

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028454.D
 Acq On : 30 Apr 2022 03:50
 Operator : JC/MD
 Sample : PB144452ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#09

Quant Time: Apr 30 09:23:11 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)

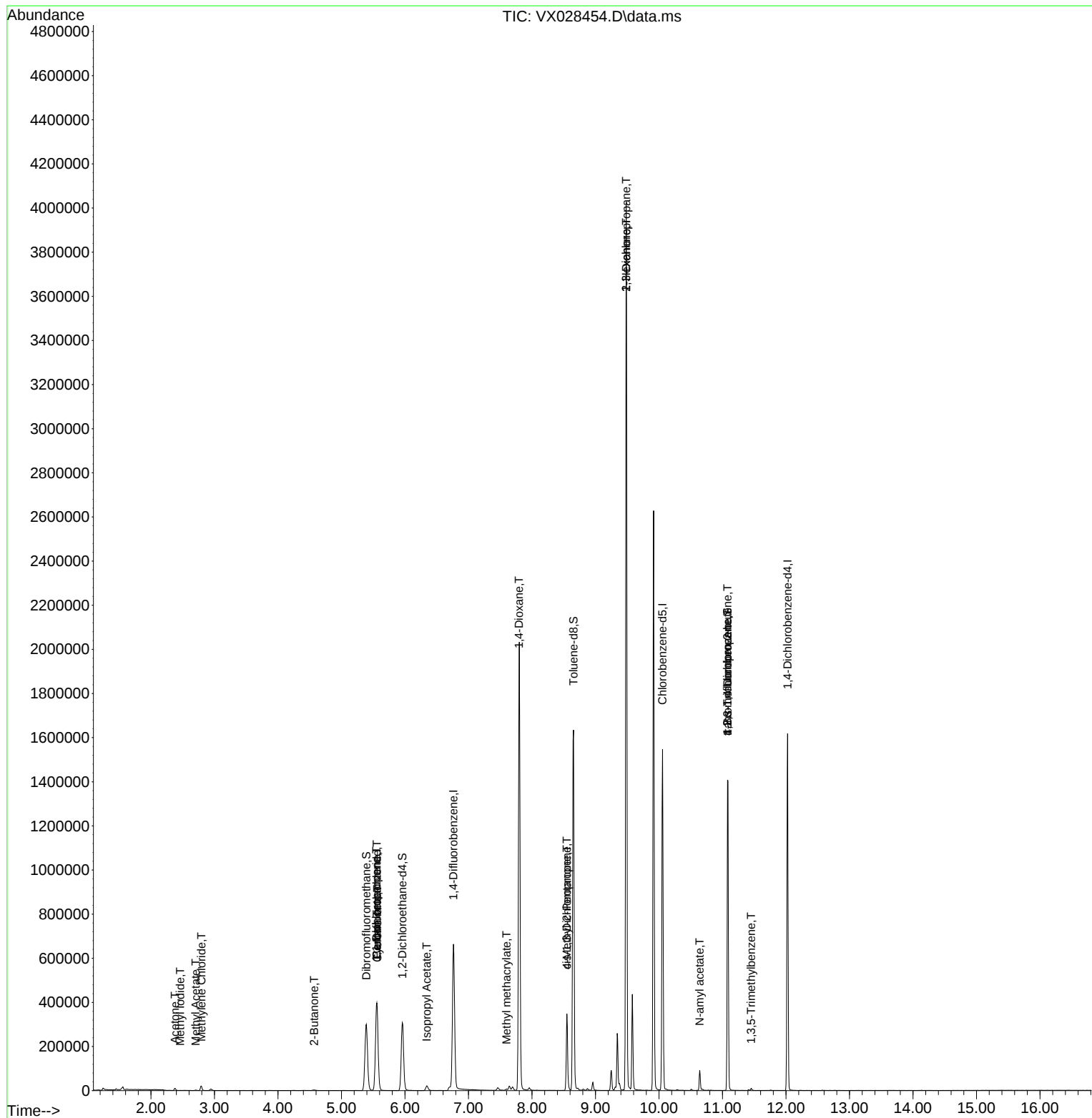
Internal Standards						
1) Pentafluorobenzene	5.556	168	386817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	690469	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	720514	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	338331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	293908	58.273	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 116.540%			
35) Dibromofluoromethane	5.391	113	260996	53.900	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 107.800%			
50) Toluene-d8	8.653	98	1009832	54.298	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.600%			
62) 4-Bromofluorobenzene	11.079	95	374445	52.657	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.320%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	417	Below Cal		91
5) Bromomethane	1.618	94	918	Below Cal		87
6) Chloroethane	1.654	64	399	Below Cal	#	43
10) Methyl Iodide	2.459	142	261	5.289 ug/l	#	82
11) Tert butyl alcohol	2.947	59	3790	Below Cal	#	72
16) Acetone	2.380	43	10498	5.449 ug/l		88
18) Methyl Acetate	2.703	43	3027	0.675 ug/l		89
20) Methylene Chloride	2.794	84	9435	2.521 ug/l		93
25) 2-Butanone	4.568	43	3533	1.183 ug/l		96
31) Cyclohexane	5.562	56	7848	1.277 ug/l	#	19
36) 1,1-Dichloropropene	5.550	75	28701	4.544 ug/l	#	49
38) Carbon Tetrachloride	5.556	117	38397	5.385 ug/l	#	16
43) Isopropyl Acetate	6.342	43	28231	2.707 ug/l		97
48) Methyl methacrylate	7.598	41	7627	1.593 ug/l	#	7
49) 1,4-Dioxane	7.793	88	427	3.333 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	108935	16.275 ug/l	#	44
54) cis-1,3-Dichloropropene	8.549	75	57636	7.402 ug/l	#	66
57) 1,3-Dichloropropane	9.482	76	38050	4.517 ug/l	#	43
59) 2-Hexanone	9.482	43	434737	83.847 ug/l	#	45
74) N-amyl acetate	10.640	43	20021	2.491 ug/l	#	46
76) 1,2,3-Trichloropropane	11.079	75	187744	28.196 ug/l	#	38
80) 1,3,5-Trimethylbenzene	11.451	105	3952	0.200 ug/l		95
81) trans-1,4-Dichloro-2-b...	11.079	75	187744	83.791 ug/l	#	15

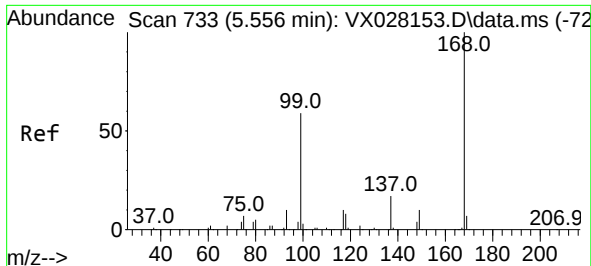
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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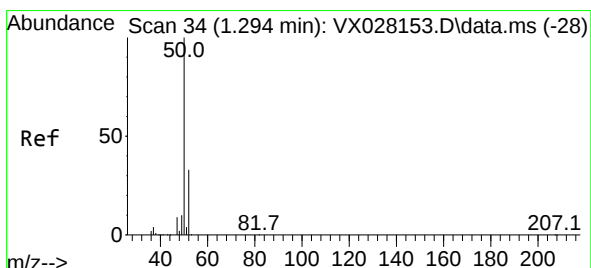
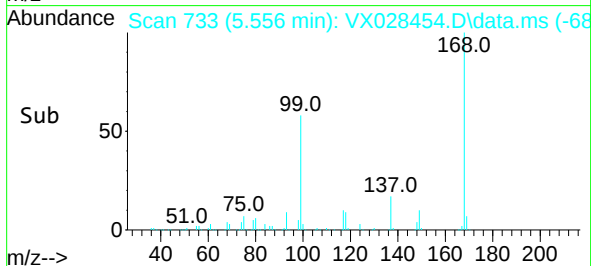
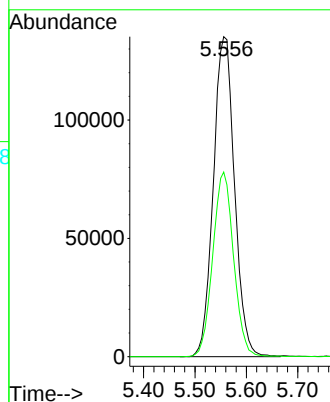
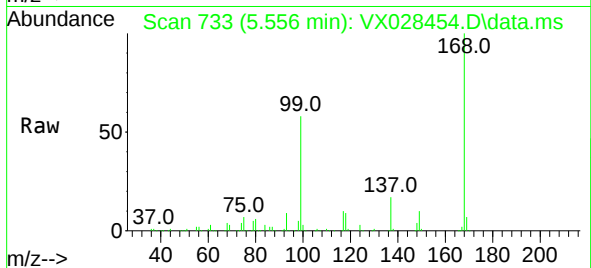




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

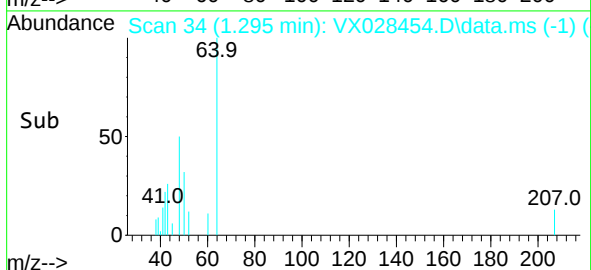
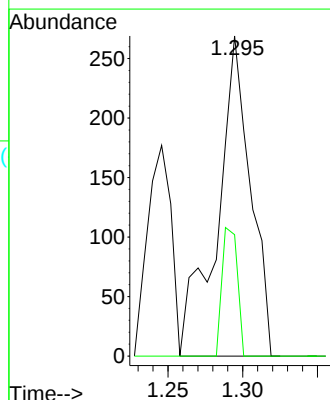
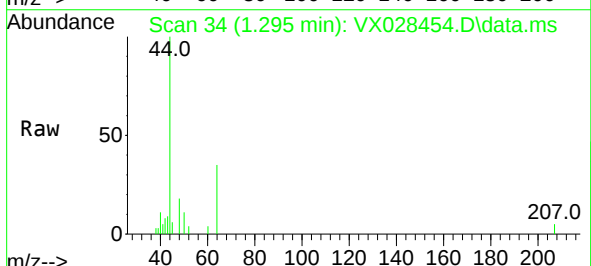
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#09

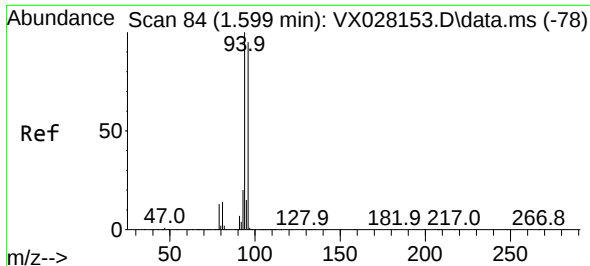
Tgt Ion:168 Resp: 386817
Ion Ratio Lower Upper
168 100
99 57.7 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 37.9 26.4 39.6

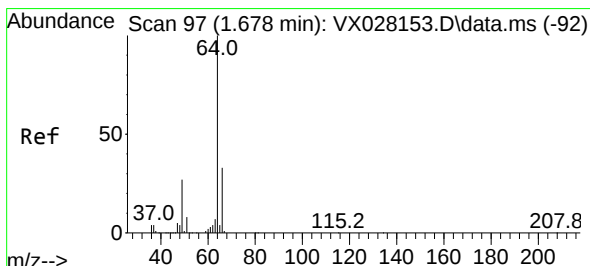
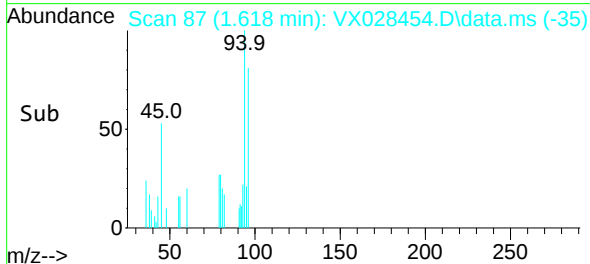
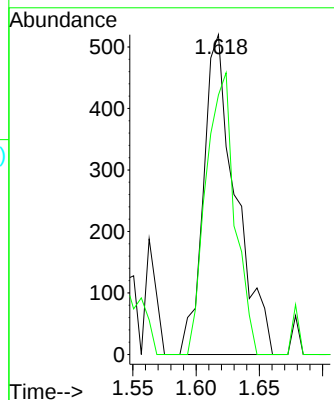
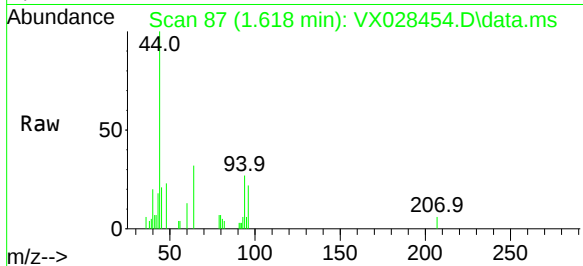




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

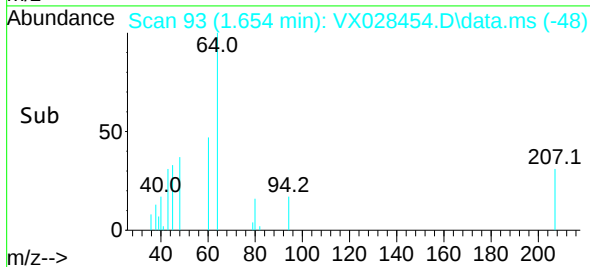
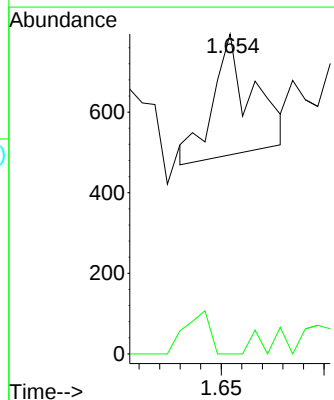
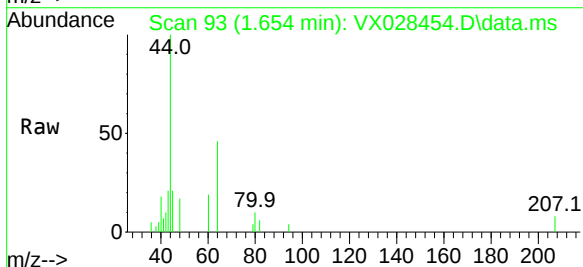
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#09

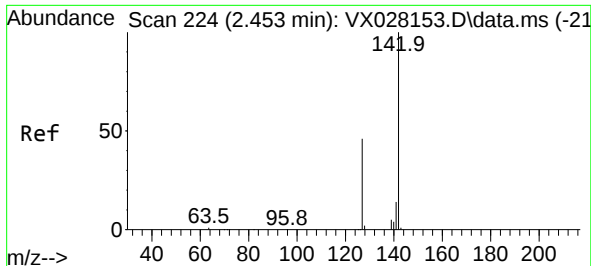
Tgt Ion: 94 Resp: 918
Ion Ratio Lower Upper
94 100
96 81.2 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.654 min Scan# 93
Delta R.T. -0.024 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion: 64 Resp: 399
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#





#10

Methyl Iodide

Concen: 5.289 ug/l

RT: 2.459 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX028454.D

Acq: 30 Apr 2022 03:50

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#09

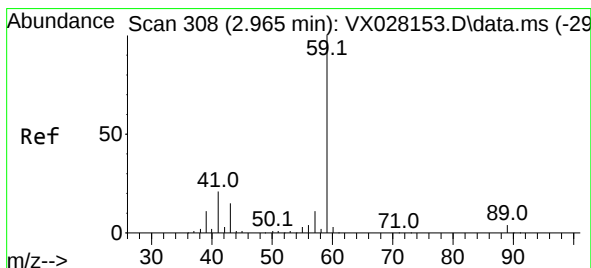
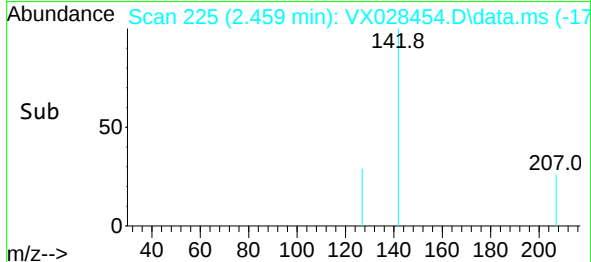
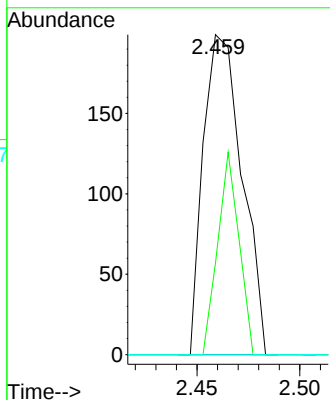
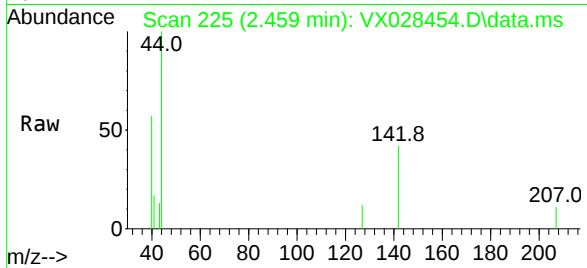
Tgt Ion:142 Resp: 261

Ion Ratio Lower Upper

142 100

127 34.5 33.9 50.9

141 0.0 11.4 17.2#



#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 305

Delta R.T. -0.018 min

Lab File: VX028454.D

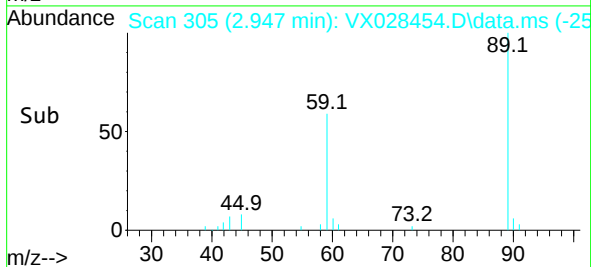
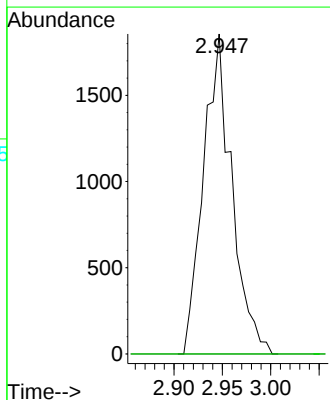
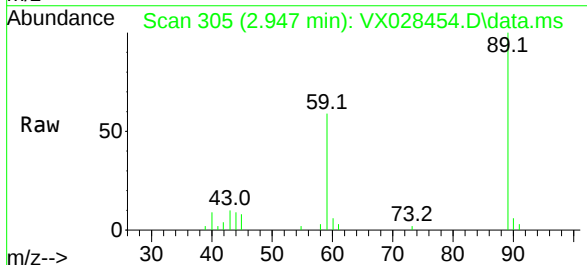
Acq: 30 Apr 2022 03:50

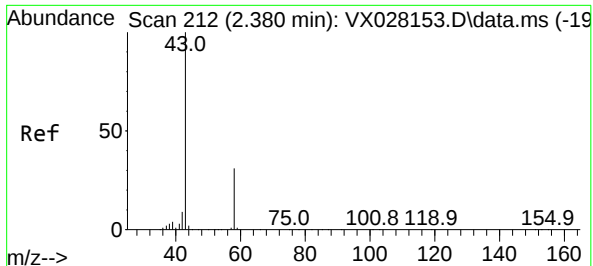
Tgt Ion: 59 Resp: 3790

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

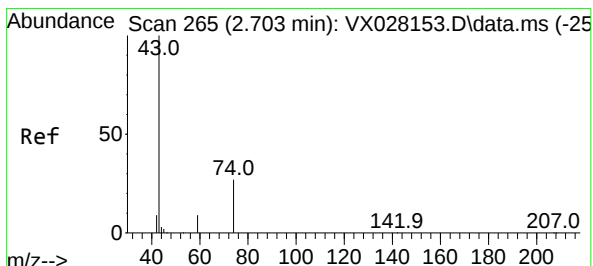
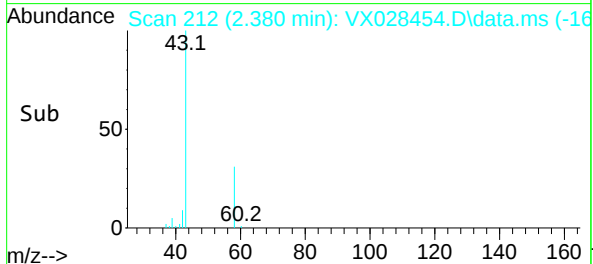
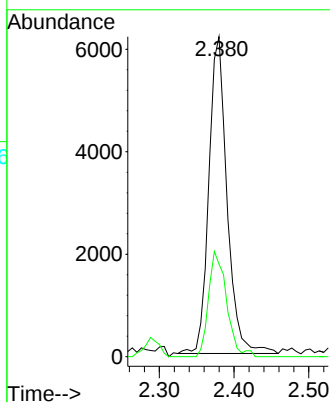
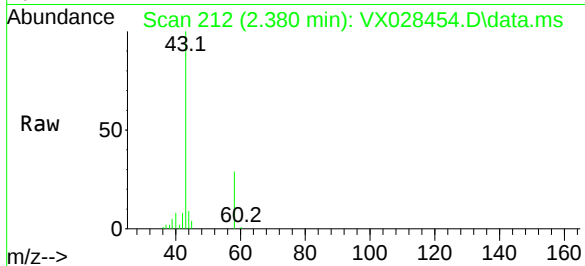




#16
Acetone
Concen: 5.449 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

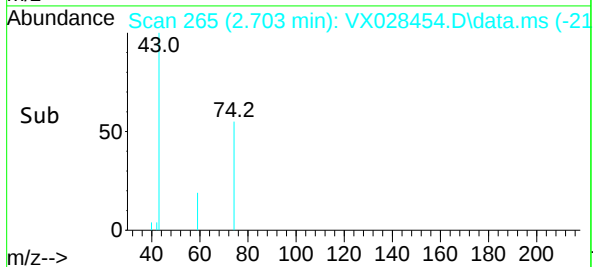
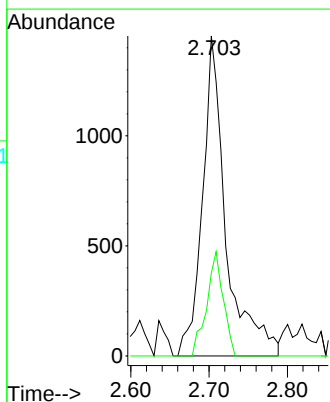
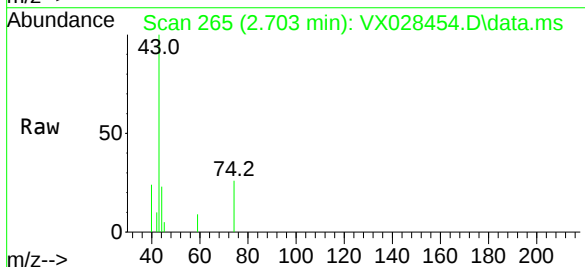
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#09

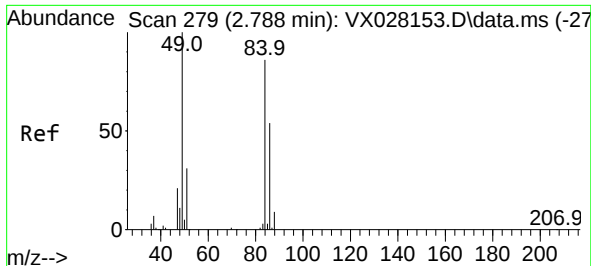
Tgt Ion: 43 Resp: 10498
Ion Ratio Lower Upper
43 100
58 29.2 28.8 43.2



#18
Methyl Acetate
Concen: 0.675 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion: 43 Resp: 3027
Ion Ratio Lower Upper
43 100
74 22.9 22.8 34.2





#20

Methylene Chloride

Concen: 2.521 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX028454.D

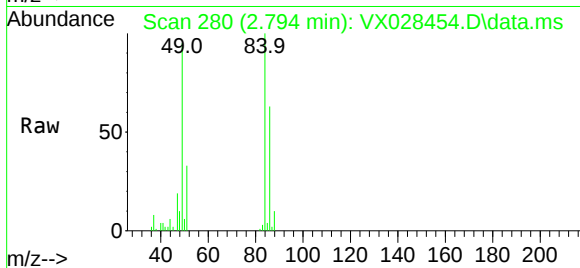
Acq: 30 Apr 2022 03:50

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#09



Tgt Ion: 84 Resp: 9435

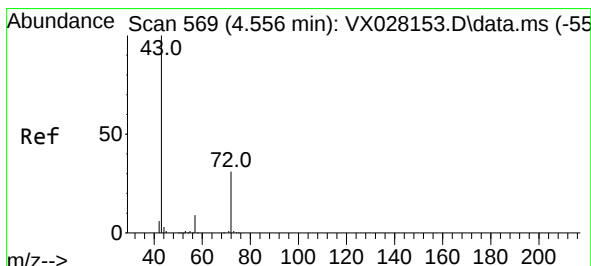
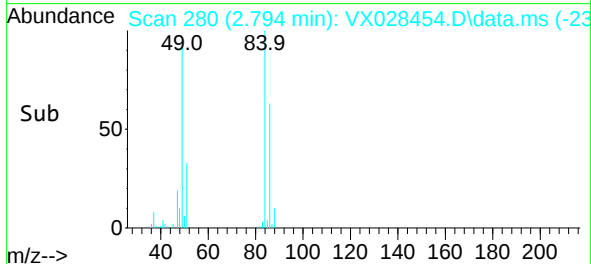
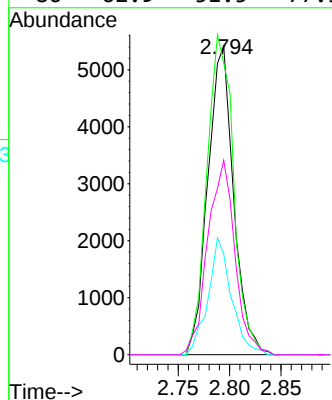
Ion Ratio Lower Upper

84 100

49 94.5 85.5 128.3

51 32.6 26.6 39.8

86 62.9 51.5 77.3



#25

2-Butanone

Concen: 1.183 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX028454.D

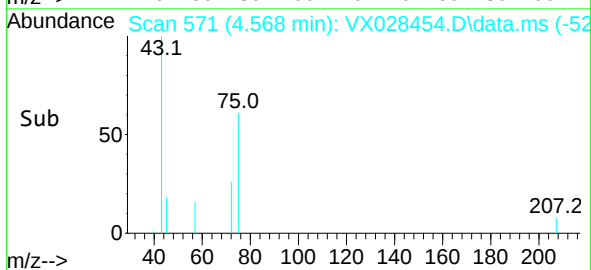
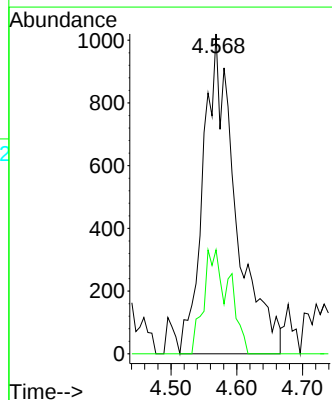
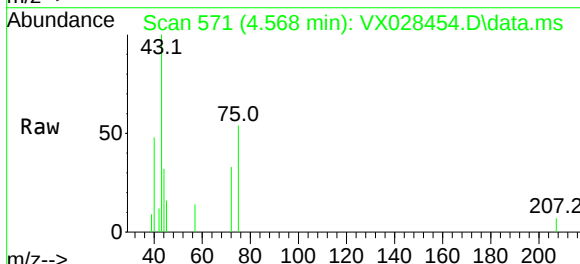
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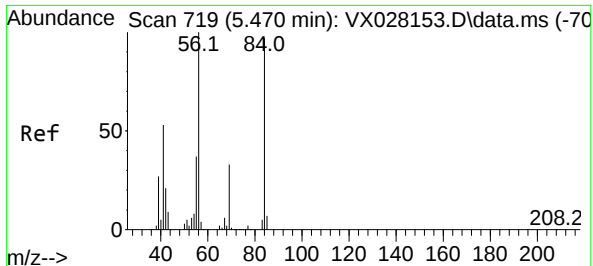
Tgt Ion: 43 Resp: 3533

Ion Ratio Lower Upper

43 100

72 32.5 24.4 36.6

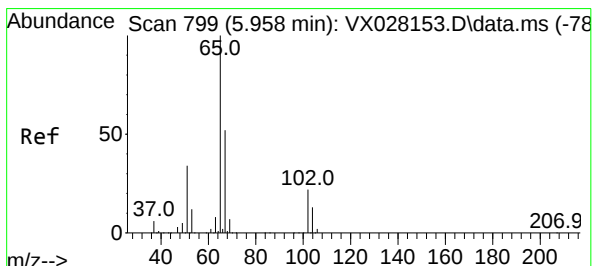
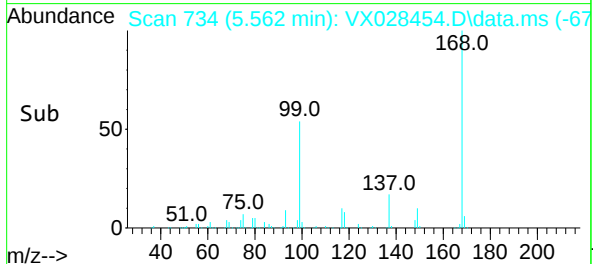
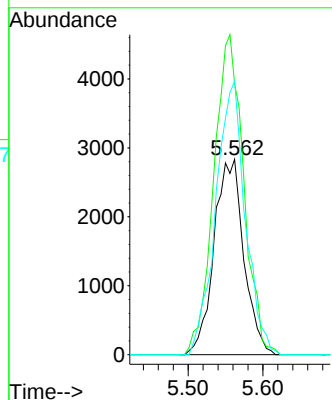
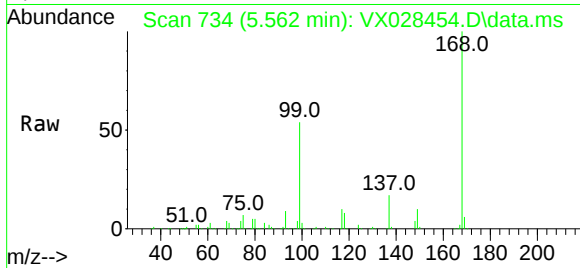




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.092 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

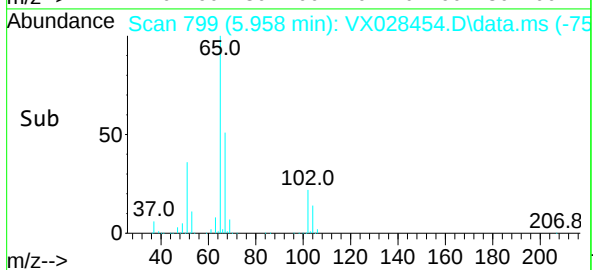
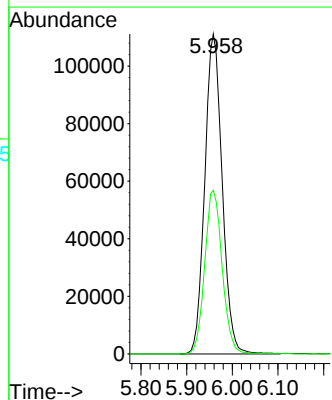
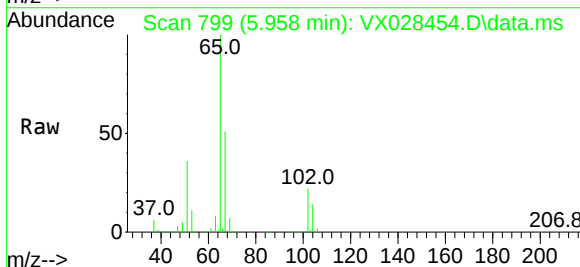
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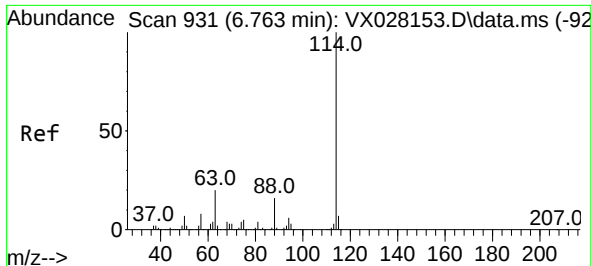
Tgt Ion: 56 Resp: 7848
Ion Ratio Lower Upper
56 100
69 138.8 26.7 40.1#
84 140.1 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.273 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion: 65 Resp: 293908
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

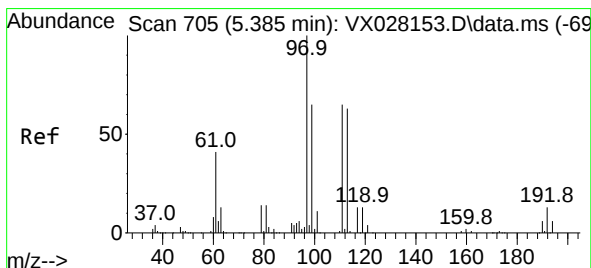
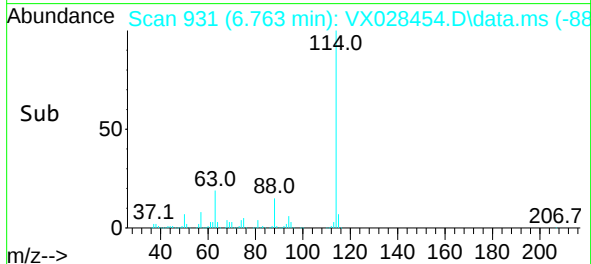
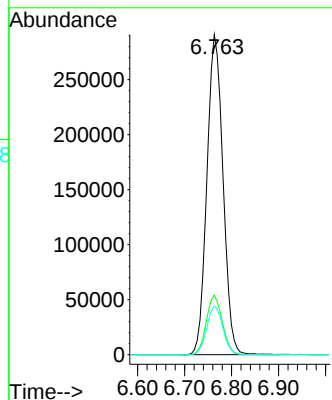
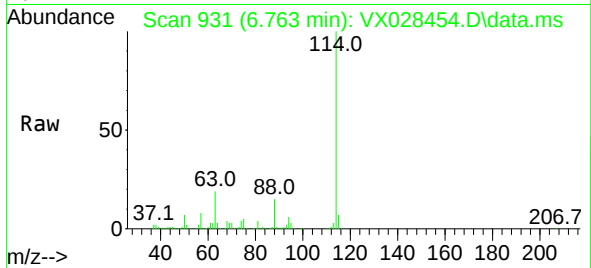




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

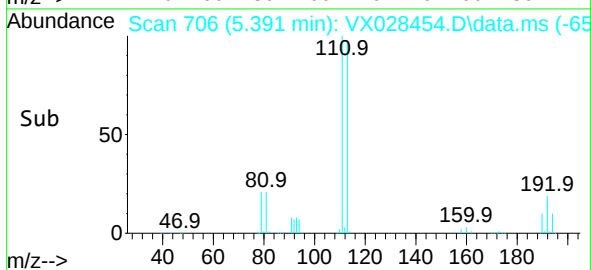
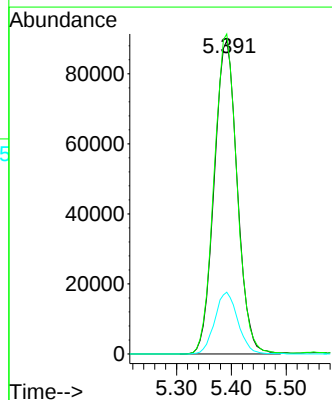
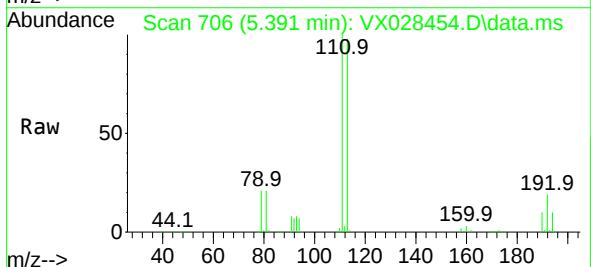
Instrument :
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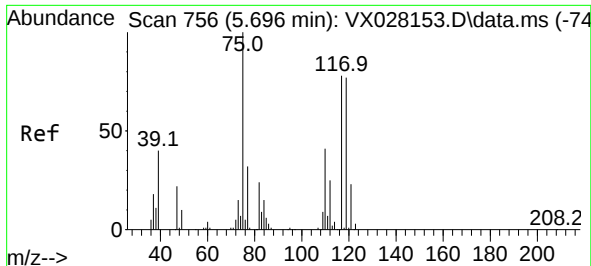
Tgt Ion:114 Resp: 690469
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.8
88 15.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.900 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion:113 Resp: 260996
Ion Ratio Lower Upper
113 100
111 101.6 82.8 124.2
192 19.8 16.9 25.3

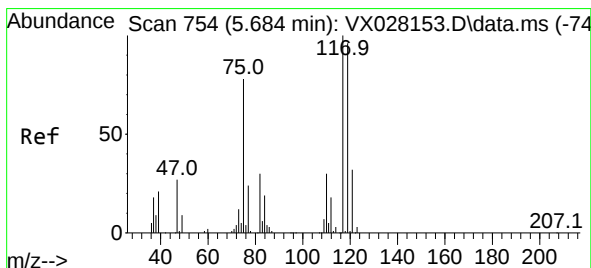
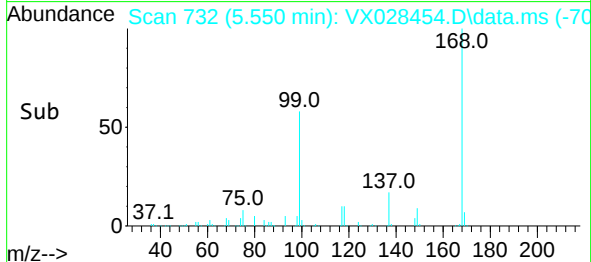
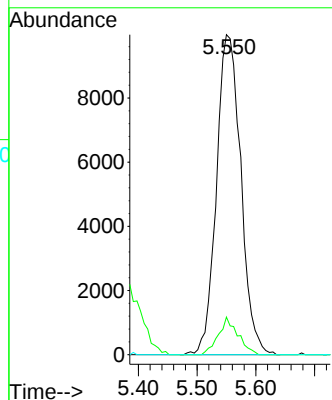
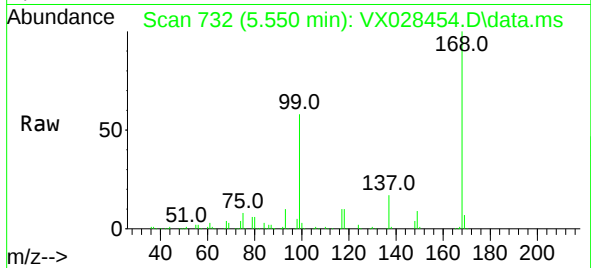




#36
1,1-Dichloropropene
Concen: 4.544 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

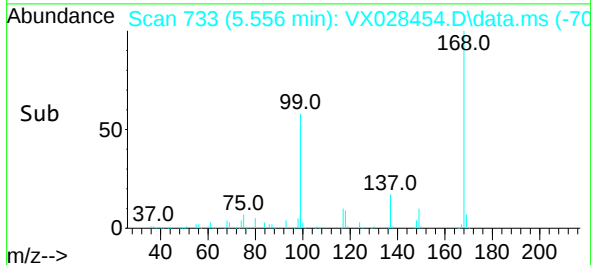
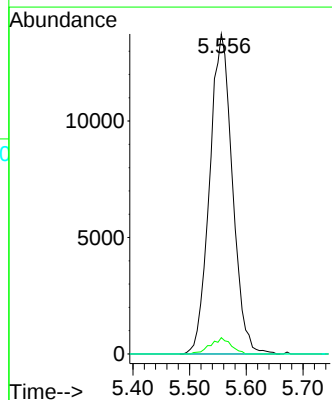
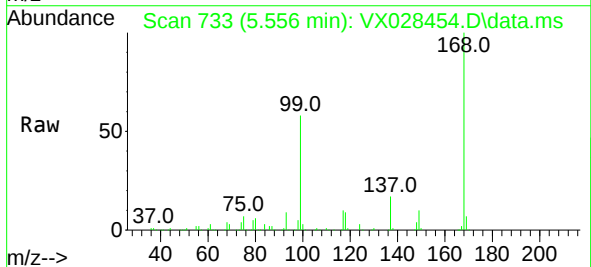
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#09

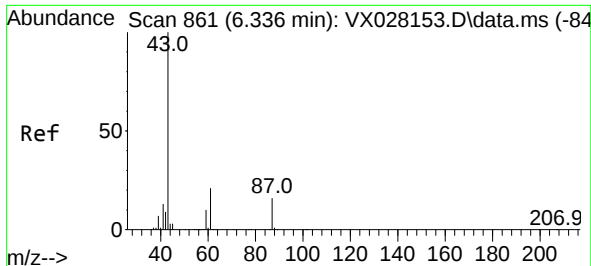
Tgt Ion: 75 Resp: 28701
Ion Ratio Lower Upper
75 100
110 9.4 18.3 54.8#
77 0.0 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.385 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.128 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

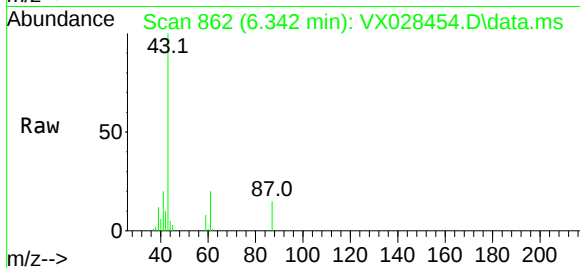
Tgt Ion: 117 Resp: 38397
Ion Ratio Lower Upper
117 100
119 5.1 77.3 115.9#
121 0.0 24.2 36.2#



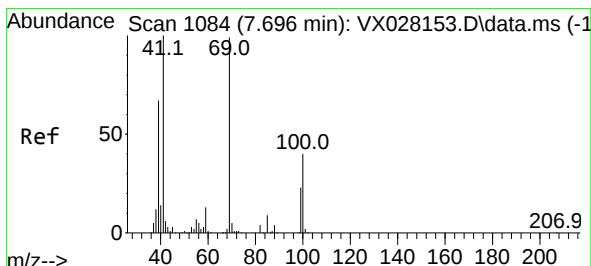
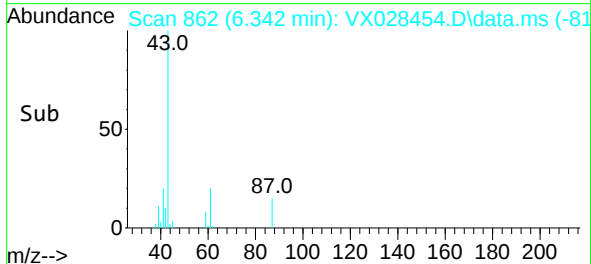
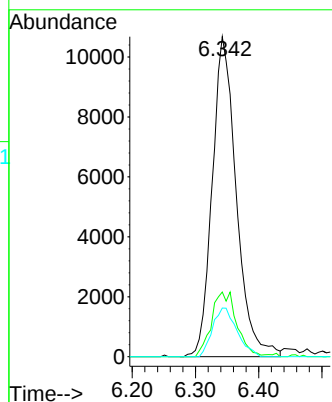


#43
Isopropyl Acetate
Concen: 2.707 ug/l
RT: 6.342 min Scan# 80
Delta R.T. 0.006 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#09

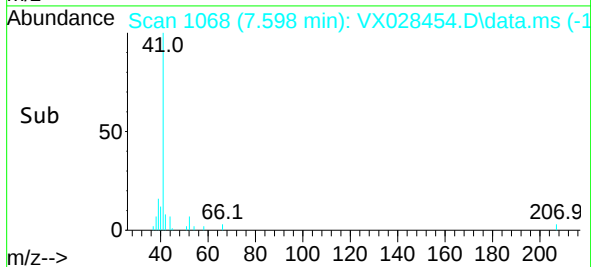
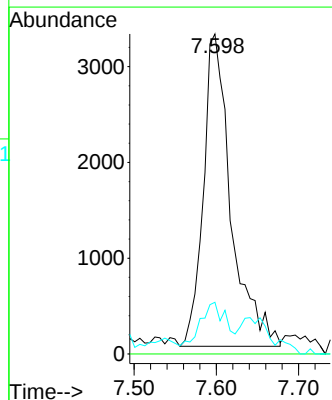
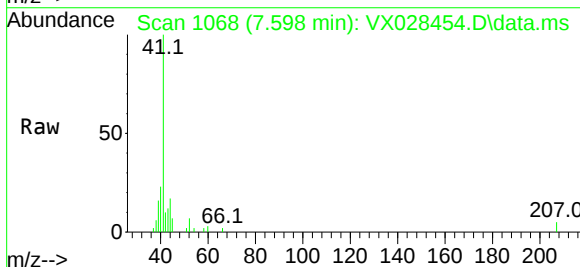


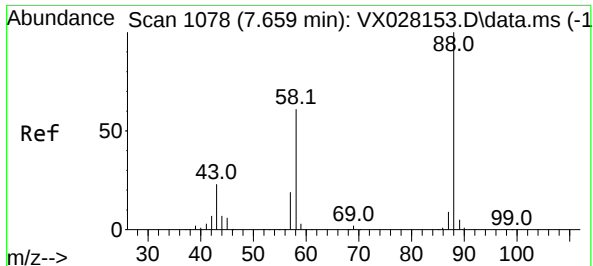
Tgt Ion: 43 Resp: 28231
Ion Ratio Lower Upper
43 100
61 21.2 18.5 27.7
87 15.4 13.0 19.6



#48
Methyl methacrylate
Concen: 1.593 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion: 41 Resp: 7627
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#

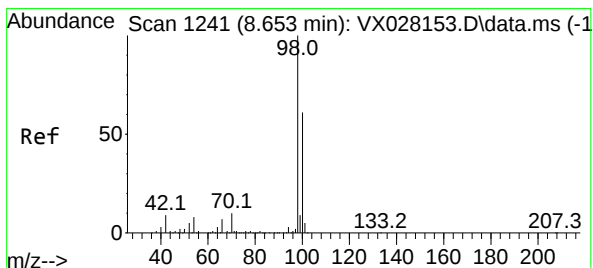
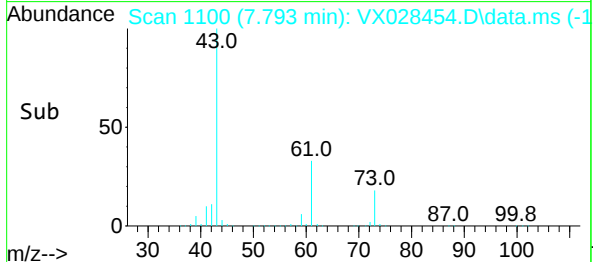
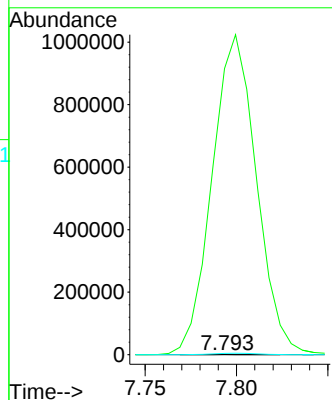
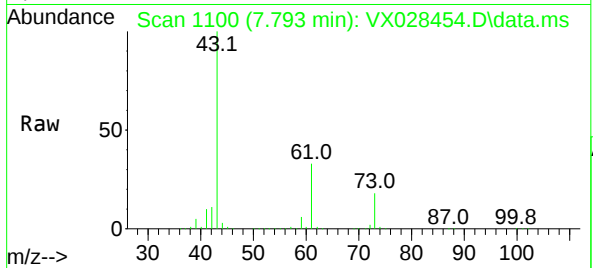




#49
1,4-Dioxane
Concen: 3.333 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.134 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

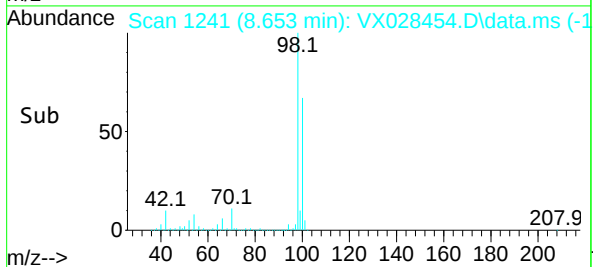
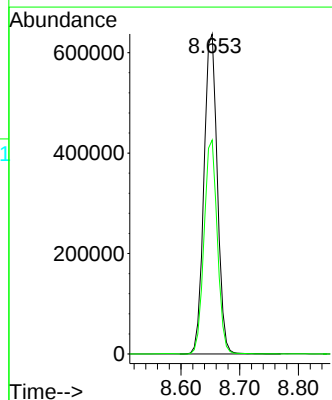
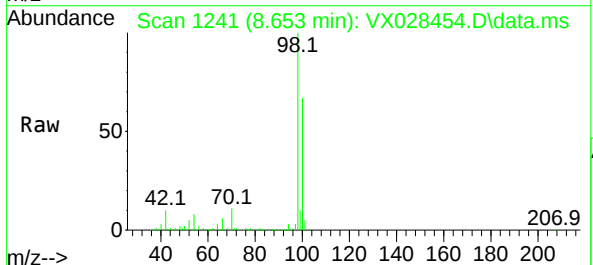
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#09

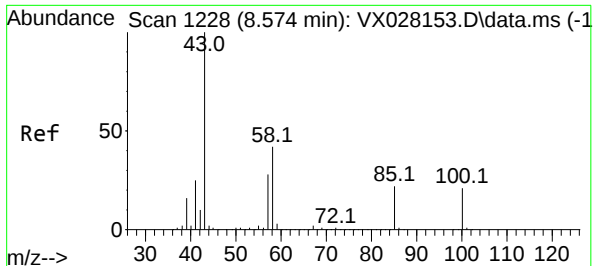
Tgt Ion: 88 Resp: 427
Ion Ratio Lower Upper
88 100
43 407811.7 21.9 32.9#
58 1925.3 53.7 80.5#



#50
Toluene-d8
Concen: 54.298 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion: 98 Resp: 1009832
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8

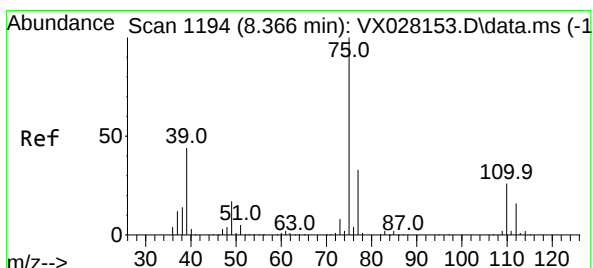
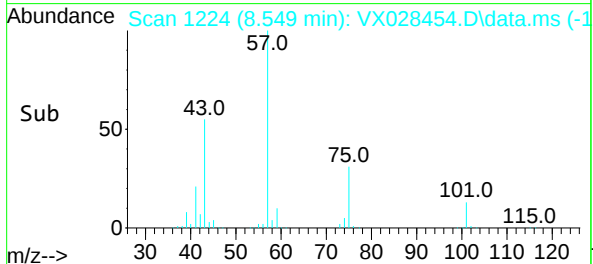
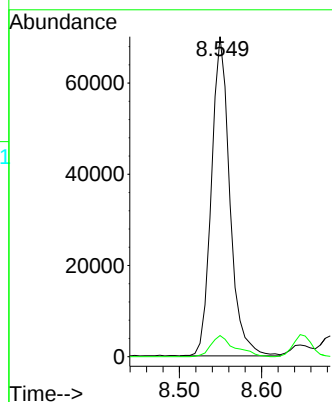
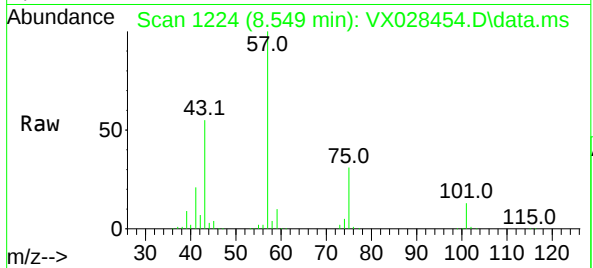




#51
4-Methyl-2-Pentanone
Concen: 16.275 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

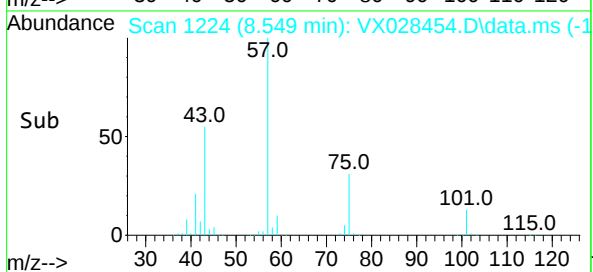
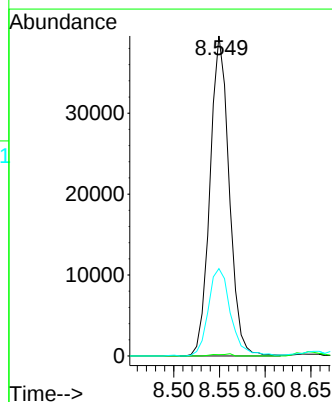
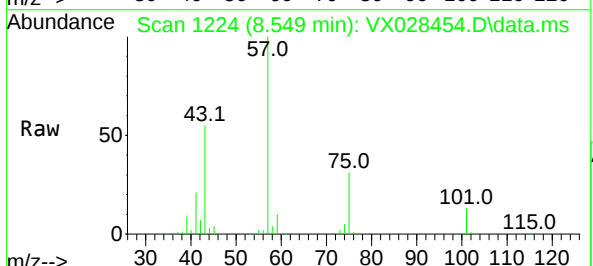
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#09

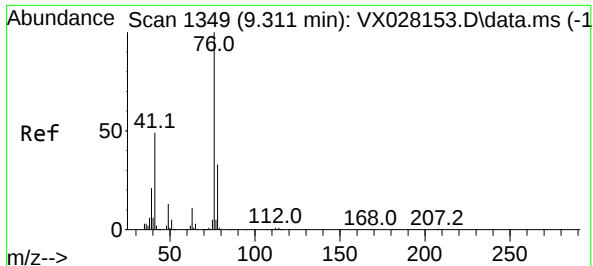
Tgt Ion: 43 Resp: 108935
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.402 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion: 75 Resp: 57636
Ion Ratio Lower Upper
75 100
77 0.4 24.8 37.2#
39 27.3 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.517 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX028454.D

Acq: 30 Apr 2022 03:50

Instrument :

MSVOA_X

ClientSampleId :

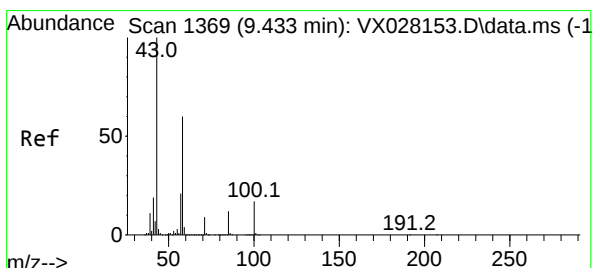
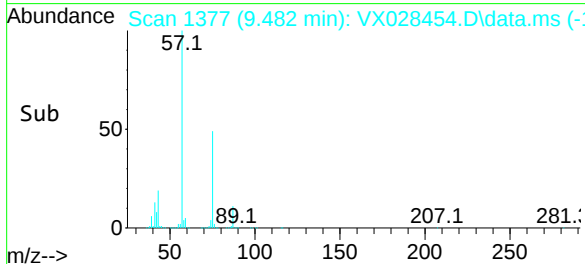
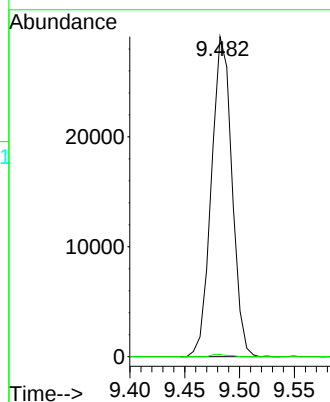
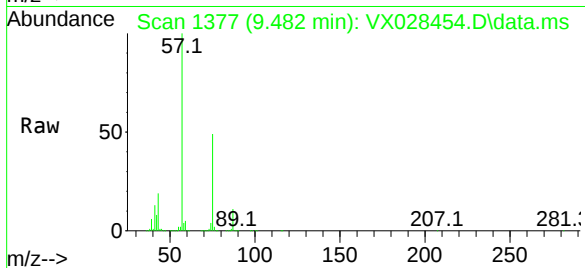
PB144452ZHE#09

Tgt Ion: 76 Resp: 38050

Ion Ratio Lower Upper

76 100

78 0.5 25.8 38.8#



#59

2-Hexanone

Concen: 83.847 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028454.D

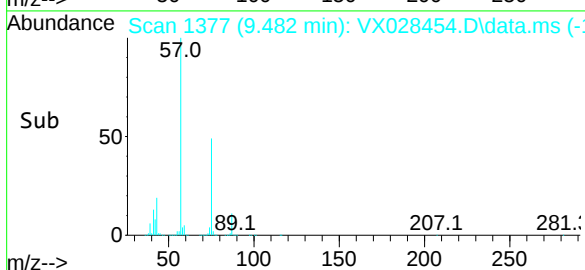
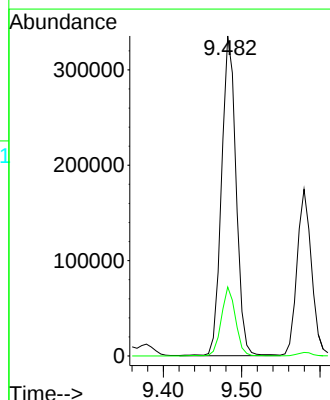
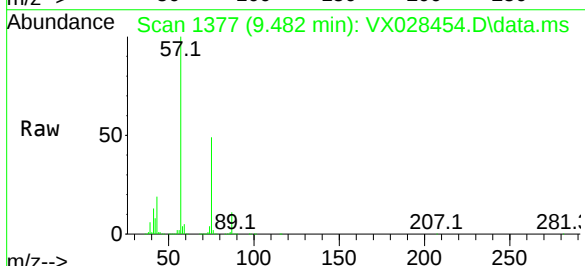
Acq: 30 Apr 2022 03:50

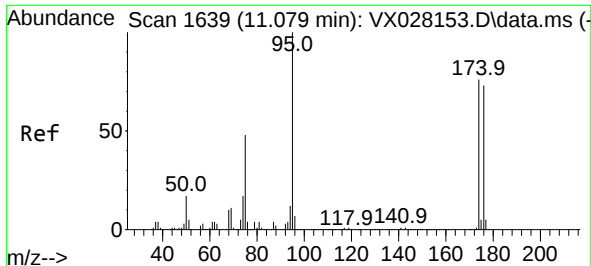
Tgt Ion: 43 Resp: 434737

Ion Ratio Lower Upper

43 100

58 21.1 31.9 95.7#

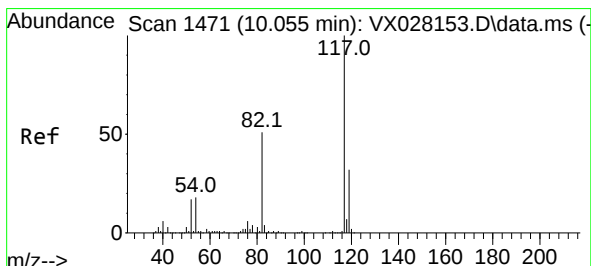
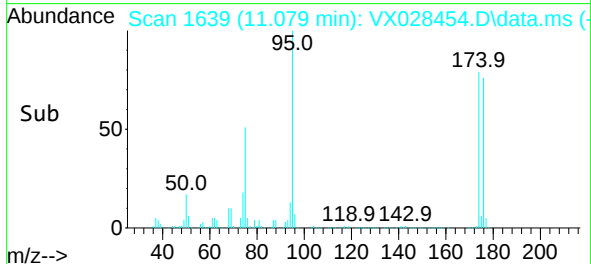
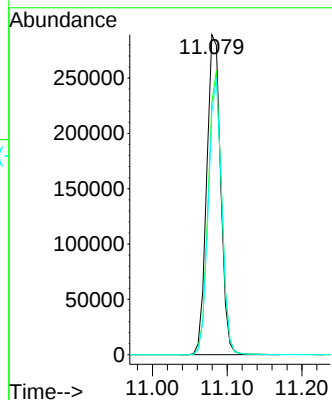
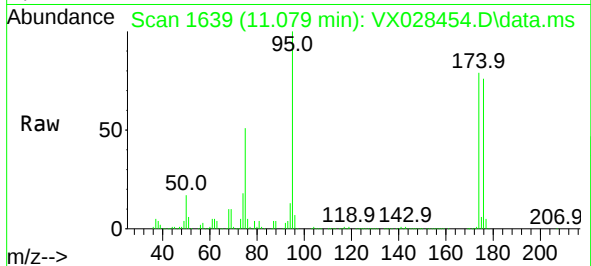




#62
4-Bromofluorobenzene
Concen: 52.657 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

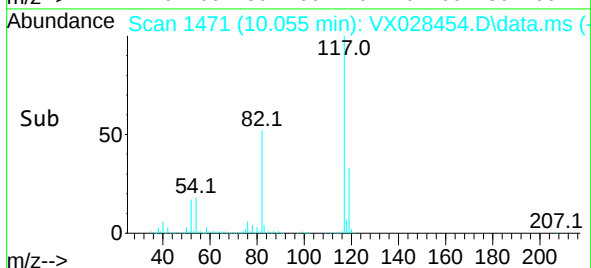
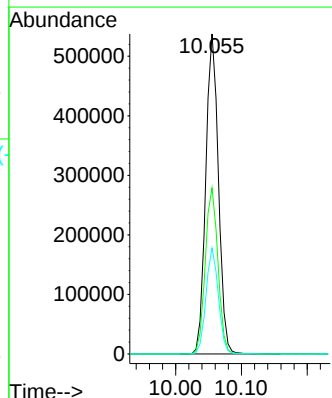
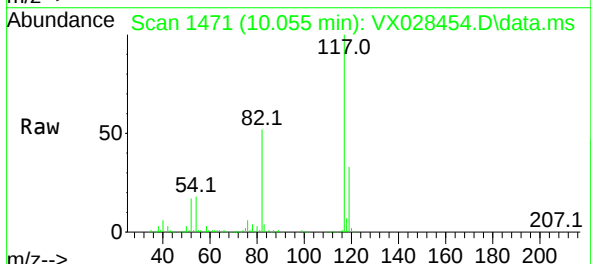
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#09

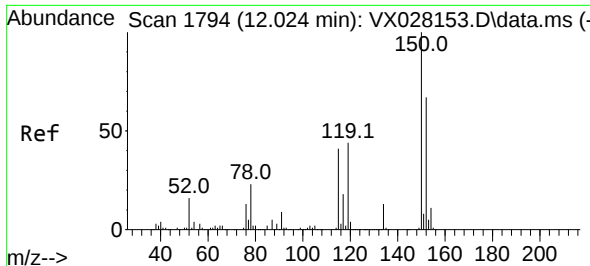
Tgt Ion: 95 Resp: 374445
Ion Ratio Lower Upper
95 100
174 86.0 0.0 163.0
176 83.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion: 117 Resp: 720514
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 33.1 24.8 37.2

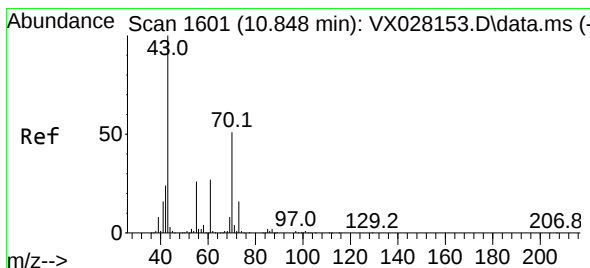
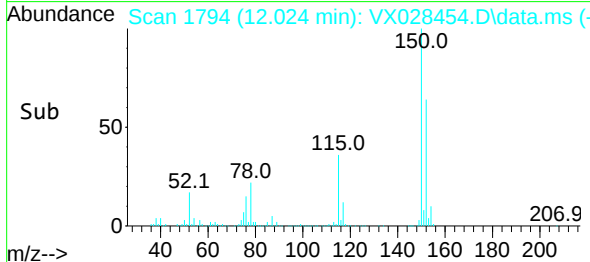
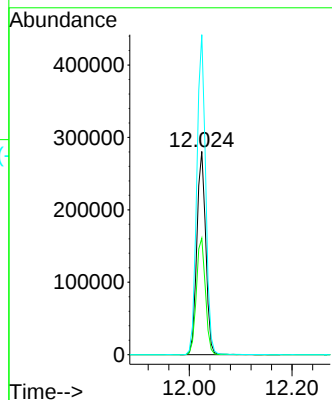
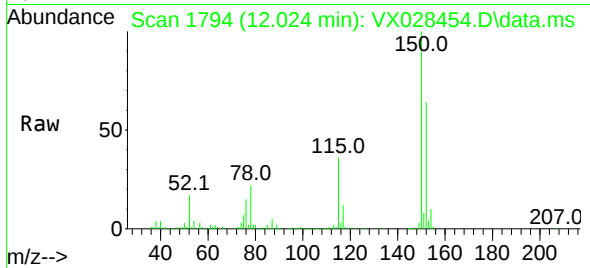




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

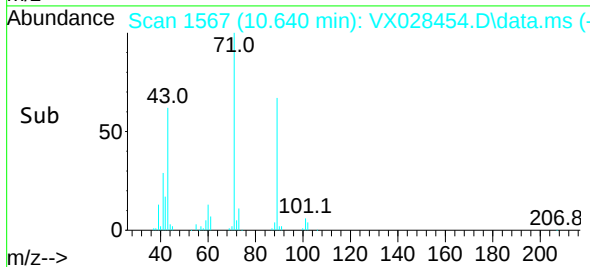
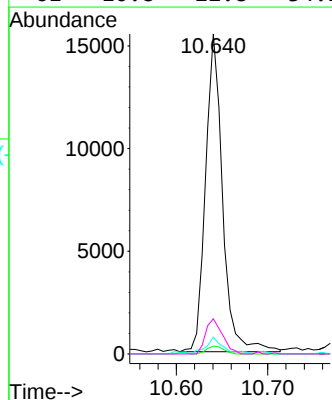
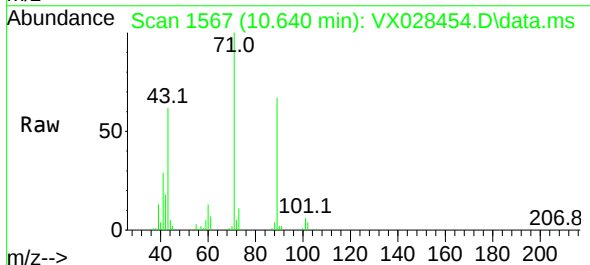
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#09

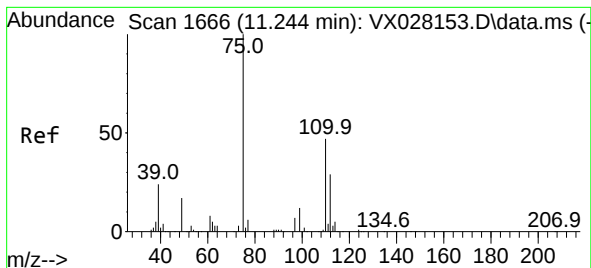
Tgt Ion:152 Resp: 338331
Ion Ratio Lower Upper
152 100
115 58.4 37.5 112.7
150 156.3 0.0 338.2



#74
N-ethyl acetate
Concen: 2.491 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.208 min
Lab File: VX028454.D
Acq: 30 Apr 2022 03:50

Tgt Ion: 43 Resp: 20021
Ion Ratio Lower Upper
43 100
70 2.4 42.5 63.7#
55 5.3 23.1 34.7#
61 10.8 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 28.196 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.165 min

Lab File: VX028454.D

Acq: 30 Apr 2022 03:50

Instrument :

MSVOA_X

ClientSampleId :

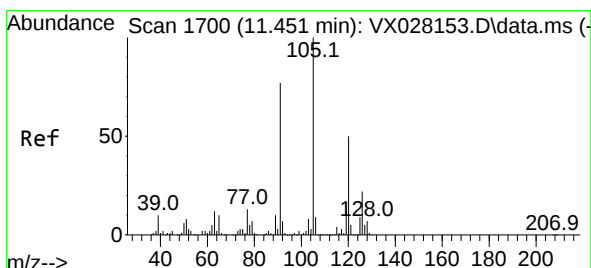
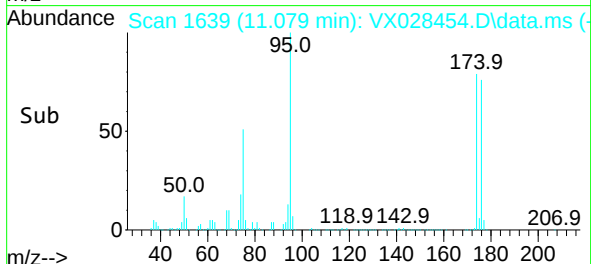
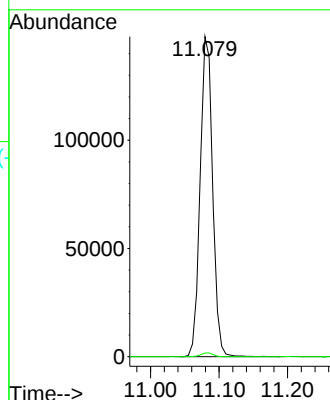
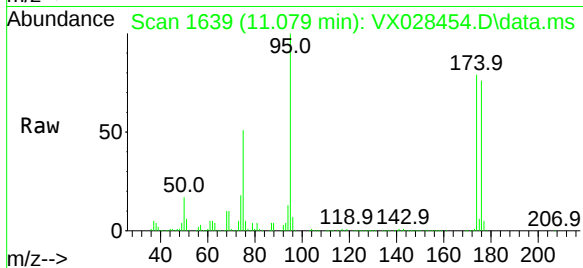
PB144452ZHE#09

Tgt Ion: 75 Resp: 187744

Ion Ratio Lower Upper

75 100

77 1.2 19.4 58.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.200 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX028454.D

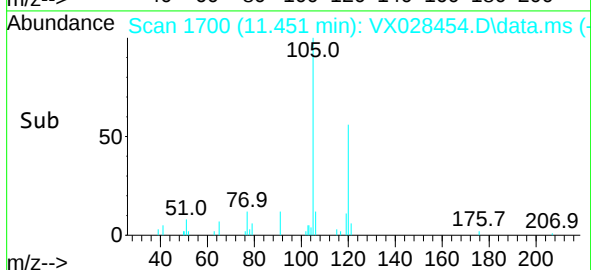
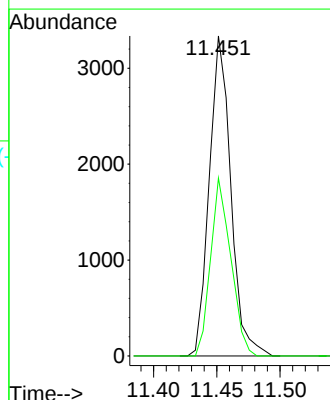
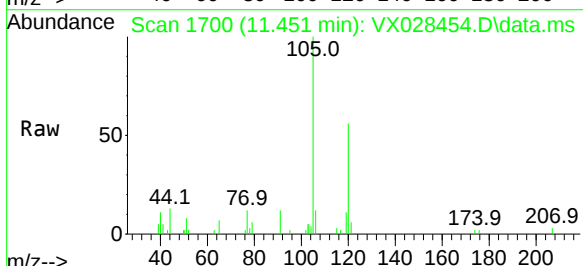
Acq: 30 Apr 2022 03:50

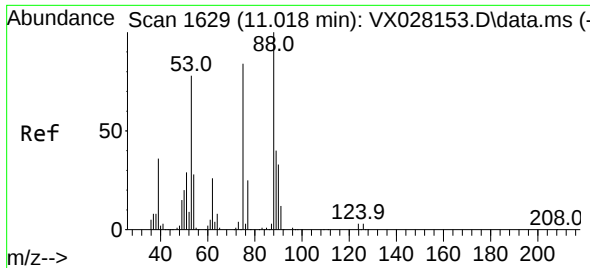
Tgt Ion: 105 Resp: 3952

Ion Ratio Lower Upper

105 100

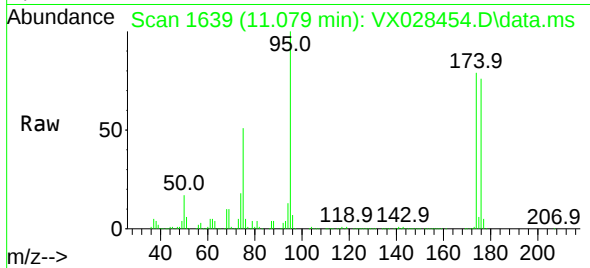
120 52.2 24.3 72.9





#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.791 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028454.D
 Acq: 30 Apr 2022 03:50

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#09



Tgt Ion: 75 Resp: 187744
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

