

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042022\
 Data File : VX028228.D
 Acq On : 21 Apr 2022 04:11
 Operator : JC/MD
 Sample : PB144231ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#10

Quant Time: Apr 21 06:23:00 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)

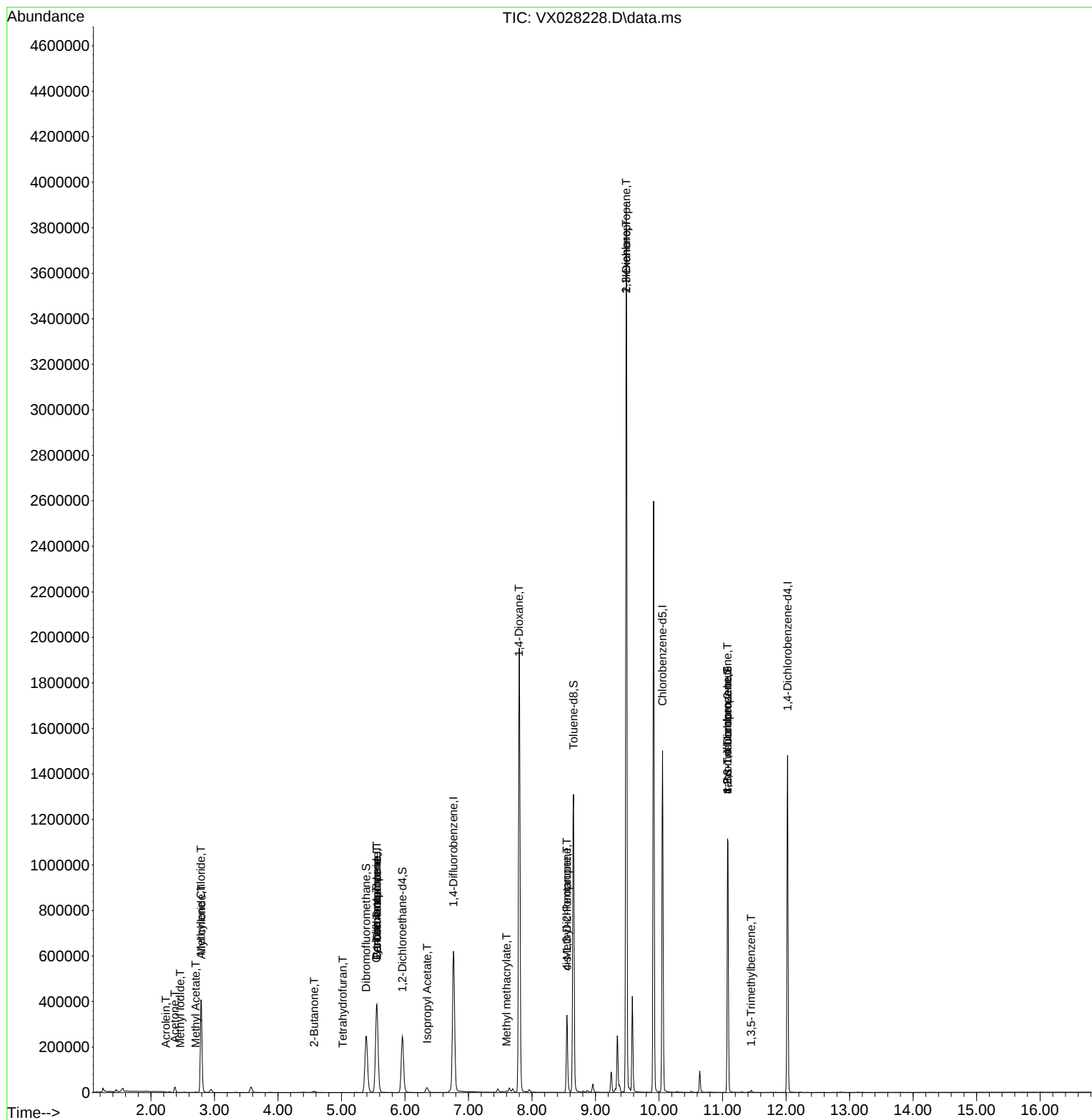
Internal Standards						
1) Pentafluorobenzene	5.556	168	373886	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	659833	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	681027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	308942	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	234288	48.059	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.120%		
35) Dibromofluoromethane	5.385	113	217775	47.062	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.120%		
50) Toluene-d8	8.653	98	807171	45.416	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	90.840%		
62) 4-Bromofluorobenzene	11.079	95	299891	44.130	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.260%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	308	Below Cal	#	70
5) Bromomethane	1.618	94	869	Below Cal		83
6) Chloroethane	1.697	64	291	Below Cal		89
8) Diethyl Ether	2.142	74	72	Below Cal	#	1
10) Methyl Iodide	2.459	142	303	5.300	ug/l #	67
11) Tert butyl alcohol	2.947	59	8058	Below Cal	#	75
13) Acrolein	2.233	56	191	0.320	ug/l	91
14) Allyl chloride	2.794	41	5636	1.169	ug/l #	28
16) Acetone	2.374	43	25056	15.518	ug/l	91
18) Methyl Acetate	2.703	43	2280	0.526	ug/l	99
20) Methylene Chloride	2.788	84	196453	54.311	ug/l	98
25) 2-Butanone	4.568	43	4236	1.467	ug/l #	82
29) Tetrahydrofuran	5.019	42	473	0.251	ug/l #	30
31) Cyclohexane	5.550	56	7545	1.270	ug/l #	29
36) 1,1-Dichloropropene	5.556	75	27898	4.622	ug/l #	50
38) Carbon Tetrachloride	5.556	117	38490	5.649	ug/l #	15
43) Isopropyl Acetate	6.348	43	29073	2.917	ug/l	97
48) Methyl methacrylate	7.598	41	7235	1.581	ug/l #	7
49) 1,4-Dioxane	7.793	88	304	2.483	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	108865	17.020	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	57641	7.746	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	37963	4.716	ug/l #	43
59) 2-Hexanone	9.482	43	422926	85.357	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	148683	24.454	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.451	105	3937	0.218	ug/l	92
81) trans-1,4-Dichloro-2-b...	11.079	75	148683	72.670	ug/l #	15

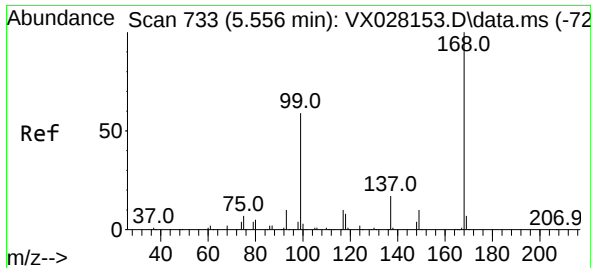
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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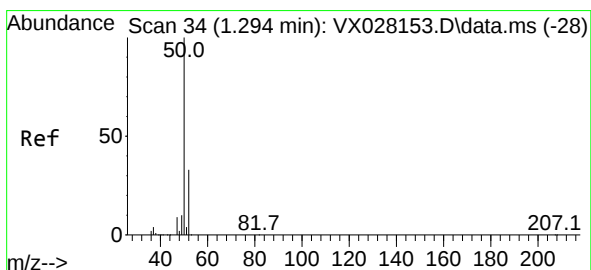
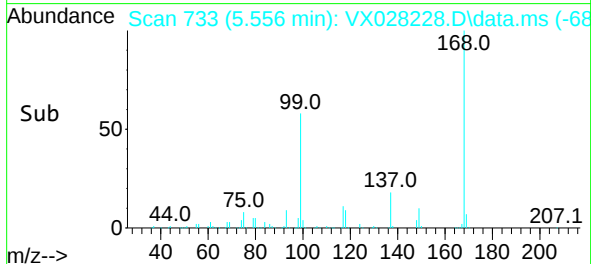
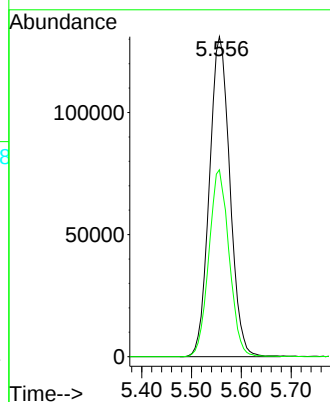
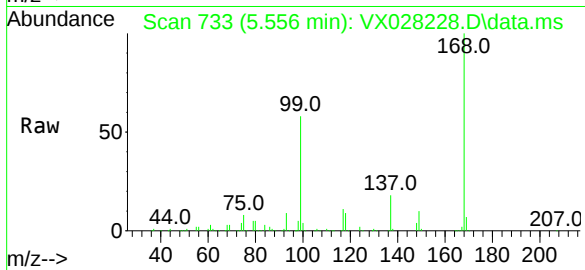




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

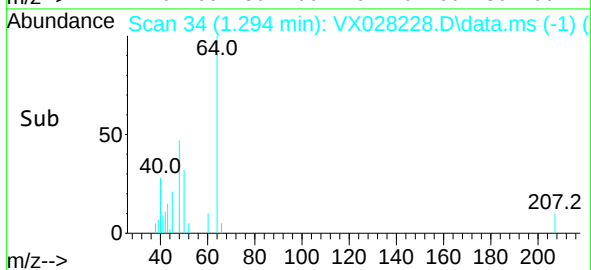
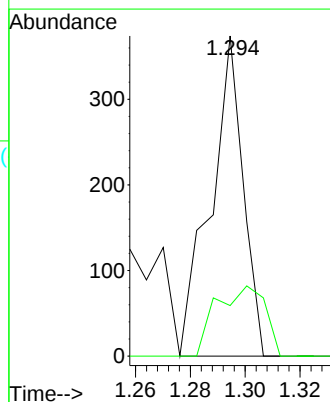
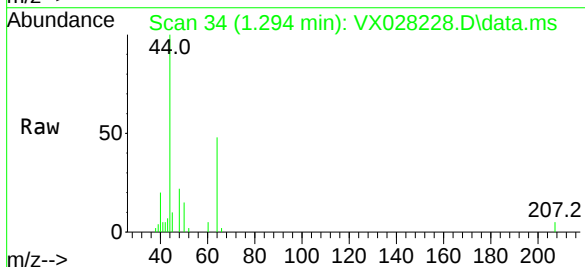
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

Tgt Ion:168 Resp: 373886
Ion Ratio Lower Upper
168 100
99 58.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 50 Resp: 308
Ion Ratio Lower Upper
50 100
52 15.8 26.4 39.6#

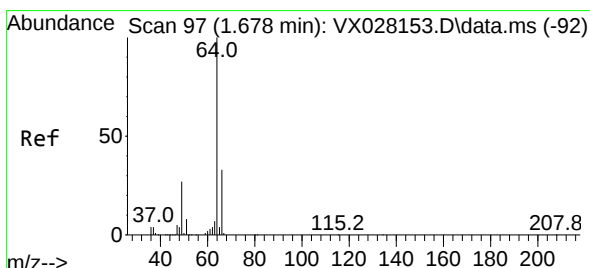
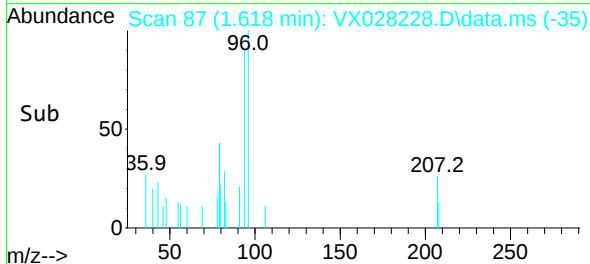
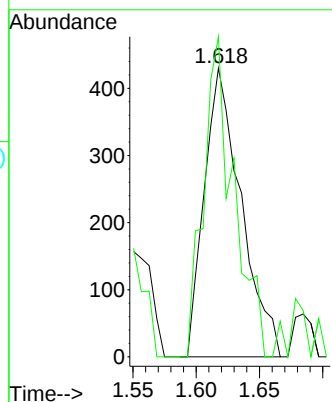
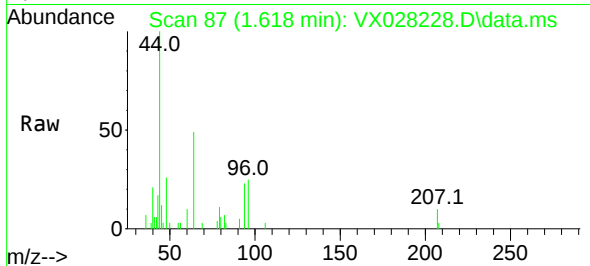




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

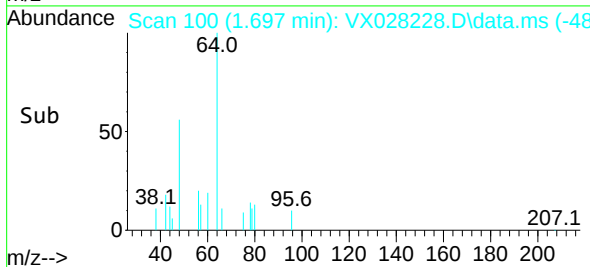
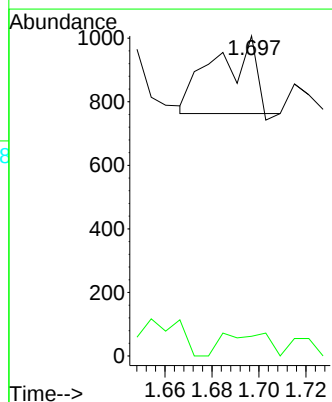
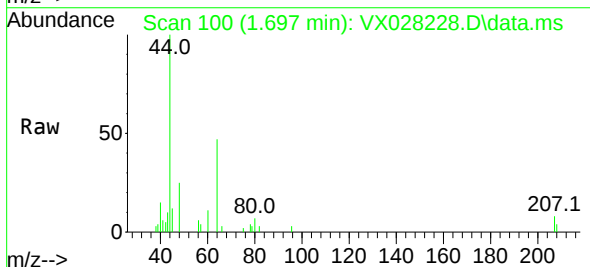
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

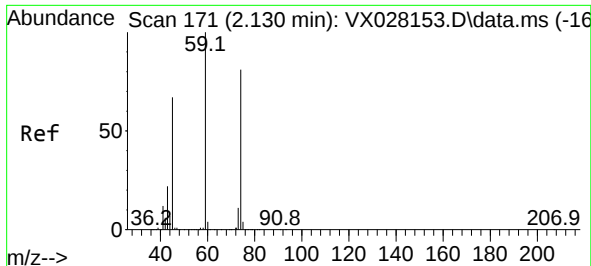
Tgt Ion: 94 Resp: 869
Ion Ratio Lower Upper
94 100
96 110.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

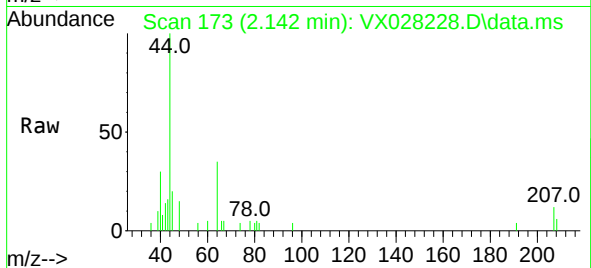
Tgt Ion: 64 Resp: 291
Ion Ratio Lower Upper
64 100
66 25.4 25.3 37.9



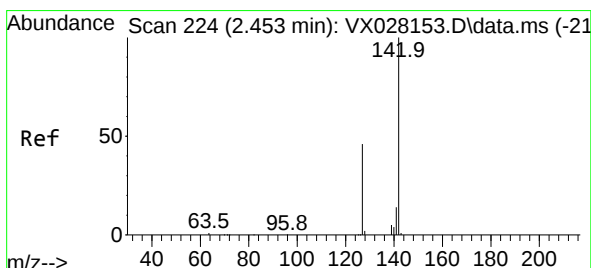
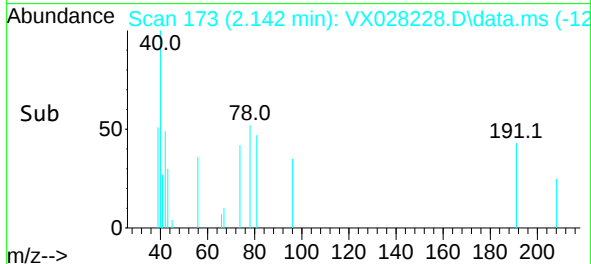
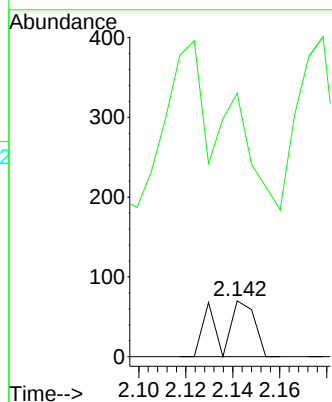


#8
Diethyl Ether
Concen: Below Cal
RT: 2.142 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

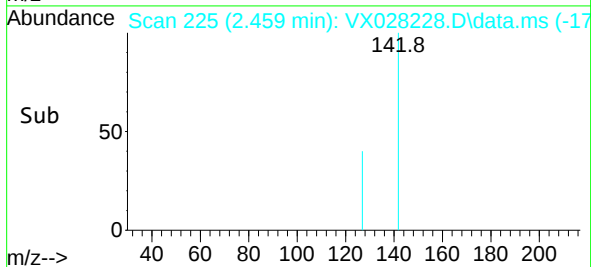
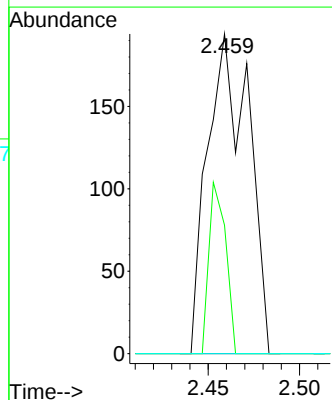
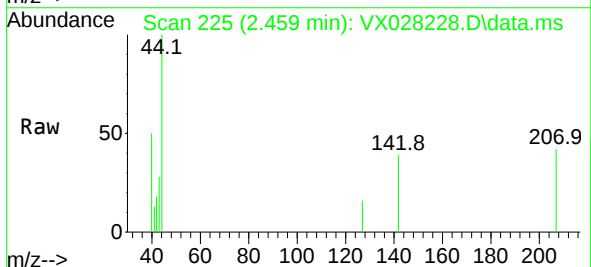


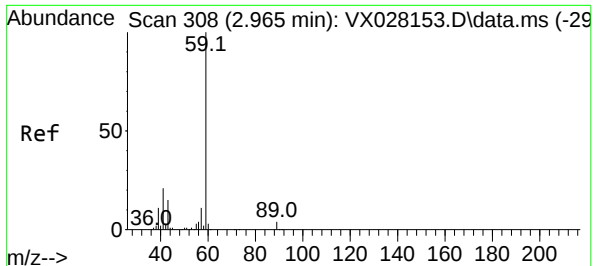
Tgt Ion: 74 Resp: 72
Ion Ratio Lower Upper
74 100
45 819.4 42.0 126.0#



#10
Methyl Iodide
Concen: 5.300 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 142 Resp: 303
Ion Ratio Lower Upper
142 100
127 22.1 33.9 50.9#
141 0.0 11.4 17.2#

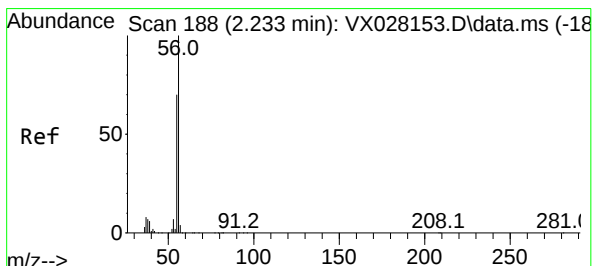
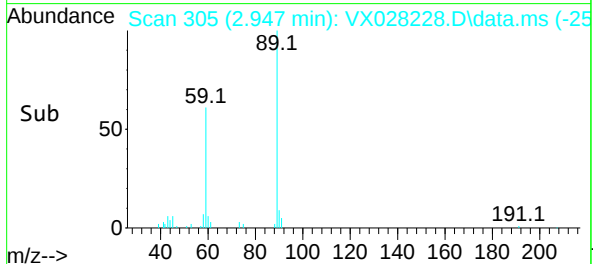
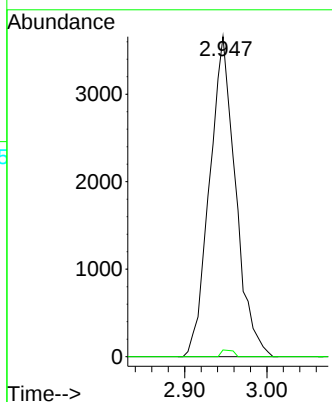
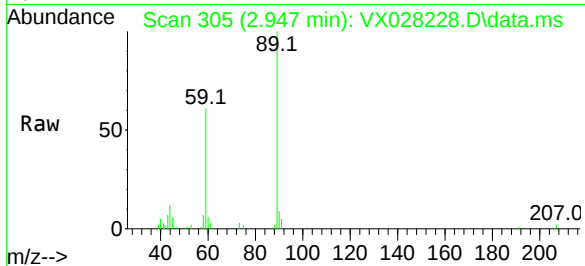




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

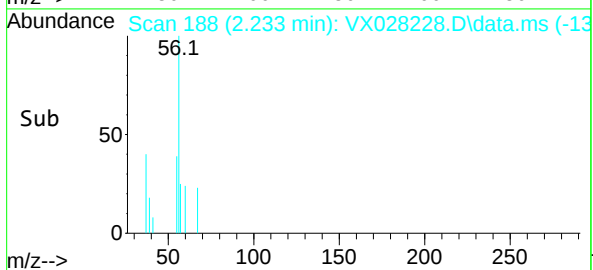
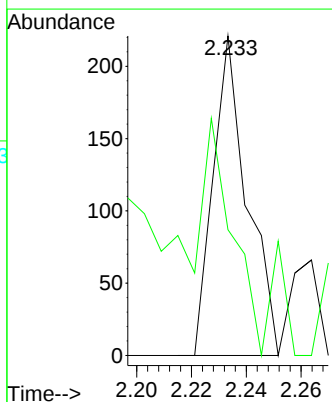
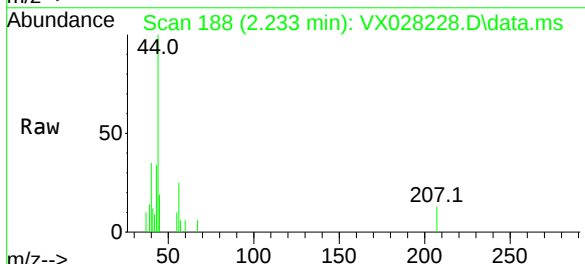
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

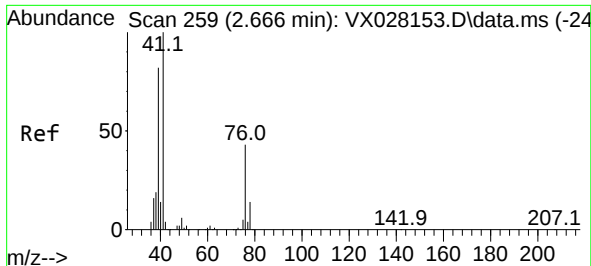
Tgt Ion: 59 Resp: 8058
Ion Ratio Lower Upper
59 100
57 1.0 8.3 12.5#



#13
Acrolein
Concen: 0.320 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

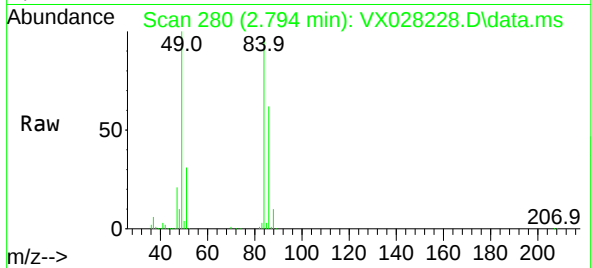
Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 61.3 55.0 82.6



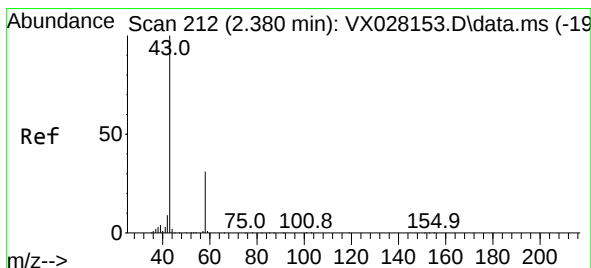
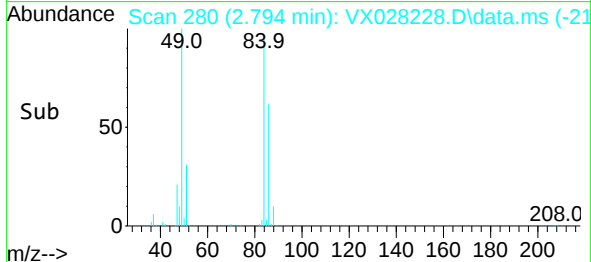
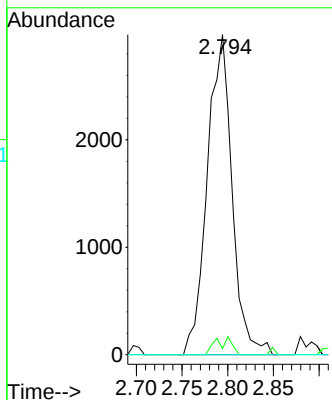


#14
 Allyl chloride
 Concen: 1.169 ug/l
 RT: 2.794 min Scan# 211
 Delta R.T. 0.128 min
 Lab File: VX028228.D
 Acq: 21 Apr 2022 04:11

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144231ZHE#10

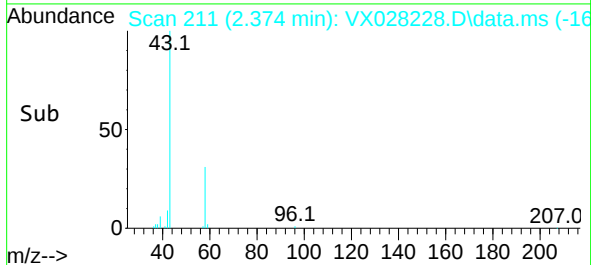
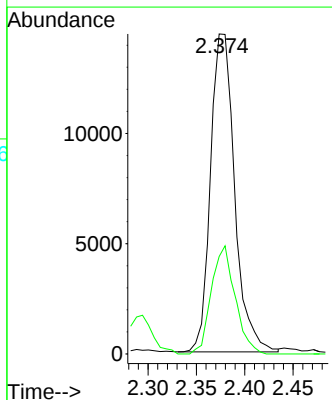
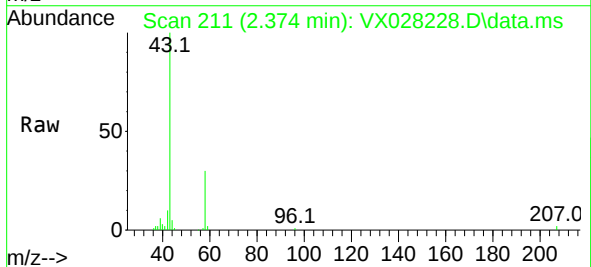


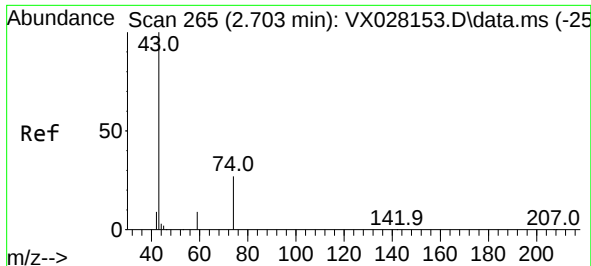
Tgt Ion: 41 Resp: 5636
 Ion Ratio Lower Upper
 41 100
 39 3.5 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 15.518 ug/l
 RT: 2.374 min Scan# 211
 Delta R.T. -0.006 min
 Lab File: VX028228.D
 Acq: 21 Apr 2022 04:11

Tgt Ion: 43 Resp: 25056
 Ion Ratio Lower Upper
 43 100
 58 30.7 28.8 43.2

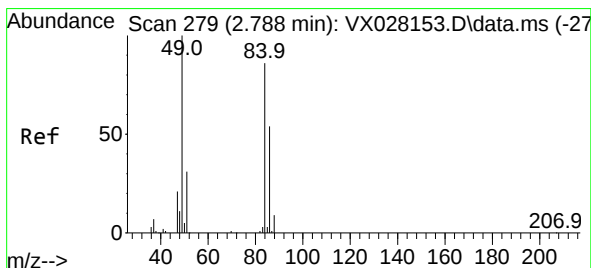
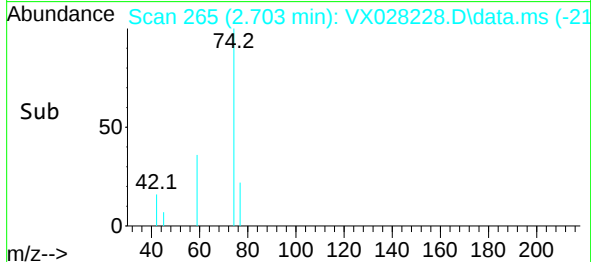
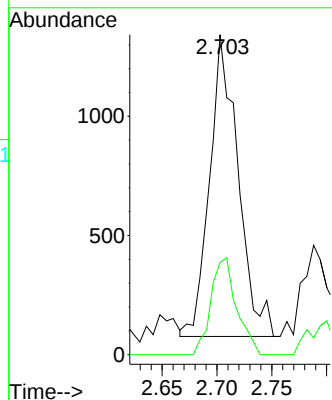
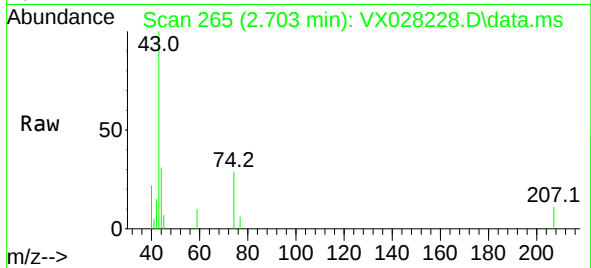




#18
Methyl Acetate
Concen: 0.526 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

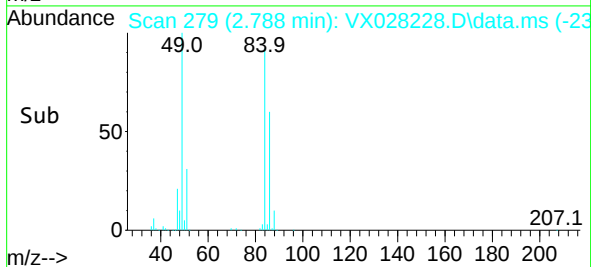
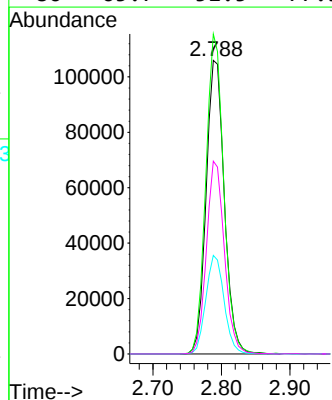
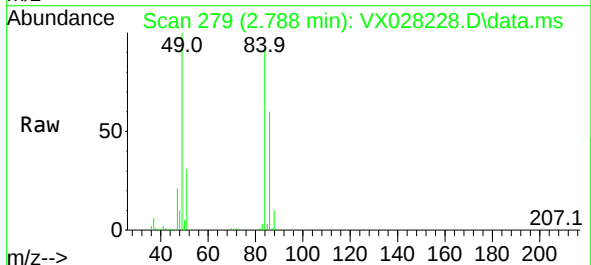
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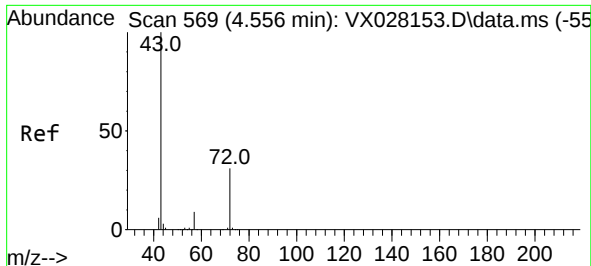
Tgt Ion: 43 Resp: 2280
Ion Ratio Lower Upper
43 100
74 29.0 22.8 34.2



#20
Methylene Chloride
Concen: 54.311 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 84 Resp: 196453
Ion Ratio Lower Upper
84 100
49 109.0 85.5 128.3
51 33.5 26.6 39.8
86 65.7 51.5 77.3

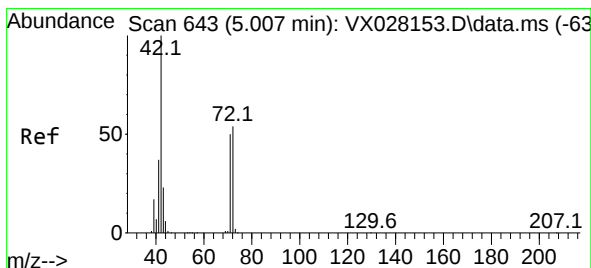
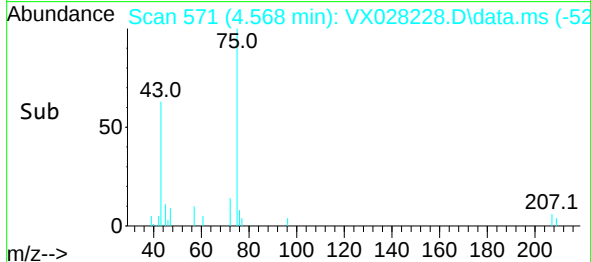
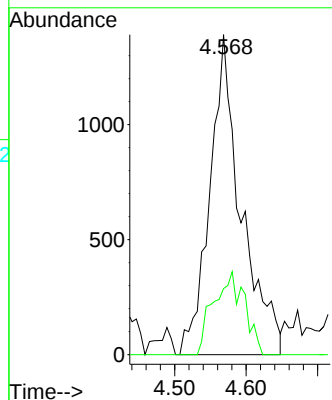
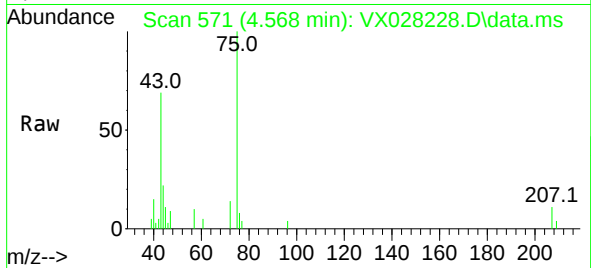




#25
2-Butanone
Concen: 1.467 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

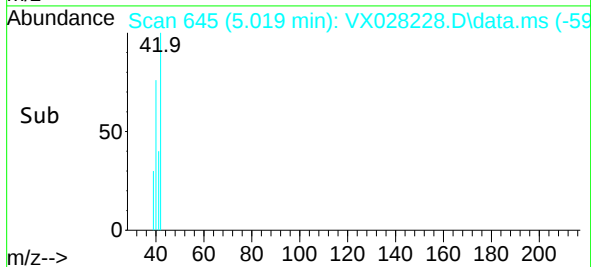
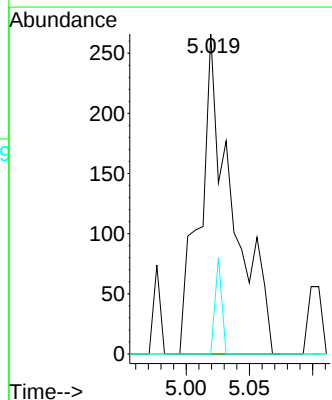
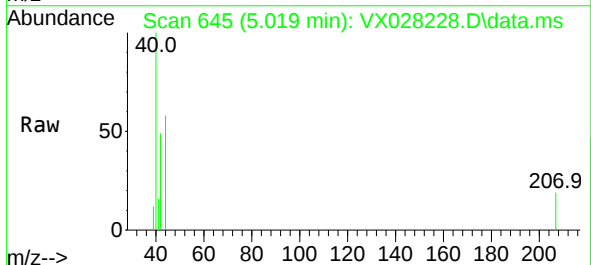
Instrument :
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PB144231ZHE#10

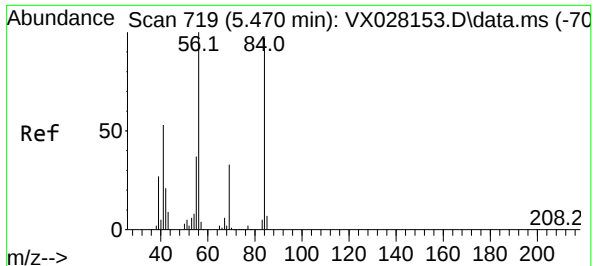
Tgt Ion: 43 Resp: 4236
Ion Ratio Lower Upper
43 100
72 20.6 24.4 36.6#



#29
Tetrahydrofuran
Concen: 0.251 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.012 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 42 Resp: 473
Ion Ratio Lower Upper
42 100
72 0.0 44.1 66.1#
71 6.1 40.5 60.7#

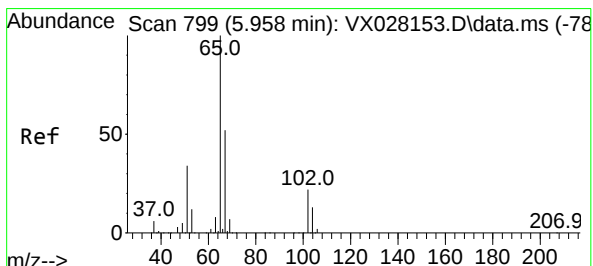
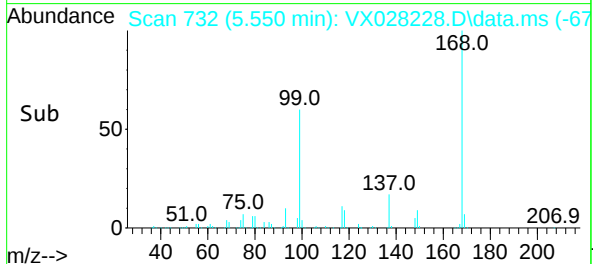
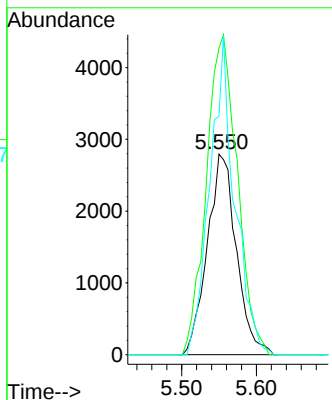
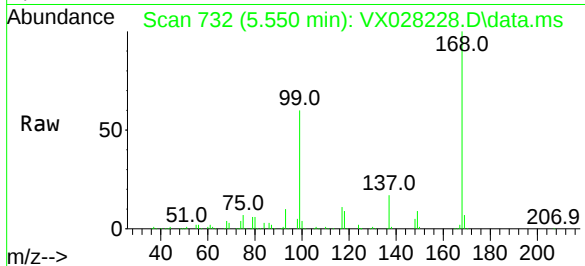




#31
Cyclohexane
Concen: 1.270 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

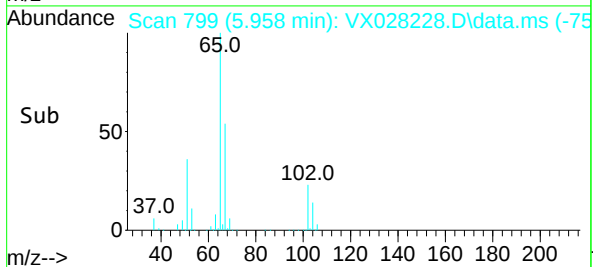
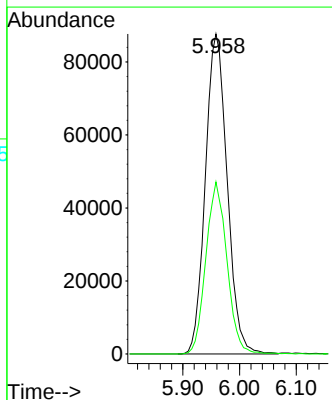
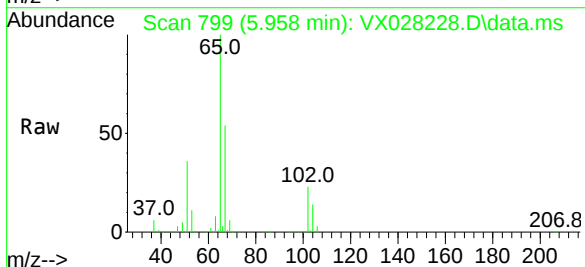
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

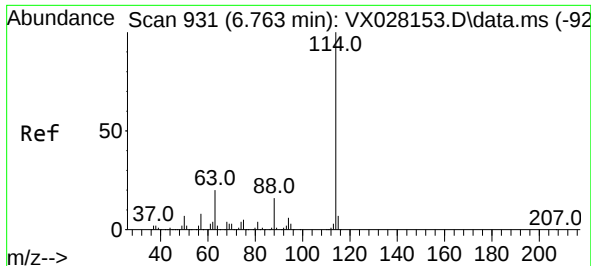
Tgt Ion: 56 Resp: 7545
Ion Ratio Lower Upper
56 100
69 152.9 26.7 40.1#
84 119.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 48.059 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 65 Resp: 234288
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4

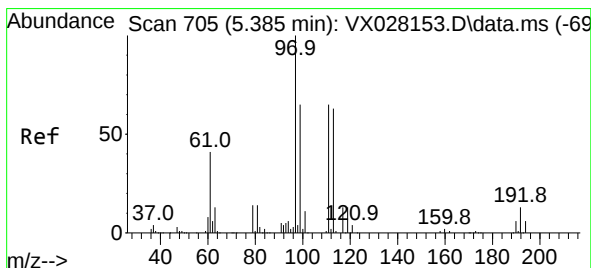
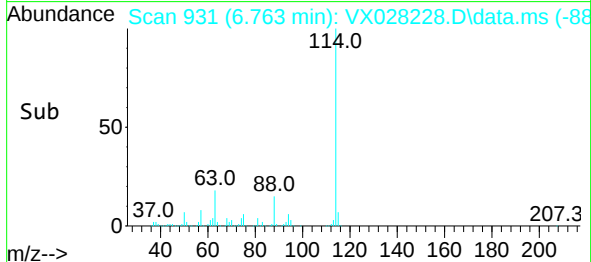
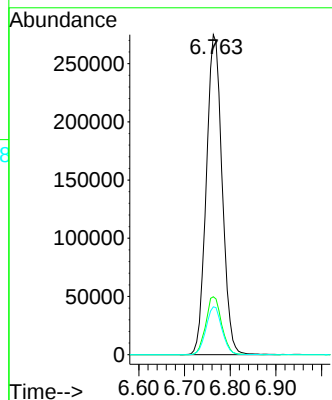
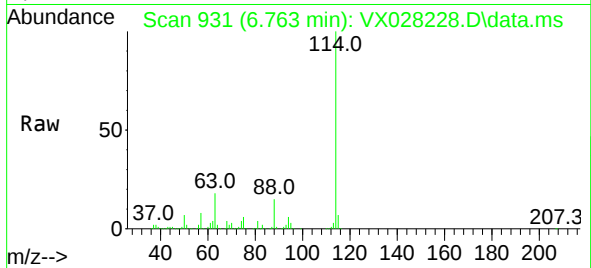




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

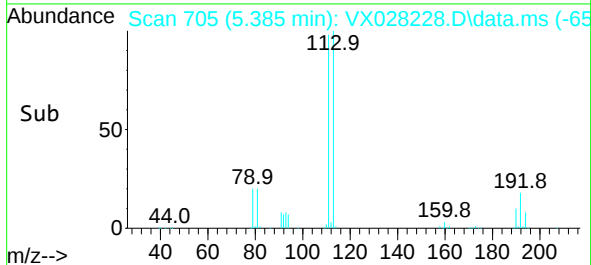
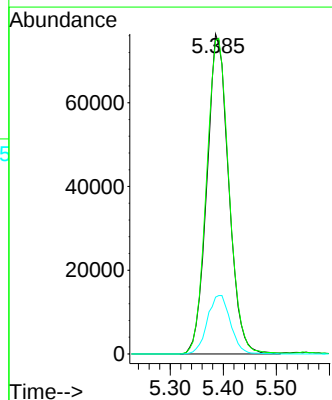
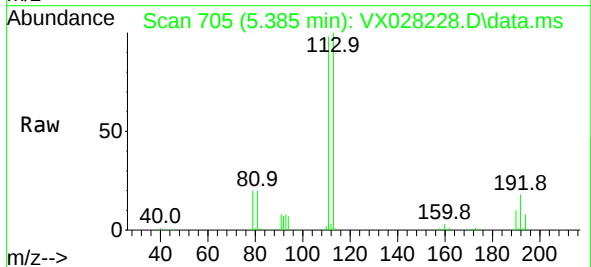
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

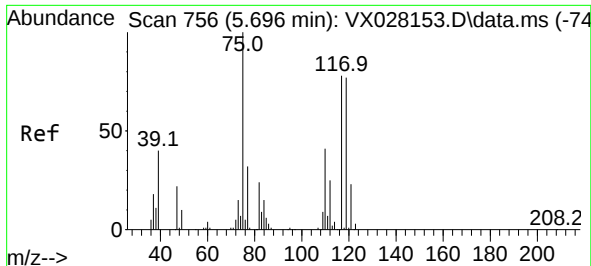
Tgt Ion:114 Resp: 659833
Ion Ratio Lower Upper
114 100
63 18.1 0.0 36.8
88 14.9 0.0 32.4



#35
Dibromofluoromethane
Concen: 47.062 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion:113 Resp: 217775
Ion Ratio Lower Upper
113 100
111 102.0 82.8 124.2
192 19.4 16.9 25.3

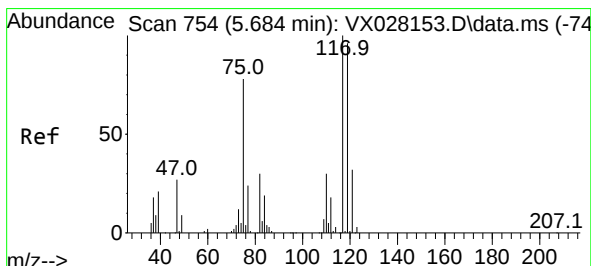
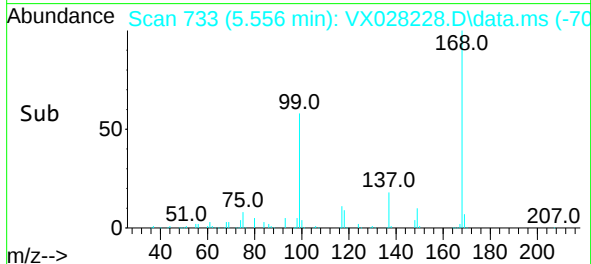
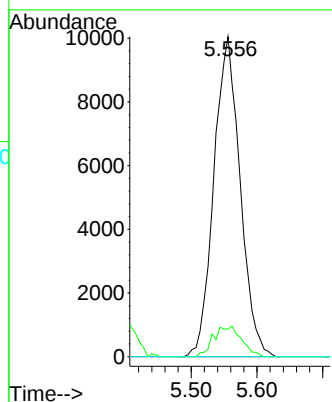
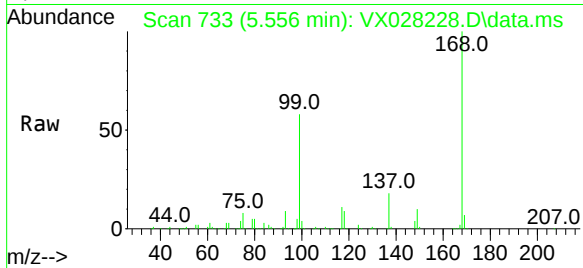




#36
1,1-Dichloropropene
Concen: 4.622 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

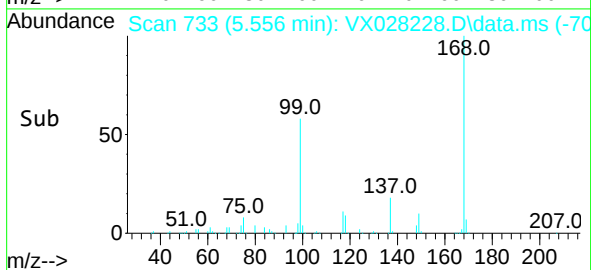
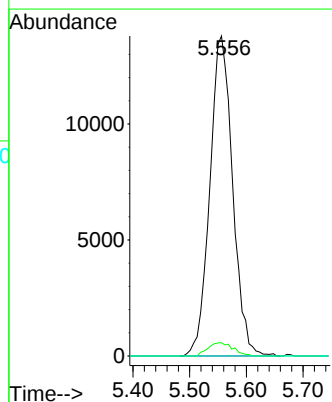
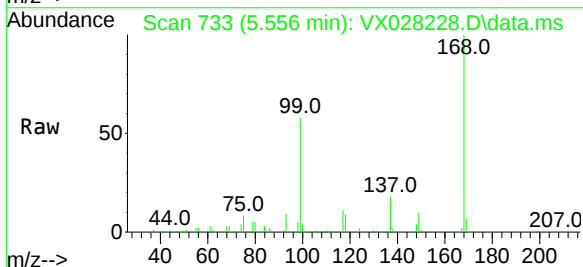
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

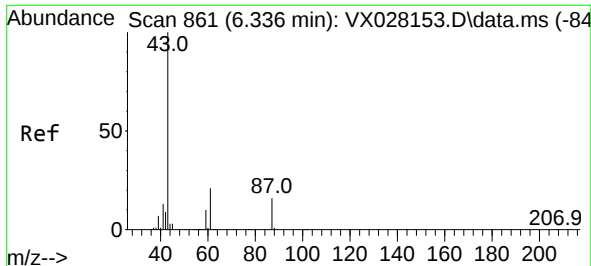
Tgt Ion: 75 Resp: 27898
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.649 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 117 Resp: 38490
Ion Ratio Lower Upper
117 100
119 4.1 77.3 115.9#
121 0.0 24.2 36.2#

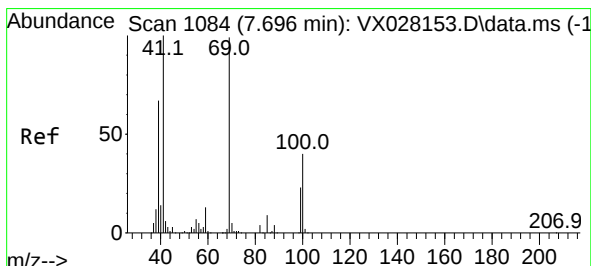
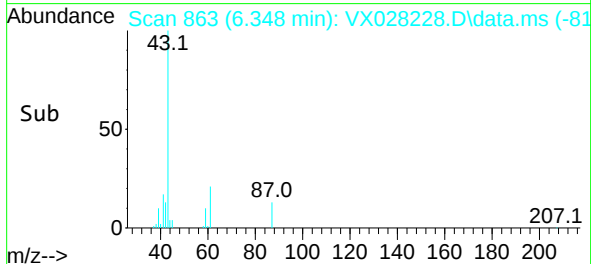
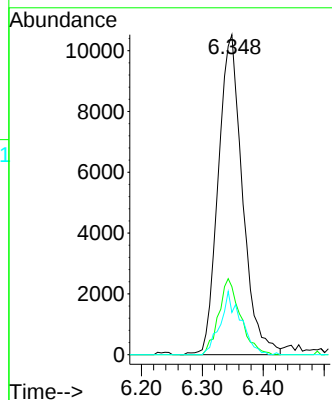
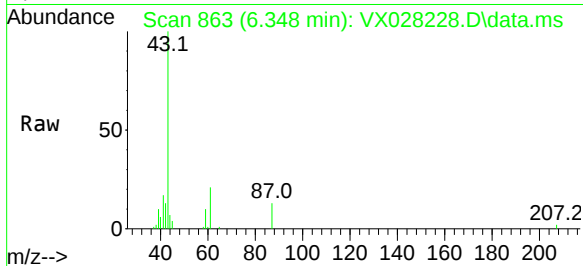




#43
Isopropyl Acetate
Concen: 2.917 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

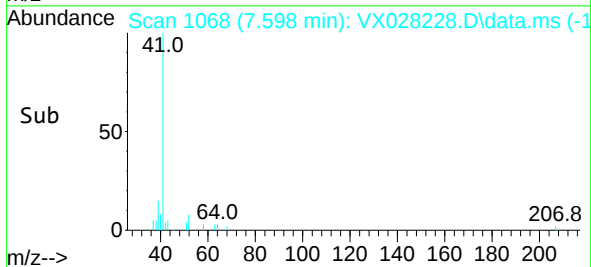
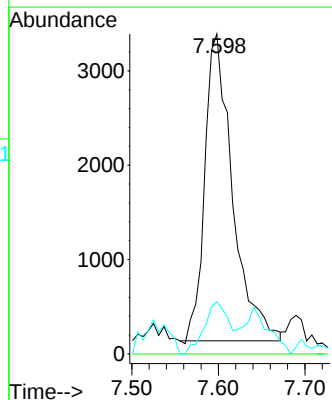
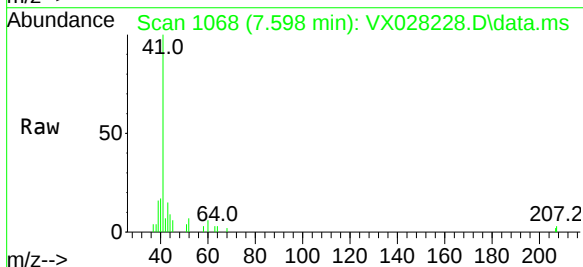
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

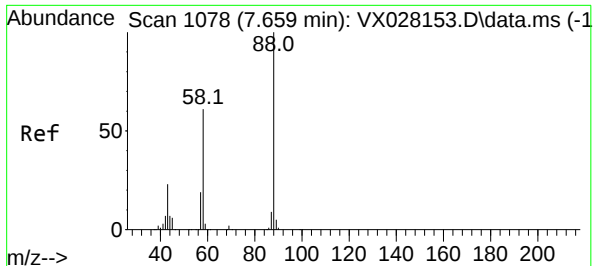
Tgt Ion: 43 Resp: 29073
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 16.9 13.0 19.6



#48
Methyl methacrylate
Concen: 1.581 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 41 Resp: 7235
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: 2.483 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.134 min

Lab File: VX028228.D

Acq: 21 Apr 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#10

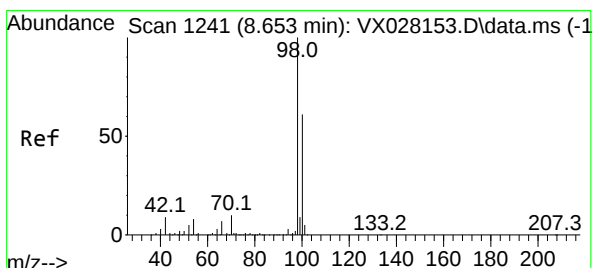
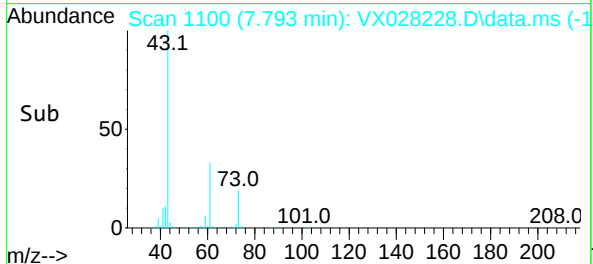
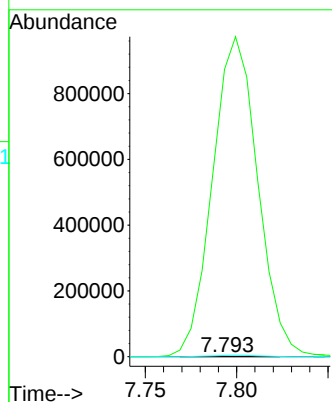
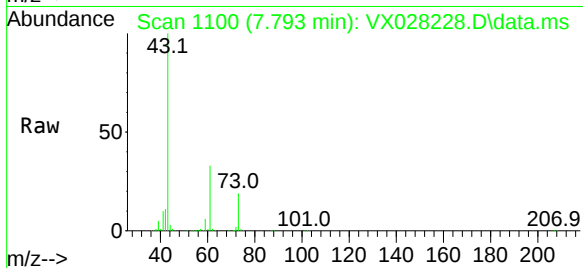
Tgt Ion: 88 Resp: 304

Ion Ratio Lower Upper

88 100

43 555053.3 21.9 32.9#

58 2554.3 53.7 80.5#



#50

Toluene-d8

Concen: 45.416 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028228.D

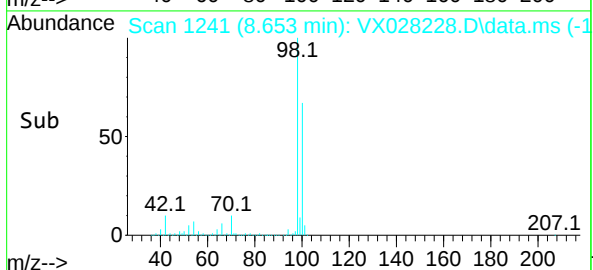
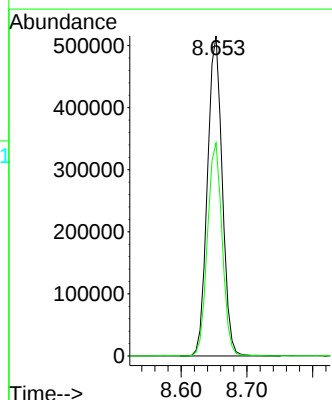
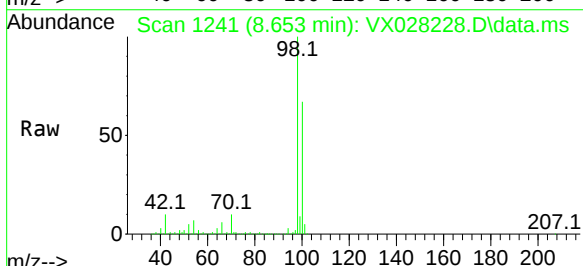
Acq: 21 Apr 2022 04:11

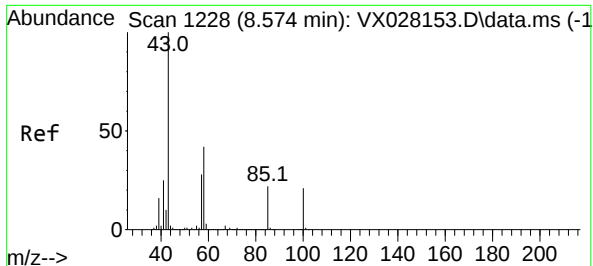
Tgt Ion: 98 Resp: 807171

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8

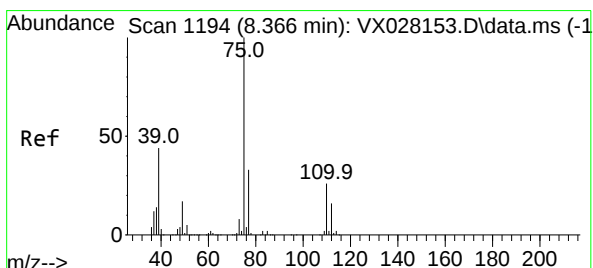
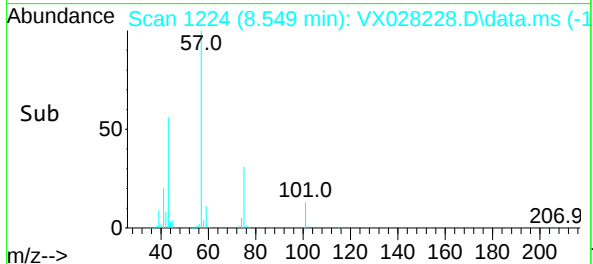
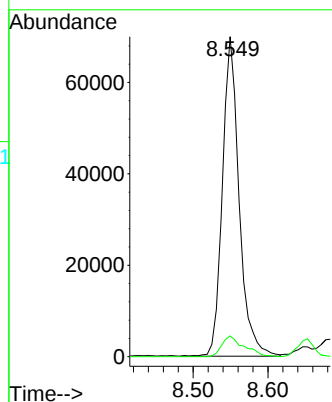
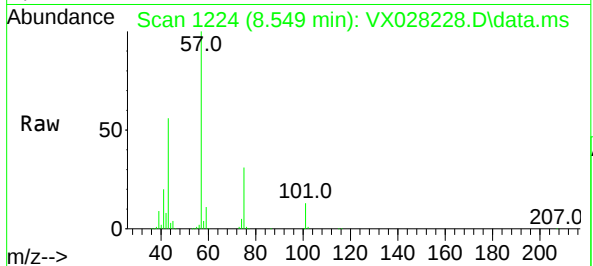




#51
4-Methyl-2-Pentanone
Concen: 17.020 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. -0.025 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

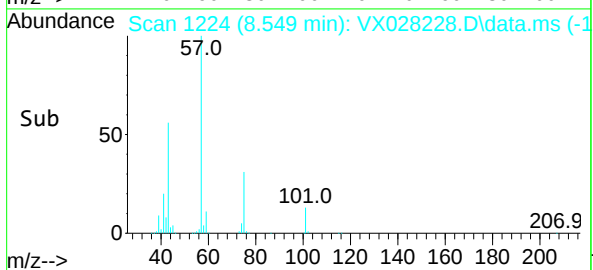
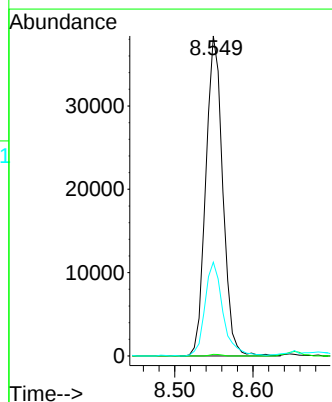
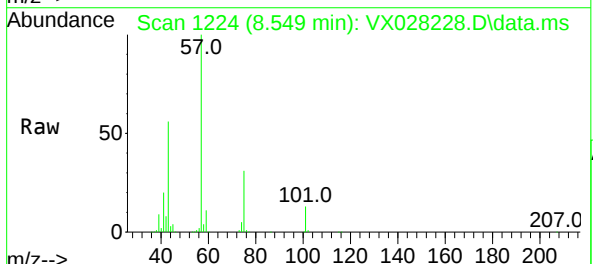
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

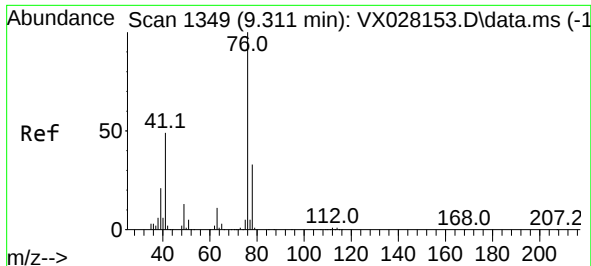
Tgt Ion: 43 Resp: 108865
Ion Ratio Lower Upper
43 100
58 8.6 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.746 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 75 Resp: 57641
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 29.3 29.6 44.4#

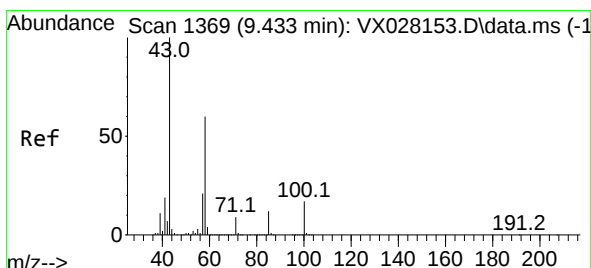
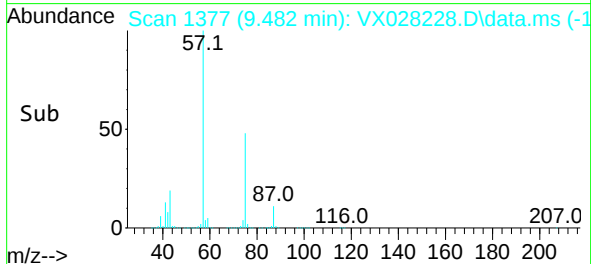
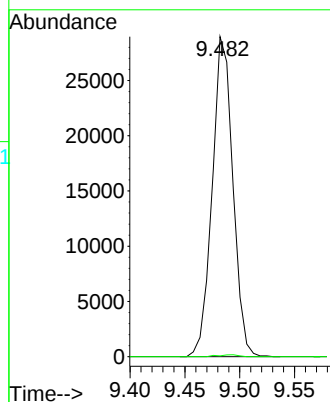
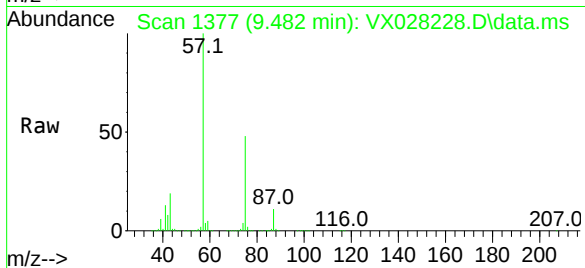




#57
1,3-Dichloropropane
Concen: 4.716 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

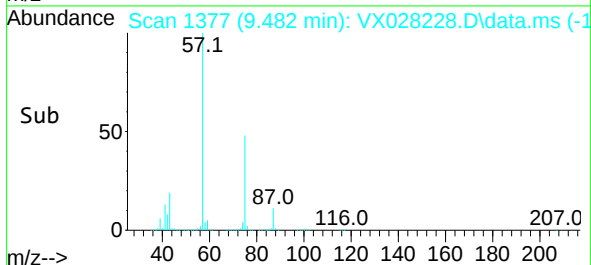
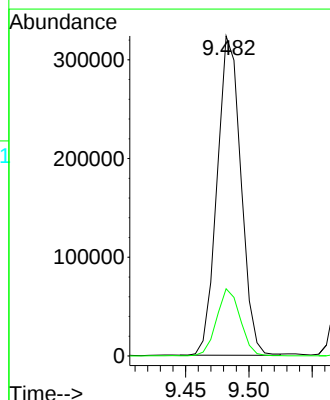
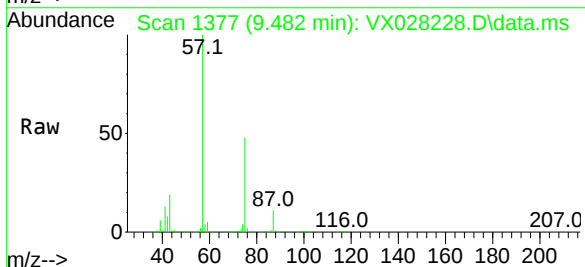
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

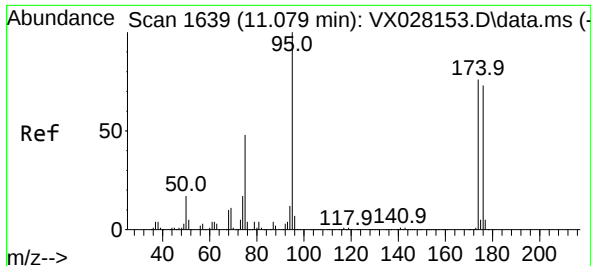
Tgt Ion: 76 Resp: 37963
Ion Ratio Lower Upper
76 100
78 0.6 25.8 38.8#



#59
2-Hexanone
Concen: 85.357 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 43 Resp: 422926
Ion Ratio Lower Upper
43 100
58 20.8 31.9 95.7#

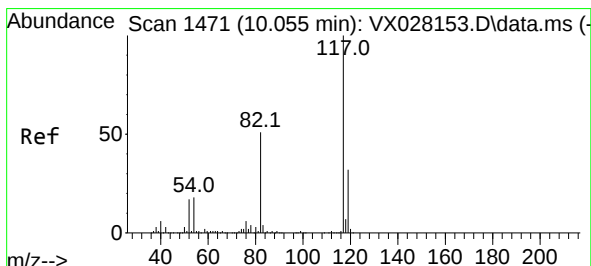
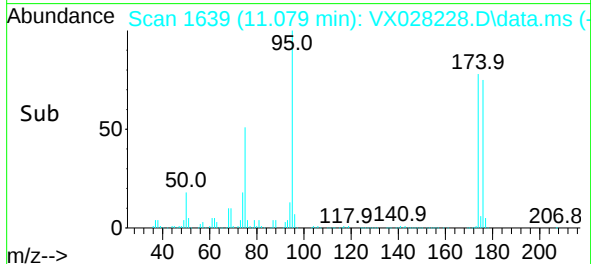
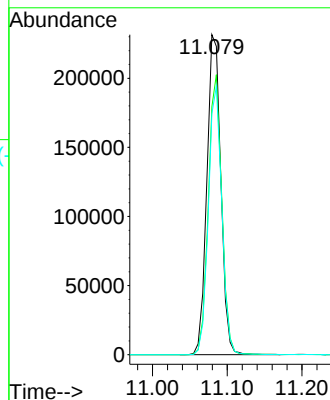
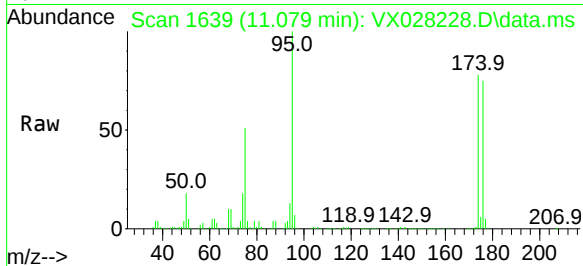




#62
4-Bromofluorobenzene
Concen: 44.130 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

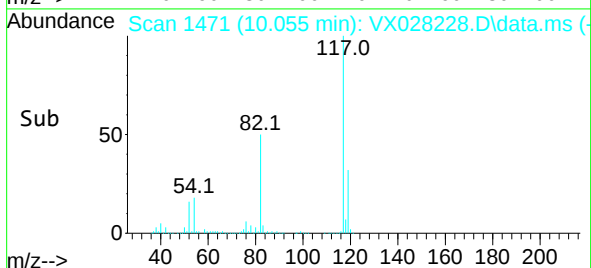
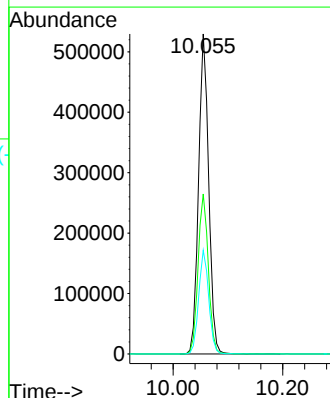
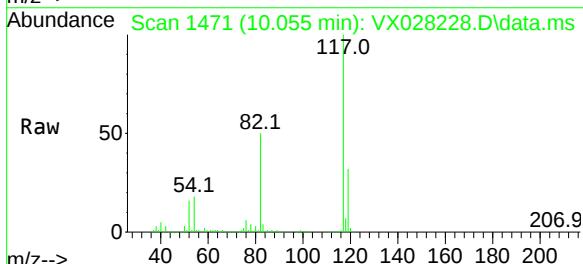
Instrument :
MSVOA_X
ClientSampleId :
PB144231ZHE#10

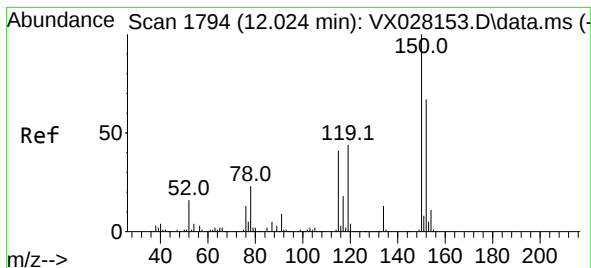
Tgt Ion: 95 Resp: 299891
Ion Ratio Lower Upper
95 100
174 84.5 0.0 163.0
176 81.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028228.D
Acq: 21 Apr 2022 04:11

Tgt Ion: 117 Resp: 681027
Ion Ratio Lower Upper
117 100
82 50.0 41.8 62.8
119 32.4 24.8 37.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX028228.D

Acq: 21 Apr 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

PB144231ZHE#10

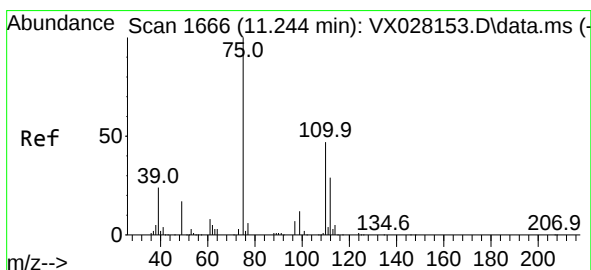
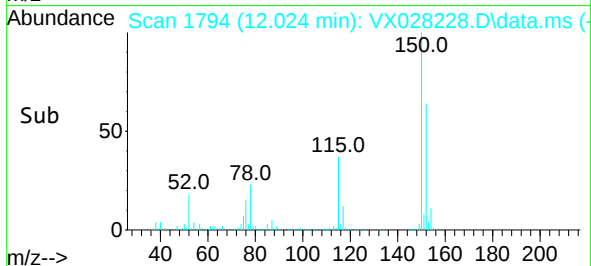
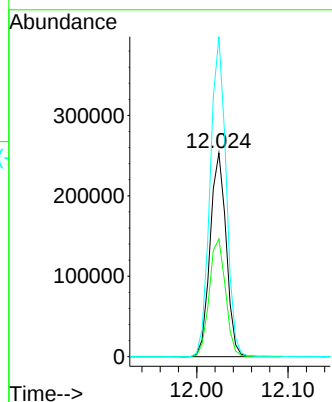
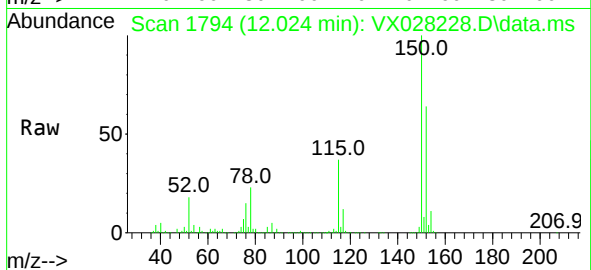
Tgt Ion:152 Resp: 308942

Ion Ratio Lower Upper

152 100

115 58.4 37.5 112.7

150 155.7 0.0 338.2



#76

1,2,3-Trichloropropane

Concen: 24.454 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028228.D

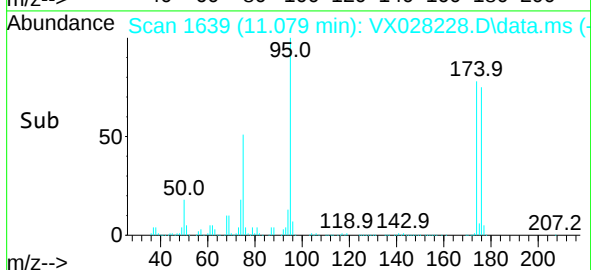
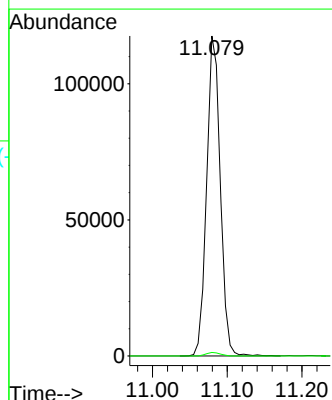
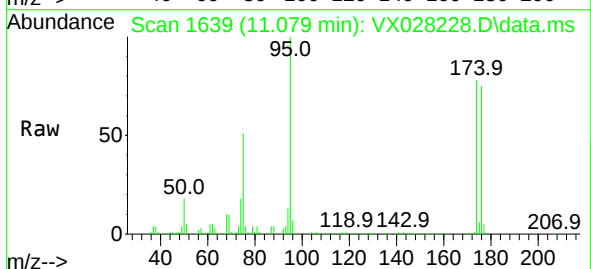
Acq: 21 Apr 2022 04:11

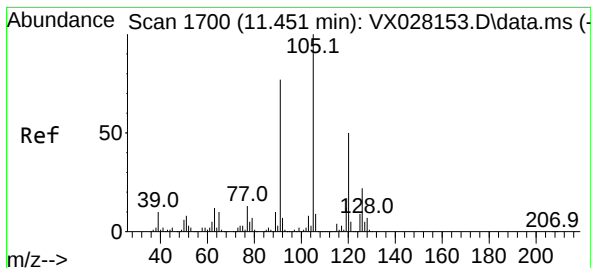
Tgt Ion: 75 Resp: 148683

Ion Ratio Lower Upper

75 100

77 1.1 19.4 58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.218 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028228.D

Acq: 21 Apr 2022 04:11

Instrument :

MSVOA_X

ClientSampleId :

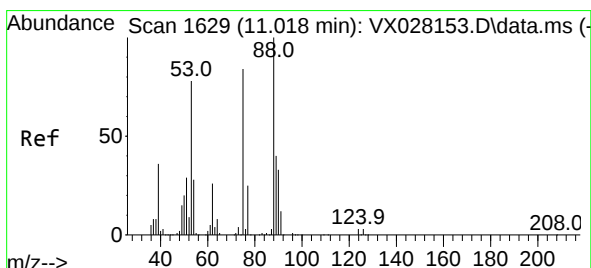
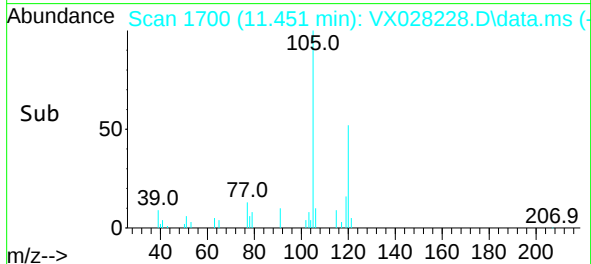
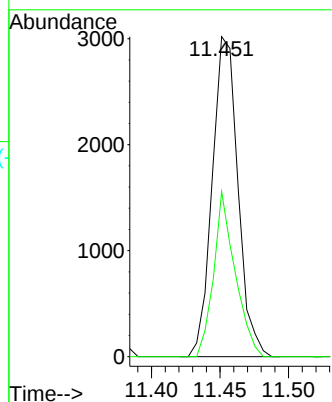
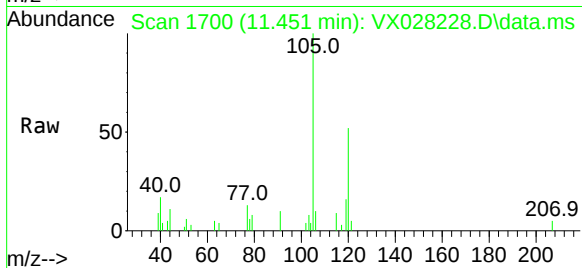
PB144231ZHE#10

Tgt Ion:105 Resp: 3937

Ion Ratio Lower Upper

105 100

120 43.0 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 72.670 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX028228.D

Acq: 21 Apr 2022 04:11

Tgt Ion: 75 Resp: 148683

Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

