

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051022\
 Data File : VX028592.D
 Acq On : 10 May 2022 14:02
 Operator : JC/MD
 Sample : PB144702ZHE#05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#05

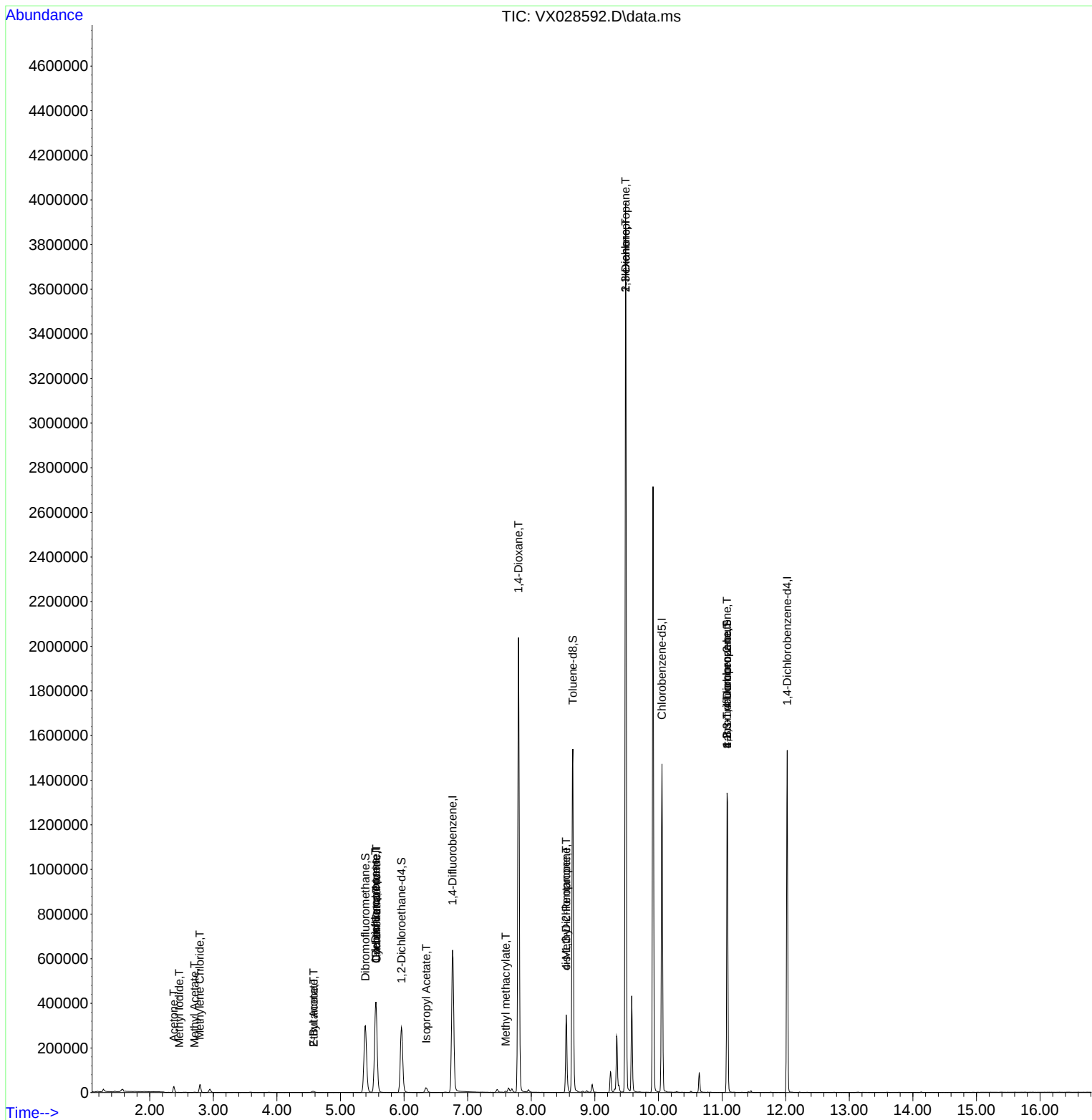
Quant Time: May 11 06:59:45 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

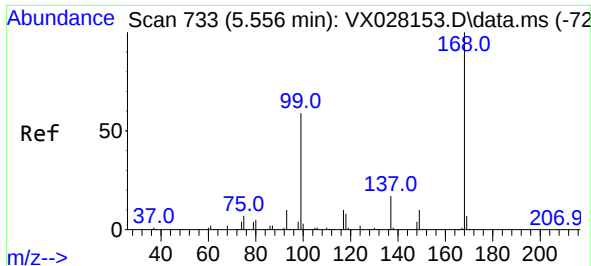
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	406757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	685297	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	673537	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	317454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	275339	51.915	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 103.840%	
35) Dibromofluoromethane	5.391	113	259509	53.998	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 108.000%	
50) Toluene-d8	8.653	98	945458	51.220	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 102.440%	
62) 4-Bromofluorobenzene	11.079	95	349208	49.478	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 98.960%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	547	Below Cal		96
5) Bromomethane	1.611	94	965	Below Cal		92
6) Chloroethane	1.697	64	1311	Below Cal	#	75
8) Diethyl Ether	2.136	74	97	Below Cal	#	1
10) Methyl Iodide	2.465	142	381	5.310	ug/l #	77
11) Tert butyl alcohol	2.947	59	8122	Below Cal	#	73
16) Acetone	2.380	43	27912	15.924	ug/l	99
18) Methyl Acetate	2.703	43	2027	0.430	ug/l #	88
20) Methylene Chloride	2.788	84	16582	4.214	ug/l	99
25) 2-Butanone	4.574	43	5902	1.879	ug/l	93
31) Cyclohexane	5.562	56	7510	1.162	ug/l #	17
36) 1,1-Dichloropropene	5.550	75	27606	4.404	ug/l #	50
37) Ethyl Acetate	4.574	43	5902	0.928	ug/l #	65
38) Carbon Tetrachloride	5.562	117	39210	5.541	ug/l #	16
43) Isopropyl Acetate	6.348	43	29201	2.821	ug/l	98
48) Methyl methacrylate	7.598	41	7618	1.603	ug/l #	7
49) 1,4-Dioxane	7.799	88	324	2.548	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	111220	16.742	ug/l #	45
54) cis-1,3-Dichloropropene	8.549	75	59214	7.662	ug/l #	67
57) 1,3-Dichloropropane	9.482	76	38109	4.558	ug/l #	43
59) 2-Hexanone	9.482	43	424020	82.397	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	174949	28.002	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	174949	83.215	ug/l #	15

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

Quant Time: May 11 06:59:45 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

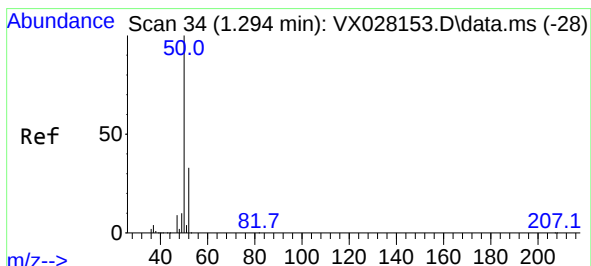
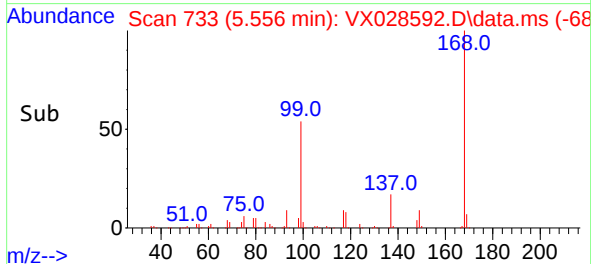
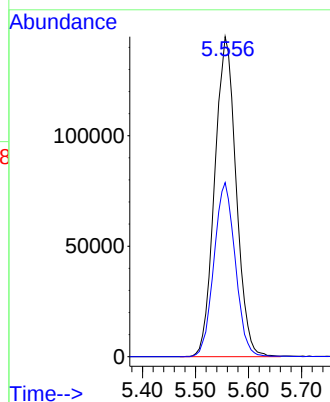
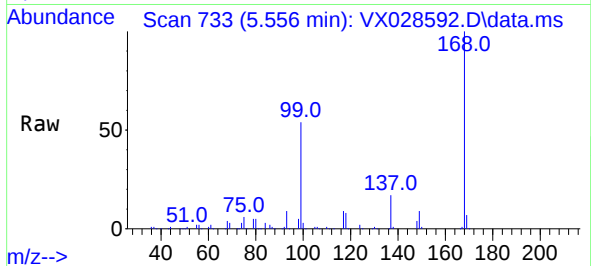




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

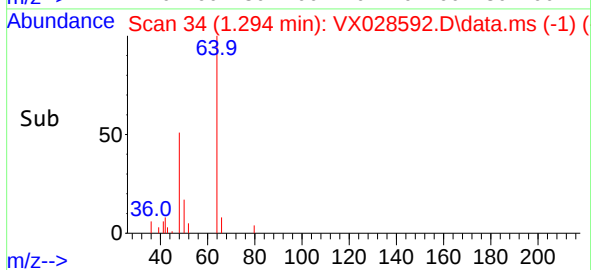
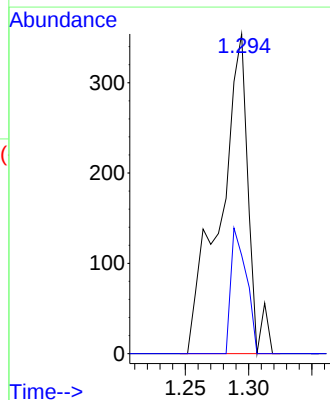
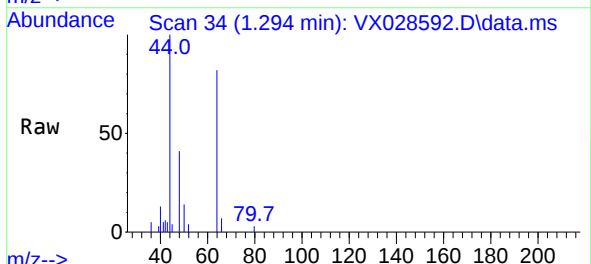
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#05

Tgt Ion:168 Resp: 406757
Ion Ratio Lower Upper
168 100
99 54.4 41.7 62.5

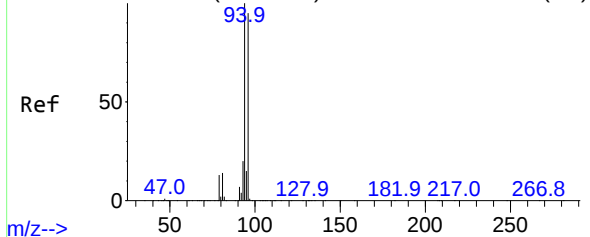


#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Tgt Ion: 50 Resp: 547
Ion Ratio Lower Upper
50 100
52 30.8 26.4 39.6



Abundance Scan 84 (1.599 min): VX028153.D\data.ms (-78)



#5

Bromomethane

Concen: Below Cal

RT: 1.611 min Scan# 80

Delta R.T. 0.012 min

Lab File: VX028592.D

Acq: 10 May 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#05

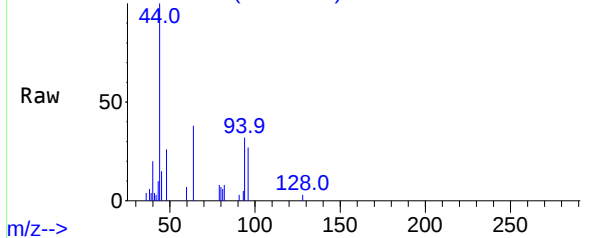
Tgt Ion: 94 Resp: 965

Ion Ratio Lower Upper

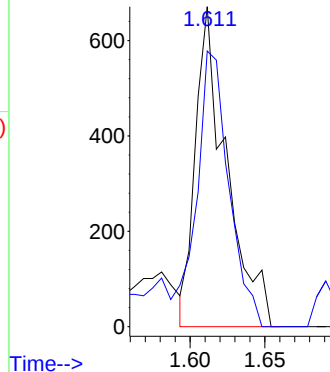
94 100

96 86.1 75.3 112.9

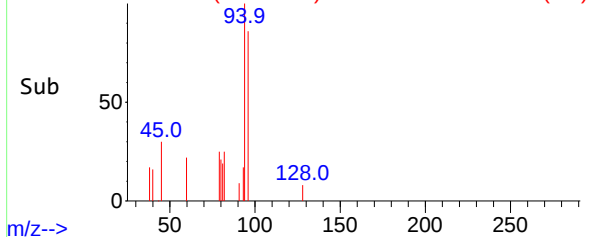
Abundance Scan 86 (1.611 min): VX028592.D\data.ms



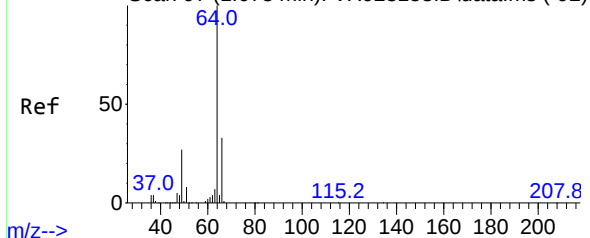
Abundance



Abundance Scan 86 (1.611 min): VX028592.D\data.ms (-35)



Abundance Scan 97 (1.678 min): VX028153.D\data.ms (-92)



#6

Chloroethane

Concen: Below Cal

RT: 1.697 min Scan# 100

Delta R.T. 0.019 min

Lab File: VX028592.D

Acq: 10 May 2022 14:02

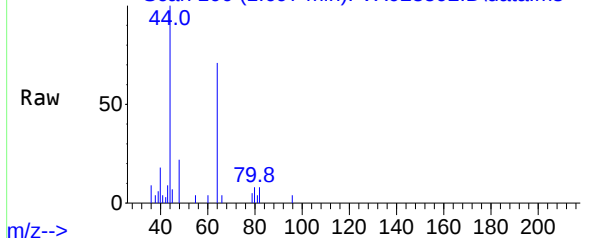
Tgt Ion: 64 Resp: 1311

Ion Ratio Lower Upper

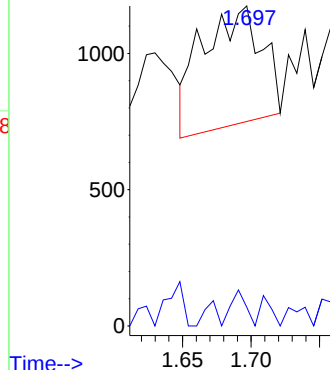
64 100

66 17.6 25.3 37.9#

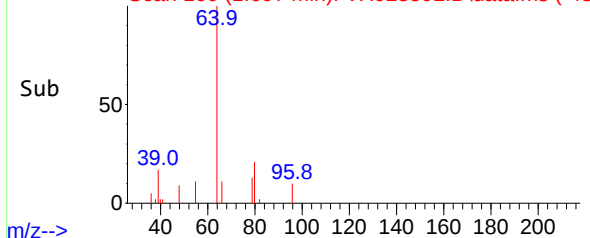
Abundance Scan 100 (1.697 min): VX028592.D\data.ms

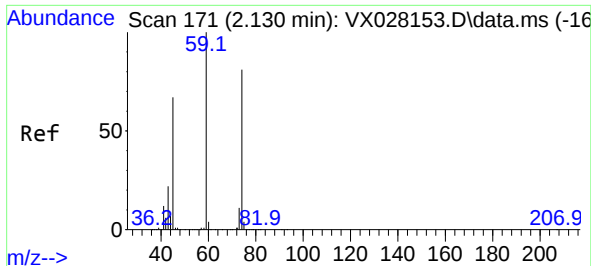


Abundance



Abundance Scan 100 (1.697 min): VX028592.D\data.ms (-48)

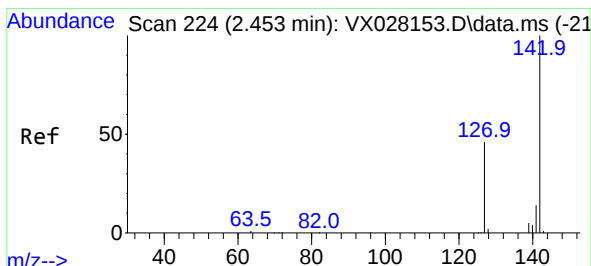
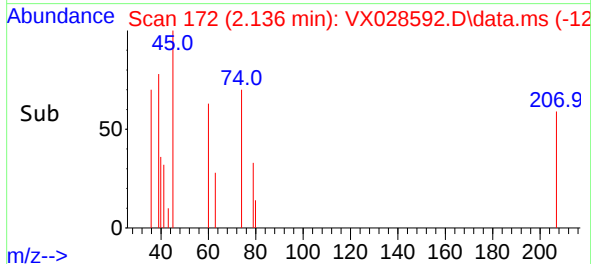
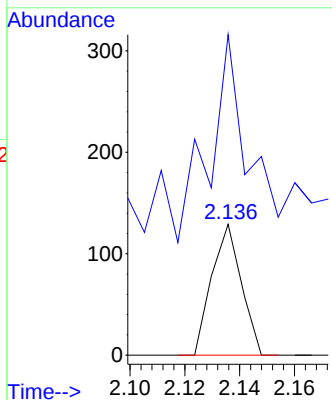
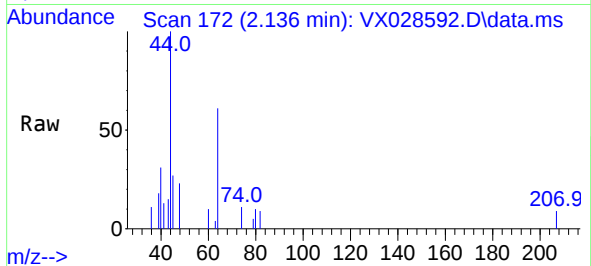




#8
Diethyl Ether
Concen: Below Cal
RT: 2.136 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

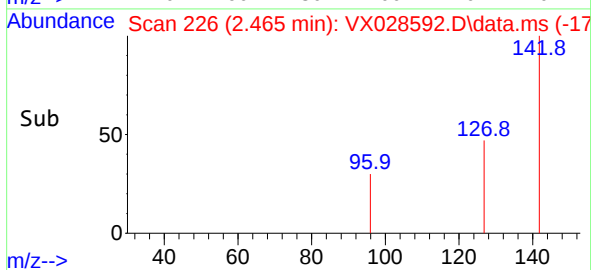
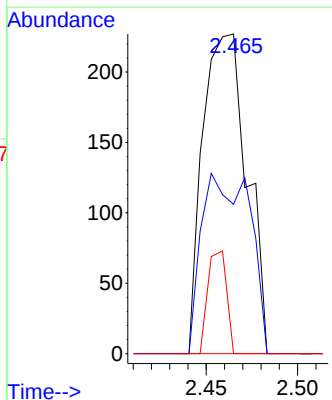
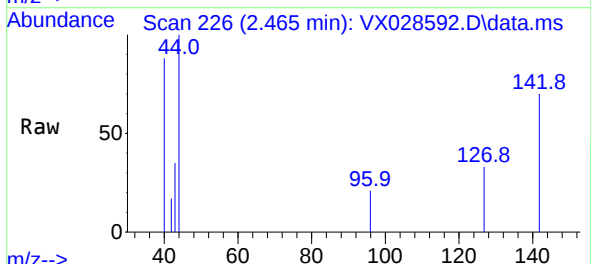
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#05

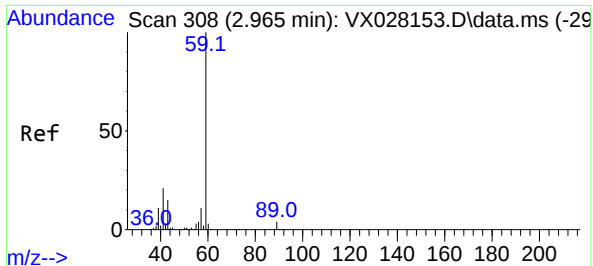
Tgt Ion: 74 Resp: 97
Ion Ratio Lower Upper
74 100
45 512.4 42.0 126.0#



#10
Methyl Iodide
Concen: 5.310 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Tgt Ion: 142 Resp: 381
Ion Ratio Lower Upper
142 100
127 61.4 33.9 50.9#
141 13.6 11.4 17.2





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.947 min Scan# 308

Delta R.T. -0.018 min

Lab File: VX028592.D

Acq: 10 May 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

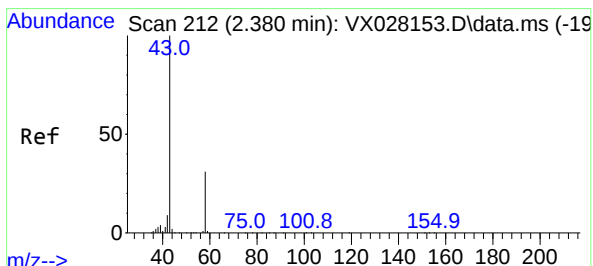
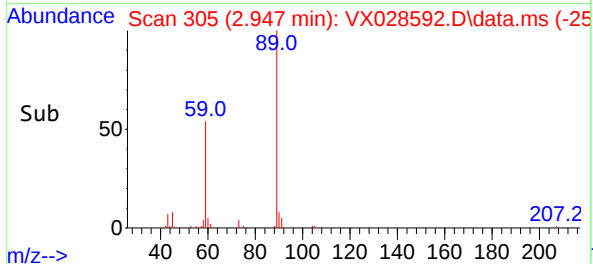
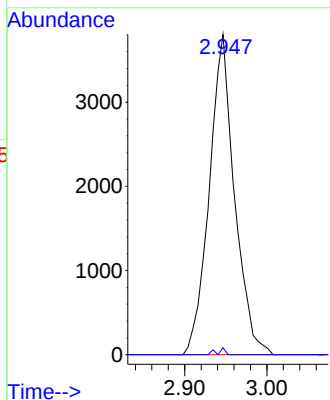
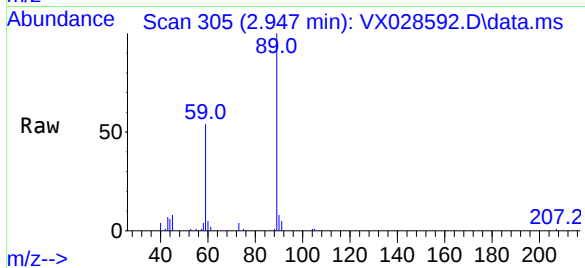
PB144702ZHE#05

Tgt Ion: 59 Resp: 8122

Ion Ratio Lower Upper

59 100

57 0.3 8.3 12.5#



#16

Acetone

Concen: 15.924 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028592.D

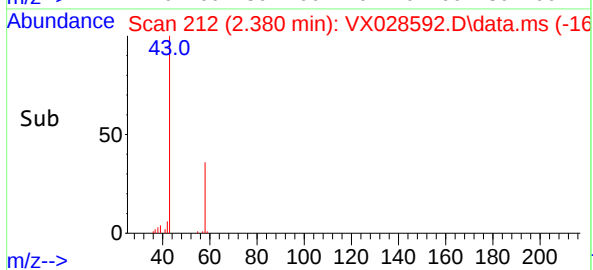
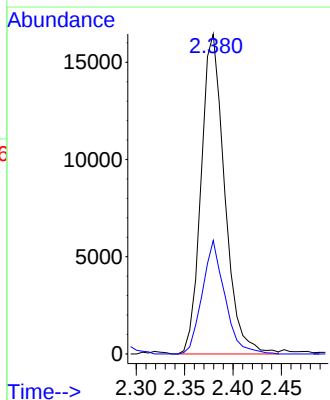
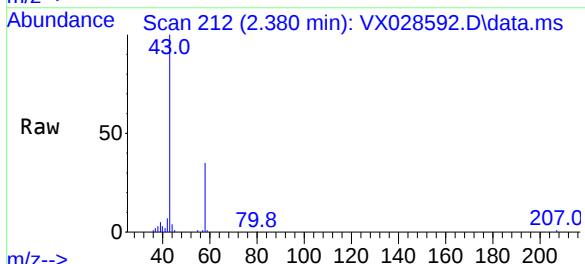
Acq: 10 May 2022 14:02

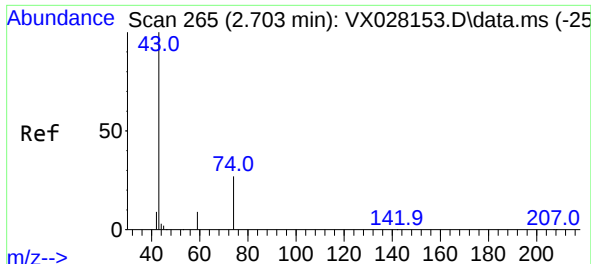
Tgt Ion: 43 Resp: 27912

Ion Ratio Lower Upper

43 100

58 35.4 28.8 43.2

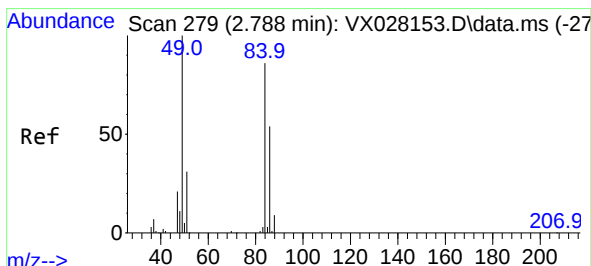
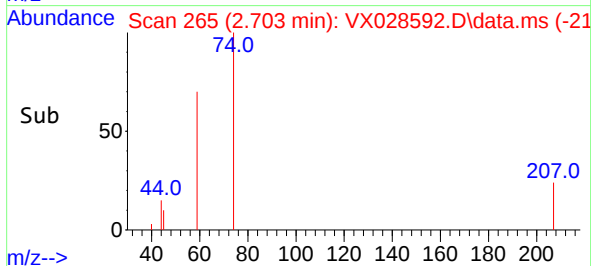
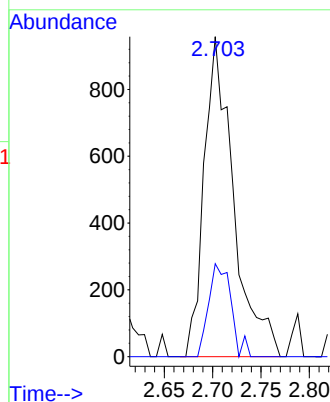
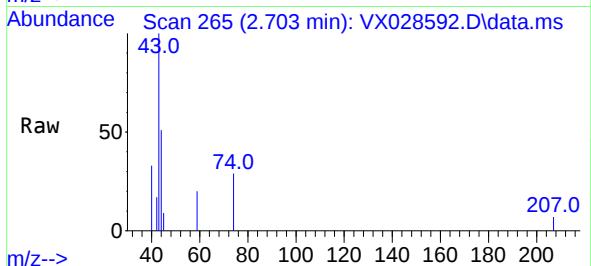




#18
Methyl Acetate
Concen: 0.430 ug/l
RT: 2.703 min Scan# 2027
Delta R.T. -0.000 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

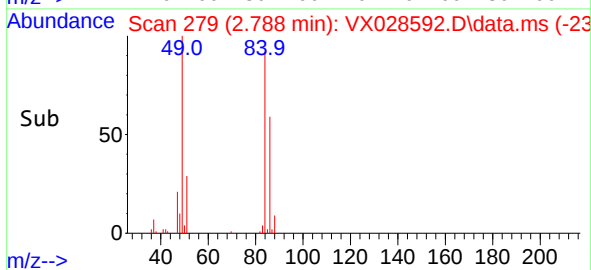
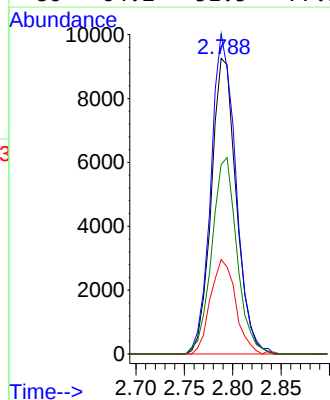
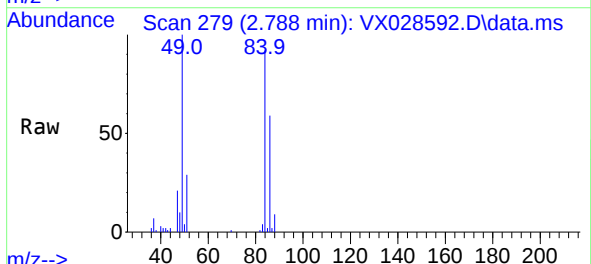
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#05

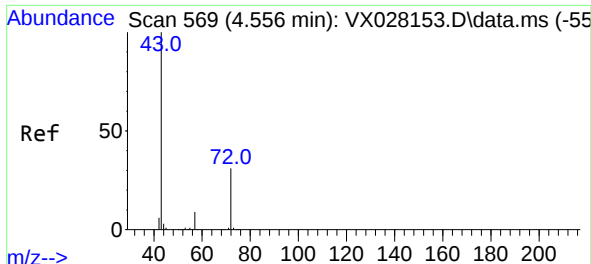
Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
74 22.0 22.8 34.2#



#20
Methylene Chloride
Concen: 4.214 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Tgt Ion: 84 Resp: 16582
Ion Ratio Lower Upper
84 100
49 108.3 85.5 128.3
51 31.9 26.6 39.8
86 64.2 51.5 77.3

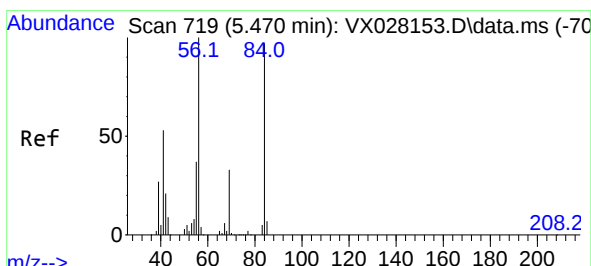
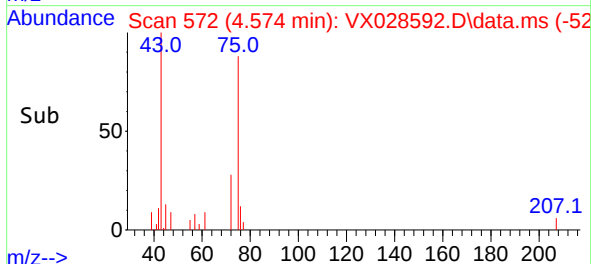
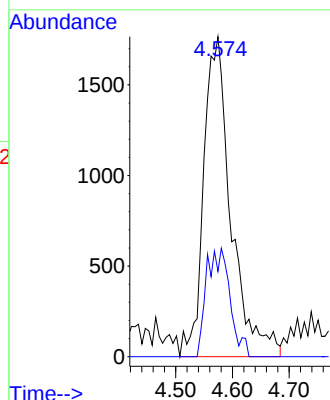
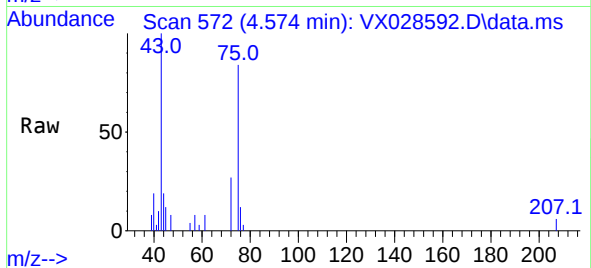




#25
2-Butanone
Concen: 1.879 ug/l
RT: 4.574 min Scan# 51
Delta R.T. 0.018 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

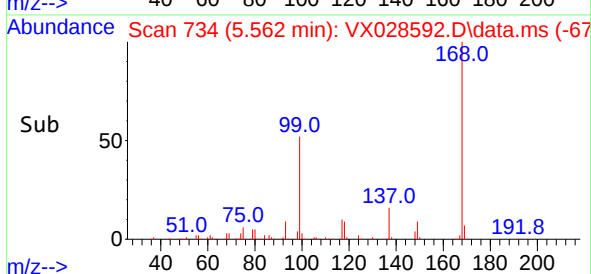
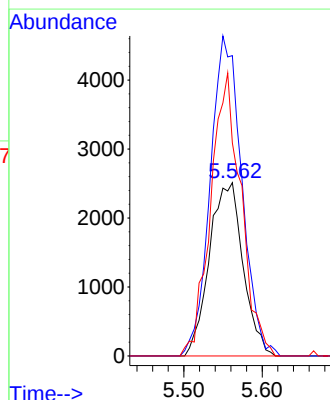
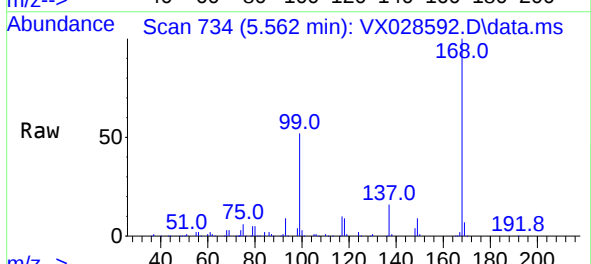
Instrument :
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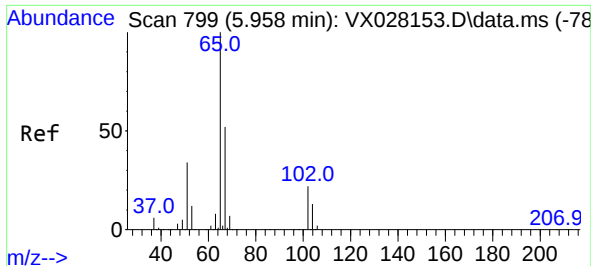
Tgt Ion: 43 Resp: 5902
Ion Ratio Lower Upper
43 100
72 26.7 24.4 36.6



#31
Cyclohexane
Concen: 1.162 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.092 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Tgt Ion: 56 Resp: 7510
Ion Ratio Lower Upper
56 100
69 173.4 26.7 40.1#
84 123.0 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 51.915 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028592.D

Acq: 10 May 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

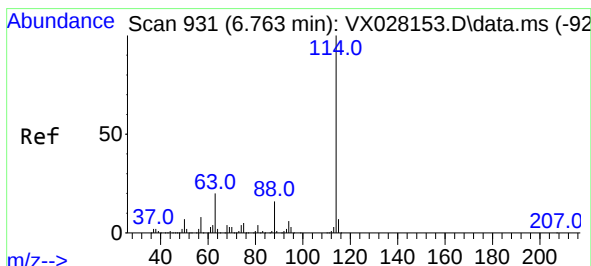
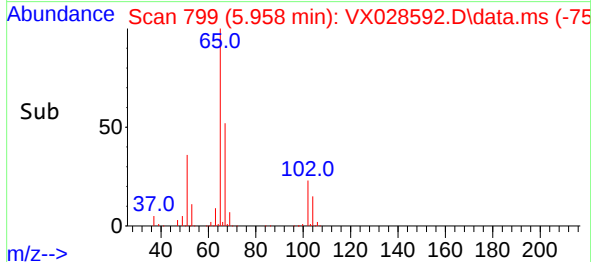
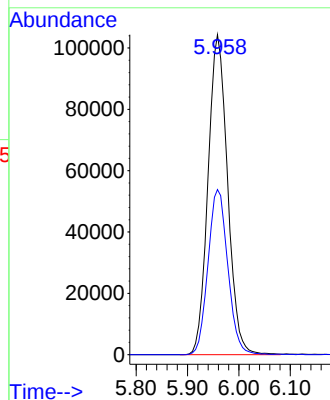
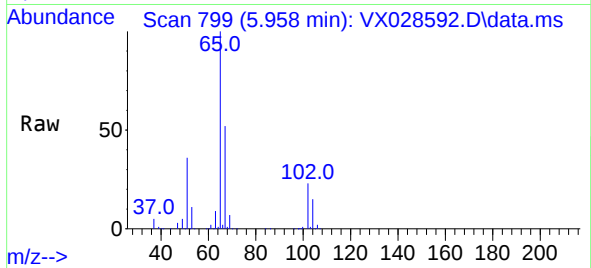
PB144702ZHE#05

Tgt Ion: 65 Resp: 275339

Ion Ratio Lower Upper

65 100

67 52.4 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: VX028592.D

Acq: 10 May 2022 14:02

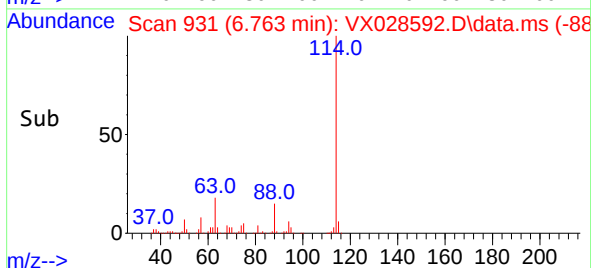
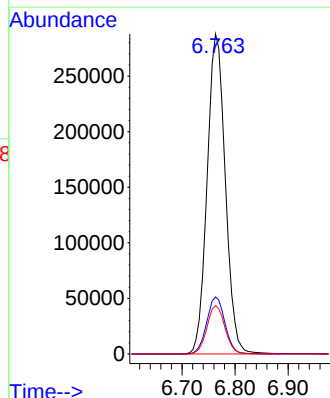
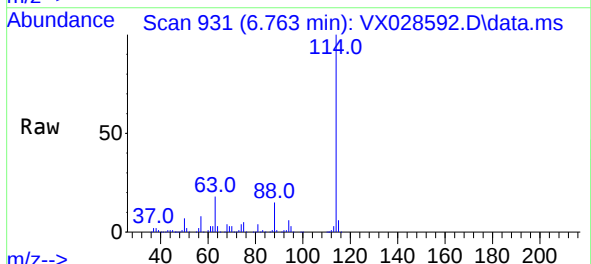
Tgt Ion: 114 Resp: 685297

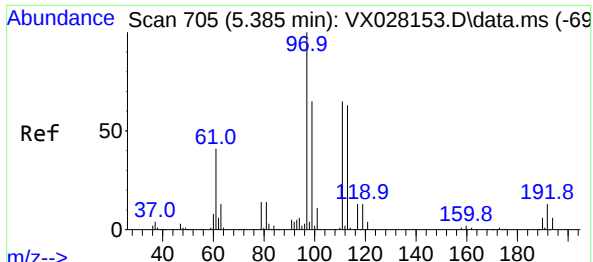
Ion Ratio Lower Upper

114 100

63 17.8 0.0 36.8

88 15.1 0.0 32.4

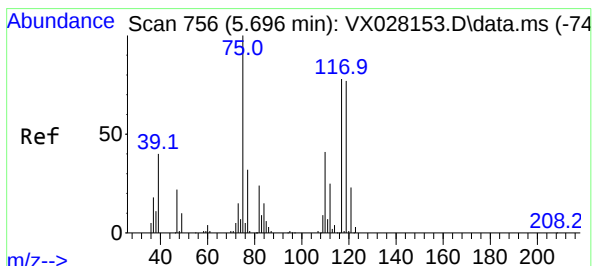
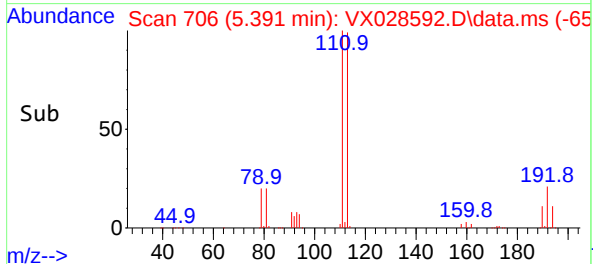
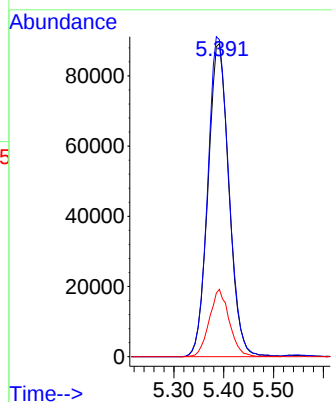
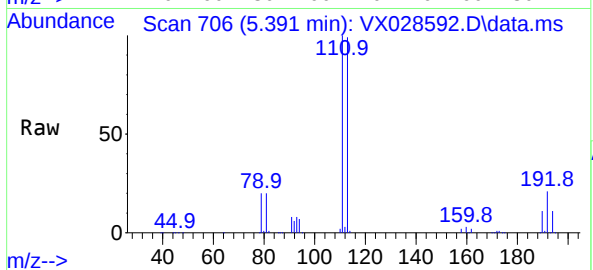




#35
Dibromofluoromethane
Concen: 53.998 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

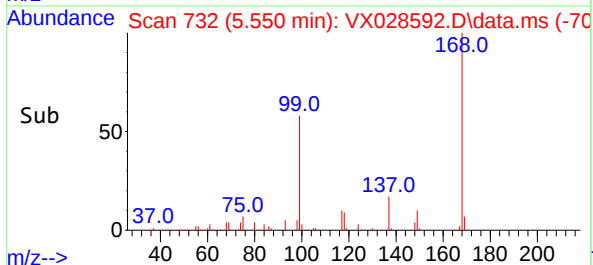
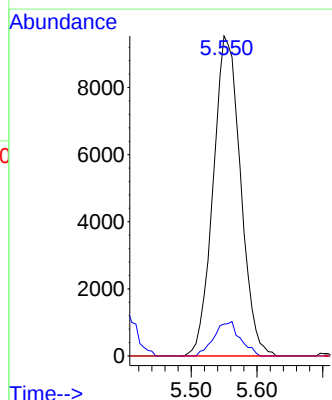
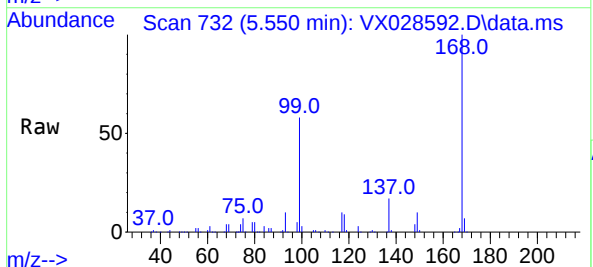
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#05

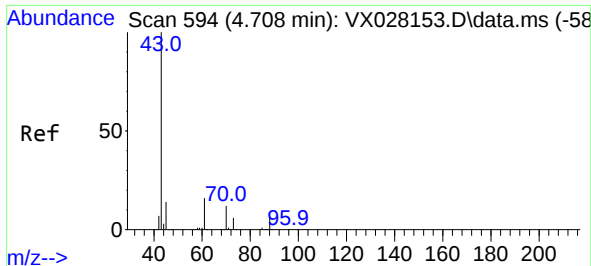
Tgt Ion:113 Resp: 259509
Ion Ratio Lower Upper
113 100
111 103.0 82.8 124.2
192 20.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.404 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Tgt Ion: 75 Resp: 27606
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.928 ug/l

RT: 4.574 min Scan# 51

Delta R.T. -0.134 min

Lab File: VX028592.D

Acq: 10 May 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#05

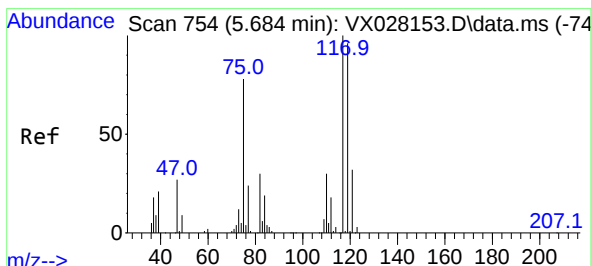
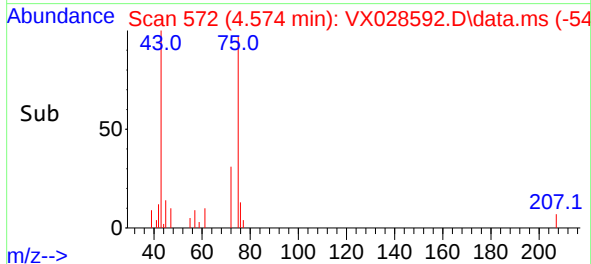
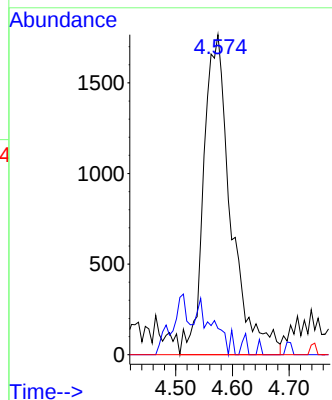
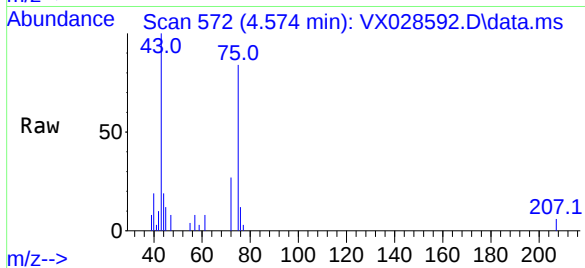
Tgt Ion: 43 Resp: 5902

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.541 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX028592.D

Acq: 10 May 2022 14:02

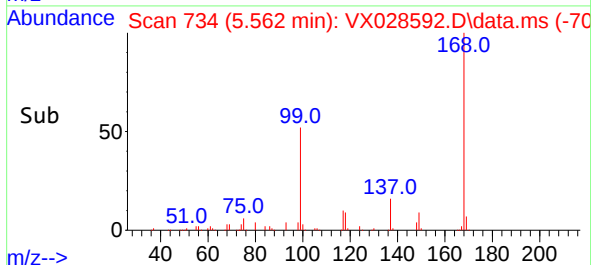
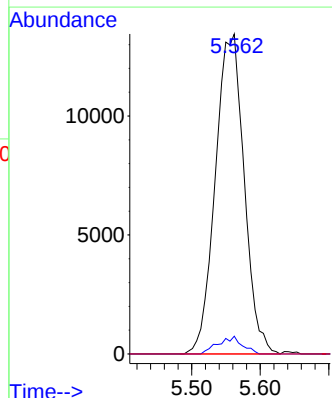
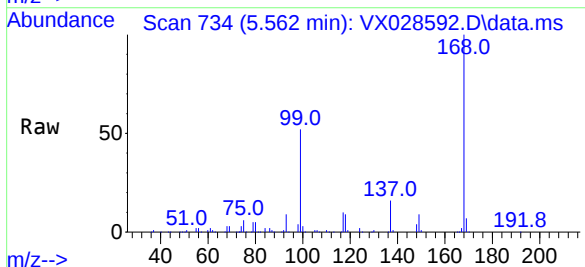
Tgt Ion: 117 Resp: 39210

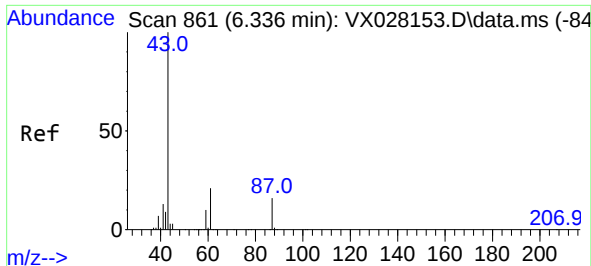
Ion Ratio Lower Upper

117 100

119 5.6 77.3 115.9#

121 0.0 24.2 36.2#

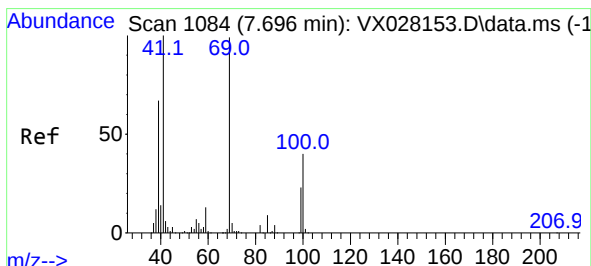
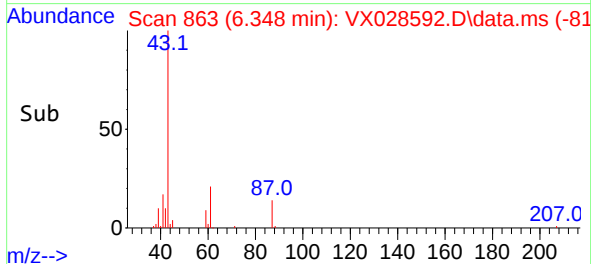
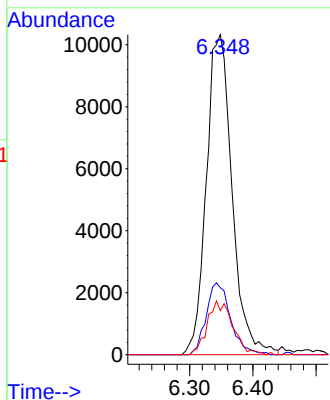
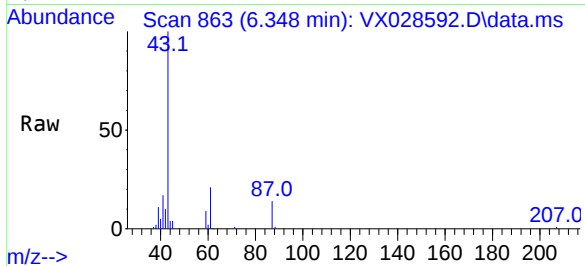




#43
Isopropyl Acetate
Concen: 2.821 ug/l
RT: 6.348 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

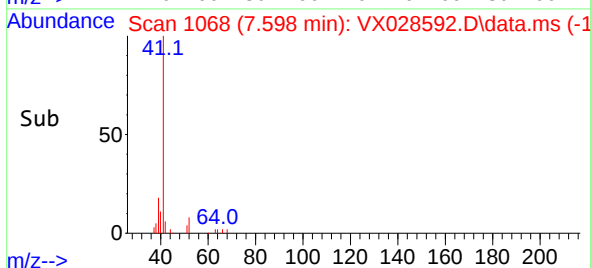
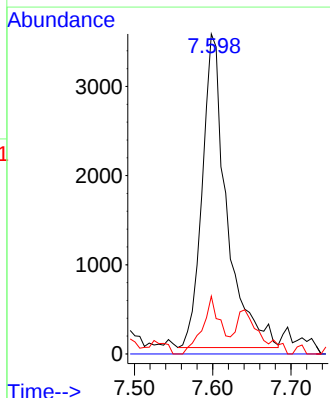
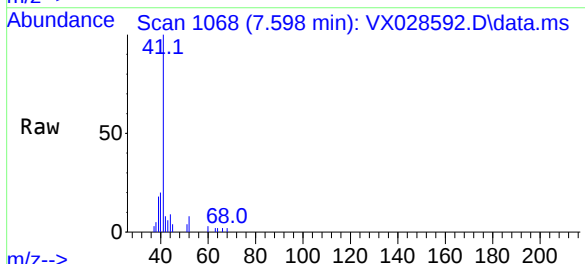
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#05

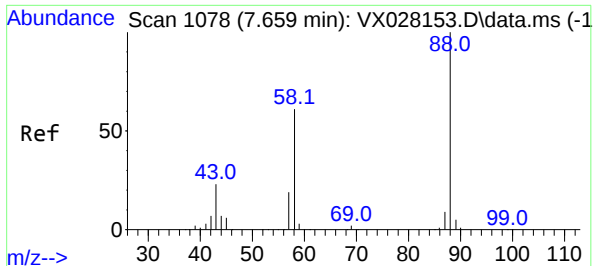
Tgt Ion: 43	Resp: 29201
Ion Ratio	Lower Upper
43 100	
61 21.3	18.5 27.7
87 16.6	13.0 19.6



#48
Methyl methacrylate
Concen: 1.603 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Tgt Ion: 41	Resp: 7618
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: 2.548 ug/l

RT: 7.799 min Scan# 1101

Delta R.T. 0.140 min

Lab File: VX028592.D

Acq: 10 May 2022 14:02

Instrument :

MSVOA_X

ClientSampleId :

PB144702ZHE#05

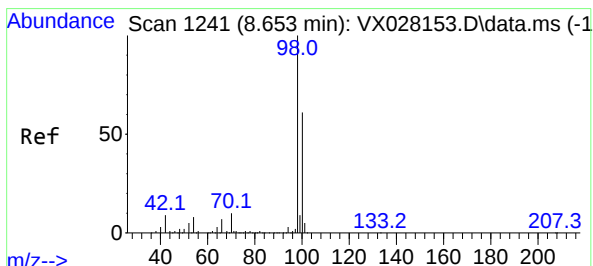
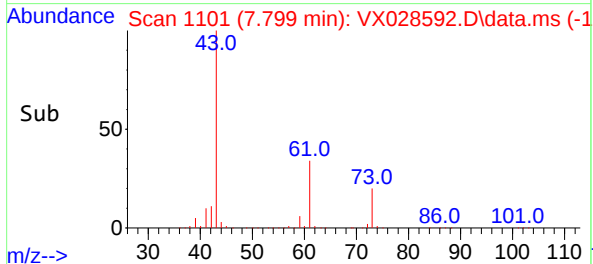
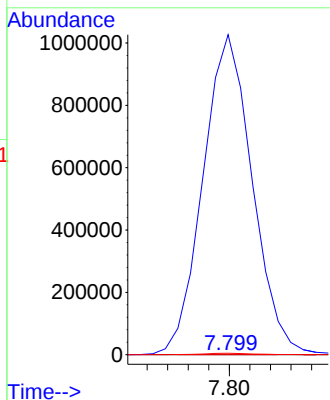
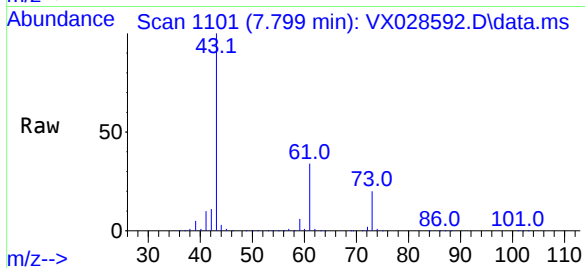
Tgt Ion: 88 Resp: 324

Ion Ratio Lower Upper

88 100

43 531934.6 21.9 32.9#

58 2448.8 53.7 80.5#



#50

Toluene-d8

Concen: 51.220 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028592.D

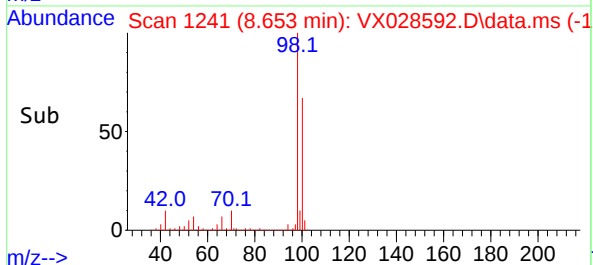
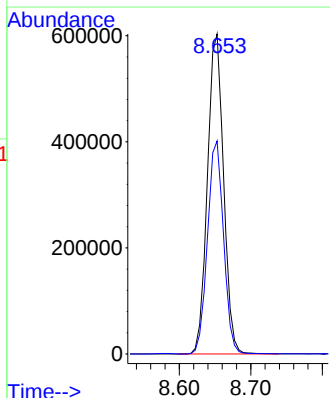
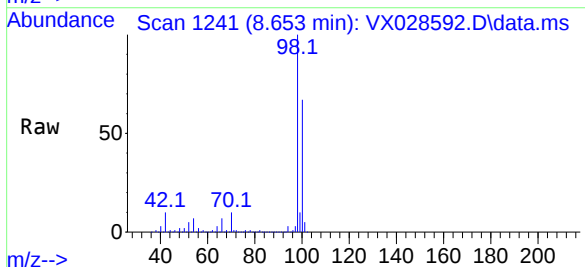
Acq: 10 May 2022 14:02

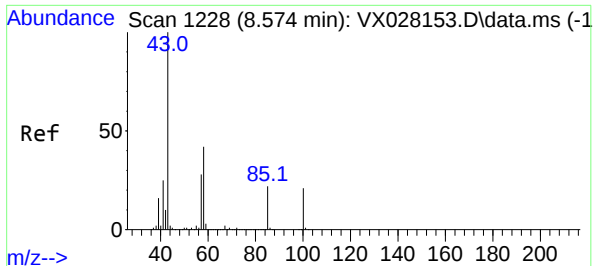
Tgt Ion: 98 Resp: 945458

Ion Ratio Lower Upper

98 100

100 66.3 52.6 78.8

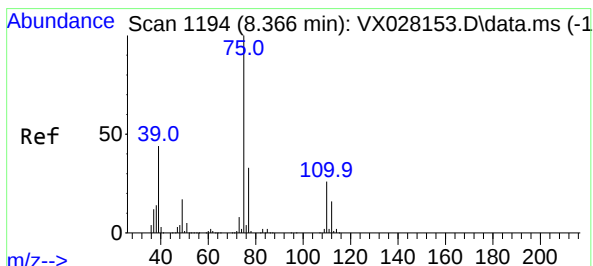
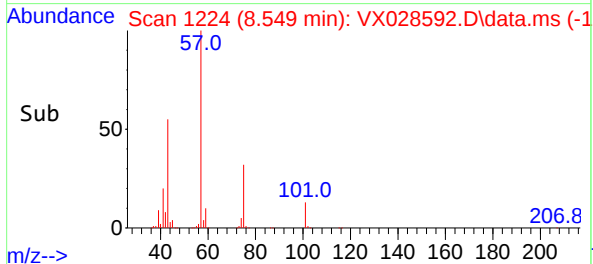
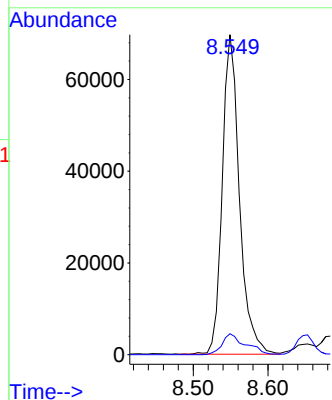
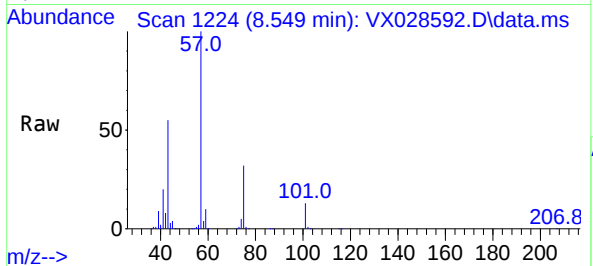




#51
4-Methyl-2-Pentanone
Concen: 16.742 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.025 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

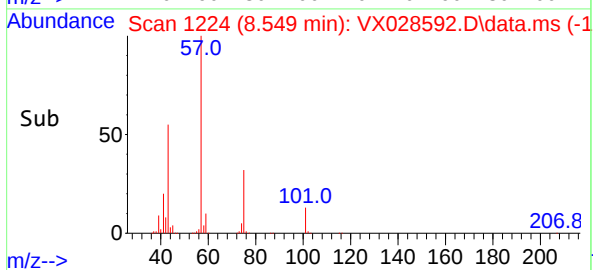
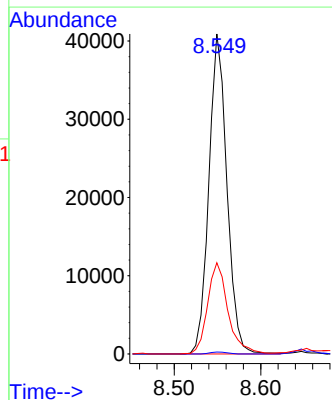
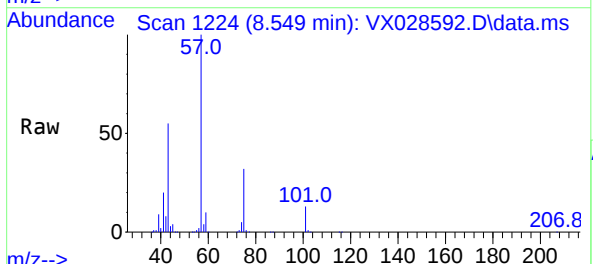
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#05

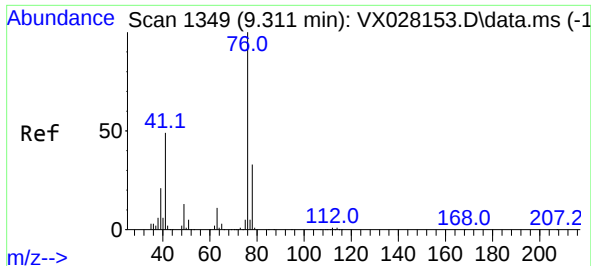
Tgt Ion: 43 Resp: 111220
Ion Ratio Lower Upper
43 100
58 9.0 36.1 54.1#



#54
cis-1,3-Dichloropropene
Concen: 7.662 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Tgt Ion: 75 Resp: 59214
Ion Ratio Lower Upper
75 100
77 0.6 24.8 37.2#
39 28.5 29.6 44.4#

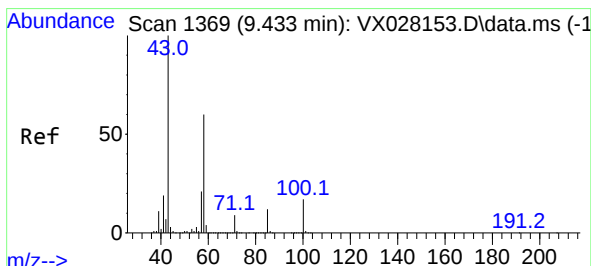
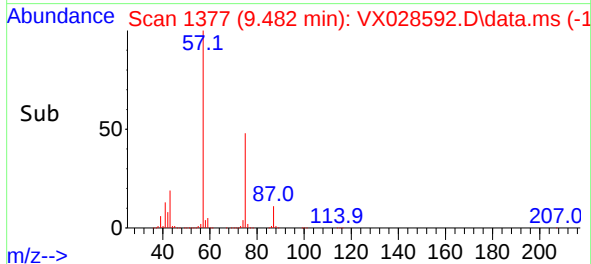
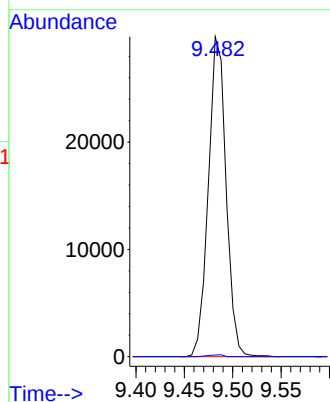
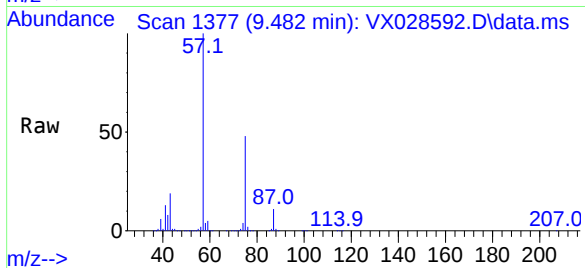




#57
1,3-Dichloropropane
Concen: 4.558 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

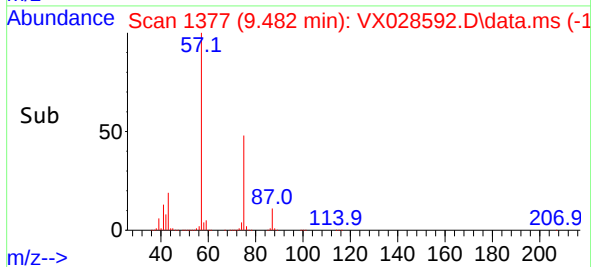
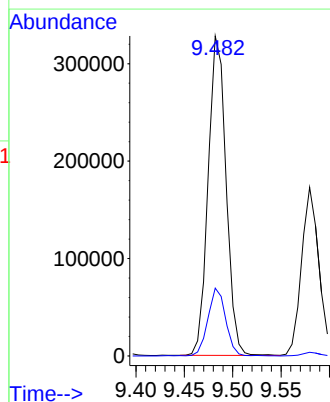
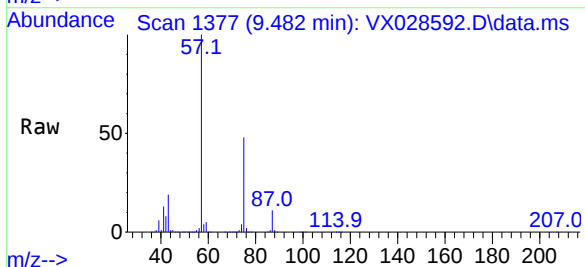
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#05

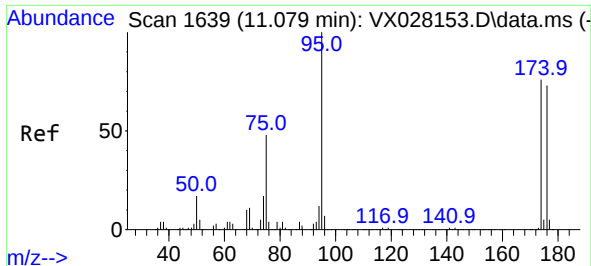
Tgt Ion: 76 Resp: 38109
Ion Ratio Lower Upper
76 100
78 0.5 25.8 38.8#



#59
2-Hexanone
Concen: 82.397 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Tgt Ion: 43 Resp: 424020
Ion Ratio Lower Upper
43 100
58 21.2 31.9 95.7#

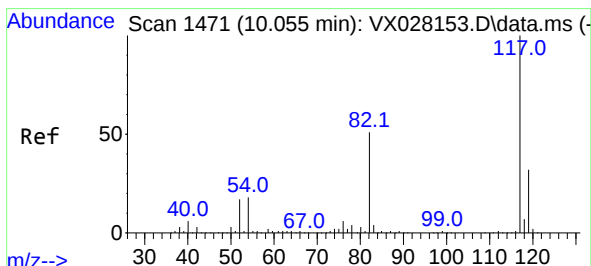
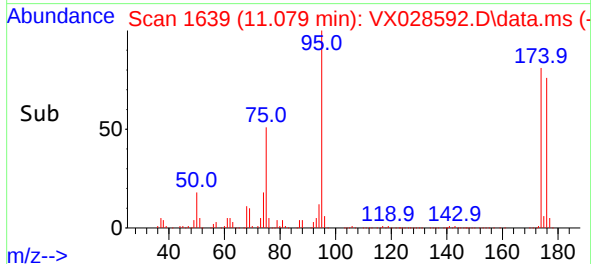
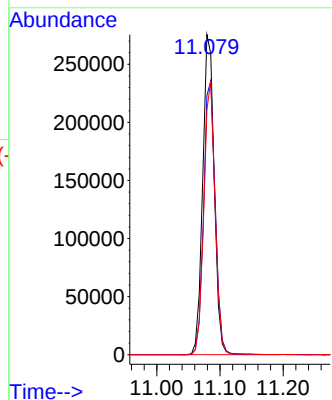
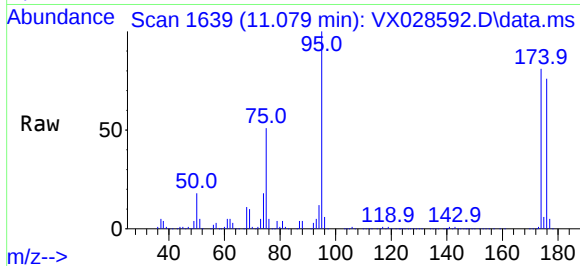




#62
4-Bromofluorobenzene
Concen: 49.478 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

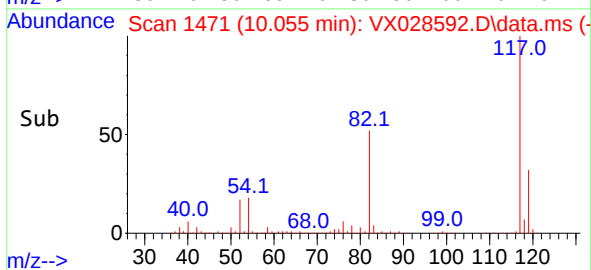
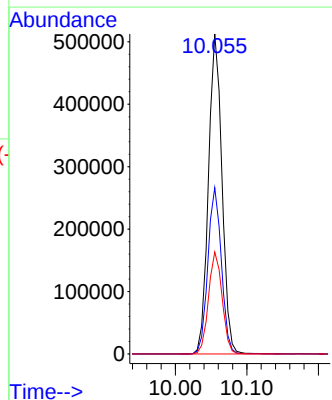
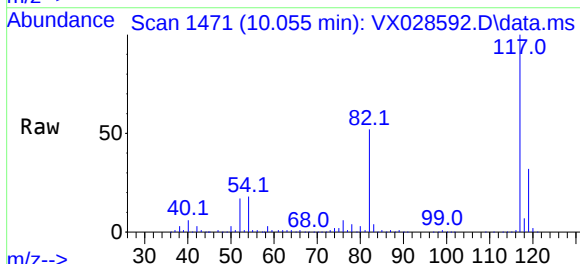
Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#05

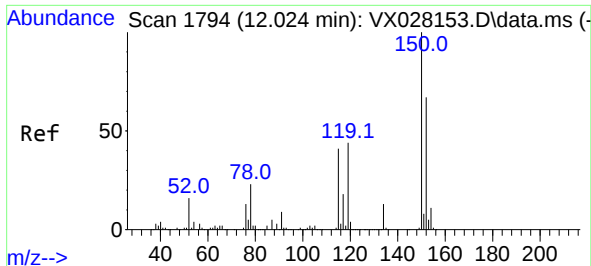
Tgt Ion: 95 Resp: 349208
Ion Ratio Lower Upper
95 100
174 86.5 0.0 163.0
176 83.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Tgt Ion: 117 Resp: 673537
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 31.9 24.8 37.2

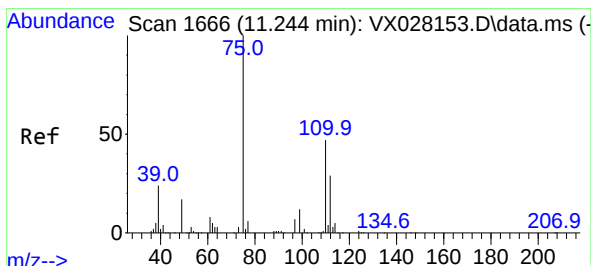
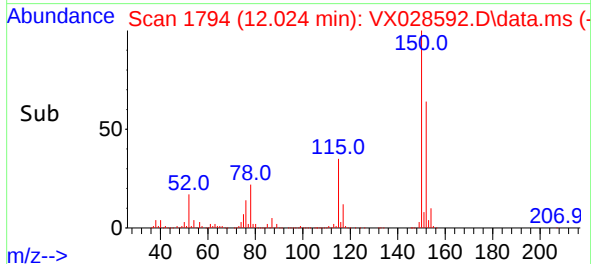
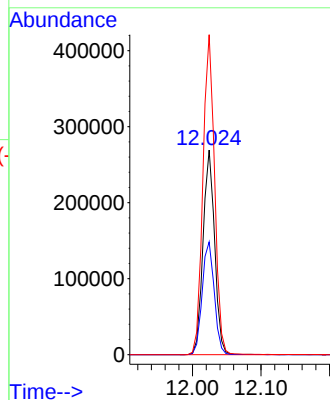
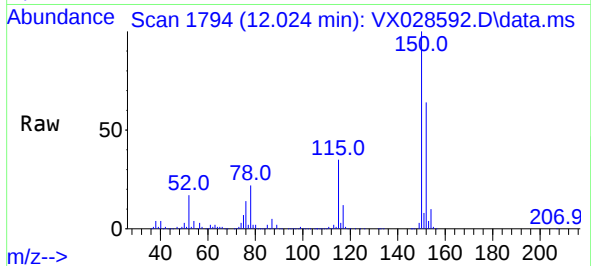




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028592.D
 Acq: 10 May 2022 14:02

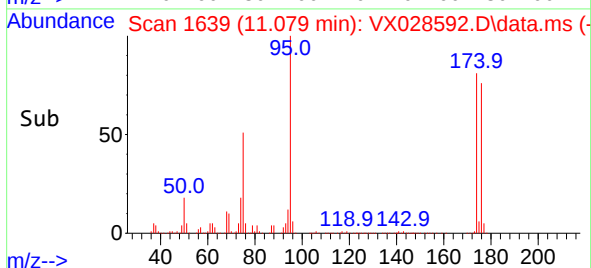
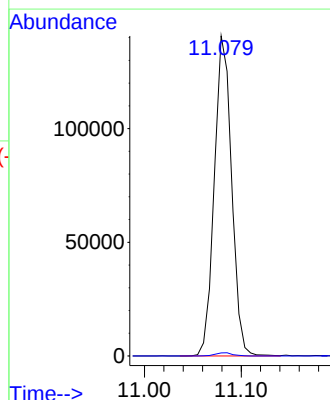
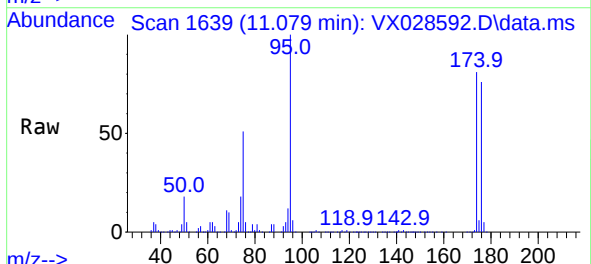
Instrument :
 MSVOA_X
 ClientSampleId :
 PB144702ZHE#05

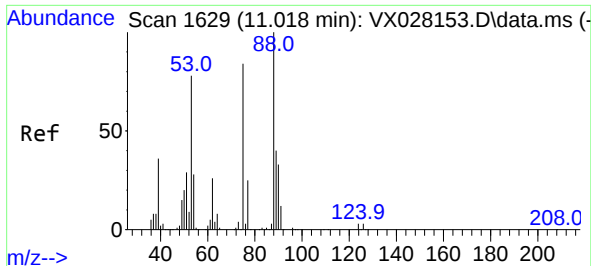
Tgt Ion:152 Resp: 317454
 Ion Ratio Lower Upper
 152 100
 115 57.4 37.5 112.7
 150 157.6 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.002 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028592.D
 Acq: 10 May 2022 14:02

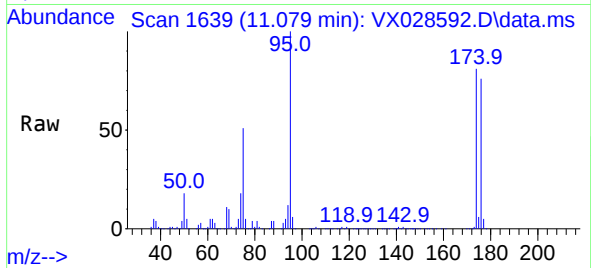
Tgt Ion: 75 Resp: 174949
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.4 58.2#





#81
trans-1,4-Dichloro-2-butene
Concen: 83.215 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028592.D
Acq: 10 May 2022 14:02

Instrument :
MSVOA_X
ClientSampleId :
PB144702ZHE#05



Tgt Ion: 75 Resp: 174949
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

