

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042922\
 Data File : VX028447.D
 Acq On : 30 Apr 2022 01:07
 Operator : JC/MD
 Sample : PB144452ZHE#02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#02

Quant Time: Apr 30 09:21:40 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)

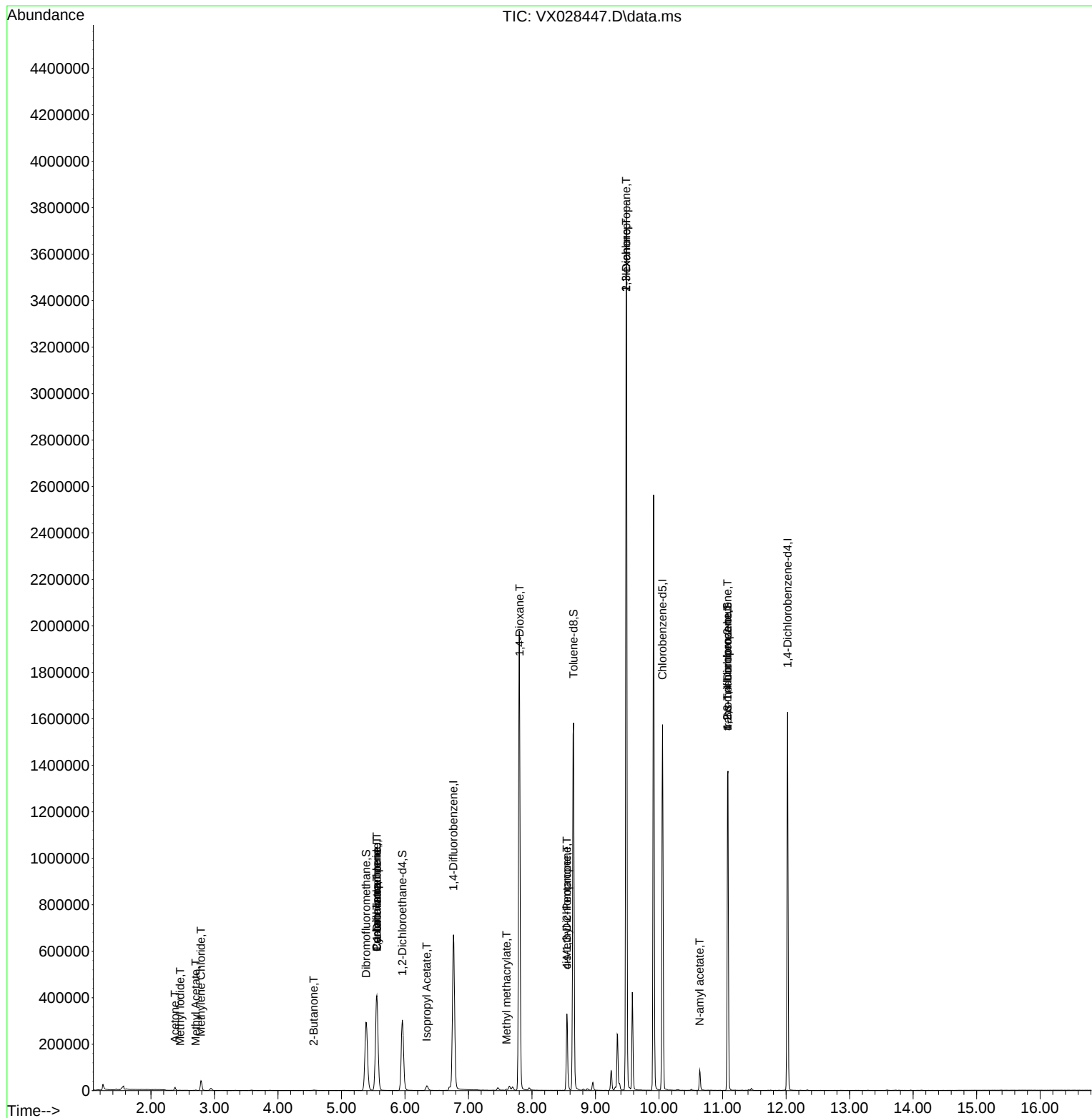
Internal Standards						
1) Pentafluorobenzene	5.556	168	394622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	703362	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	726936	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	335897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	285033	55.396	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 110.800%			
35) Dibromofluoromethane	5.385	113	257332	52.169	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.340%			
50) Toluene-d8	8.653	98	978615	51.655	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.300%			
62) 4-Bromofluorobenzene	11.079	95	364531	50.323	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.640%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	353	Below Cal	#	75
5) Bromomethane	1.611	94	1290	Below Cal	#	80
6) Chloroethane	1.617	64	208	Below Cal	#	58
8) Diethyl Ether	2.130	74	81	Below Cal	#	1
10) Methyl Iodide	2.459	142	1119	5.464	ug/l #	94
11) Tert butyl alcohol	2.940	59	5249	Below Cal	#	73
16) Acetone	2.380	43	13603	7.300	ug/l	88
18) Methyl Acetate	2.703	43	2714	0.593	ug/l #	87
20) Methylene Chloride	2.788	84	19647	5.146	ug/l	96
25) 2-Butanone	4.562	43	949	0.311	ug/l #	84
31) Cyclohexane	5.556	56	7892	1.259	ug/l #	14
36) 1,1-Dichloropropene	5.556	75	29942	4.654	ug/l #	49
38) Carbon Tetrachloride	5.556	117	40648	5.596	ug/l #	15
43) Isopropyl Acetate	6.342	43	27260	2.566	ug/l	98
48) Methyl methacrylate	7.598	41	7342	1.505	ug/l #	7
49) 1,4-Dioxane	7.805	88	383	2.935	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	104817	15.373	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	56286	7.096	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	36910	4.301	ug/l #	43
59) 2-Hexanone	9.482	43	415523	78.672	ug/l #	45
74) N-amyl acetate	10.640	43	19264	2.414	ug/l #	46
76) 1,2,3-Trichloropropane	11.079	75	180565	27.314	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	180565	81.170	ug/l #	15

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

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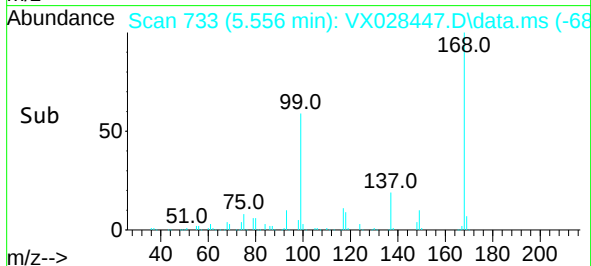
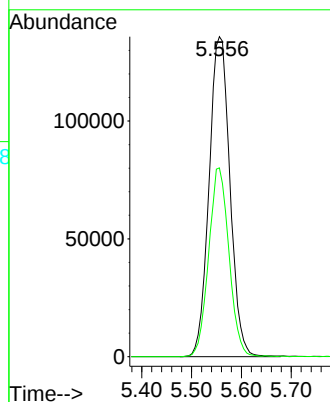
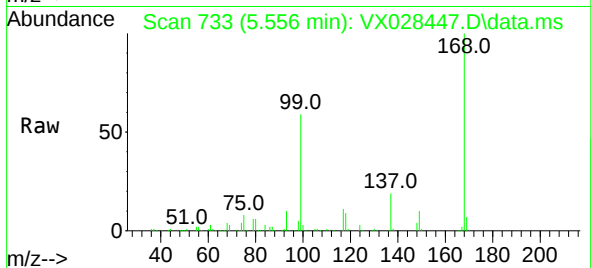




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

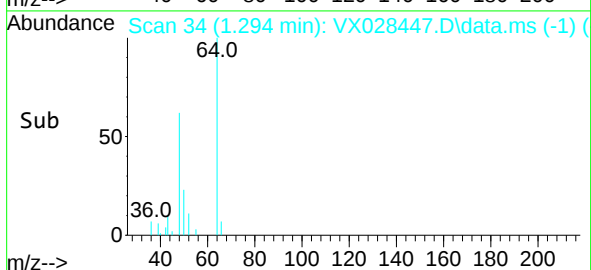
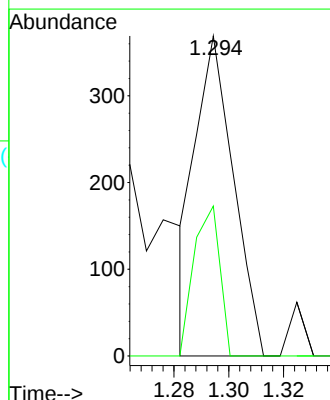
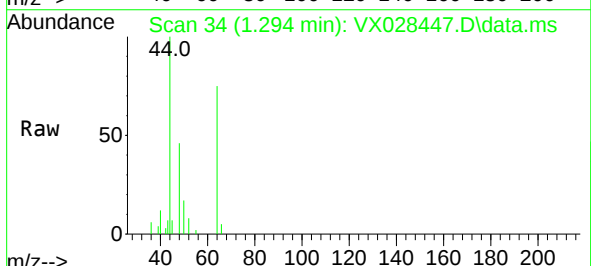
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#02

Tgt Ion:168 Resp: 394622
Ion Ratio Lower Upper
168 100
99 59.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Tgt Ion: 50 Resp: 353
Ion Ratio Lower Upper
50 100
52 46.9 26.4 39.6#

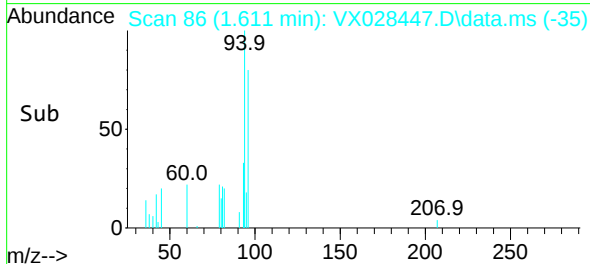
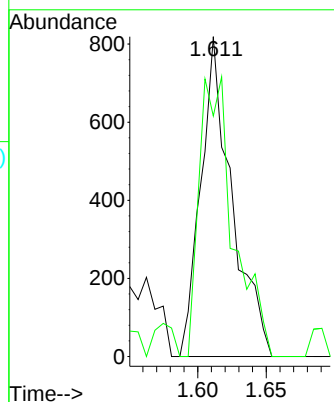
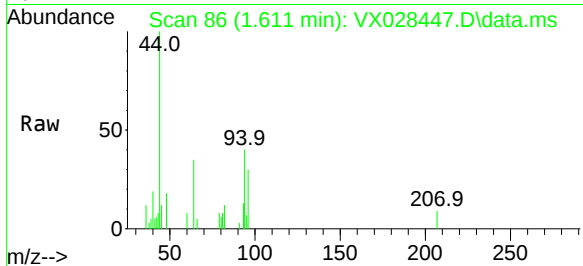




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

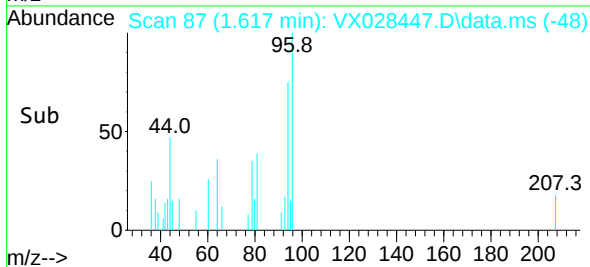
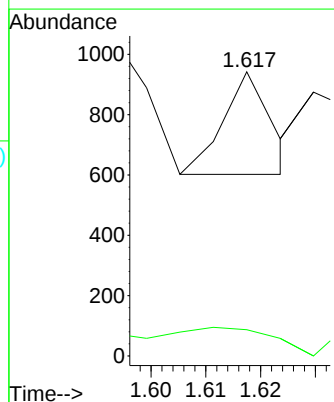
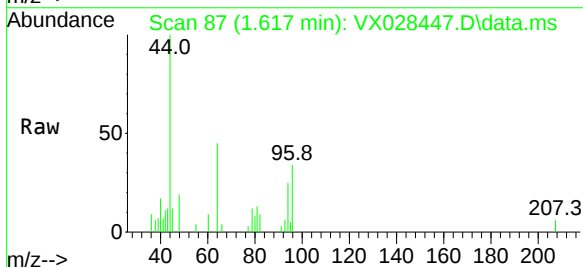
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#02

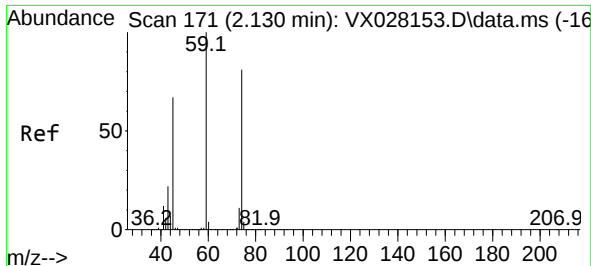
Tgt Ion: 94 Resp: 1290
Ion Ratio Lower Upper
94 100
96 75.2 75.3 112.9#



#6
Chloroethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. -0.061 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

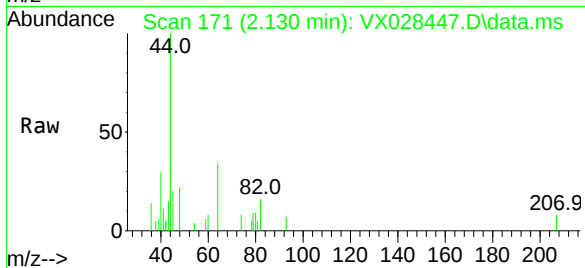
Tgt Ion: 64 Resp: 208
Ion Ratio Lower Upper
64 100
66 8.5 25.3 37.9#



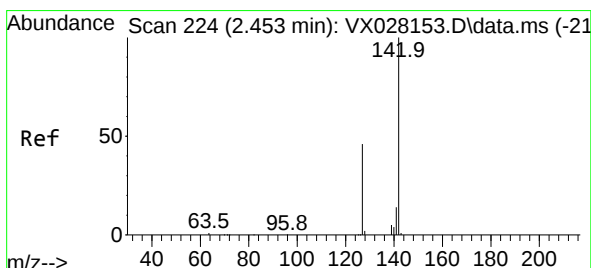
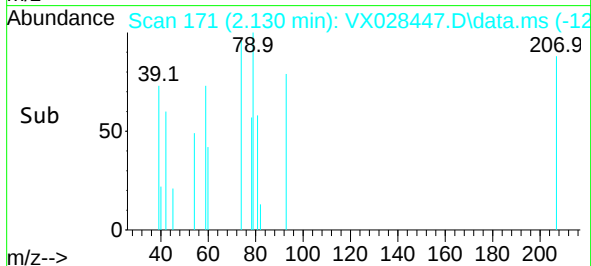
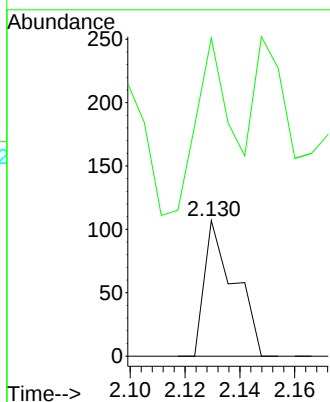


#8
Diethyl Ether
Concen: Below Cal
RT: 2.130 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#02

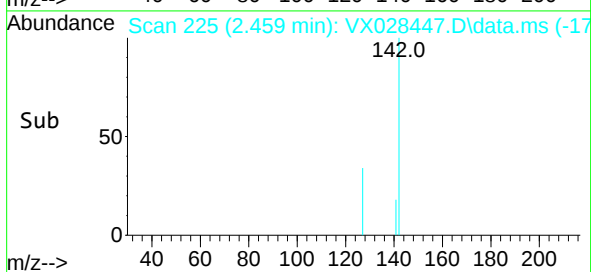
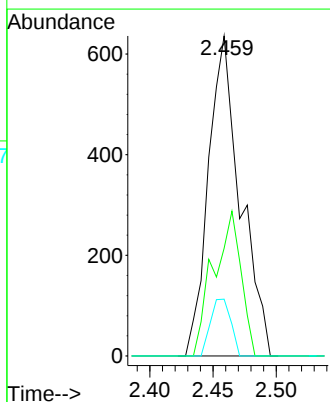
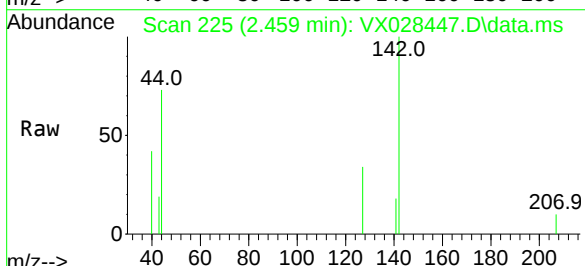


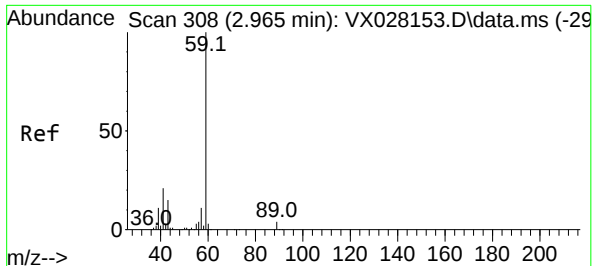
Tgt Ion: 74 Resp: 81
Ion Ratio Lower Upper
74 100
45 286.4 42.0 126.0#



#10
Methyl Iodide
Concen: 5.464 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Tgt Ion:142 Resp: 1119
Ion Ratio Lower Upper
142 100
127 38.9 33.9 50.9
141 11.2 11.4 17.2#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.940 min Scan# 304

Delta R.T. -0.025 min

Lab File: VX028447.D

Acq: 30 Apr 2022 01:07

Instrument :

MSVOA_X

ClientSampleId :

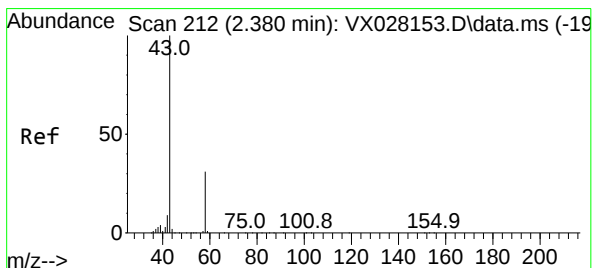
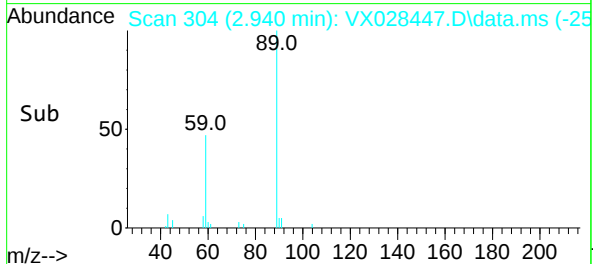
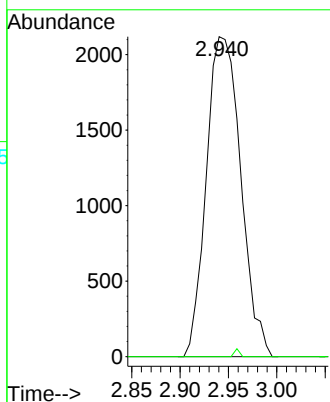
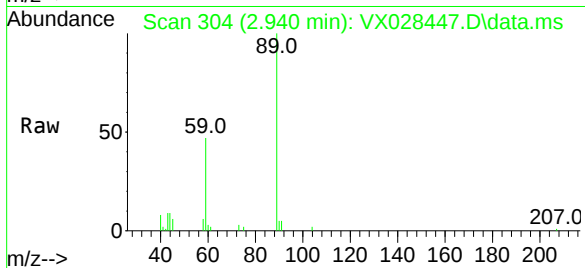
PB144452ZHE#02

Tgt Ion: 59 Resp: 5249

Ion Ratio Lower Upper

59 100

57 0.4 8.3 12.5#



#16

Acetone

Concen: 7.300 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028447.D

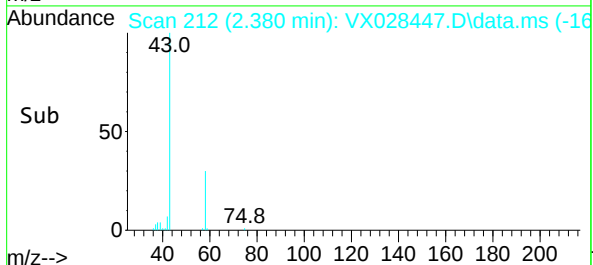
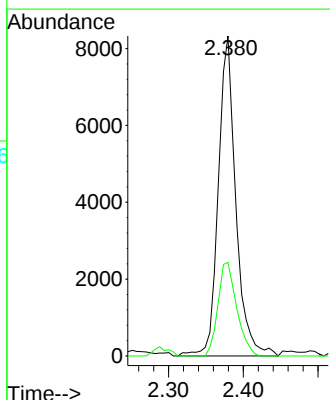
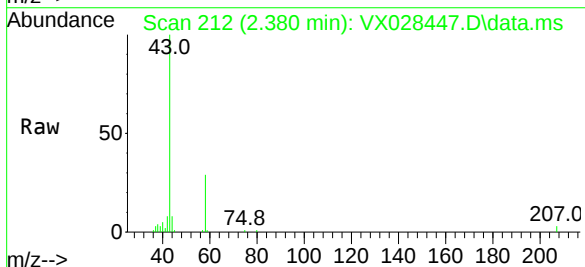
Acq: 30 Apr 2022 01:07

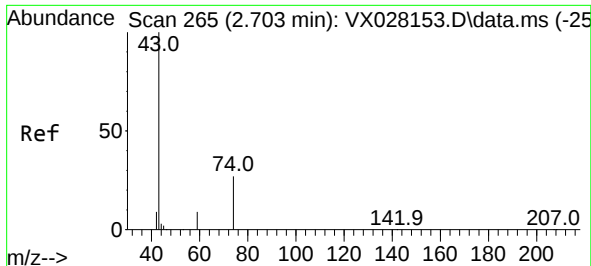
Tgt Ion: 43 Resp: 13603

Ion Ratio Lower Upper

43 100

58 29.2 28.8 43.2

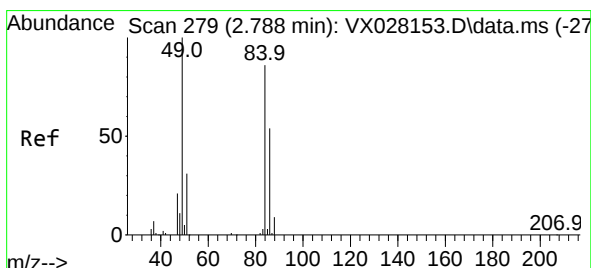
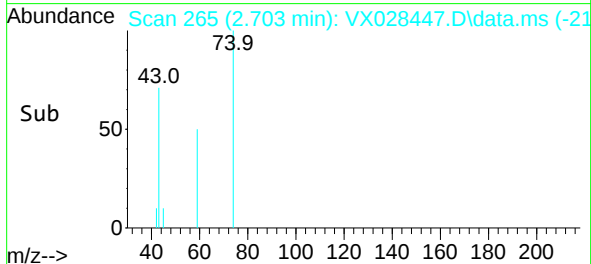
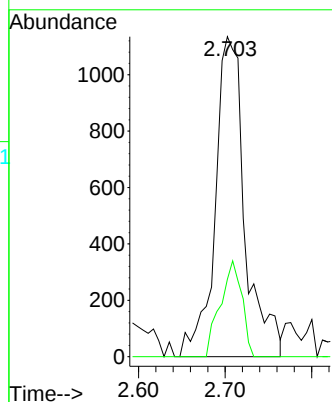
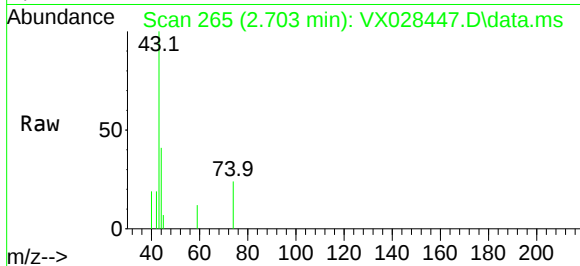




#18
Methyl Acetate
Concen: 0.593 ug/l
RT: 2.703 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

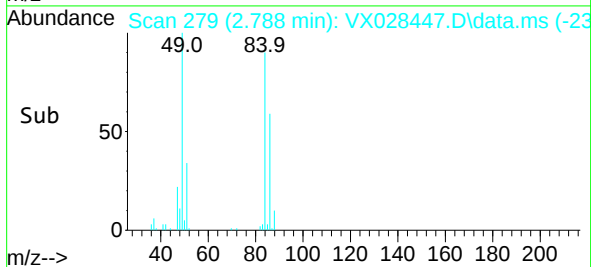
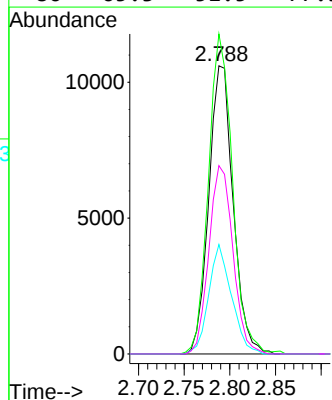
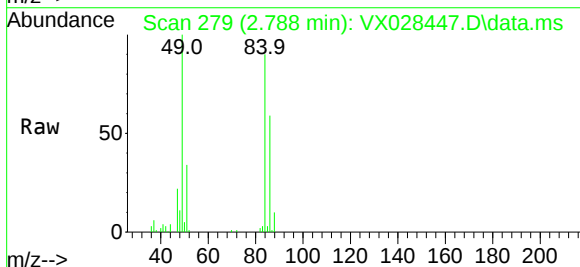
Instrument :
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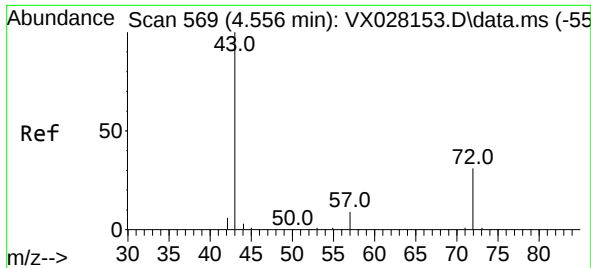
Tgt Ion: 43 Resp: 2714
Ion Ratio Lower Upper
43 100
74 21.6 22.8 34.2#



#20
Methylene Chloride
Concen: 5.146 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Tgt Ion: 84 Resp: 19647
Ion Ratio Lower Upper
84 100
49 111.0 85.5 128.3
51 38.0 26.6 39.8
86 65.3 51.5 77.3

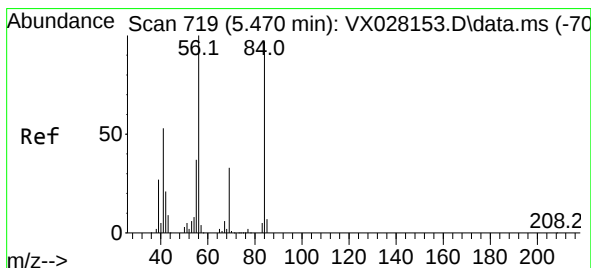
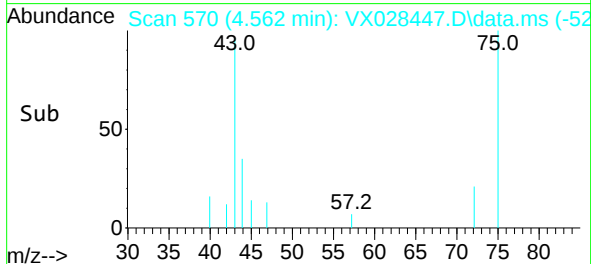
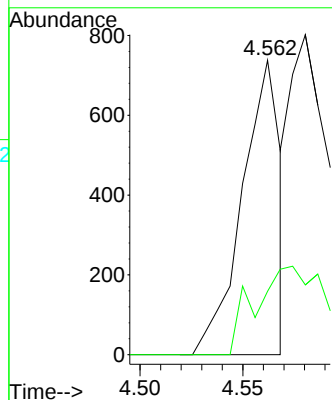
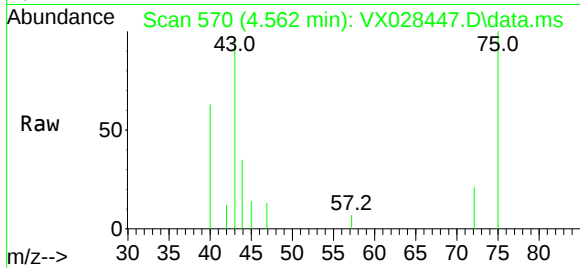




#25
2-Butanone
Concen: 0.311 ug/l
RT: 4.562 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

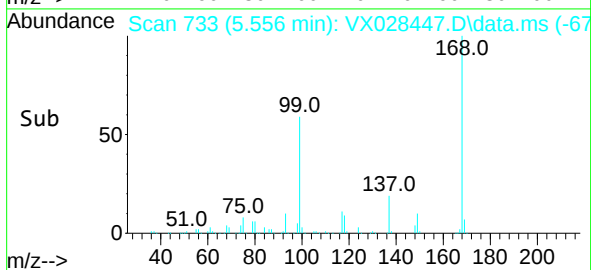
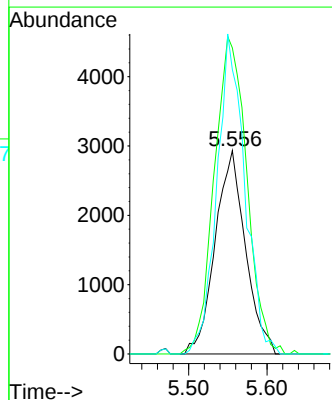
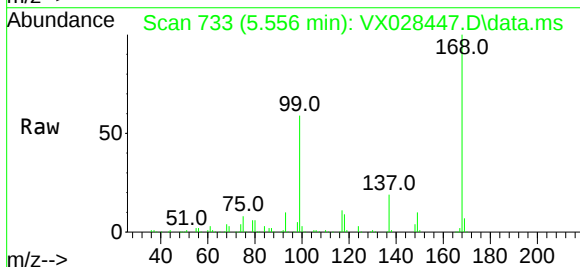
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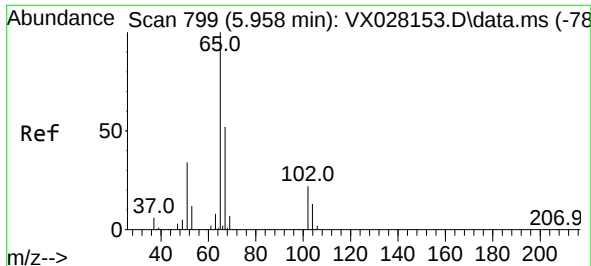
Tgt Ion: 43 Resp: 949
Ion Ratio Lower Upper
43 100
72 21.5 24.4 36.6#



#31
Cyclohexane
Concen: 1.259 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Tgt Ion: 56 Resp: 7892
Ion Ratio Lower Upper
56 100
69 150.5 26.7 40.1#
84 139.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 55.396 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028447.D

Acq: 30 Apr 2022 01:07

Instrument :

MSVOA_X

ClientSampleId :

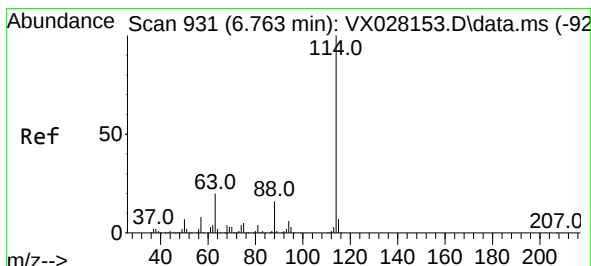
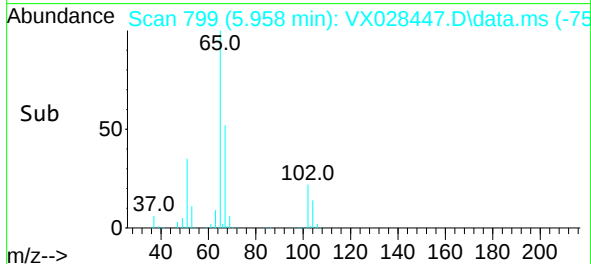
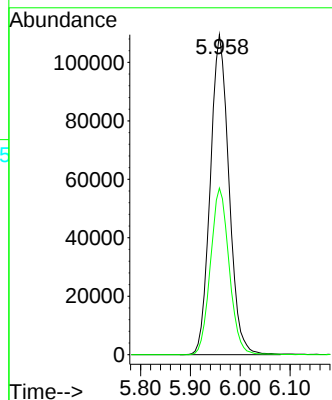
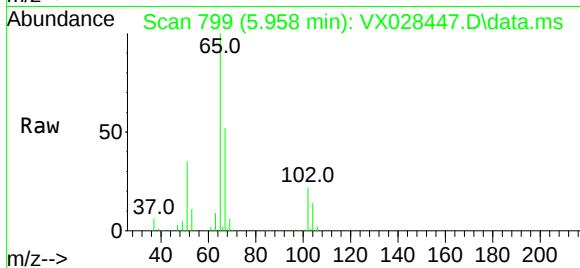
PB144452ZHE#02

Tgt Ion: 65 Resp: 285033

Ion Ratio Lower Upper

65 100

67 52.1 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: VX028447.D

Acq: 30 Apr 2022 01:07

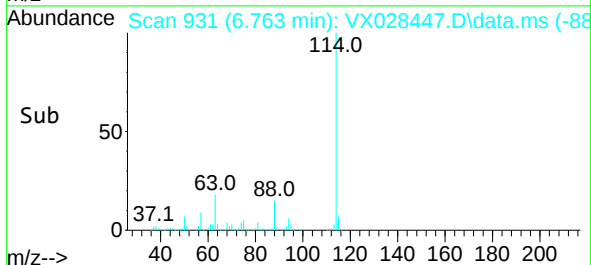
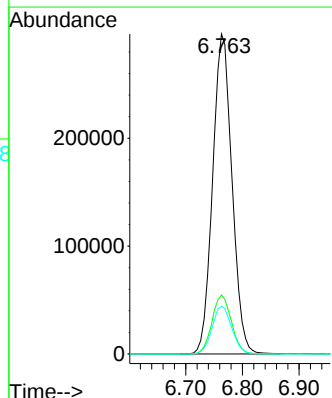
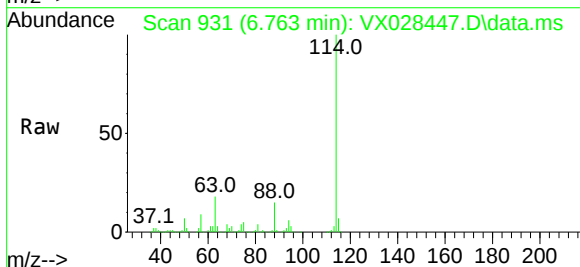
Tgt Ion: 114 Resp: 703362

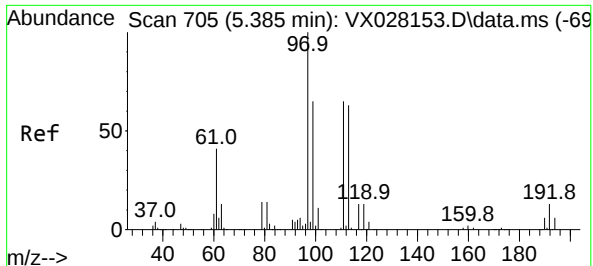
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

88 14.9 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.169 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX028447.D

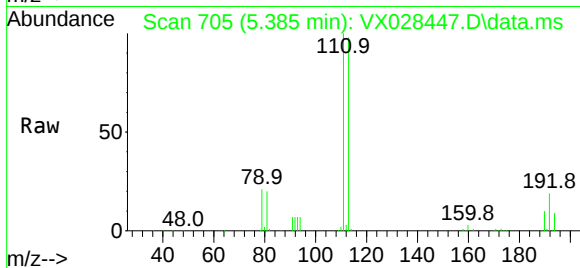
Acq: 30 Apr 2022 01:07

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#02



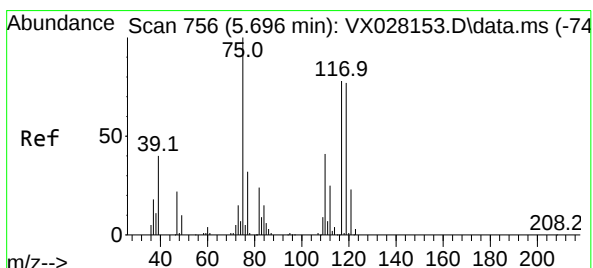
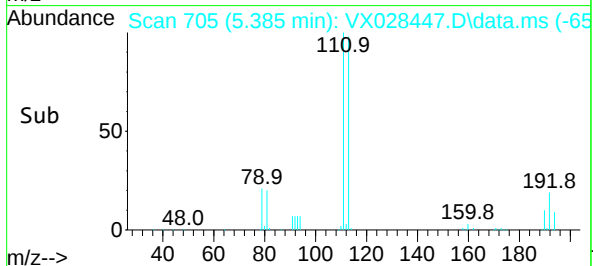
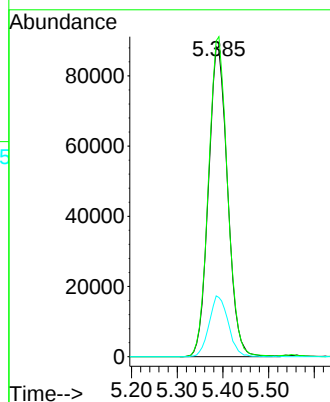
Tgt Ion:113 Resp: 257332

Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 19.6 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.654 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX028447.D

Acq: 30 Apr 2022 01:07

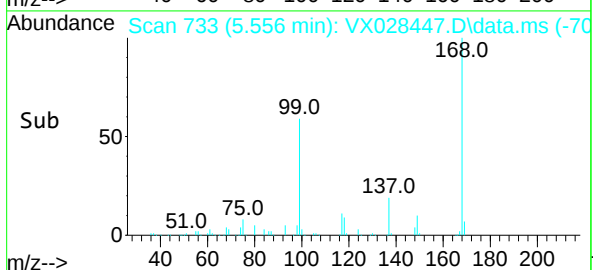
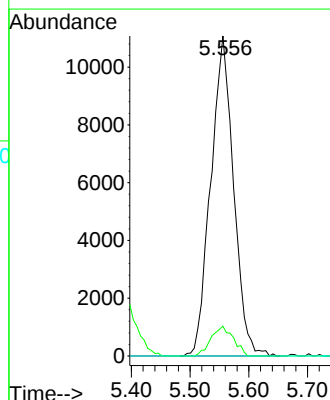
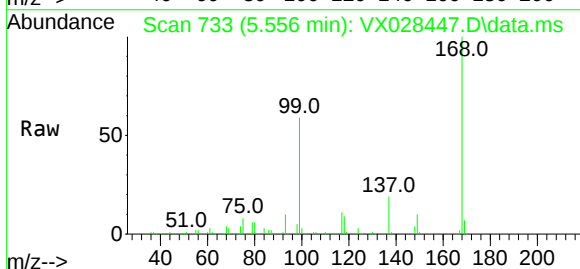
Tgt Ion: 75 Resp: 29942

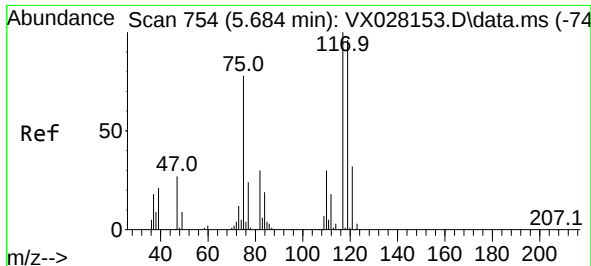
Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

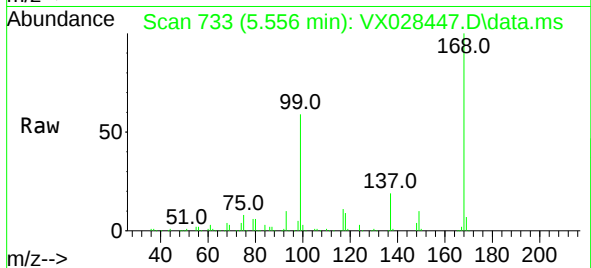
77 0.0 24.8 37.2#



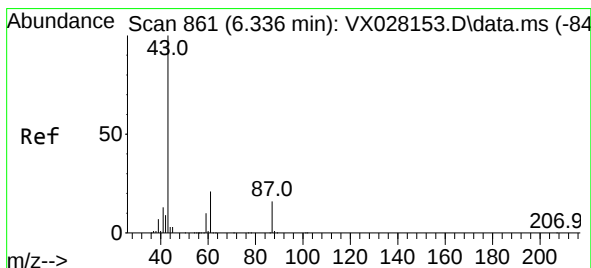
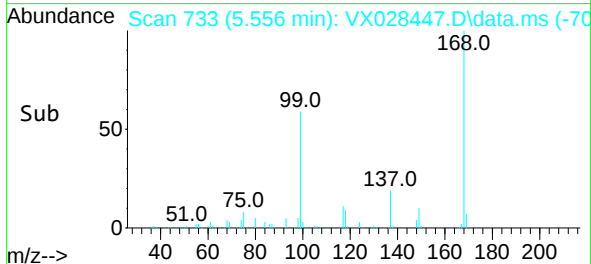
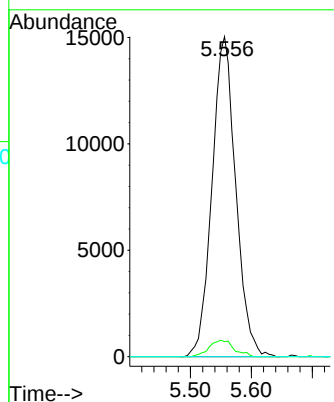


#38
Carbon Tetrachloride
Concen: 5.596 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#02

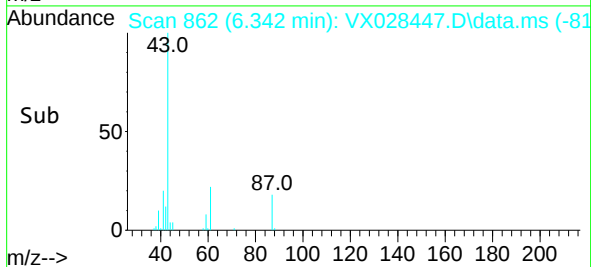
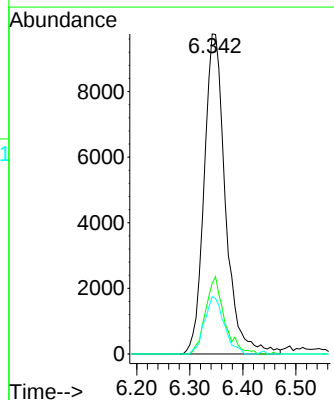
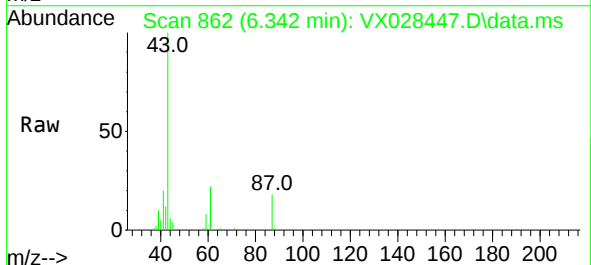


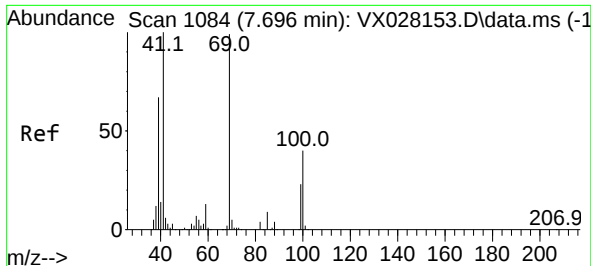
Tgt Ion:117 Resp: 40648
Ion Ratio Lower Upper
117 100
119 4.7 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 2.566 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Tgt Ion: 43 Resp: 27260
Ion Ratio Lower Upper
43 100
61 21.3 18.5 27.7
87 16.5 13.0 19.6

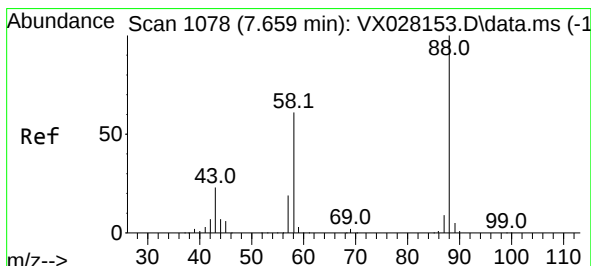
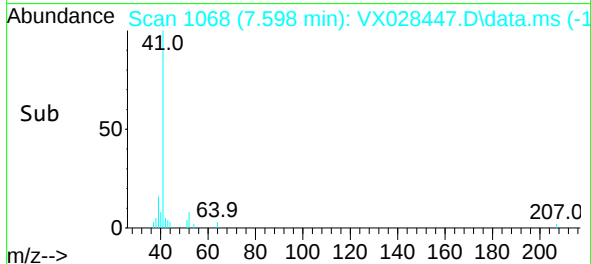
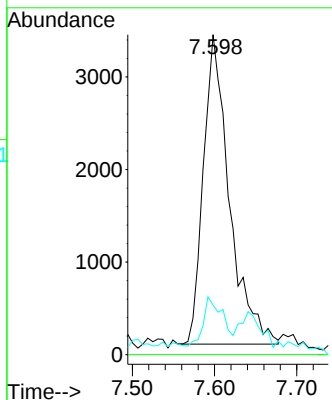
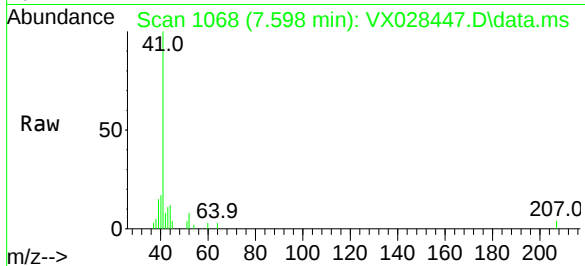




#48
Methyl methacrylate
Concen: 1.505 ug/l
RT: 7.598 min Scan# 1102
Delta R.T. -0.098 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

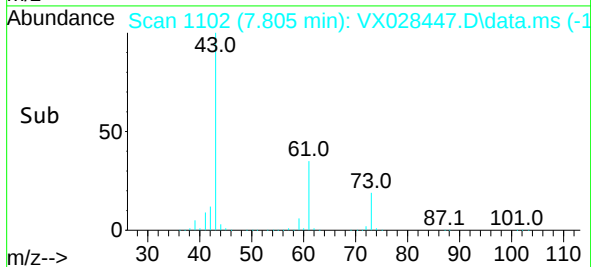
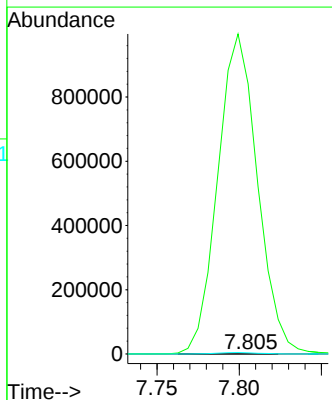
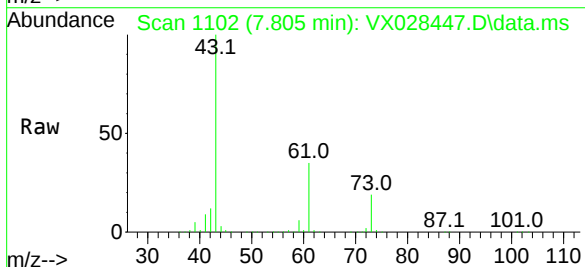
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#02

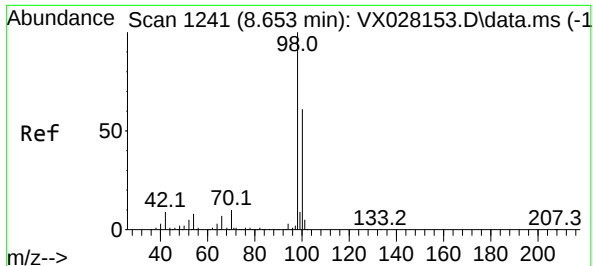
Tgt Ion: 41 Resp: 7342
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.935 ug/l
RT: 7.805 min Scan# 1102
Delta R.T. 0.146 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Tgt Ion: 88 Resp: 383
Ion Ratio Lower Upper
88 100
43 440281.2 21.9 32.9#
58 2121.1 53.7 80.5#

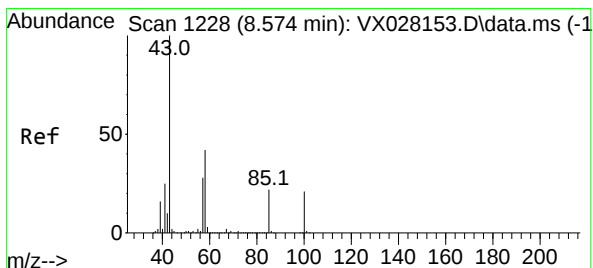
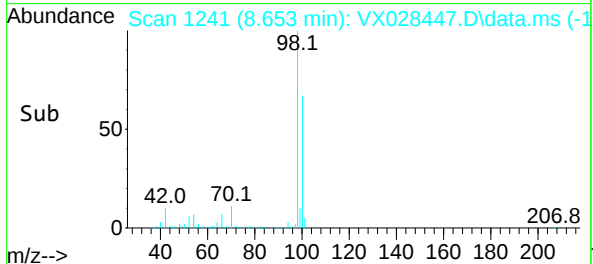
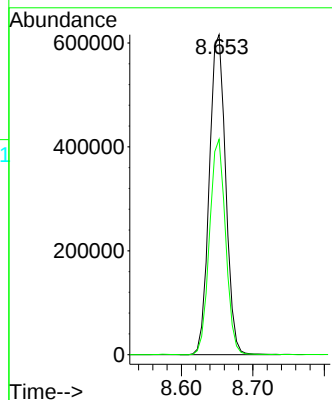
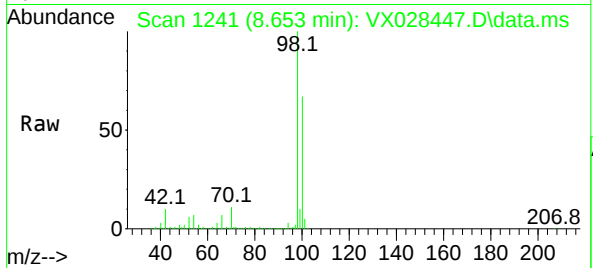




#50
Toluene-d8
Concen: 51.655 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

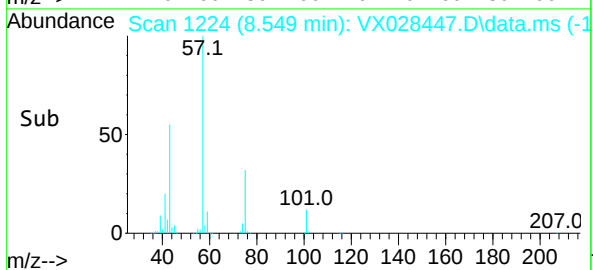
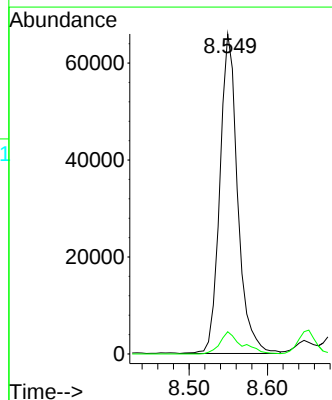
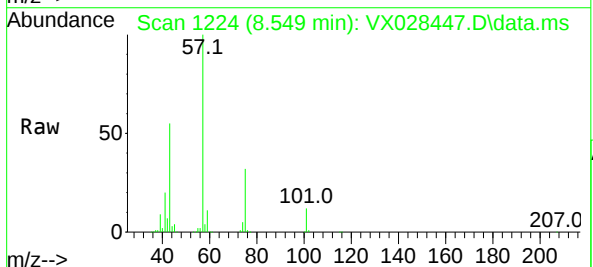
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#02

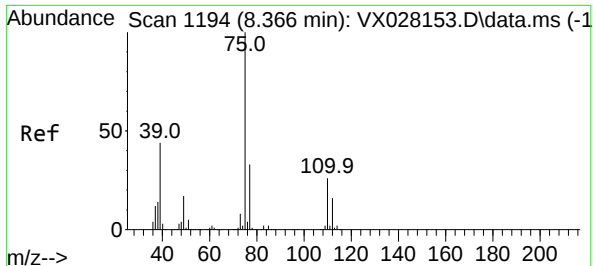
Tgt Ion: 98 Resp: 978615
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 15.373 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Tgt Ion: 43 Resp: 104817
Ion Ratio Lower Upper
43 100
58 8.5 36.1 54.1#

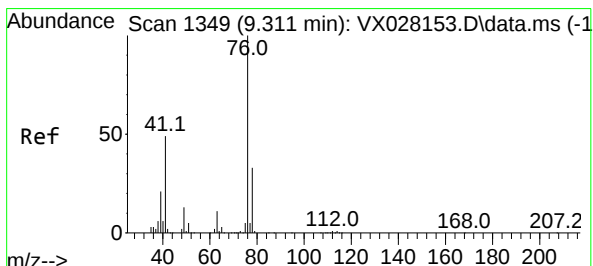
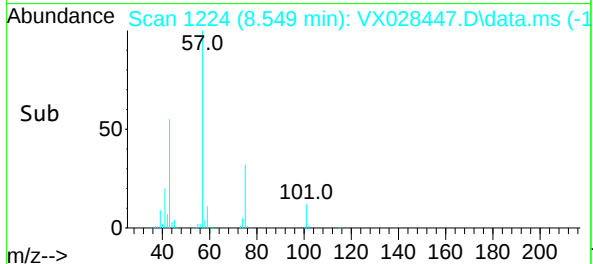
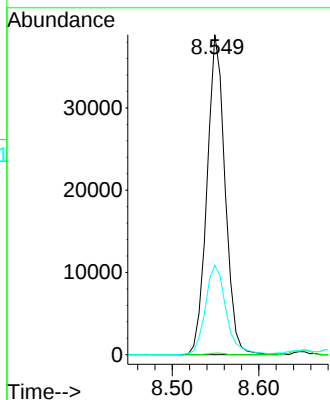
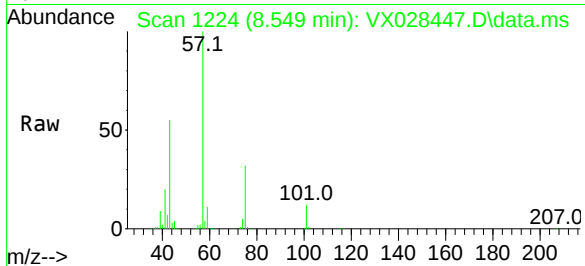




#54
 cis-1,3-Dichloropropene
 Concen: 7.096 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028447.D
 Acq: 30 Apr 2022 01:07

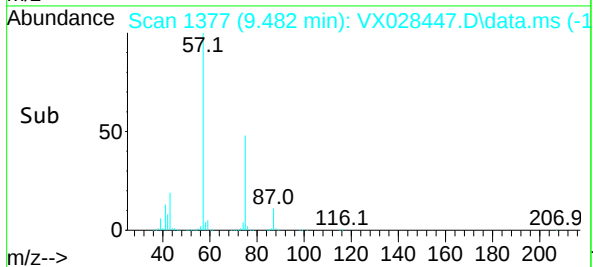
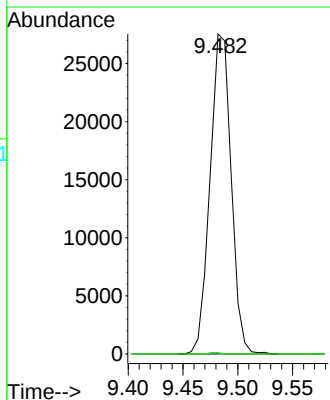
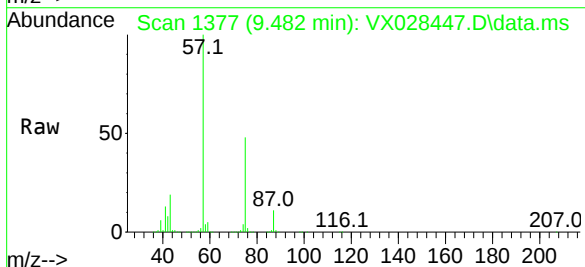
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#02

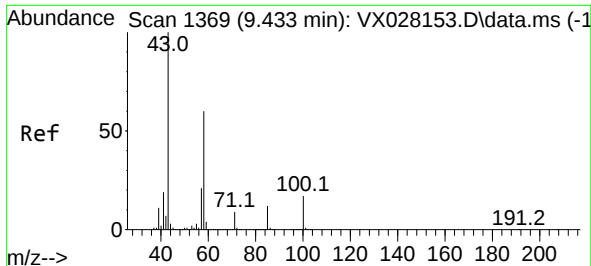
Tgt Ion: 75 Resp: 56286
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.8 37.2#
 39 28.0 29.6 44.4#



#57
 1,3-Dichloropropane
 Concen: 4.301 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028447.D
 Acq: 30 Apr 2022 01:07

Tgt Ion: 76 Resp: 36910
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.8 38.8#

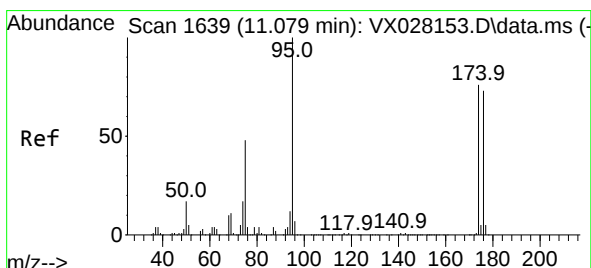
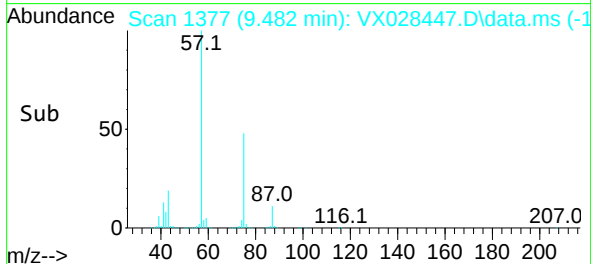
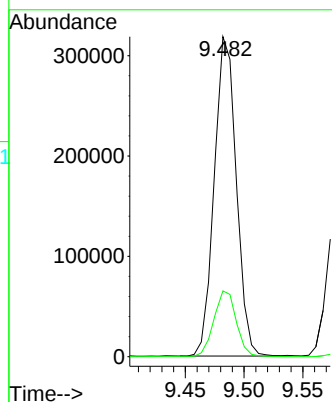
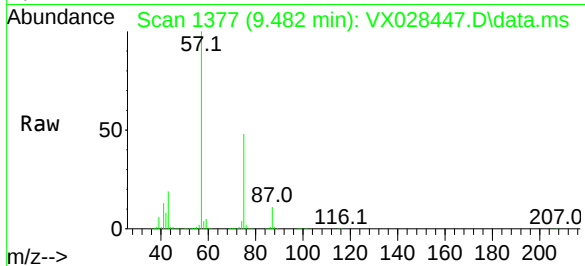




#59
2-Hexanone
Concen: 78.672 ug/l
RT: 9.482 min Scan# 11
Delta R.T. 0.049 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

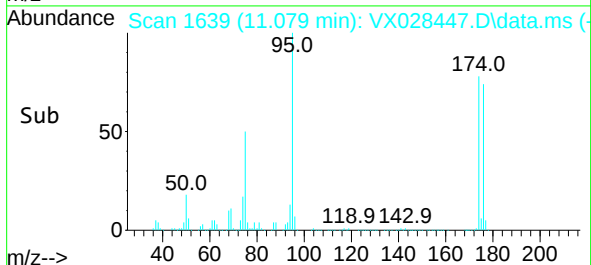
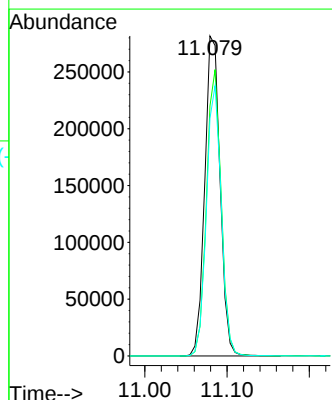
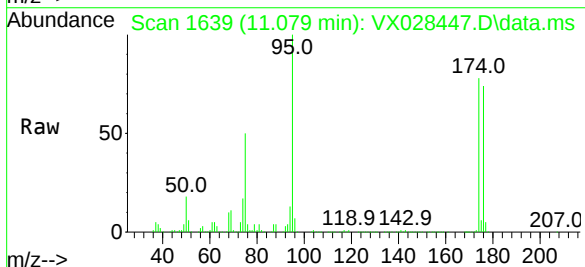
Instrument :
MSVOA_X
ClientSampleId :
PB144452ZHE#02

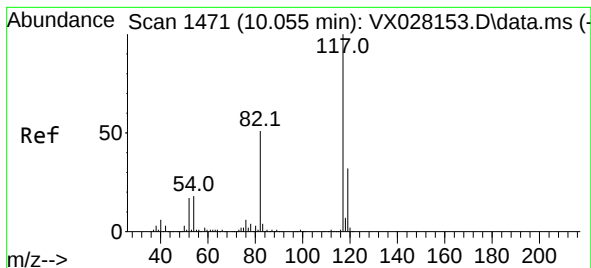
Tgt Ion: 43 Resp: 415523
Ion Ratio Lower Upper
43 100
58 21.2 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 50.323 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028447.D
Acq: 30 Apr 2022 01:07

Tgt Ion: 95 Resp: 364531
Ion Ratio Lower Upper
95 100
174 85.8 0.0 163.0
176 82.1 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: VX028447.D

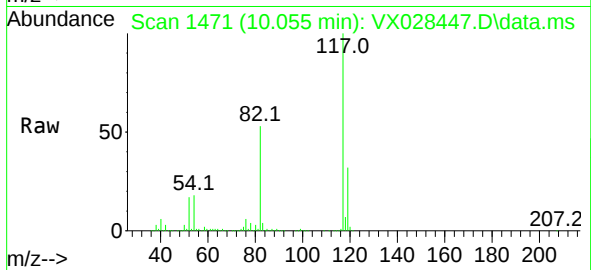
Acq: 30 Apr 2022 01:07

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#02



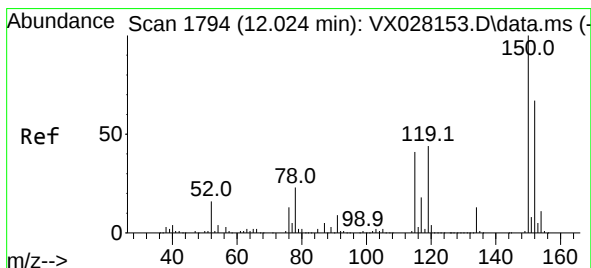
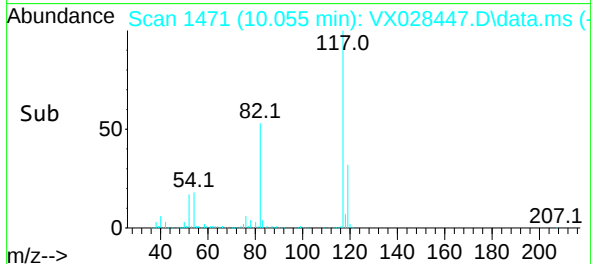
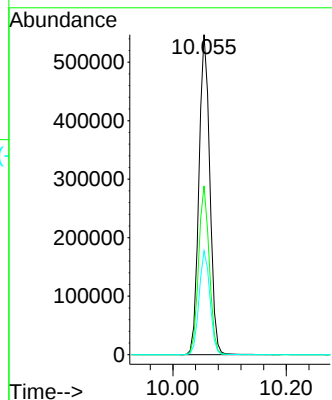
Tgt Ion:117 Resp: 726936

Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.8

119 32.5 24.8 37.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX028447.D

Acq: 30 Apr 2022 01:07

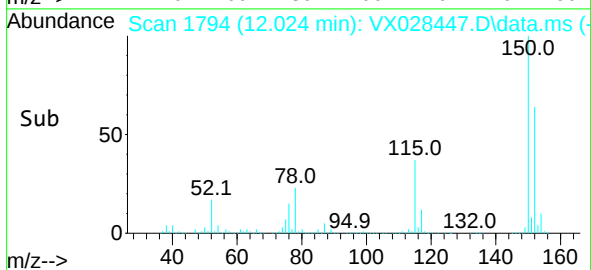
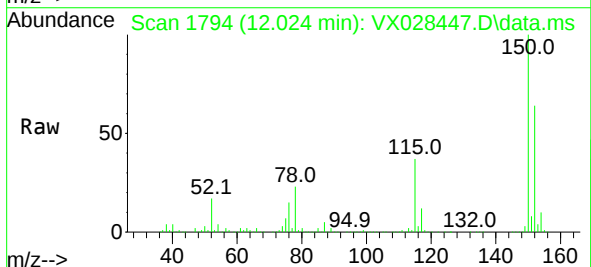
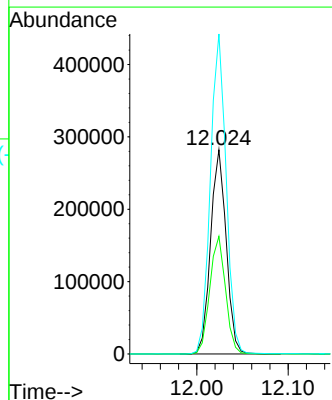
Tgt Ion:152 Resp: 335897

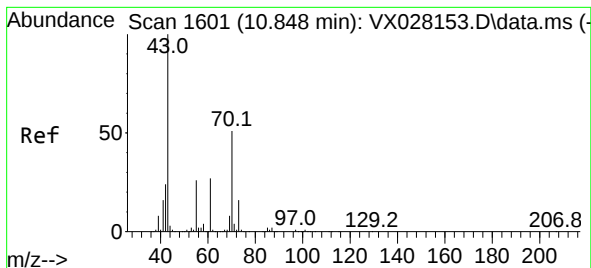
Ion Ratio Lower Upper

152 100

115 58.0 37.5 112.7

150 157.6 0.0 338.2





#74

N-amy1 acetate

Concen: 2.414 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.208 min

Lab File: VX028447.D

Acq: 30 Apr 2022 01:07

Instrument :

MSVOA_X

ClientSampleId :

PB144452ZHE#02

Tgt Ion: 43 Resp: 19264

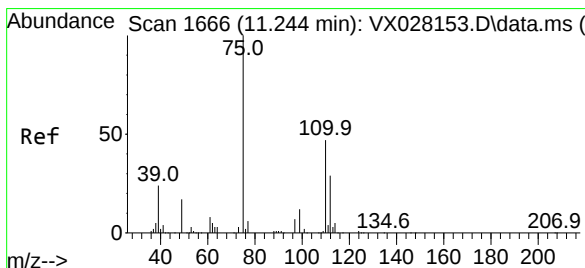
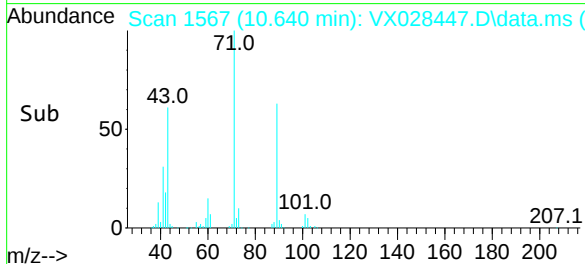
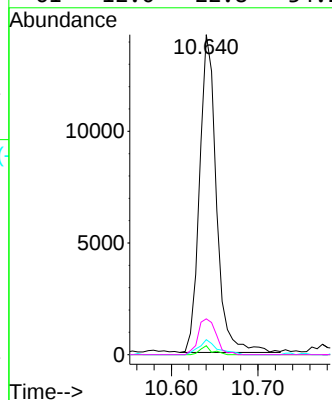
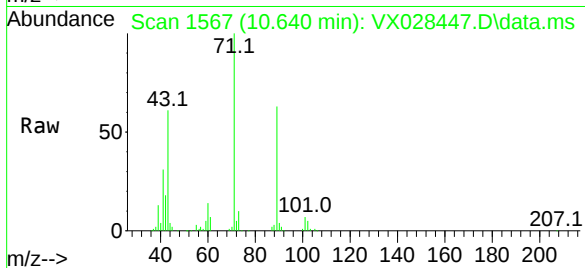
Ion Ratio Lower Upper

43 100

70 2.0 42.5 63.7#

55 5.2 23.1 34.7#

61 12.0 22.8 34.2#



#76

1,2,3-Trichloropropane

Concen: 27.314 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX028447.D

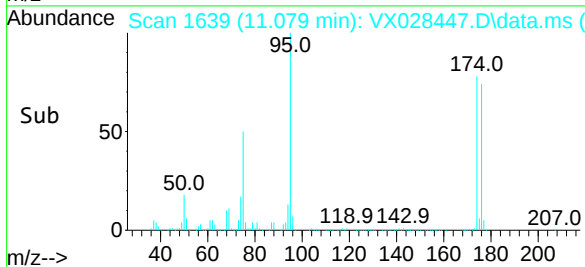
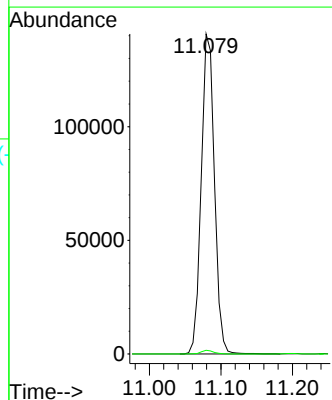
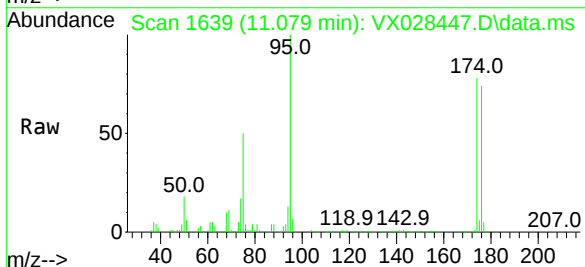
Acq: 30 Apr 2022 01:07

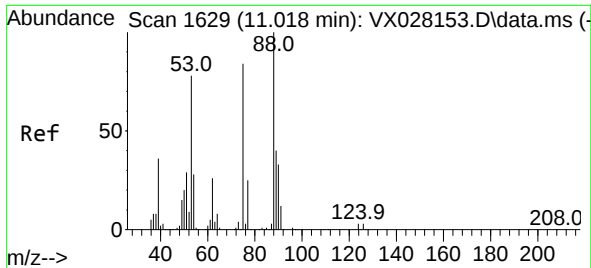
Tgt Ion: 75 Resp: 180565

Ion Ratio Lower Upper

75 100

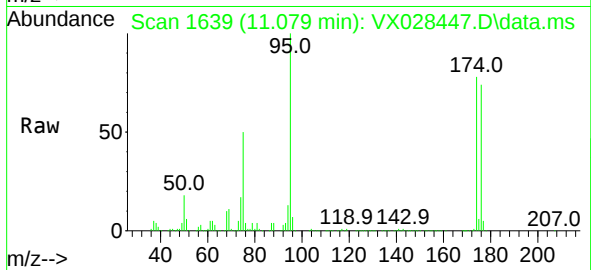
77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.170 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX028447.D
 Acq: 30 Apr 2022 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144452ZHE#02



Tgt Ion: 75 Resp: 180565
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

