

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028446.D
 Acq On : 30 Apr 2022 00:44
 Operator : JC/MD
 Sample : PB144452ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#01

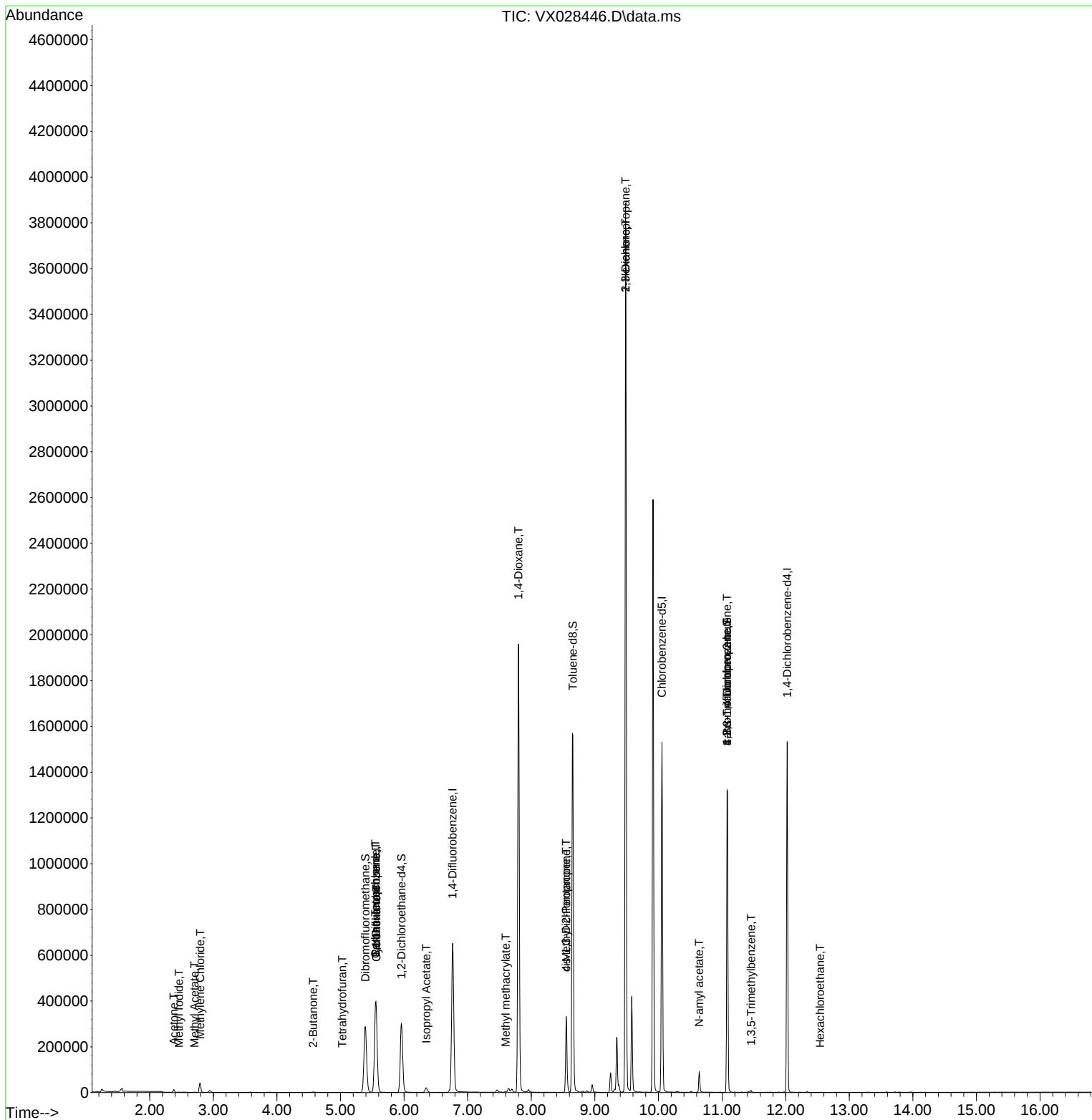
Quant Time: Apr 30 09:21:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

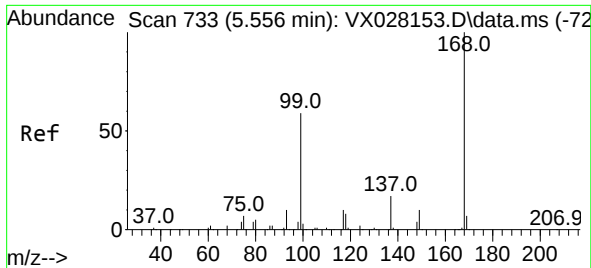
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	392375	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	690316	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	710814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	318308	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	284233	55.556	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.120%			
35) Dibromofluoromethane	5.391	113	252399	52.136	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.280%			
50) Toluene-d8	8.653	98	979542	52.681	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.360%			
62) 4-Bromofluorobenzene	11.079	95	356421	50.133	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.260%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	418	Below Cal	#	79
5) Bromomethane	1.612	94	1267	Below Cal		100
6) Chloroethane	1.679	64	832	Below Cal	#	77
10) Methyl Iodide	2.459	142	1260	5.494	ug/l #	95
11) Tert butyl alcohol	2.941	59	4659	Below Cal	#	72
16) Acetone	2.380	43	13249	7.122	ug/l	97
18) Methyl Acetate	2.703	43	1945	0.428	ug/l	97
20) Methylene Chloride	2.794	84	19986	5.265	ug/l	96
25) 2-Butanone	4.568	43	2431	0.802	ug/l #	86
29) Tetrahydrofuran	5.026	42	570	0.289	ug/l #	60
31) Cyclohexane	5.562	56	8253	1.324	ug/l #	45
36) 1,1-Dichloropropene	5.556	75	29167	4.619	ug/l #	50
38) Carbon Tetrachloride	5.550	117	40780	5.721	ug/l #	16
43) Isopropyl Acetate	6.348	43	27138	2.602	ug/l	97
48) Methyl methacrylate	7.598	41	7103	1.484	ug/l #	7
49) 1,4-Dioxane	7.799	88	353	2.756	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	104502	15.616	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	56086	7.204	ug/l #	70
57) 1,3-Dichloropropane	9.482	76	36368	4.318	ug/l #	43
59) 2-Hexanone	9.482	43	415599	80.174	ug/l #	45
74) N-amyl acetate	10.640	43	19419	2.568	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	175301	27.983	ug/l #	38
80) 1,3,5-Trimethylbenzene	11.457	105	4036	0.217	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	175301	83.159	ug/l #	15
90) Hexachloroethane	12.542	117	42	1.825	ug/l #	10

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

Quant Time: Apr 30 09:21:26 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
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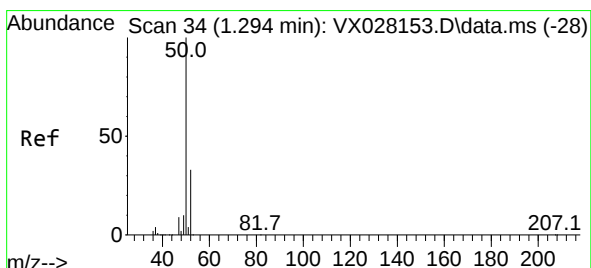
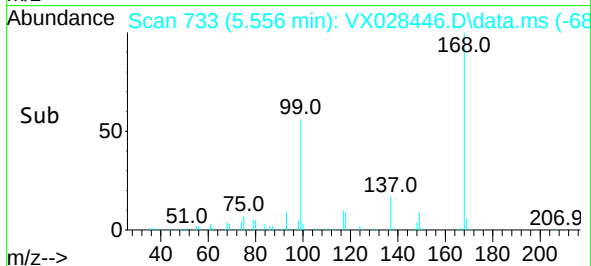
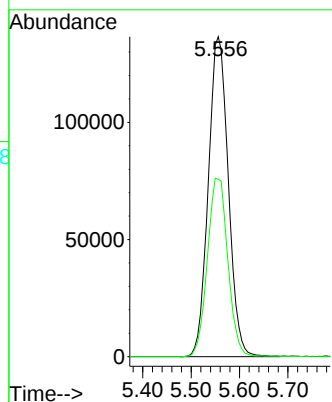
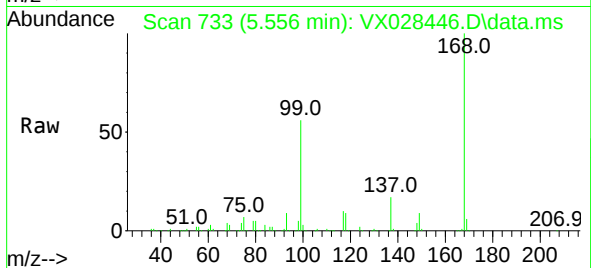




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

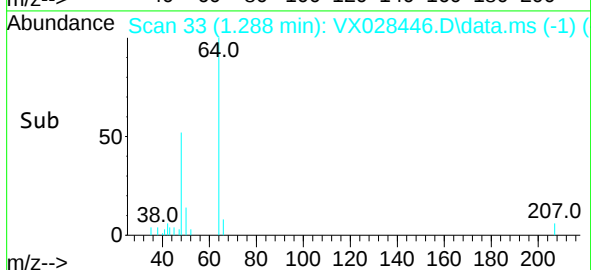
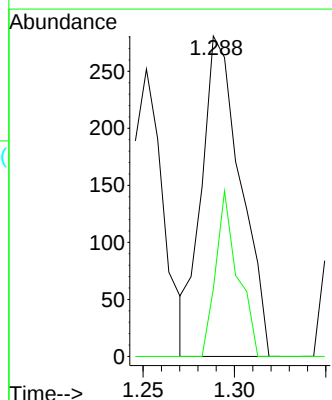
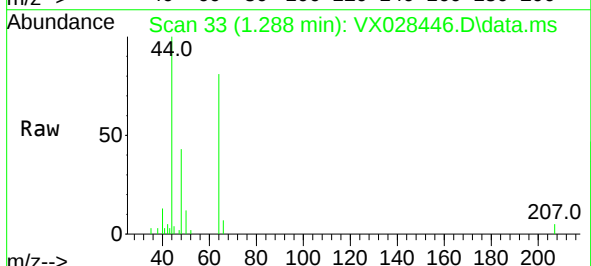
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#01

Tgt Ion:168 Resp: 392375
Ion Ratio Lower Upper
168 100
99 55.5 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Tgt Ion: 50 Resp: 418
Ion Ratio Lower Upper
50 100
52 21.0 26.4 39.6#

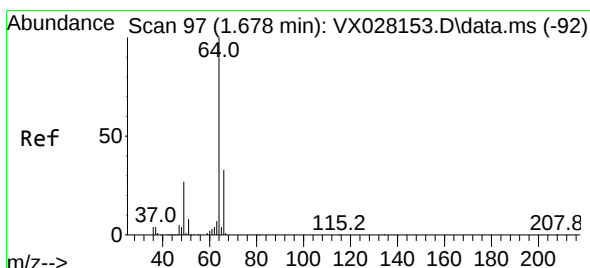
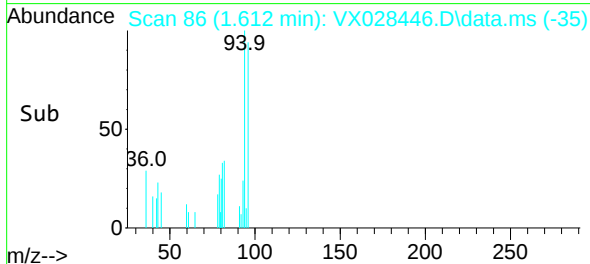
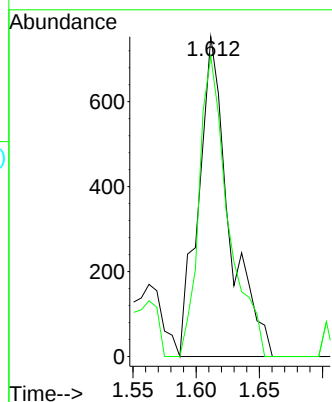
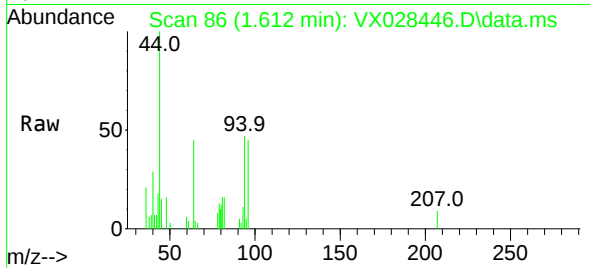




#5
Bromomethane
Concen: Below Cal
RT: 1.612 min Scan# 80
Delta R.T. 0.013 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

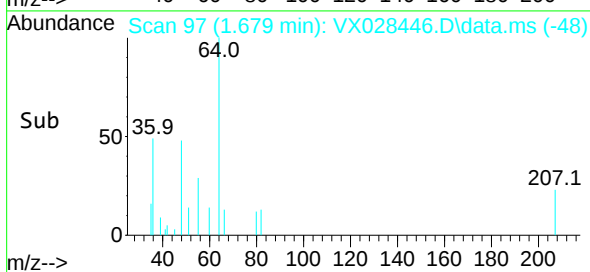
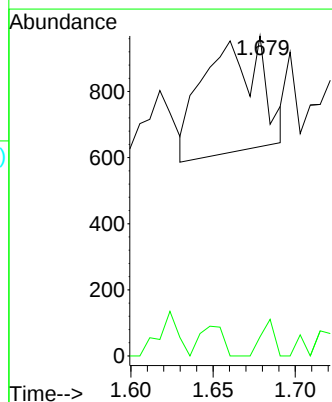
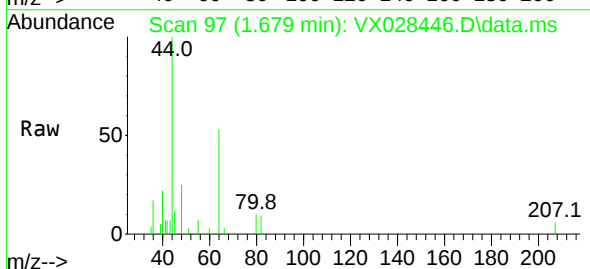
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MSVOA_X
ClientSampleId :
PB144452ZHE#01

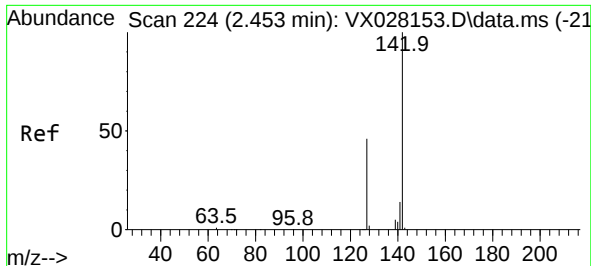
Tgt Ion: 94 Resp: 1267
Ion Ratio Lower Upper
94 100
96 93.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.679 min Scan# 97
Delta R.T. 0.001 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

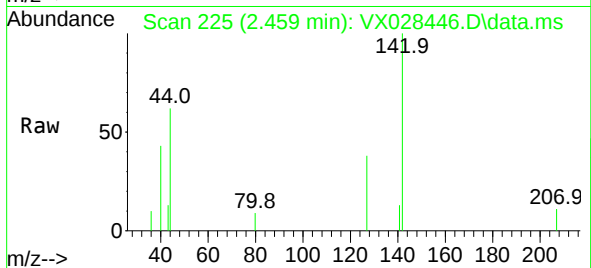
Tgt Ion: 64 Resp: 832
Ion Ratio Lower Upper
64 100
66 19.1 25.3 37.9#



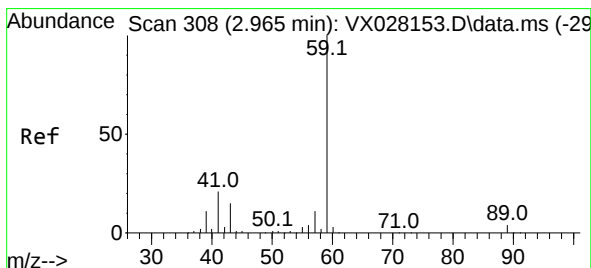
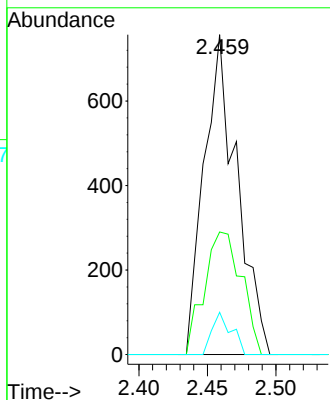
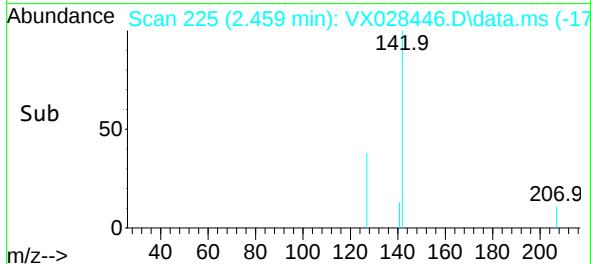


#10
Methyl Iodide
Concen: 5.494 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#01

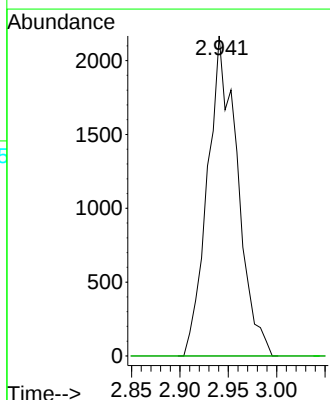
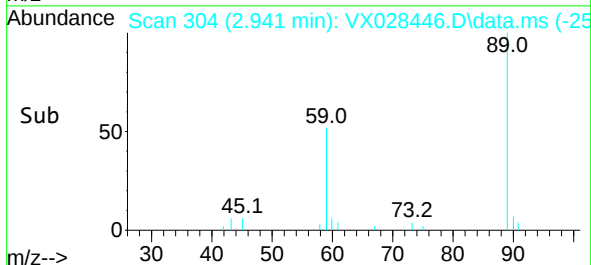
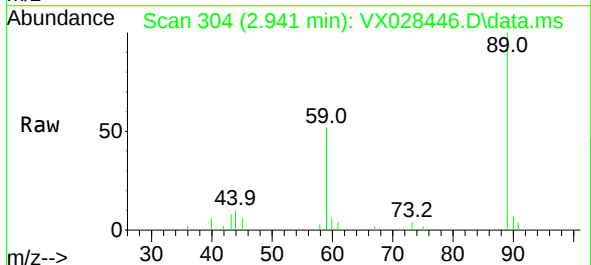


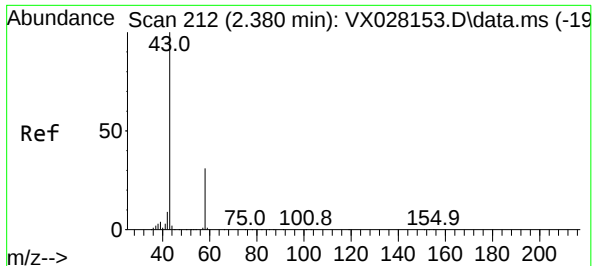
Tgt Ion:142 Resp: 1260
Ion Ratio Lower Upper
142 100
127 43.4 33.9 50.9
141 7.8 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.024 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Tgt Ion: 59 Resp: 4659
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

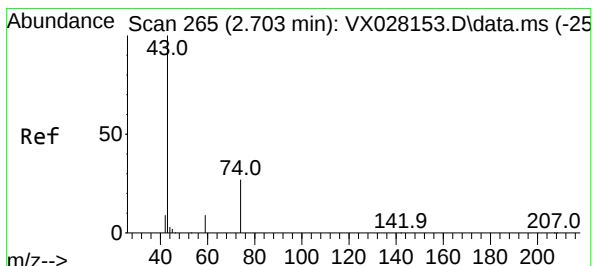
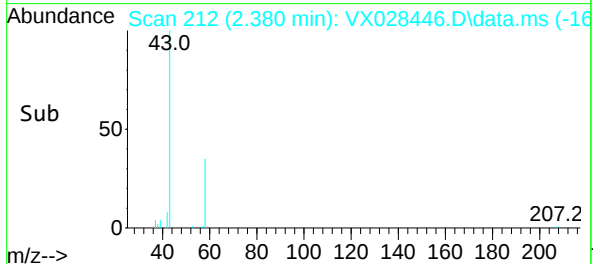
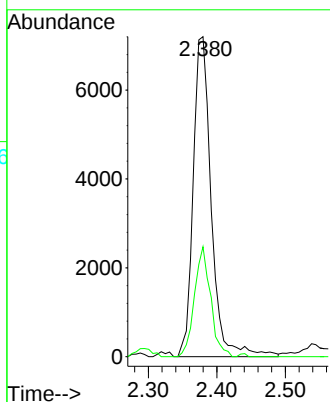
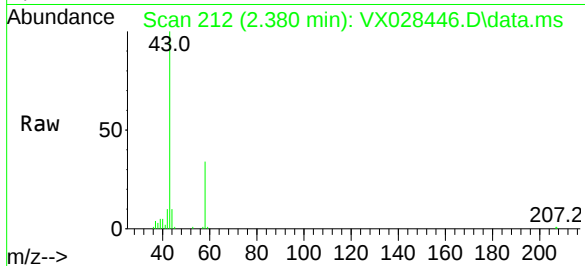




#16
Acetone
Concen: 7.122 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

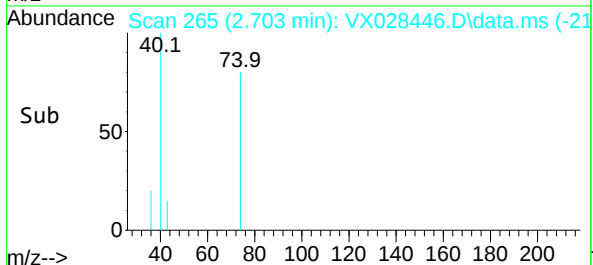
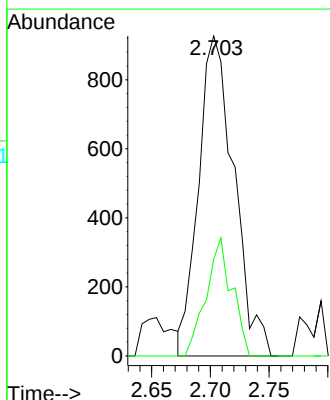
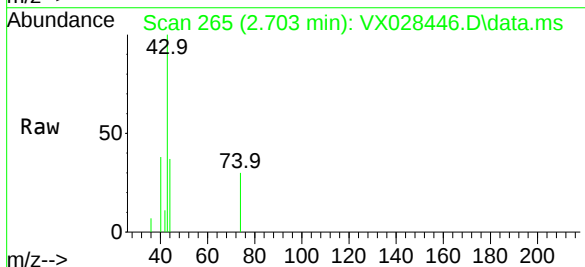
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#01

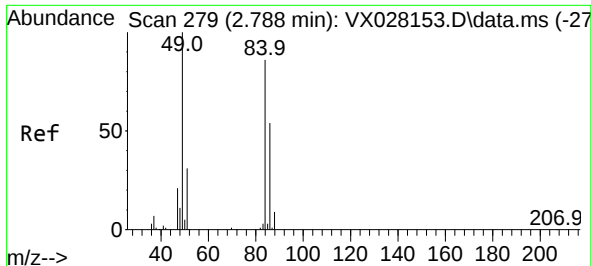
Tgt Ion: 43 Resp: 13249
Ion Ratio Lower Upper
43 100
58 34.4 28.8 43.2



#18
Methyl Acetate
Concen: 0.428 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Tgt Ion: 43 Resp: 1945
Ion Ratio Lower Upper
43 100
74 26.8 22.8 34.2





#20

Methylene Chloride

Concen: 5.265 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX028446.D

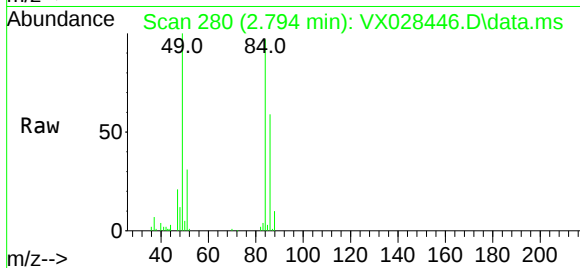
Acq: 30 Apr 2022 00:44

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#01



Tgt Ion: 84 Resp: 19986

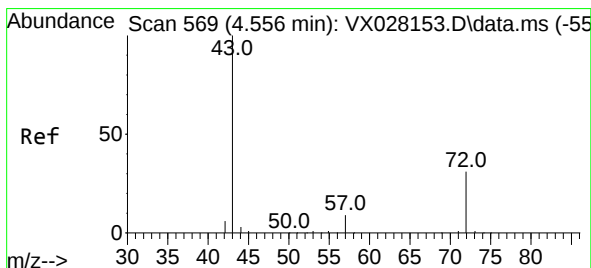
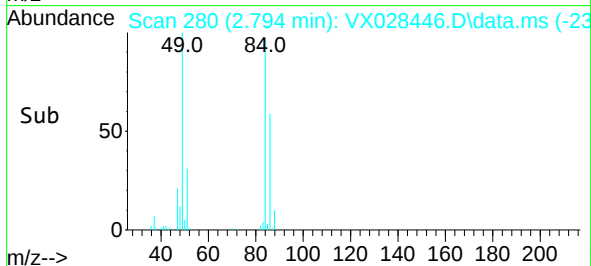
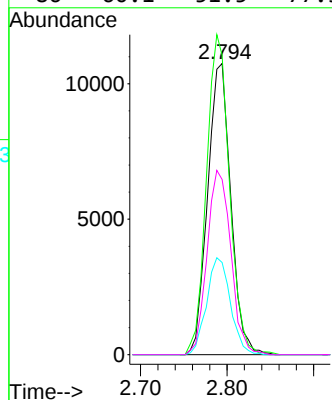
Ion Ratio Lower Upper

84 100

49 102.8 85.5 128.3

51 31.7 26.6 39.8

86 60.1 51.5 77.3



#25

2-Butanone

Concen: 0.802 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX028446.D

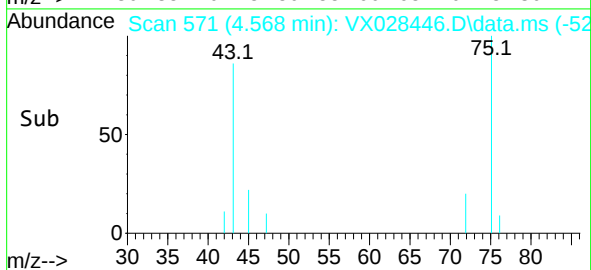
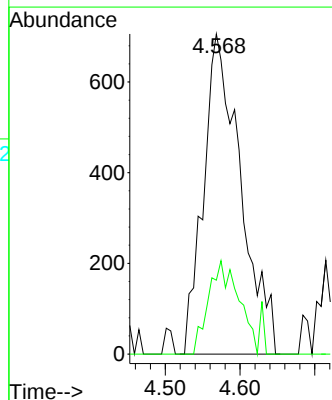
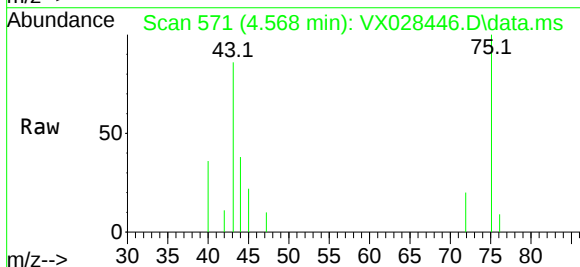
Acq: 30 Apr 2022 00:44

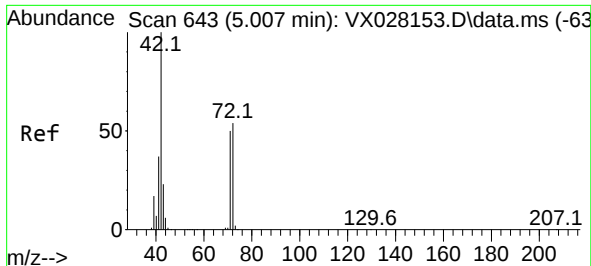
Tgt Ion: 43 Resp: 2431

Ion Ratio Lower Upper

43 100

72 23.1 24.4 36.6#





#29

Tetrahydrofuran

Concen: 0.289 ug/l

RT: 5.026 min Scan# 64

Delta R.T. 0.019 min

Lab File: VX028446.D

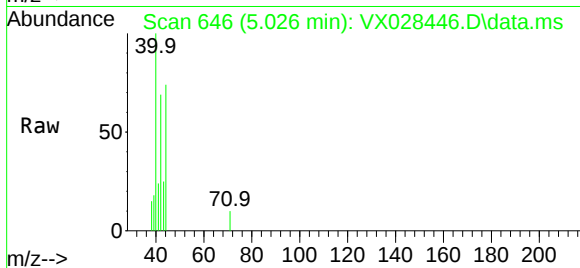
Acq: 30 Apr 2022 00:44

Instrument :

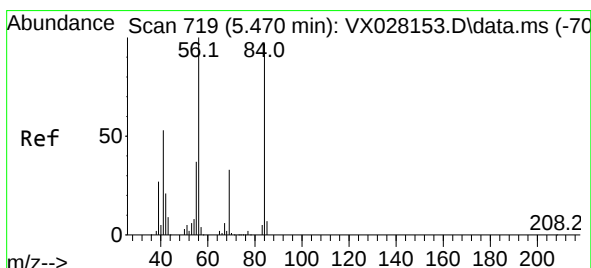
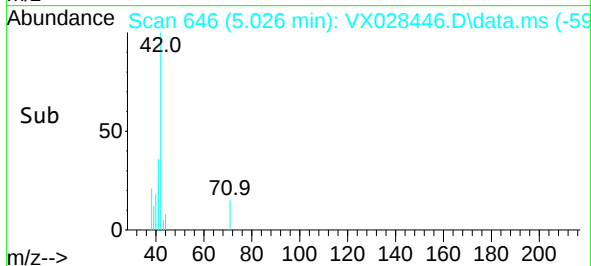
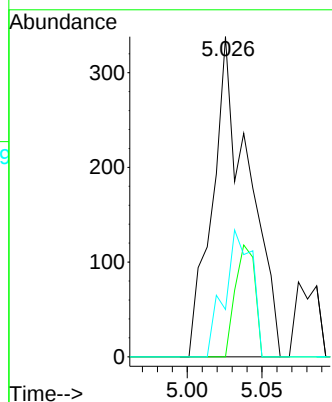
MSVOA_X

ClientSampleId :

PB144452ZHE#01



Tgt Ion: 42	Resp: 570
Ion Ratio	Lower Upper
42	100
72	18.8 44.1 66.1#
71	30.2 40.5 60.7#



#31

Cyclohexane

Concen: 1.324 ug/l

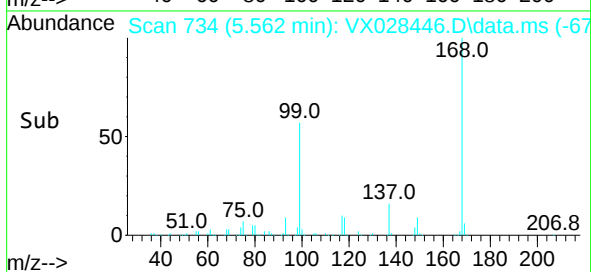
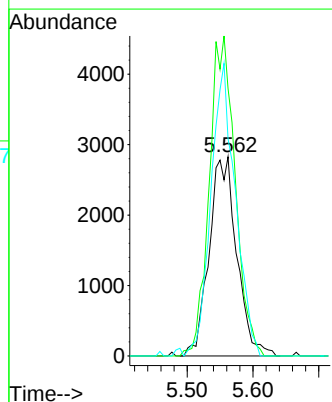
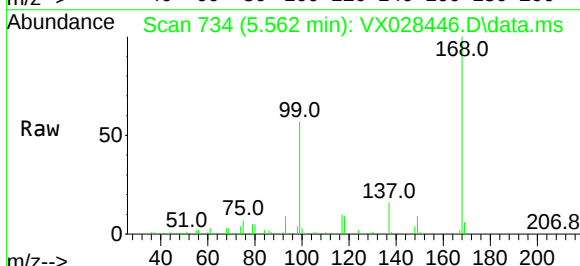
RT: 5.562 min Scan# 734

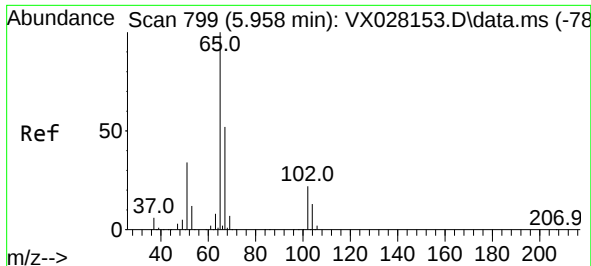
Delta R.T. 0.092 min

Lab File: VX028446.D

Acq: 30 Apr 2022 00:44

Tgt Ion: 56	Resp: 8253
Ion Ratio	Lower Upper
56	100
69	134.3 26.7 40.1#
84	109.0 77.2 115.8

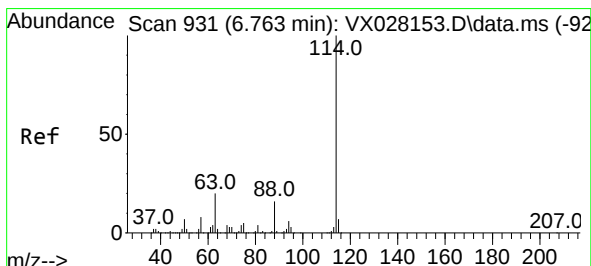
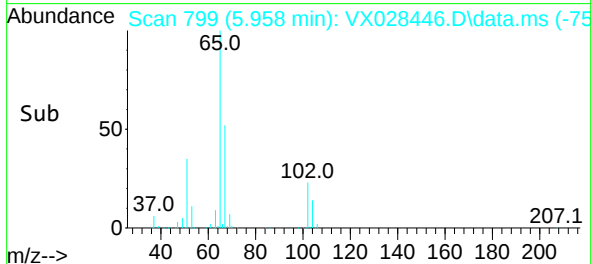
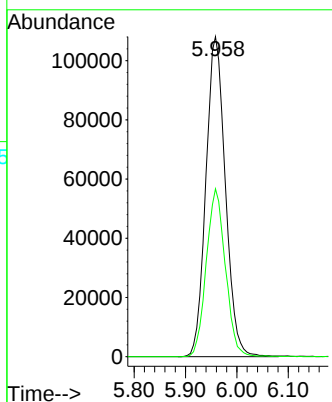
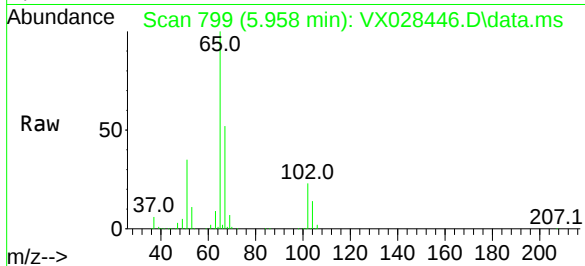




#33
 1,2-Dichloroethane-d4
 Concen: 55.556 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX028446.D
 Acq: 30 Apr 2022 00:44

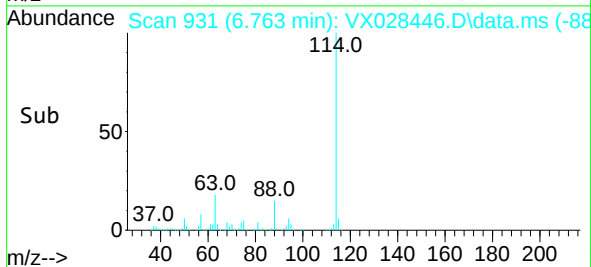
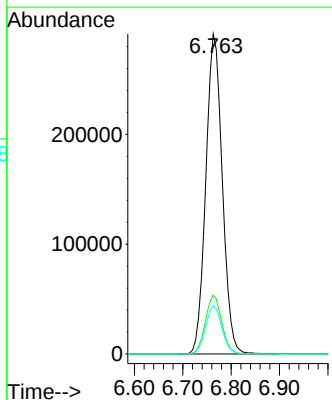
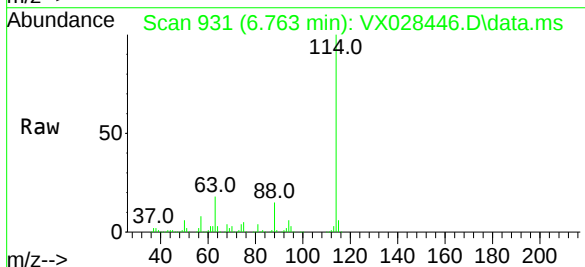
Instrument :
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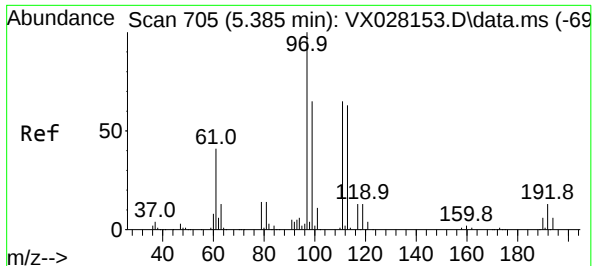
Tgt Ion: 65 Resp: 284233
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX028446.D
 Acq: 30 Apr 2022 00:44

Tgt Ion: 114 Resp: 690316
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 36.8
 88 15.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.136 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028446.D

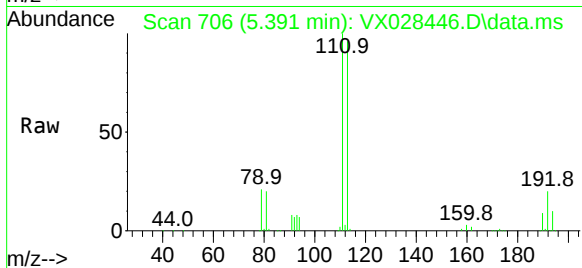
Acq: 30 Apr 2022 00:44

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#01



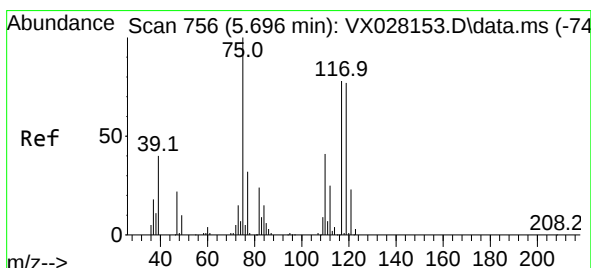
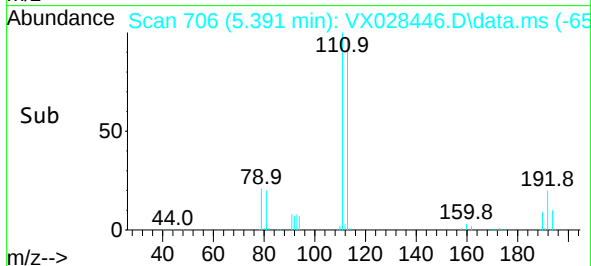
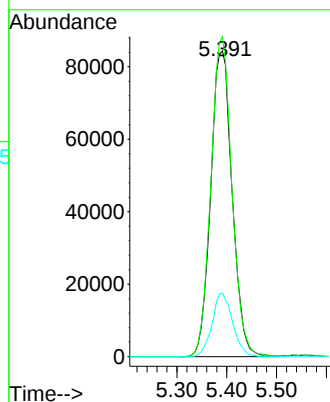
Tgt Ion:113 Resp: 252399

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 19.9 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.619 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028446.D

Acq: 30 Apr 2022 00:44

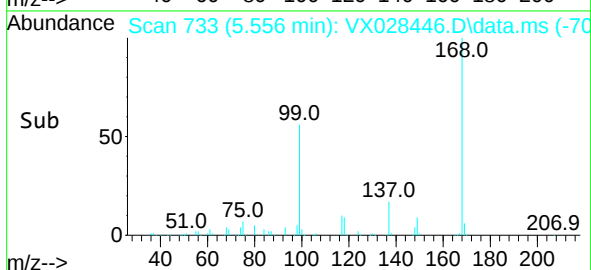
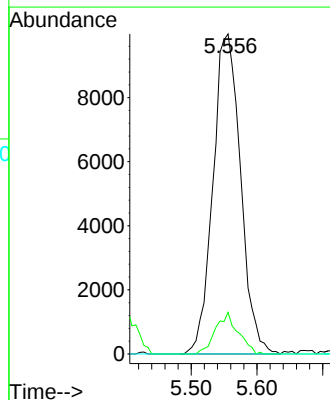
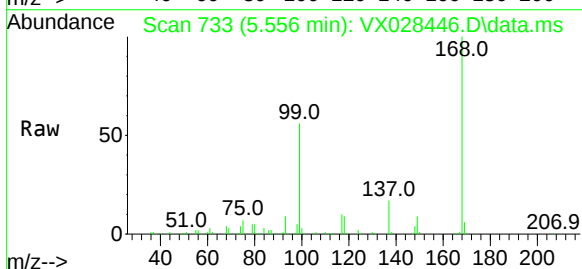
Tgt Ion: 75 Resp: 29167

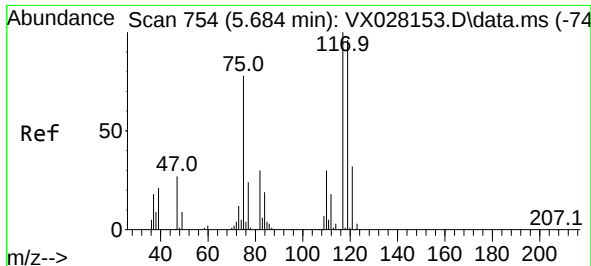
Ion Ratio Lower Upper

75 100

110 10.6 18.3 54.8#

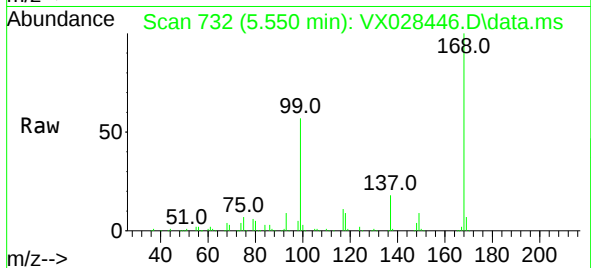
77 0.0 24.8 37.2#



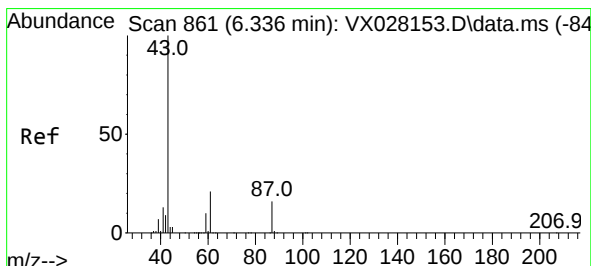
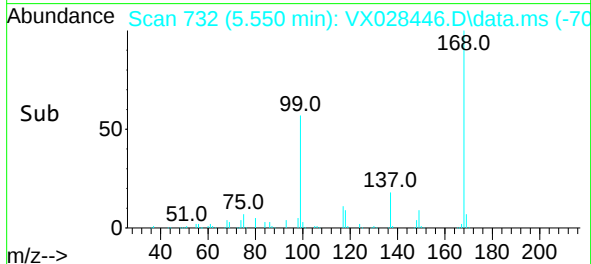
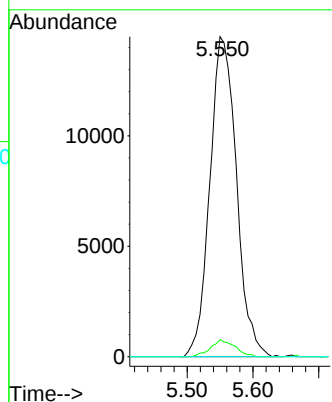


#38
Carbon Tetrachloride
Concen: 5.721 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#01

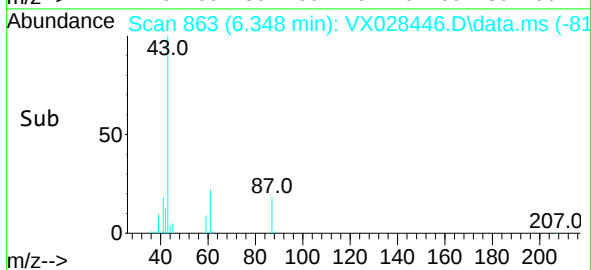
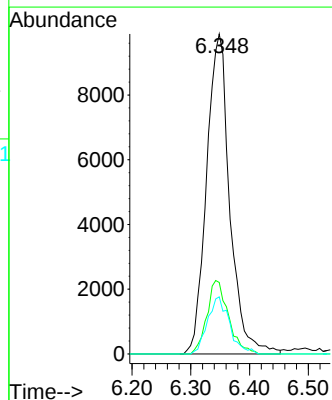
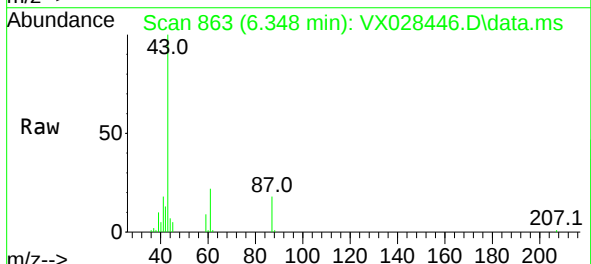


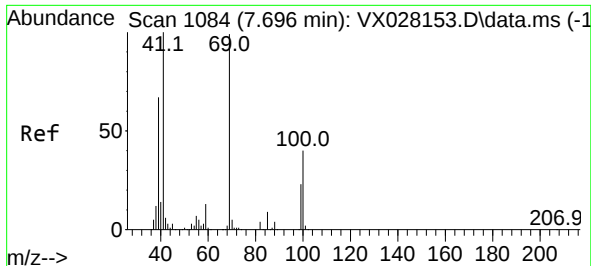
Tgt Ion:117 Resp: 40780
Ion Ratio Lower Upper
117 100
119 5.3 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.602 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Tgt Ion: 43 Resp: 27138
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 16.9 13.0 19.6

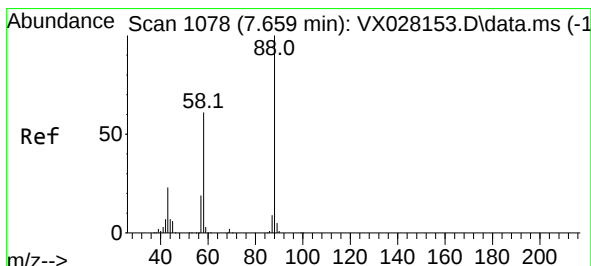
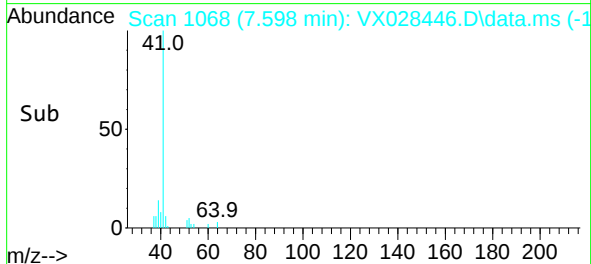
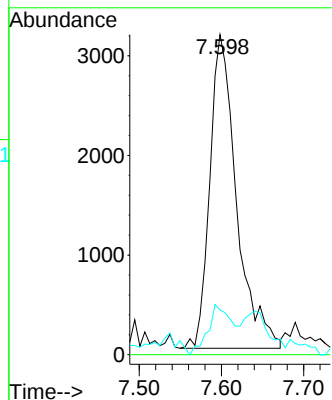
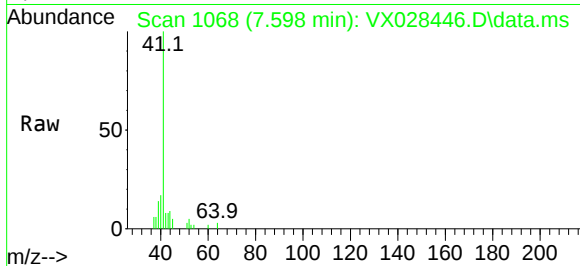




#48
Methyl methacrylate
Concen: 1.484 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.098 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

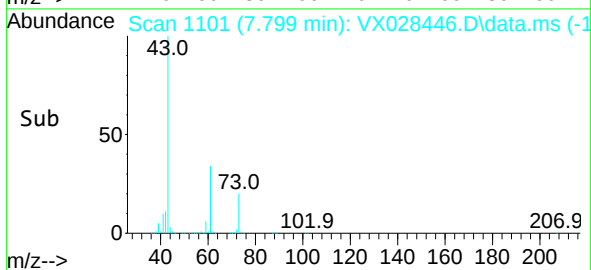
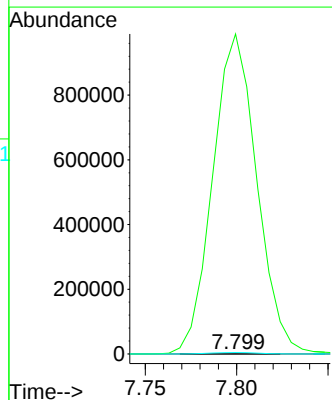
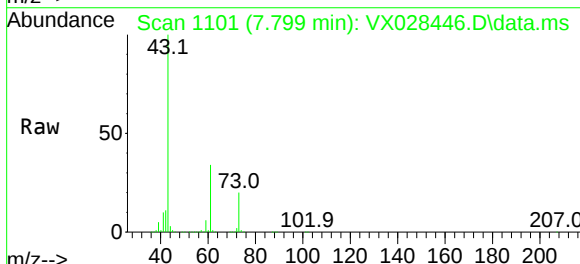
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#01

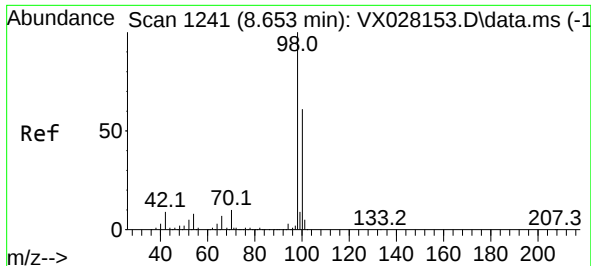
Tgt Ion: 41 Resp: 7103
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.756 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.140 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Tgt Ion: 88 Resp: 353
Ion Ratio Lower Upper
88 100
43 473935.4 21.9 32.9#
58 2226.1 53.7 80.5#

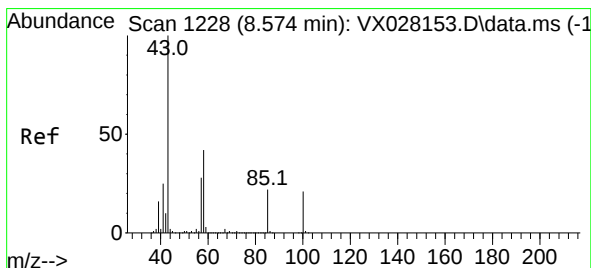
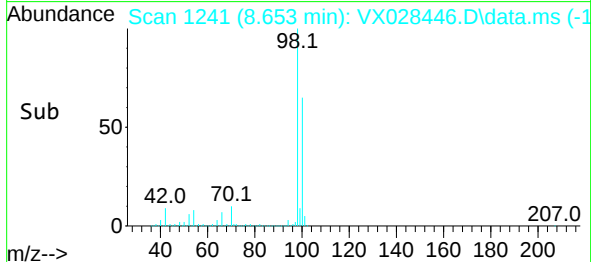
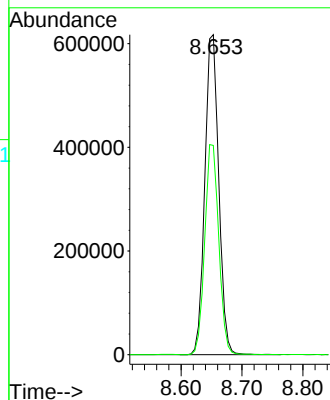
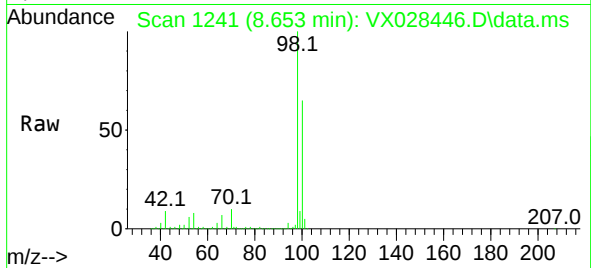




#50
Toluene-d8
Concen: 52.681 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

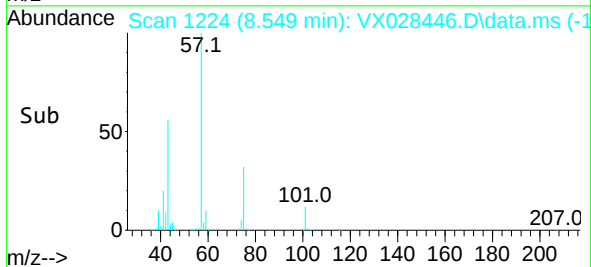
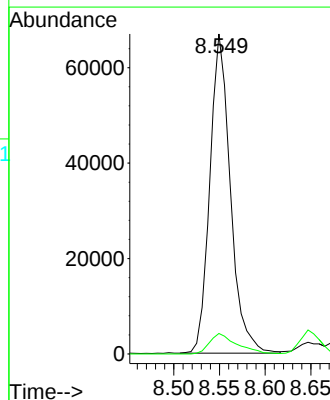
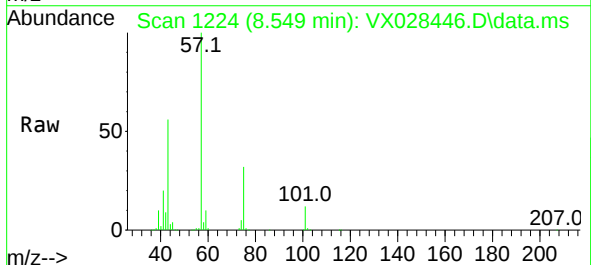
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#01

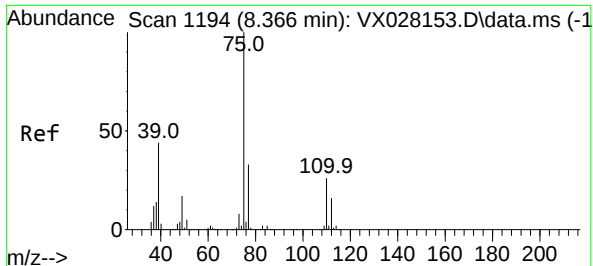
Tgt Ion: 98 Resp: 979542
Ion Ratio Lower Upper
98 100
100 66.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.616 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Tgt Ion: 43 Resp: 104502
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#

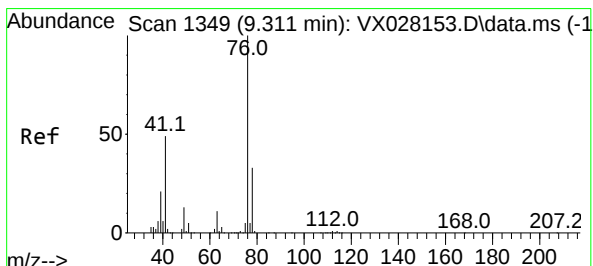
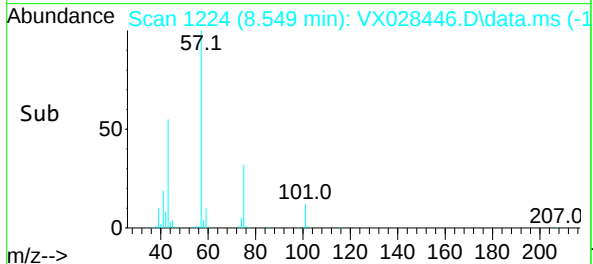
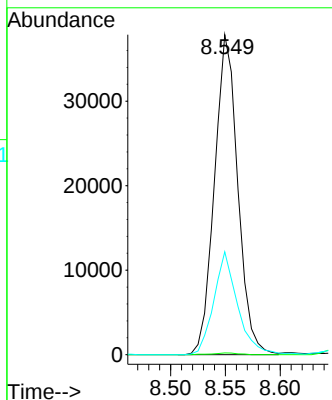
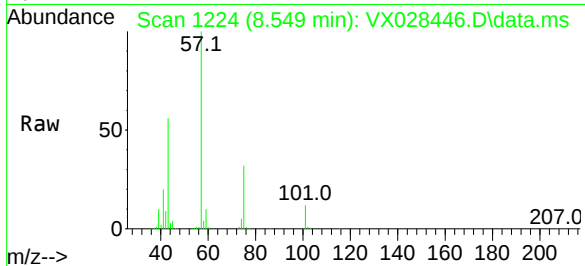




#54
 cis-1,3-Dichloropropene
 Concen: 7.204 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028446.D
 Acq: 30 Apr 2022 00:44

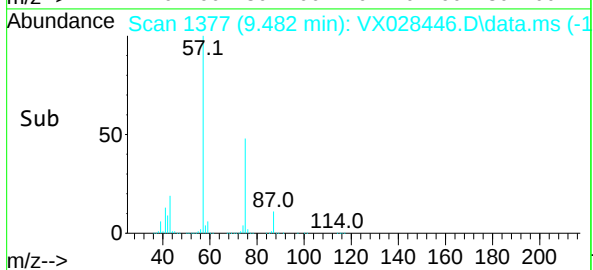
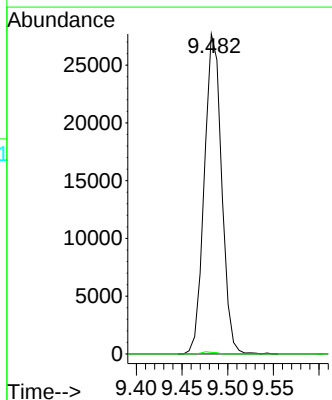
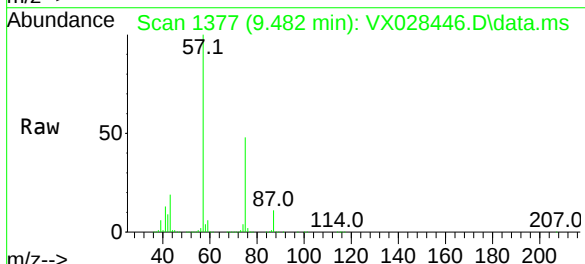
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#01

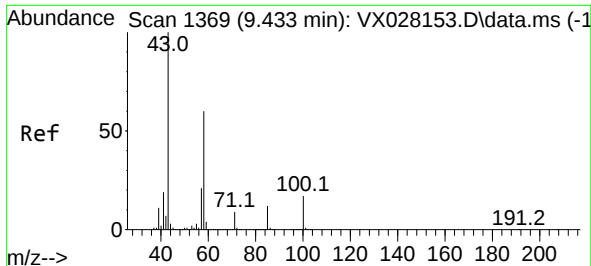
Tgt Ion: 75 Resp: 56086
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.8 37.2#
 39 32.2 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.318 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028446.D
 Acq: 30 Apr 2022 00:44

Tgt Ion: 76 Resp: 36368
 Ion Ratio Lower Upper
 76 100
 78 0.5 25.8 38.8#

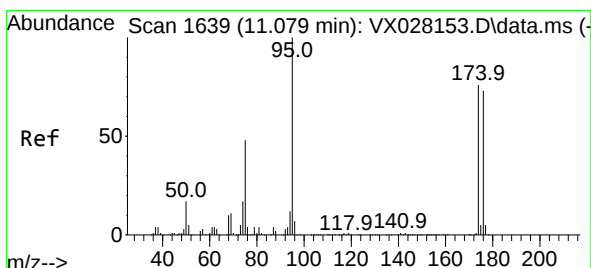
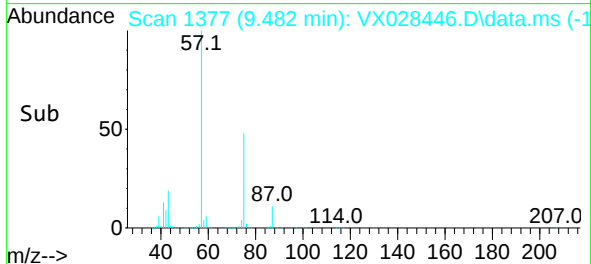
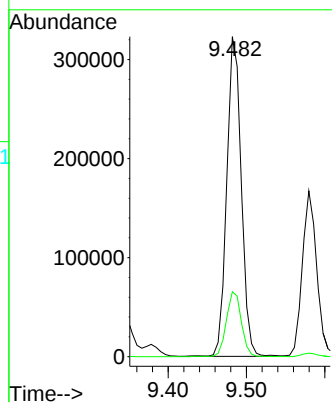
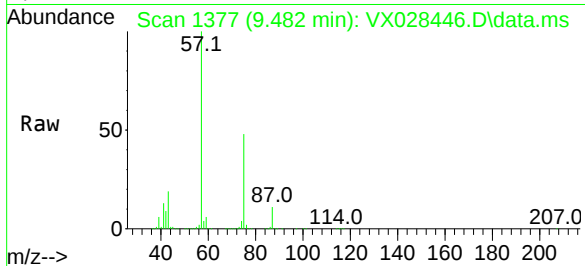




#59
2-Hexanone
Concen: 80.174 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

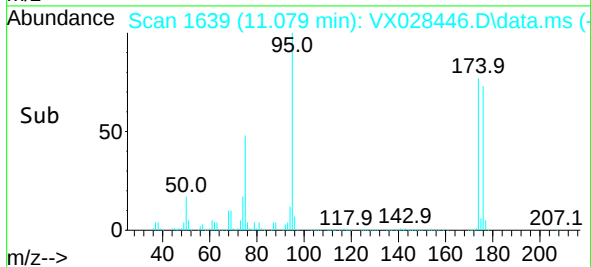
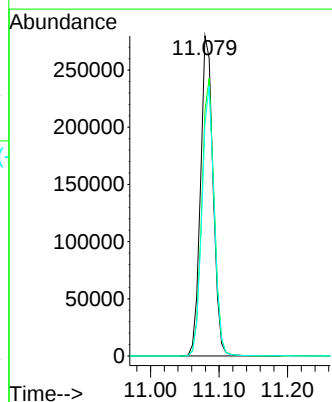
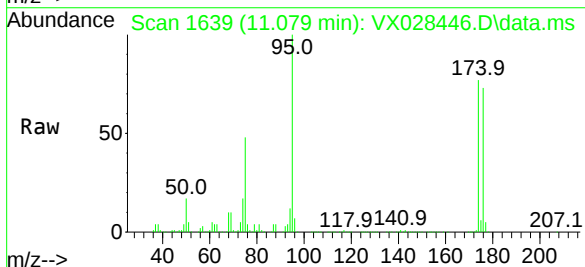
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#01

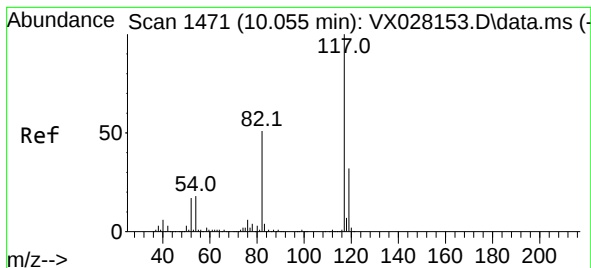
Tgt Ion: 43 Resp: 415599
Ion Ratio Lower Upper
43 100
58 21.1 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 50.133 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Tgt Ion: 95 Resp: 356421
Ion Ratio Lower Upper
95 100
174 86.1 0.0 163.0
176 82.8 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: VX028446.D

Acq: 30 Apr 2022 00:44

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#01

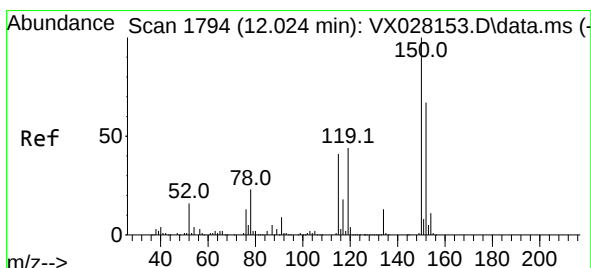
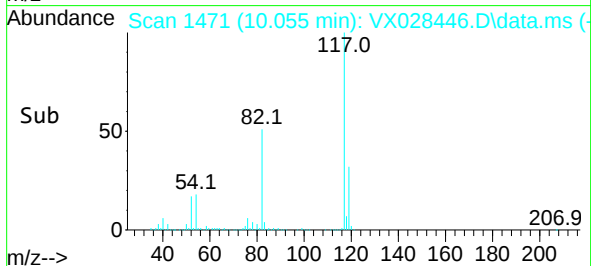
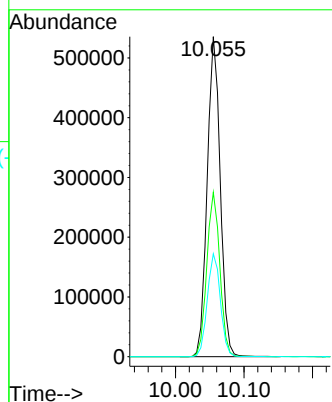
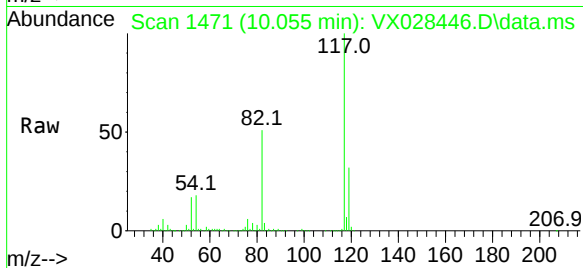
Tgt Ion:117 Resp: 710814

Ion Ratio Lower Upper

117 100

82 51.3 41.8 62.8

119 32.1 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028446.D

Acq: 30 Apr 2022 00:44

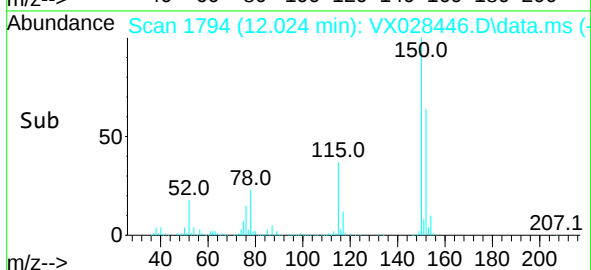
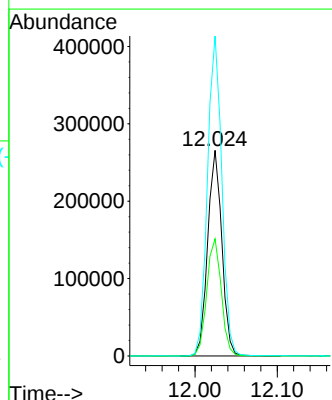
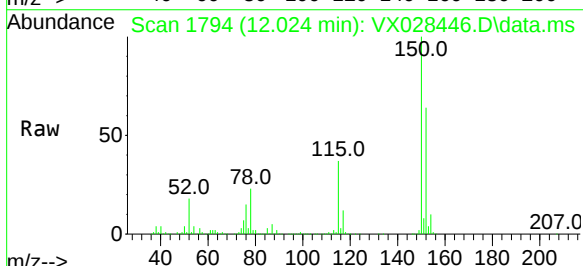
Tgt Ion:152 Resp: 318308

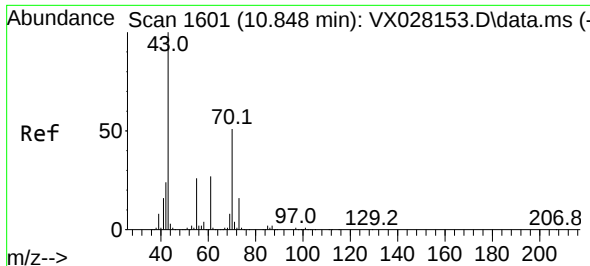
Ion Ratio Lower Upper

152 100

115 58.3 37.5 112.7

150 157.2 0.0 338.2

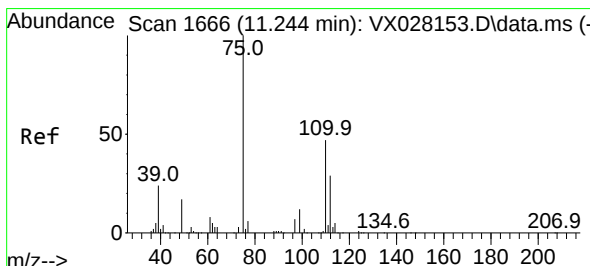
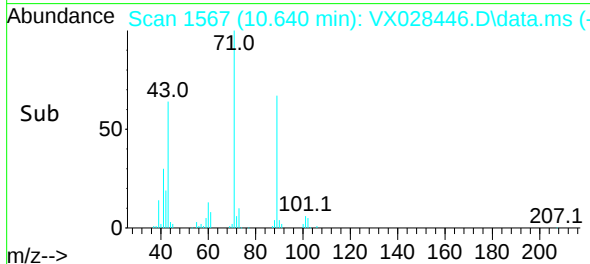
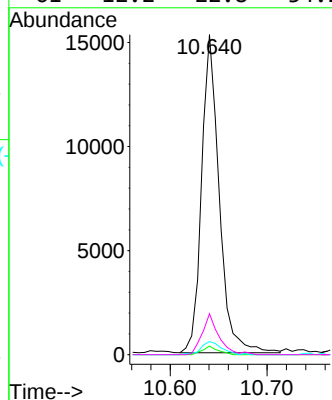
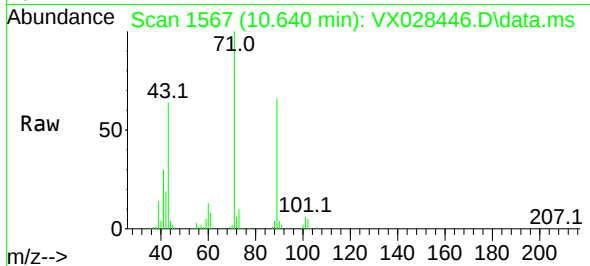




#74
N-amy1 acetate
Concen: 2.568 ug/l
RT: 10.640 min Scan# 1639
Delta R.T. -0.208 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

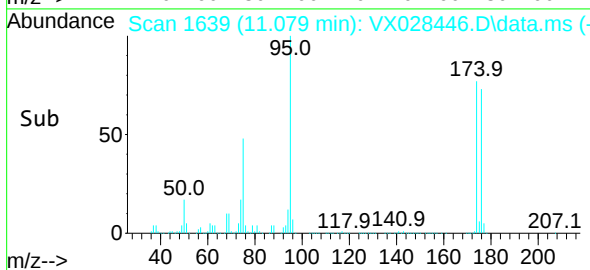
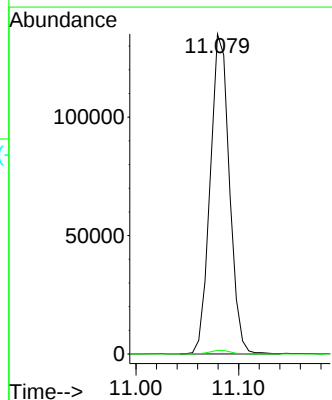
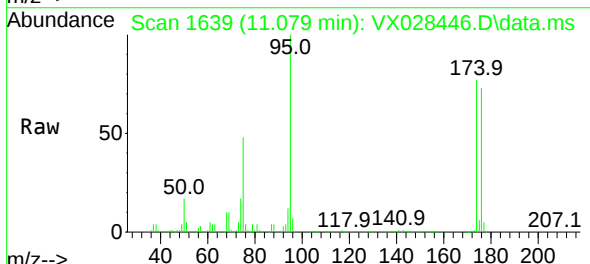
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#01

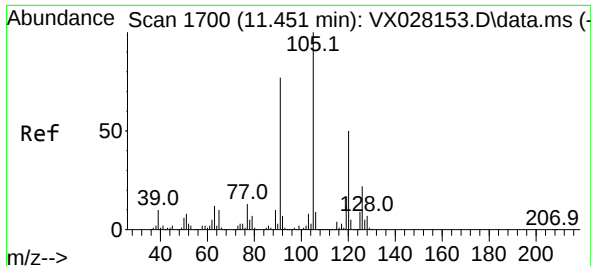
Tgt Ion: 43	Resp: 19419
Ion Ratio	Lower Upper
43 100	
70 2.4	42.5 63.7#
55 4.8	23.1 34.7#
61 12.2	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 27.983 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028446.D
Acq: 30 Apr 2022 00:44

Tgt Ion: 75	Resp: 175301
Ion Ratio	Lower Upper
75 100	
77 1.3	19.4 58.2#

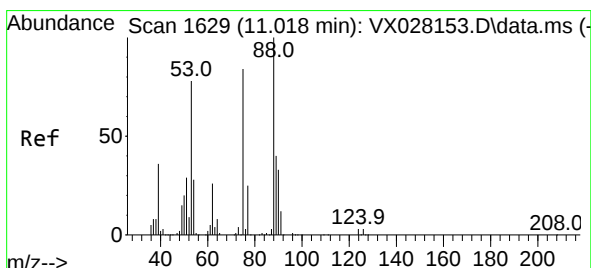
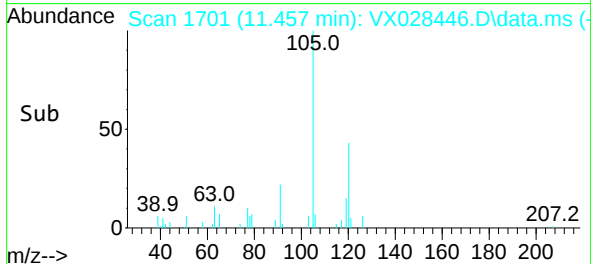
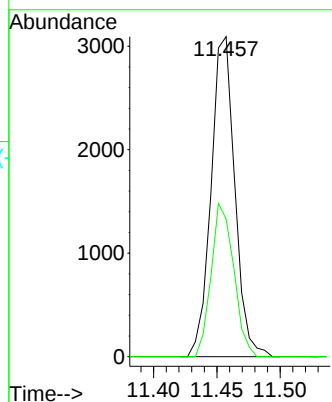
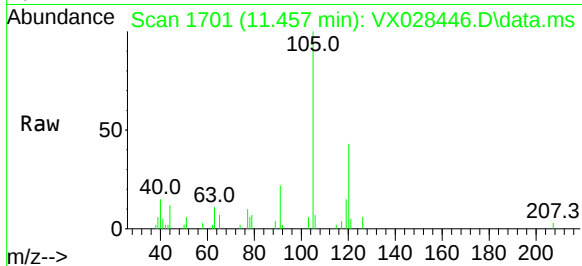




#80
 1,3,5-Trimethylbenzene
 Concen: 0.217 ug/l
 RT: 11.457 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX028446.D
 Acq: 30 Apr 2022 00:44

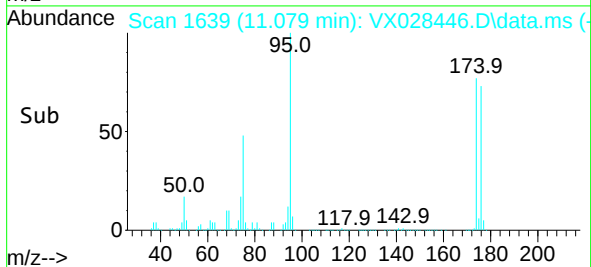
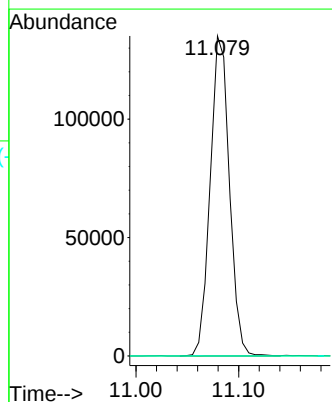
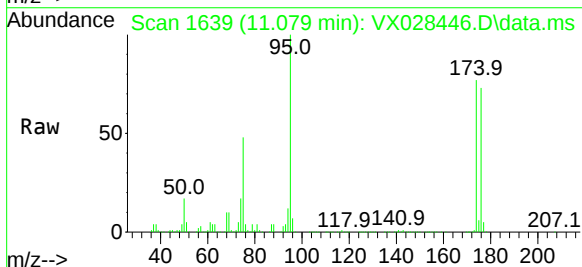
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#01

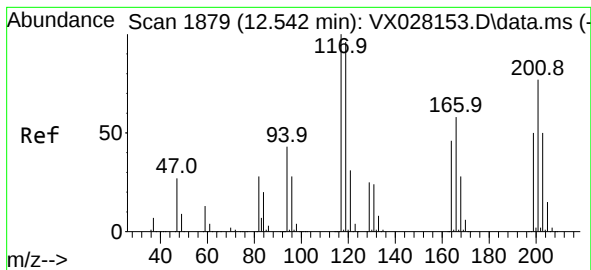
Tgt Ion:105 Resp: 4036
 Ion Ratio Lower Upper
 105 100
 120 45.3 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 83.159 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX028446.D
 Acq: 30 Apr 2022 00:44

Tgt Ion: 75 Resp: 175301
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#





#90

Hexachloroethane

Concen: 1.825 ug/l

RT: 12.542 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX028446.D

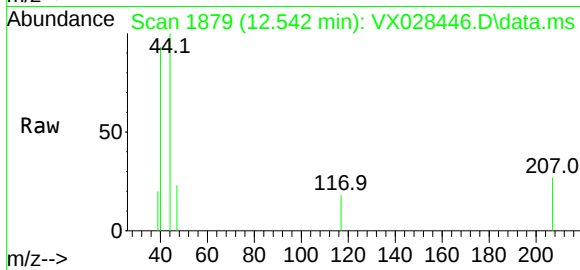
Acq: 30 Apr 2022 00:44

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#01



Tgt Ion:117 Resp: 42

Ion	Ratio	Lower	Upper
117	100		
201	0.0	39.5	118.5#

