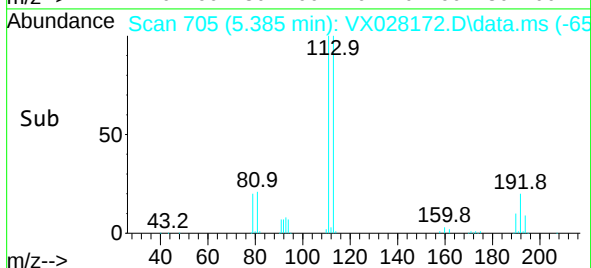
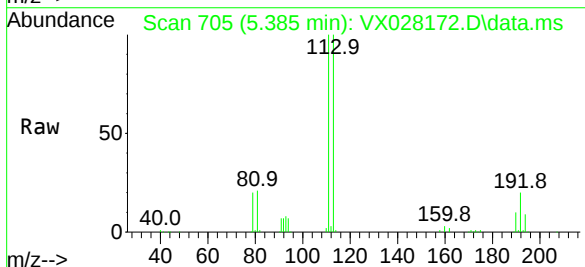


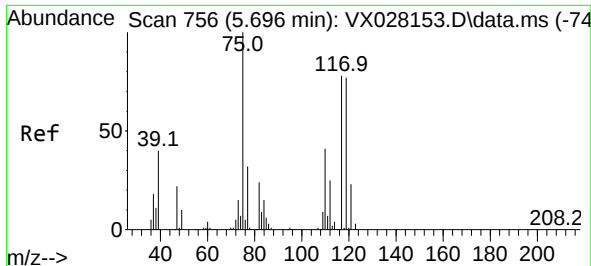
Tgt Ion:114 Resp: 738367
Ion Ratio Lower Upper
114 100
63 17.9 0.0 36.8
88 14.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.584 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Tgt Ion:113 Resp: 241217
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 20.3 16.9 25.3

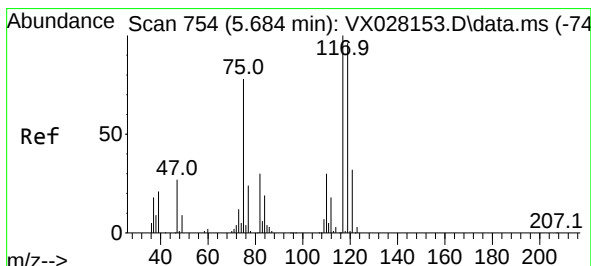
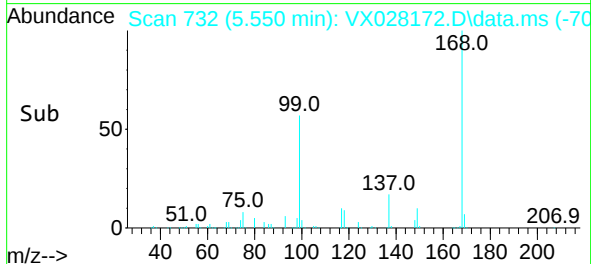
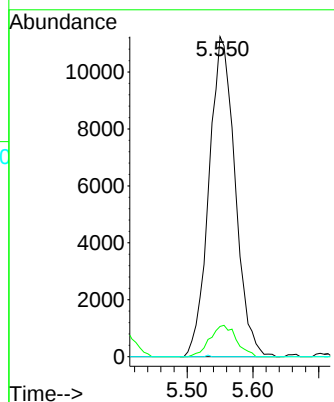
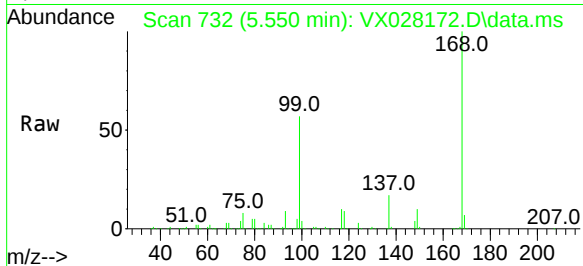




#36
1,1-Dichloropropene
Concen: 4.592 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

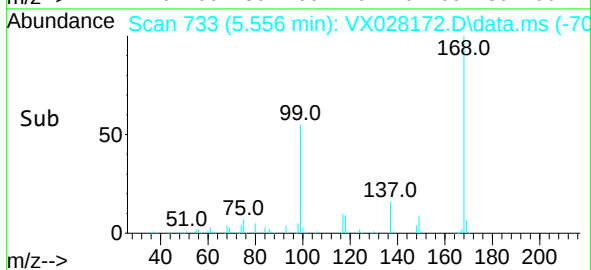
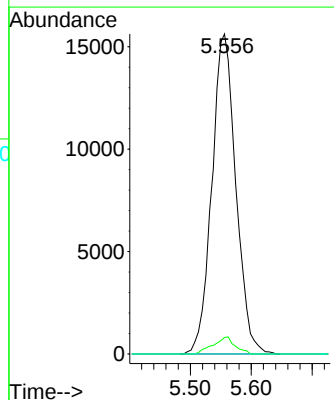
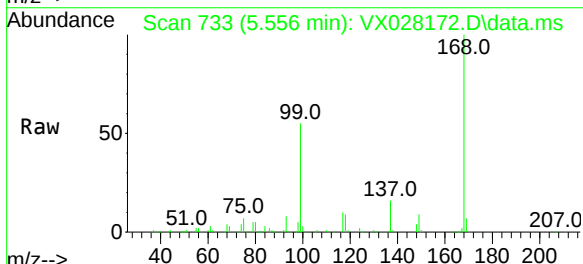
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#02

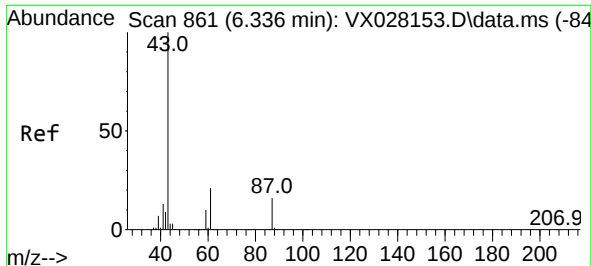
Tgt Ion: 75 Resp: 31016
Ion Ratio Lower Upper
75 100
110 10.0 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.597 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Tgt Ion: 117 Resp: 42680
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.2 36.2#

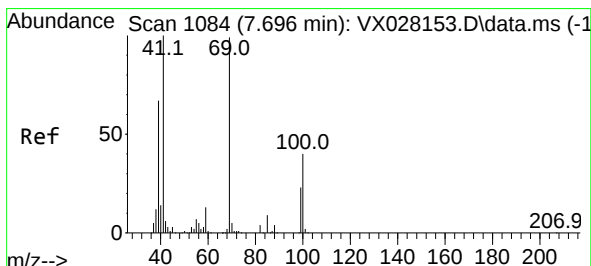
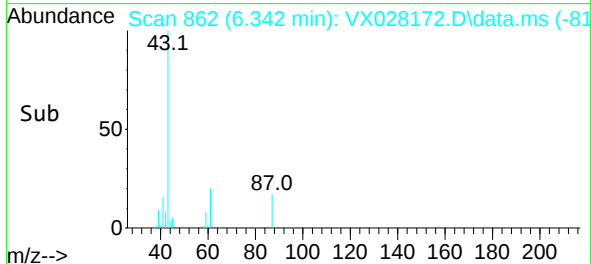
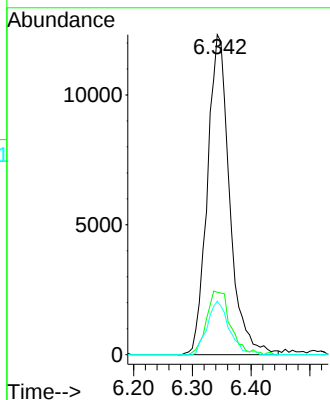
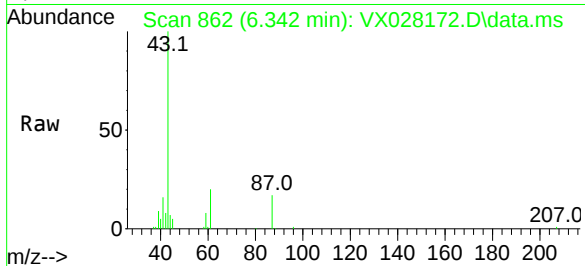




#43
Isopropyl Acetate
Concen: 2.906 ug/l
RT: 6.342 min Scan# 861
Delta R.T. 0.006 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

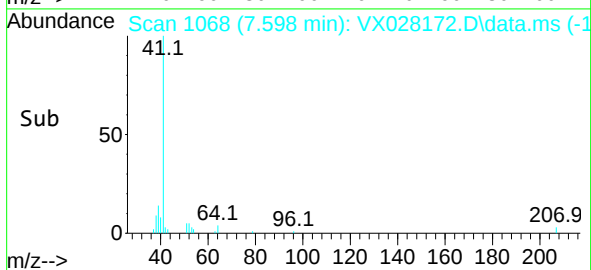
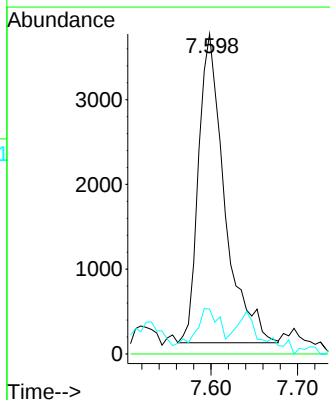
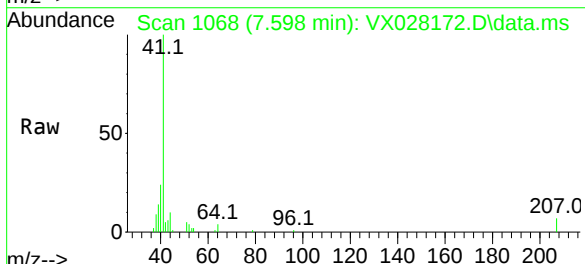
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#02

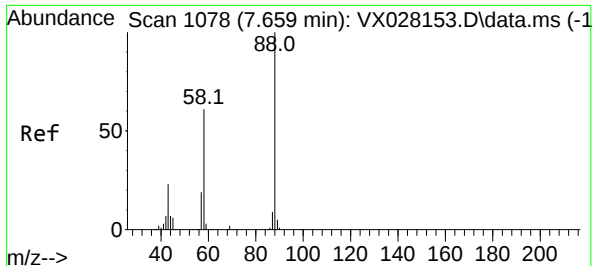
Tgt Ion: 43 Resp: 32411
Ion Ratio Lower Upper
43 100
61 21.2 18.5 27.7
87 16.4 13.0 19.6



#48
Methyl methacrylate
Concen: 1.487 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Tgt Ion: 41 Resp: 7617
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: 2.861 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028172.D

Acq: 19 Apr 2022 20:30

Instrument :

MSVOA_X

ClientSampleId :

PB144164ZHE#02

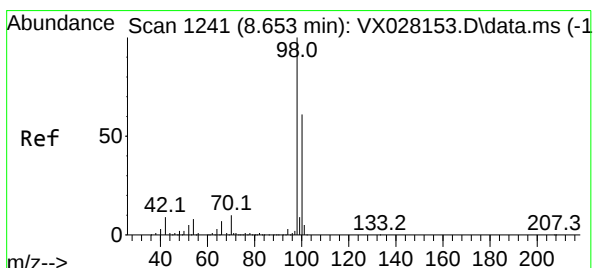
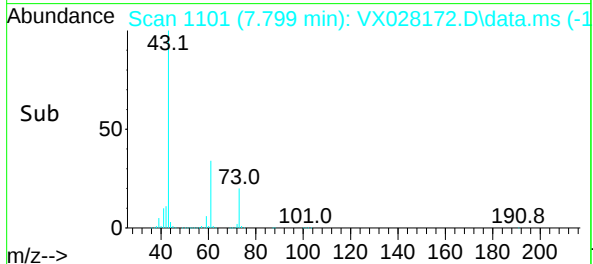
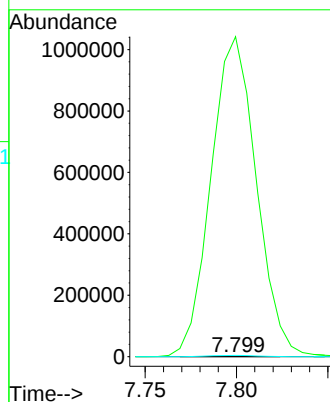
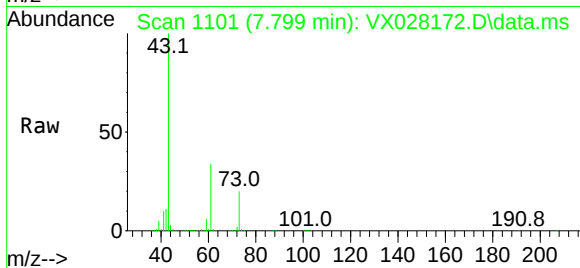
Tgt Ion: 88 Resp: 392

Ion Ratio Lower Upper

88 100

43 462114.3 21.9 32.9#

58 2014.0 53.7 80.5#



#50

Toluene-d8

Concen: 44.502 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028172.D

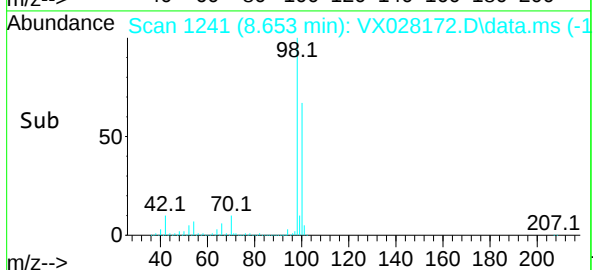
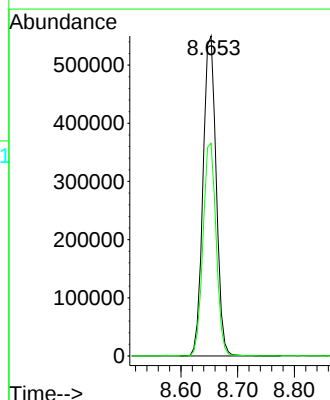
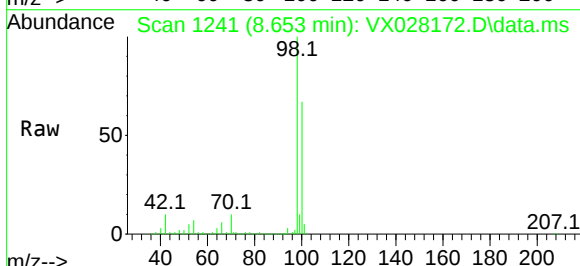
Acq: 19 Apr 2022 20:30

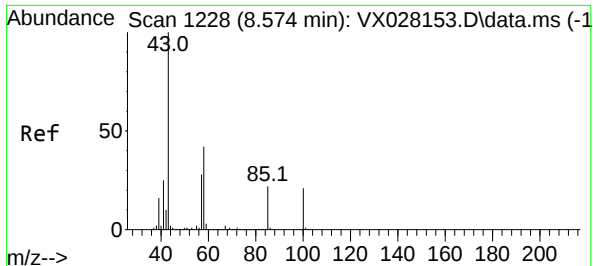
Tgt Ion: 98 Resp: 885063

Ion Ratio Lower Upper

98 100

100 66.4 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 16.603 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.025 min

Lab File: VX028172.D

Acq: 19 Apr 2022 20:30

Instrument :

MSVOA_X

ClientSampleId :

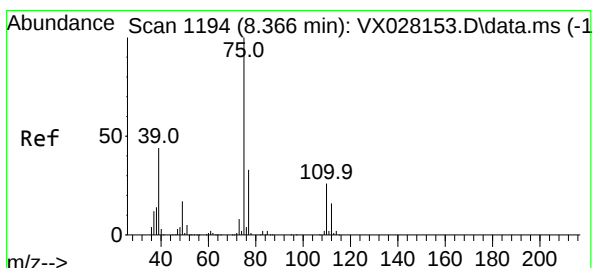
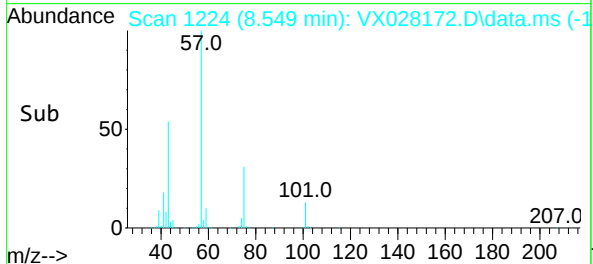
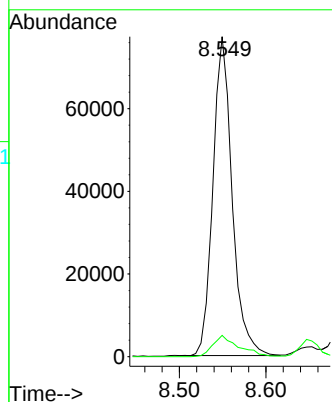
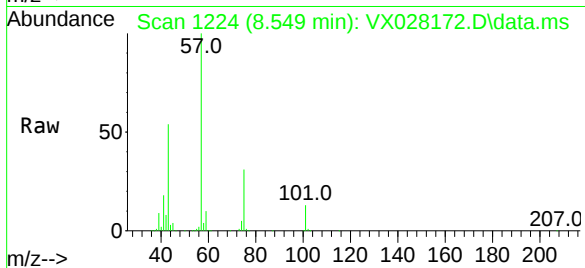
PB144164ZHE#02

Tgt Ion: 43 Resp: 118844

Ion Ratio Lower Upper

43 100

58 9.0 36.1 54.1#



#54

cis-1,3-Dichloropropene

Concen: 7.741 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX028172.D

Acq: 19 Apr 2022 20:30

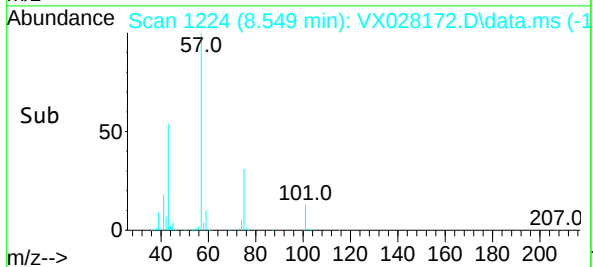
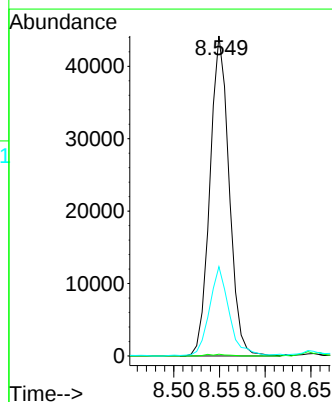
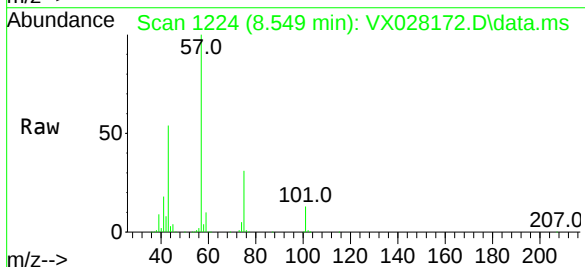
Tgt Ion: 75 Resp: 64462

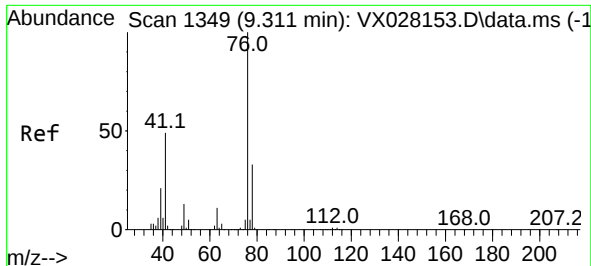
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 27.8 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.538 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028172.D

Acq: 19 Apr 2022 20:30

Instrument :

MSVOA_X

ClientSampleId :

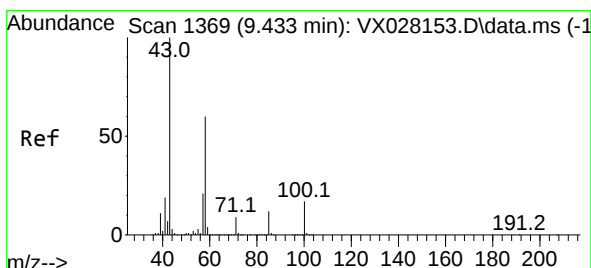
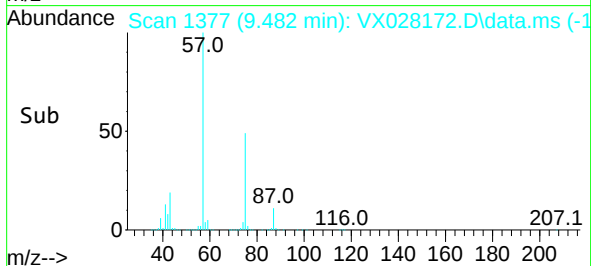
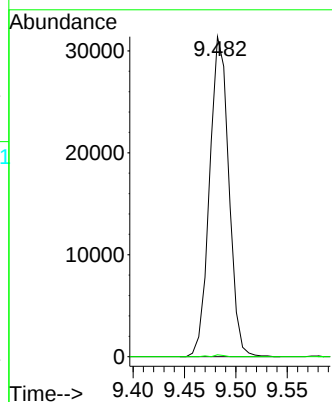
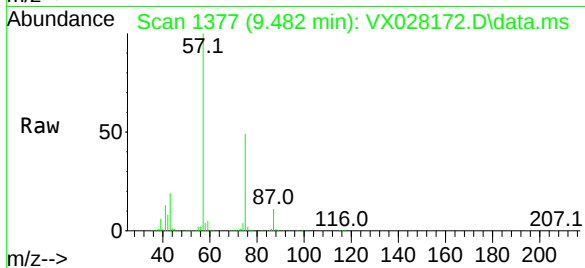
PB144164ZHE#02

Tgt Ion: 76 Resp: 40878

Ion Ratio Lower Upper

76 100

78 0.4 25.8 38.8#



#59

2-Hexanone

Concen: 82.711 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028172.D

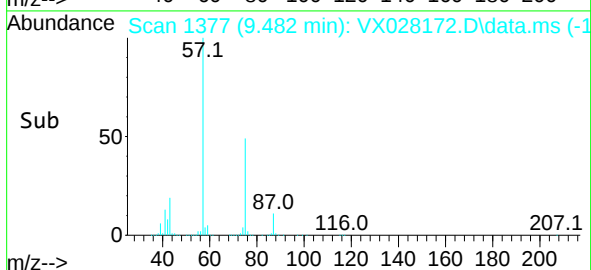
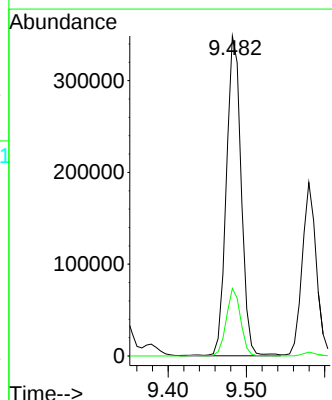
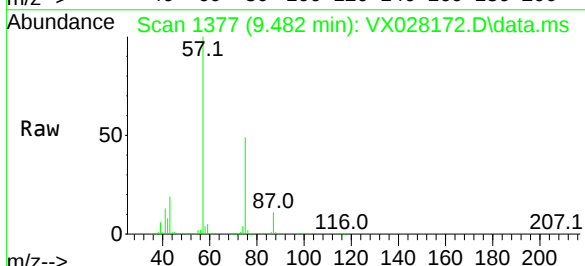
Acq: 19 Apr 2022 20:30

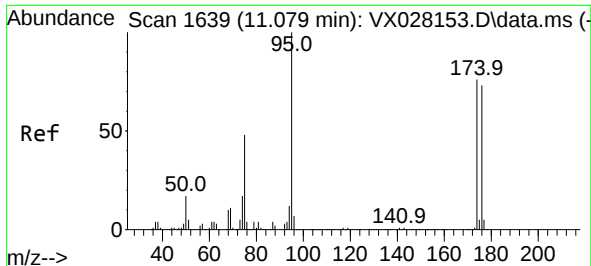
Tgt Ion: 43 Resp: 458595

Ion Ratio Lower Upper

43 100

58 20.2 31.9 95.7#

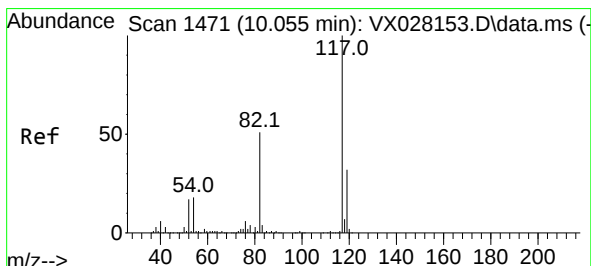
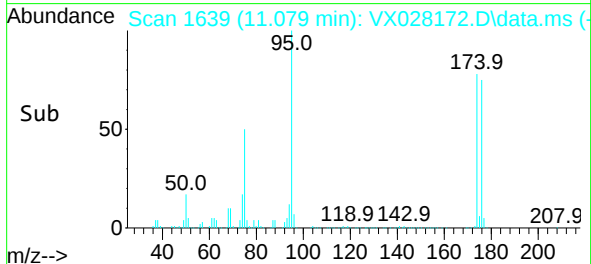
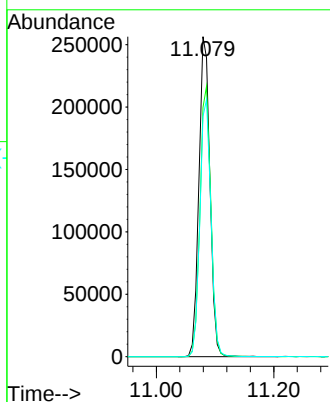
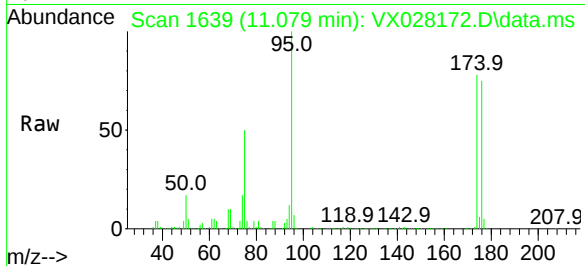




#62
4-Bromofluorobenzene
Concen: 43.911 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

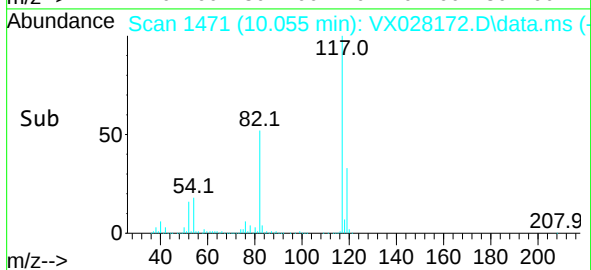
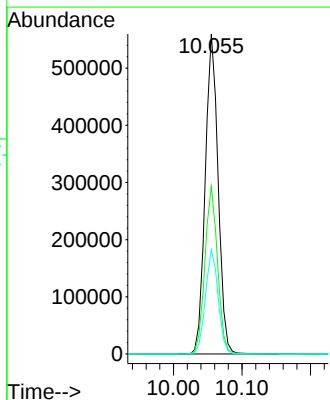
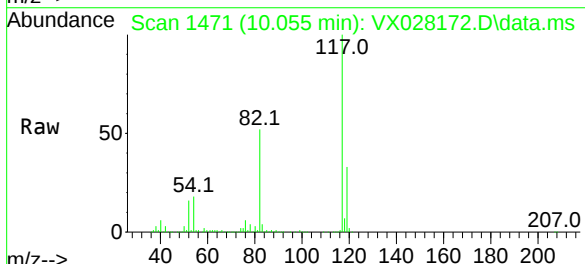
Instrument :
MSVOA_X
ClientSampleId :
PB144164ZHE#02

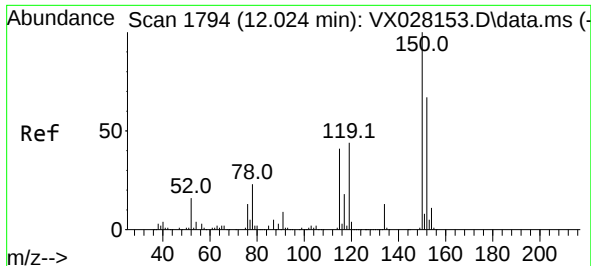
Tgt Ion: 95 Resp: 333917
Ion Ratio Lower Upper
95 100
174 83.7 0.0 163.0
176 81.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028172.D
Acq: 19 Apr 2022 20:30

Tgt Ion: 117 Resp: 731969
Ion Ratio Lower Upper
117 100
82 52.4 41.8 62.8
119 32.5 24.8 37.2

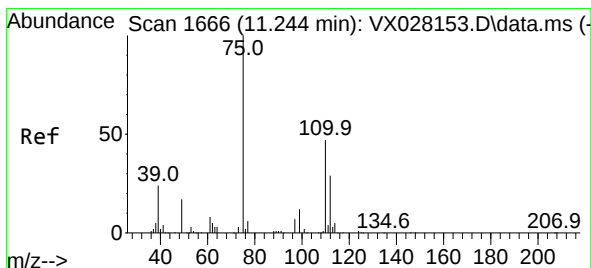
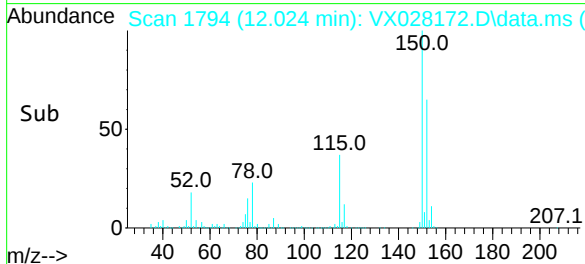
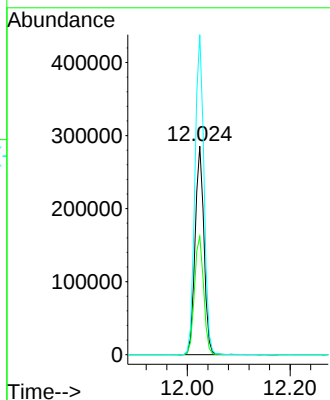
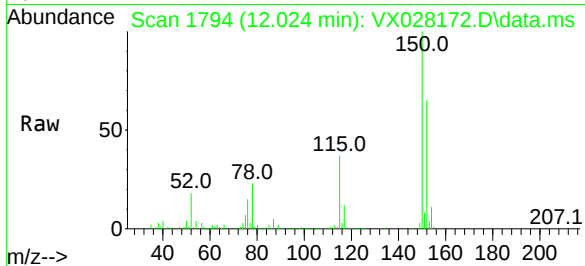




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028172.D
 Acq: 19 Apr 2022 20:30

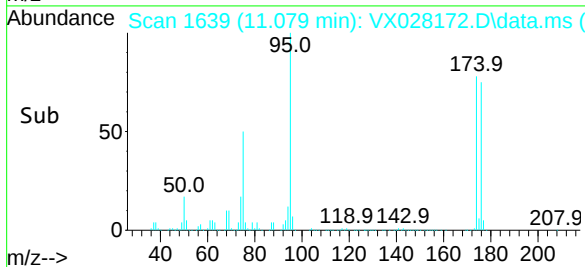
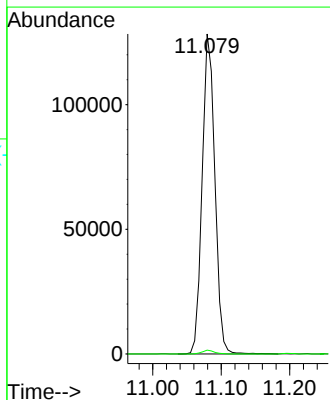
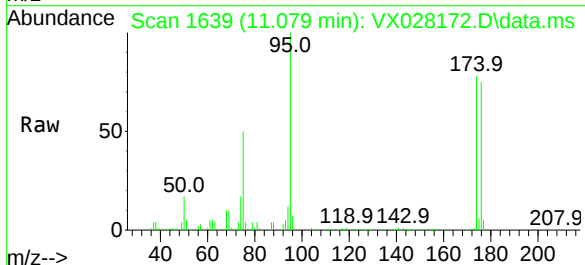
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144164ZHE#02

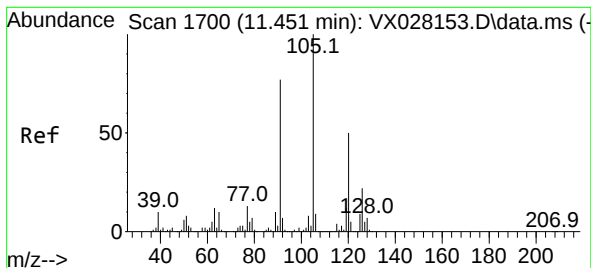
Tgt Ion:152 Resp: 342526
 Ion Ratio Lower Upper
 152 100
 115 58.6 37.5 112.7
 150 156.6 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.598 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028172.D
 Acq: 19 Apr 2022 20:30

Tgt Ion: 75 Resp: 165816
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.454 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028172.D

Acq: 19 Apr 2022 20:30

Instrument :

MSVOA_X

ClientSampleId :

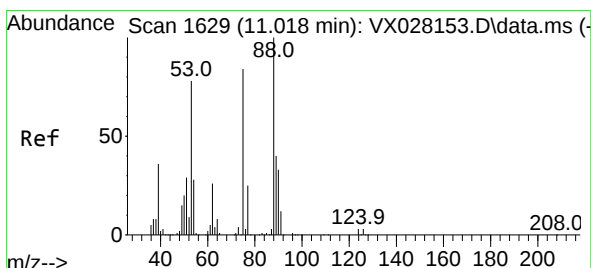
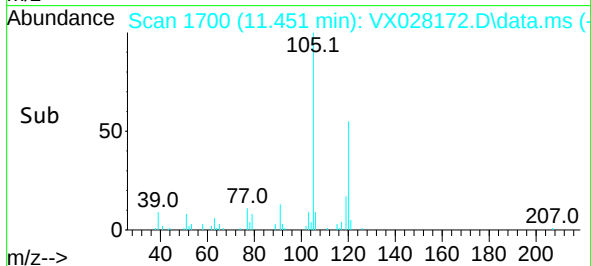
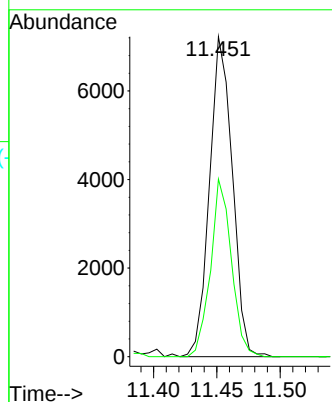
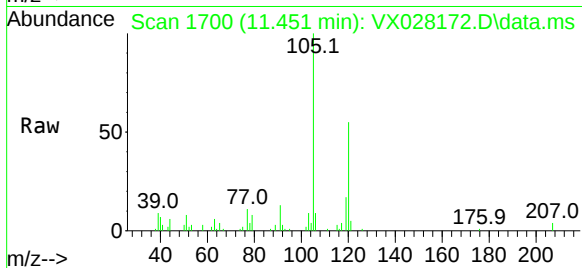
PB144164ZHE#02

Tgt Ion:105 Resp: 9078

Ion Ratio Lower Upper

105 100

120 50.8 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 73.098 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028172.D

Acq: 19 Apr 2022 20:30

Tgt Ion: 75 Resp: 165816

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

