

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050622\
 Data File : VX028559.D
 Acq On : 06 May 2022 18:52
 Operator : JC/MD
 Sample : N2723-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MMC-PIT3

Quant Time: May 07 06:05:58 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)

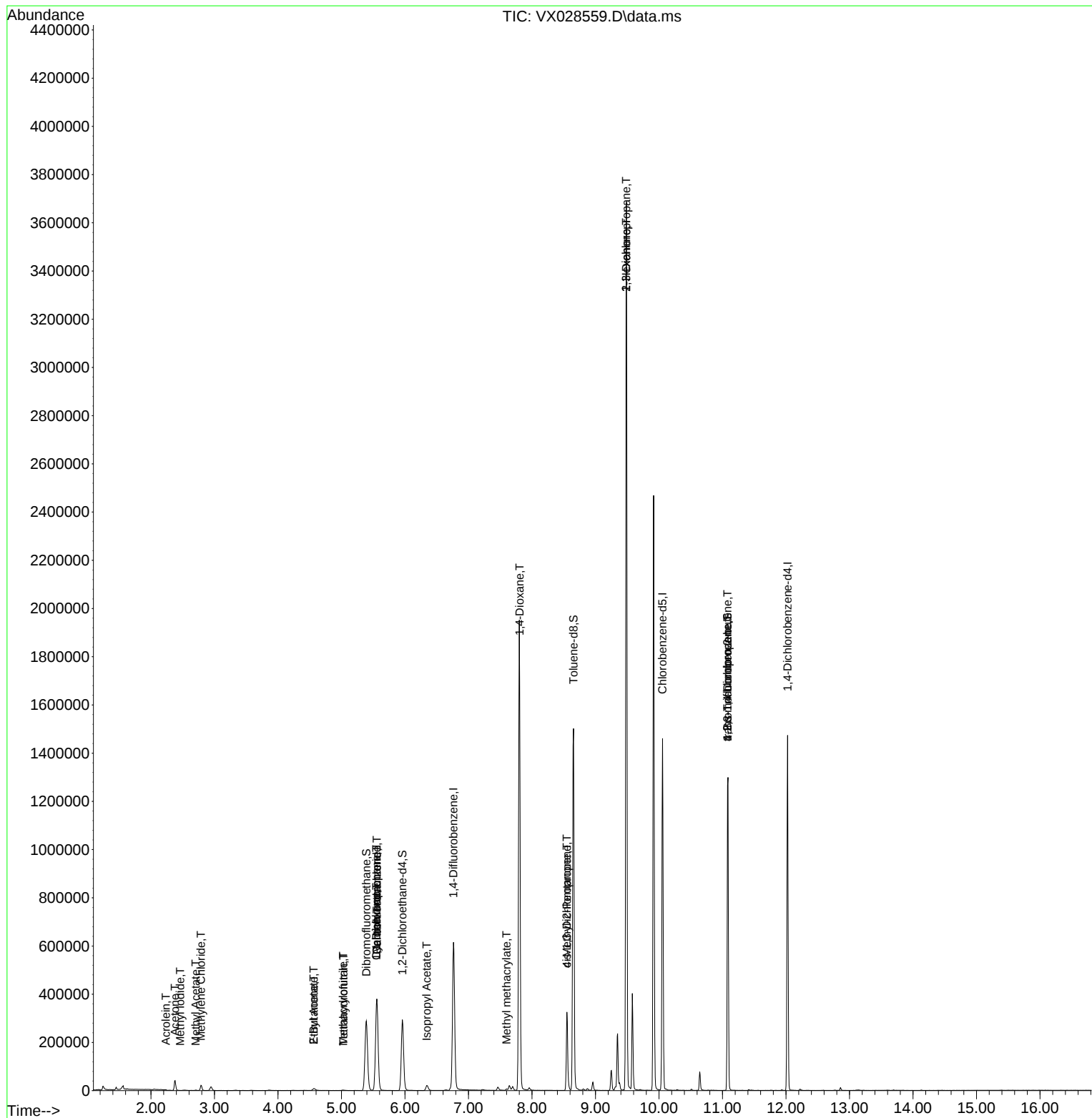
Internal Standards						
1) Pentafluorobenzene	5.556	168	372907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	650282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	655920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	304605	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	271816	55.903	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 111.800%			
35) Dibromofluoromethane	5.391	113	250250	54.875	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 109.740%			
50) Toluene-d8	8.653	98	921297	52.599	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.200%			
62) 4-Bromofluorobenzene	11.079	95	342169	51.091	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 102.180%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	307	Below Cal	#	82
5) Bromomethane	1.618	94	827	Below Cal		96
6) Chloroethane	1.666	64	432	Below Cal	#	51
8) Diethyl Ether	1.886	74	58	Below Cal	#	7
10) Methyl Iodide	2.459	142	116	5.260	ug/l #	65
11) Tert butyl alcohol	2.947	59	8232	Below Cal	#	75
13) Acrolein	2.233	56	424	0.712	ug/l	95
16) Acetone	2.380	43	42933	27.668	ug/l	99
18) Methyl Acetate	2.703	43	2357	0.545	ug/l	89
20) Methylene Chloride	2.788	84	9905	2.746	ug/l	95
25) 2-Butanone	4.562	43	9958	3.458	ug/l	98
29) Tetrahydrofuran	5.032	42	1718	0.915	ug/l #	62
31) Cyclohexane	5.550	56	7270	1.227	ug/l #	32
36) 1,1-Dichloropropene	5.550	75	27217	4.575	ug/l #	50
37) Ethyl Acetate	4.562	43	9958	1.650	ug/l #	66
38) Carbon Tetrachloride	5.556	117	36765	5.475	ug/l #	15
41) Methacrylonitrile	5.026	41	1182	0.380	ug/l #	30
43) Isopropyl Acetate	6.342	43	28474	2.899	ug/l	97
48) Methyl methacrylate	7.598	41	7882	1.748	ug/l #	7
49) 1,4-Dioxane	7.806	88	434	3.597	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	105595	16.751	ug/l #	46
54) cis-1,3-Dichloropropene	8.549	75	54629	7.449	ug/l #	69
57) 1,3-Dichloropropane	9.482	76	35312	4.451	ug/l #	43
59) 2-Hexanone	9.482	43	405155	82.971	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	169820	28.328	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	169820	84.183	ug/l #	15

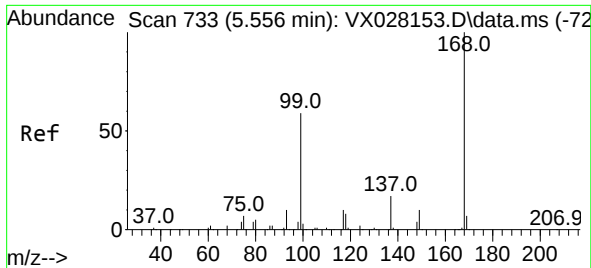
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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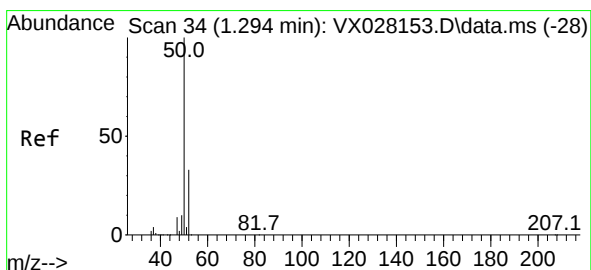
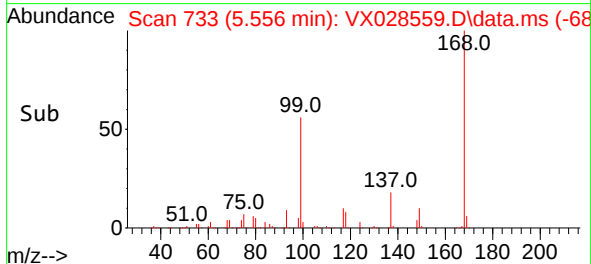
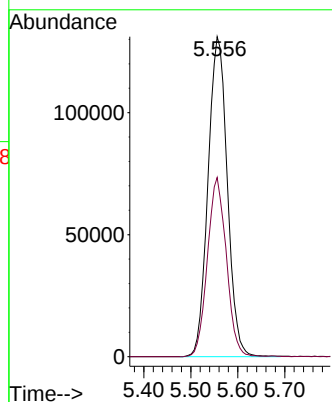
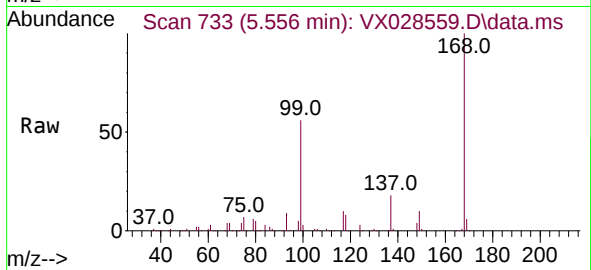




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

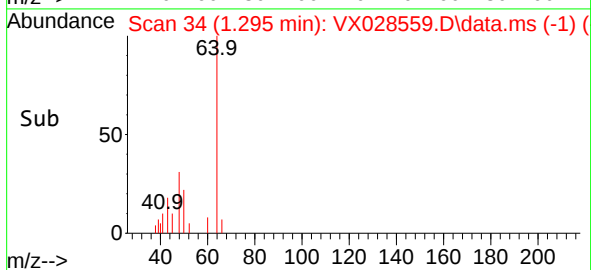
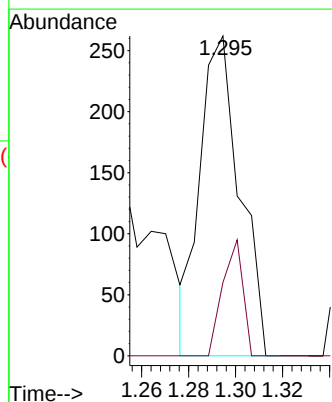
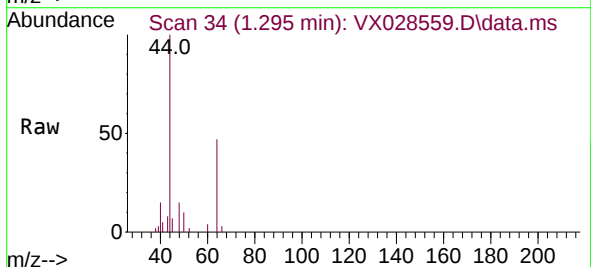
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

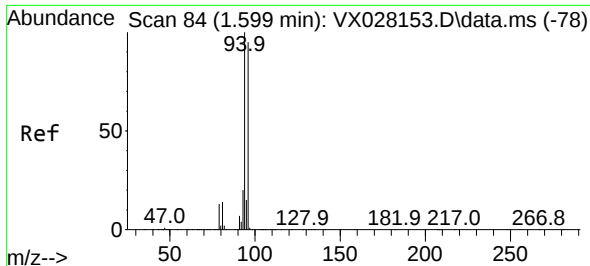
Tgt Ion:168 Resp: 372907
Ion Ratio Lower Upper
168 100
99 56.0 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion: 50 Resp: 307
Ion Ratio Lower Upper
50 100
52 22.9 26.4 39.6#

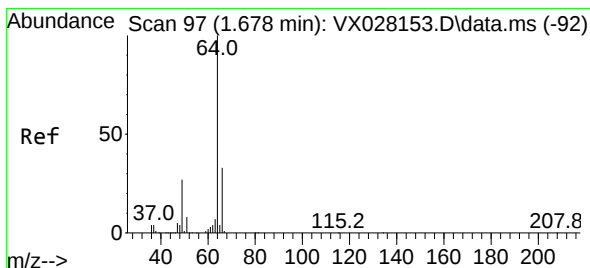
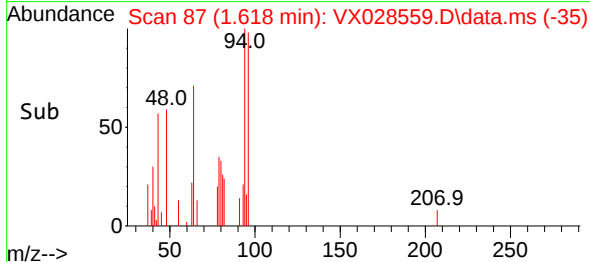
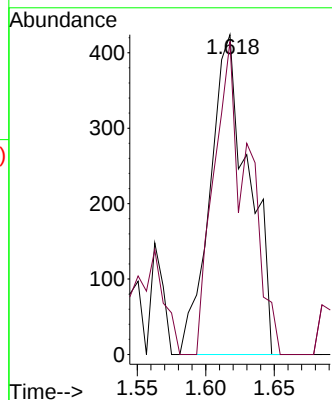
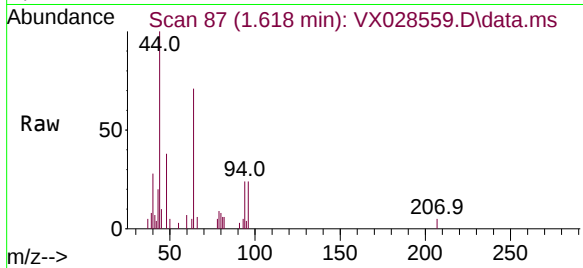




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

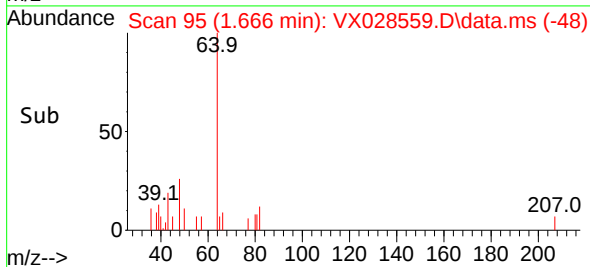
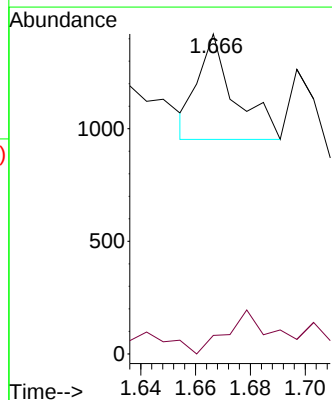
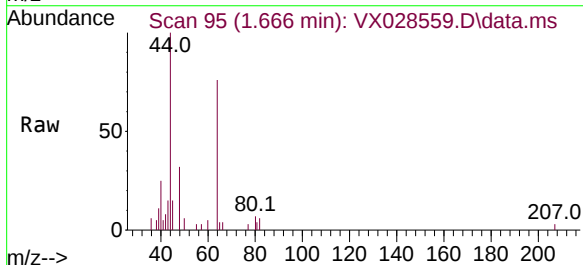
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

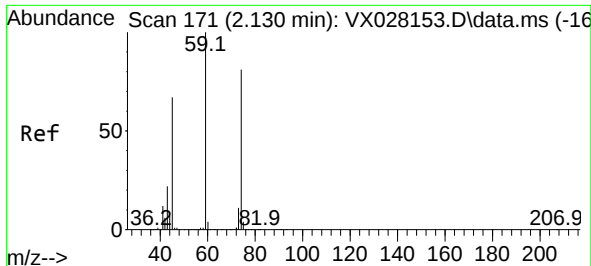
Tgt Ion: 94 Resp: 827
Ion Ratio Lower Upper
94 100
96 97.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.012 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion: 64 Resp: 432
Ion Ratio Lower Upper
64 100
66 4.5 25.3 37.9#

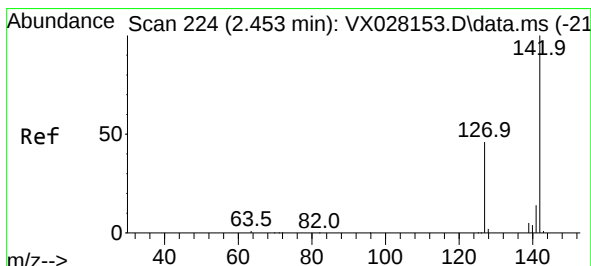
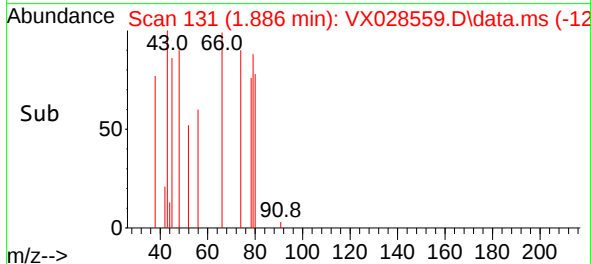
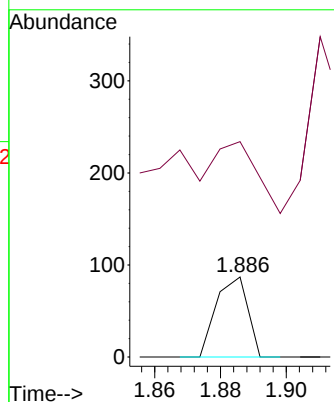
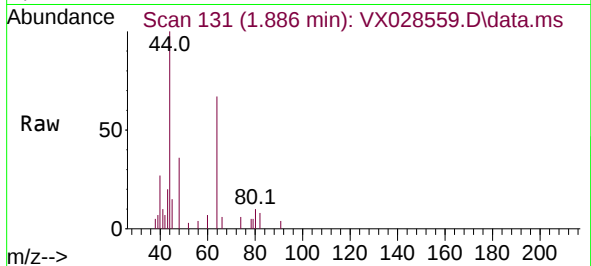




#8
Diethyl Ether
Concen: Below Cal
RT: 1.886 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

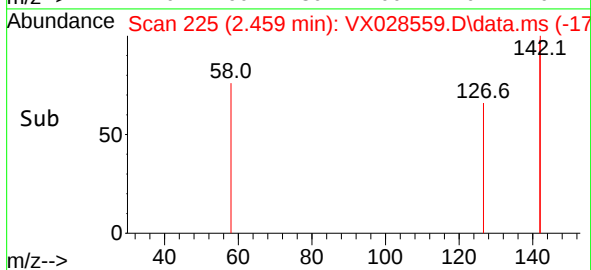
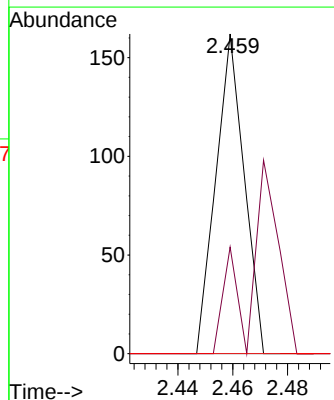
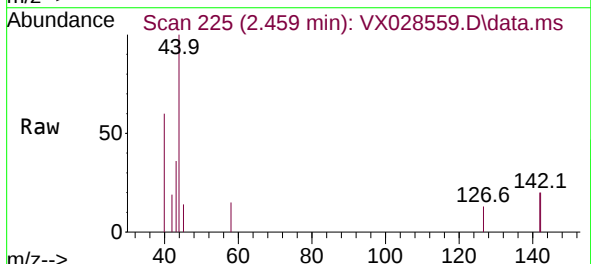
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

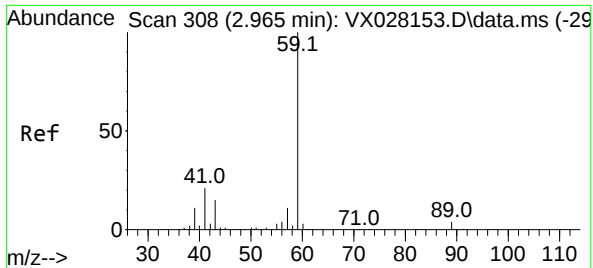
Tgt Ion: 74 Resp: 58
Ion Ratio Lower Upper
74 100
45 0.0 42.0 126.0#



#10
Methyl Iodide
Concen: 5.260 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion:142 Resp: 116
Ion Ratio Lower Upper
142 100
127 64.7 33.9 50.9#
141 0.0 11.4 17.2#

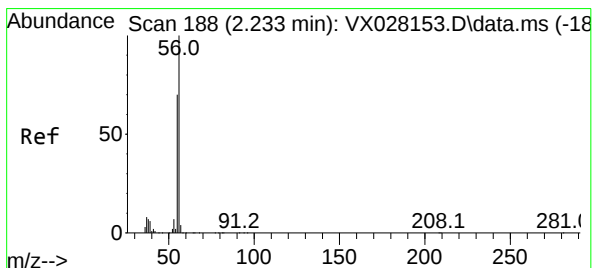
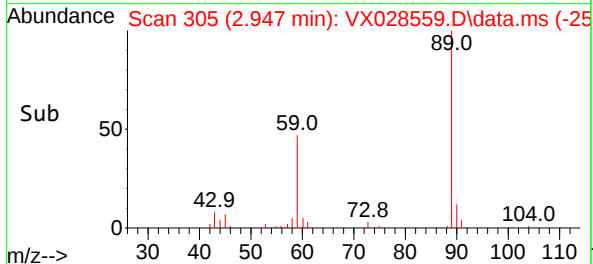
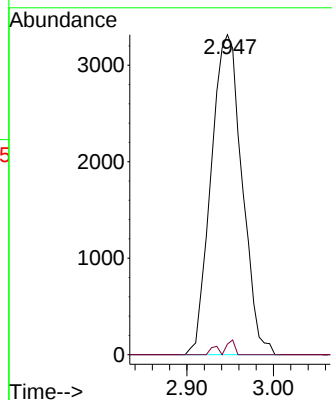
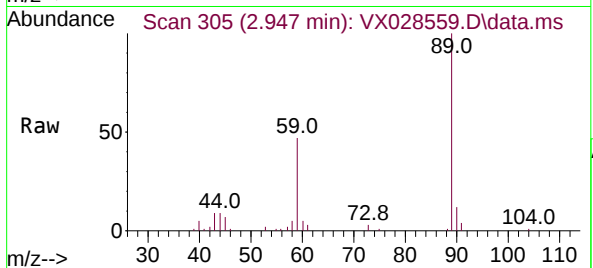




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.947 min Scan# 308
Delta R.T. -0.018 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

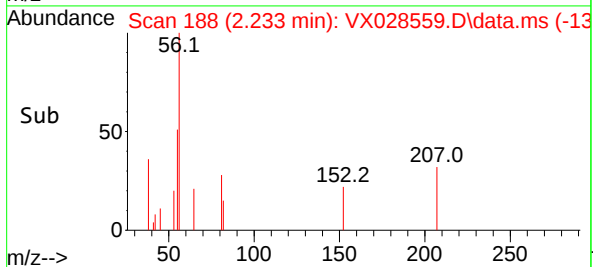
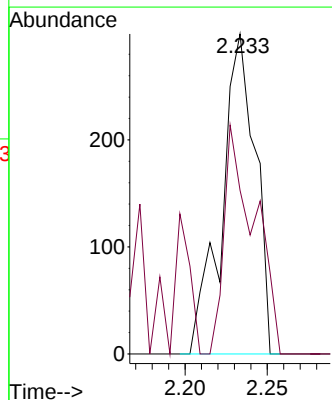
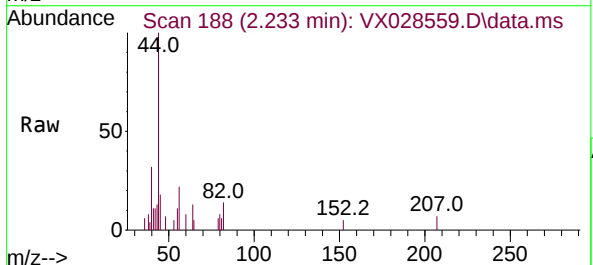
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

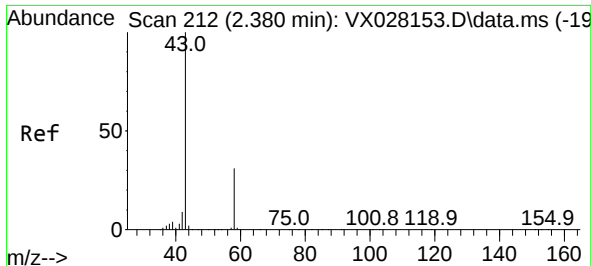
Tgt Ion: 59 Resp: 8232
Ion Ratio Lower Upper
59 100
57 1.2 8.3 12.5#



#13
Acrolein
Concen: 0.712 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion: 56 Resp: 424
Ion Ratio Lower Upper
56 100
55 64.9 55.0 82.6

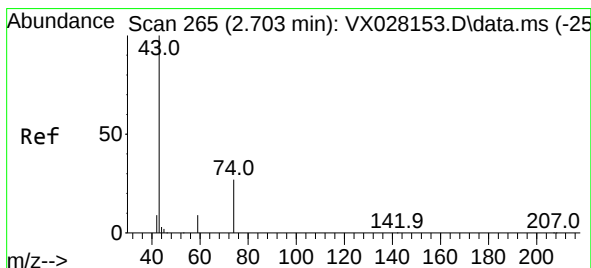
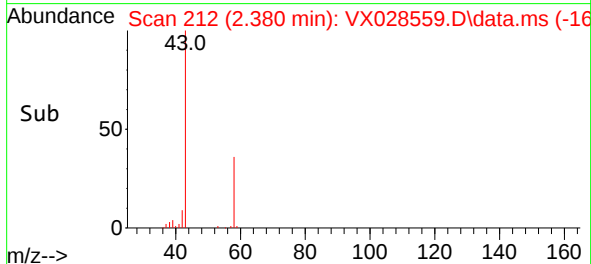
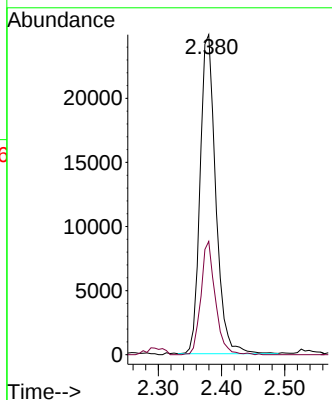
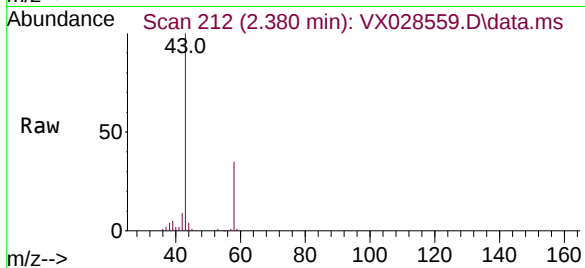




#16
Acetone
Concen: 27.668 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

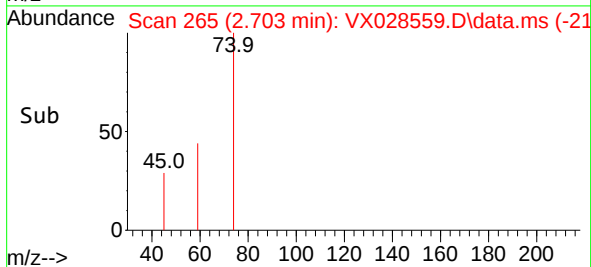
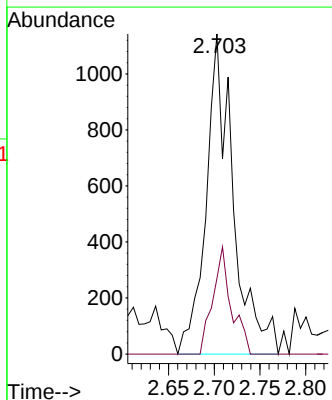
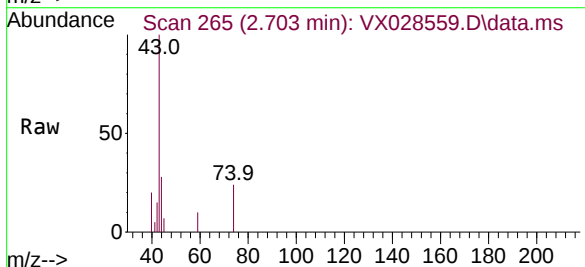
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

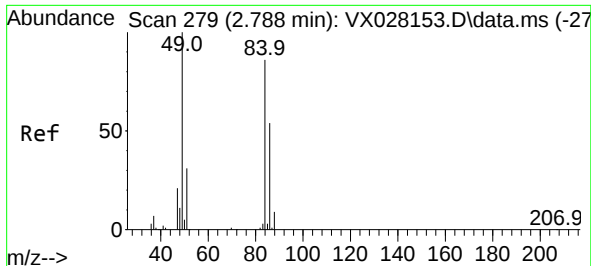
Tgt Ion: 43 Resp: 42933
Ion Ratio Lower Upper
43 100
58 35.5 28.8 43.2



#18
Methyl Acetate
Concen: 0.545 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion: 43 Resp: 2357
Ion Ratio Lower Upper
43 100
74 22.9 22.8 34.2





#20

Methylene Chloride

Concen: 2.746 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.000 min

Lab File: VX028559.D

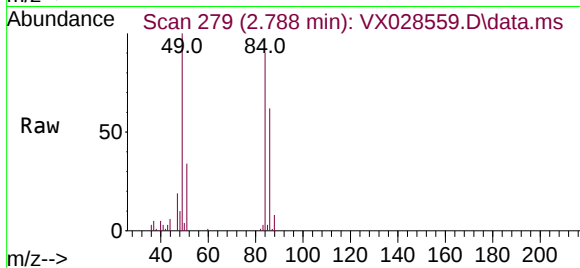
Acq: 06 May 2022 18:52

Instrument :

MSVOA_X

ClientSampleId :

MMC-PIT3



Tgt Ion: 84 Resp: 9905

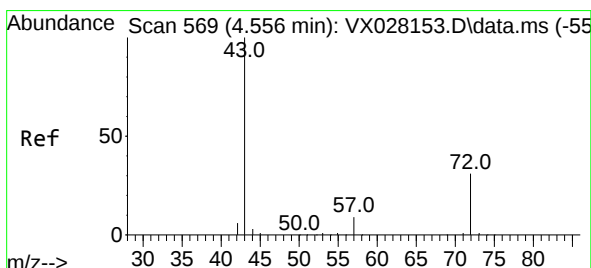
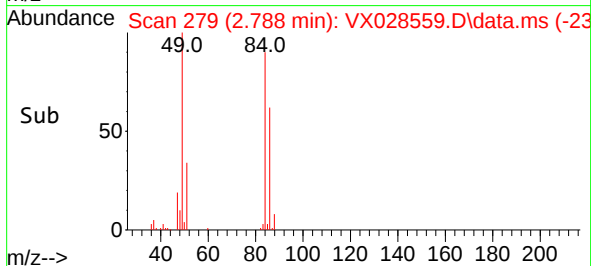
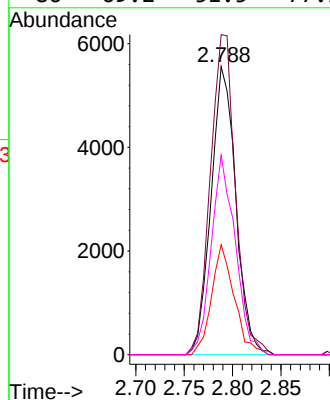
Ion Ratio Lower Upper

84 100

49 111.0 85.5 128.3

51 38.1 26.6 39.8

86 69.2 51.5 77.3



#25

2-Butanone

Concen: 3.458 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX028559.D

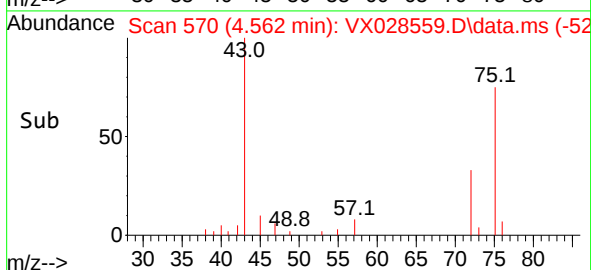
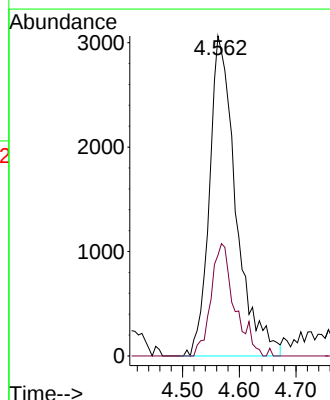
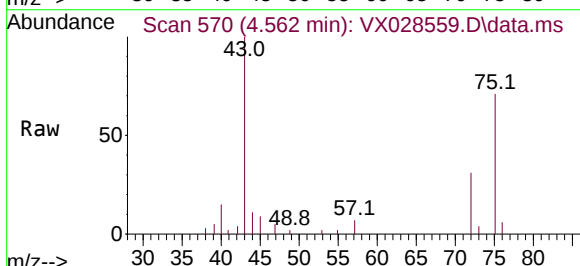
Acq: 06 May 2022 18:52

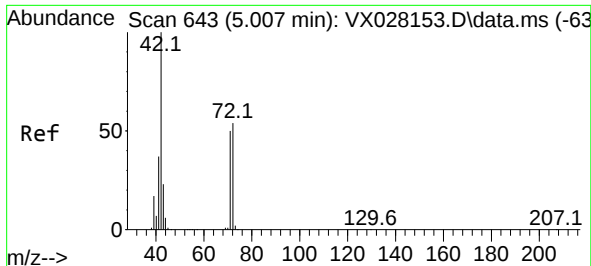
Tgt Ion: 43 Resp: 9958

Ion Ratio Lower Upper

43 100

72 31.5 24.4 36.6





#29

Tetrahydrofuran

Concen: 0.915 ug/l

RT: 5.032 min Scan# 643

Delta R.T. 0.025 min

Lab File: VX028559.D

Acq: 06 May 2022 18:52

Instrument :

MSVOA_X

ClientSampleId :

MMC-PIT3

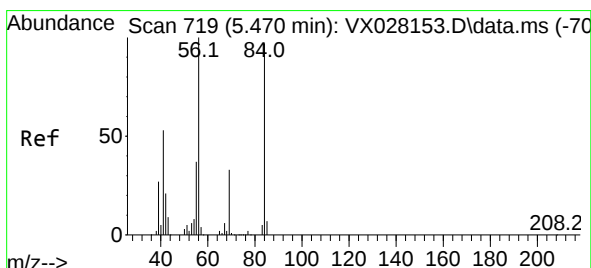
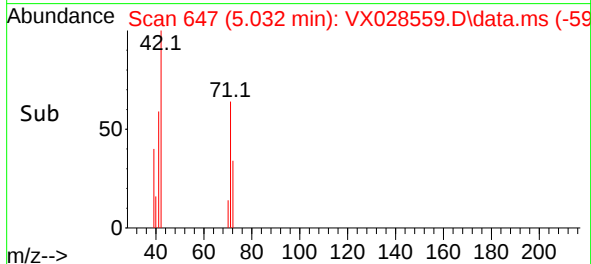
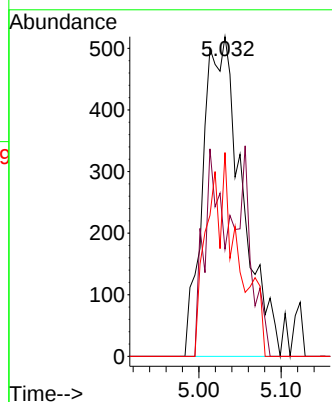
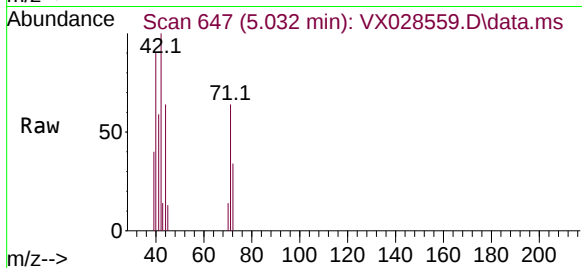
Tgt Ion: 42 Resp: 1718

Ion Ratio Lower Upper

42 100

72 29.0 44.1 66.1#

71 22.5 40.5 60.7#



#31

Cyclohexane

Concen: 1.227 ug/l

RT: 5.550 min Scan# 732

Delta R.T. 0.080 min

Lab File: VX028559.D

Acq: 06 May 2022 18:52

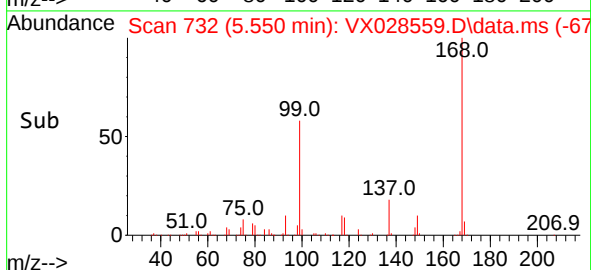
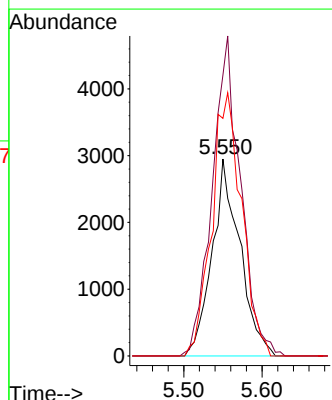
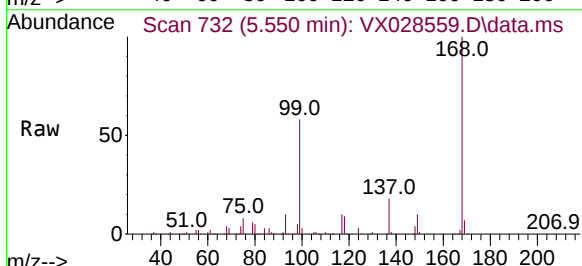
Tgt Ion: 56 Resp: 7270

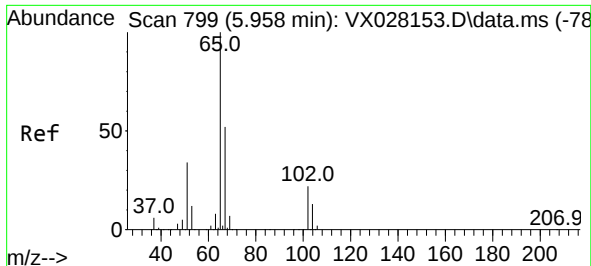
Ion Ratio Lower Upper

56 100

69 142.6 26.7 40.1#

84 120.7 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 55.903 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX028559.D

Acq: 06 May 2022 18:52

Instrument :

MSVOA_X

ClientSampleId :

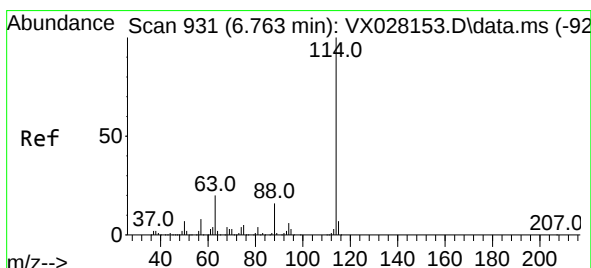
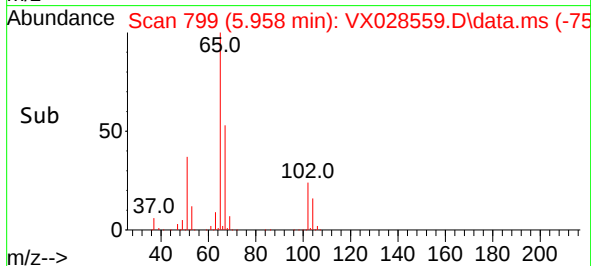
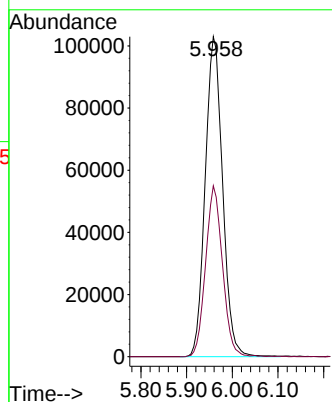
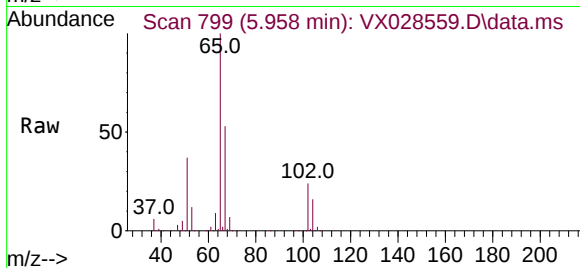
MMC-PIT3

Tgt Ion: 65 Resp: 271816

Ion Ratio Lower Upper

65 100

67 51.9 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: VX028559.D

Acq: 06 May 2022 18:52

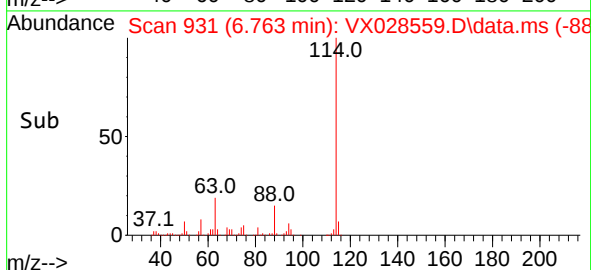
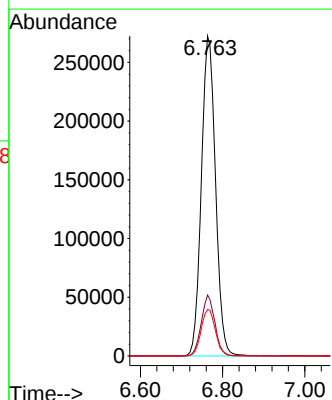
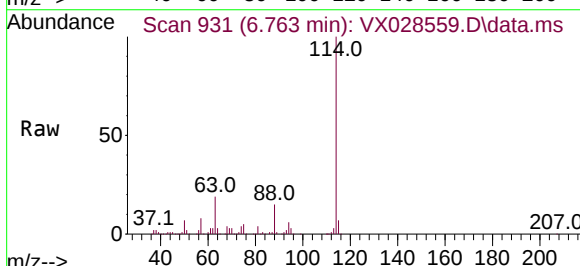
Tgt Ion: 114 Resp: 650282

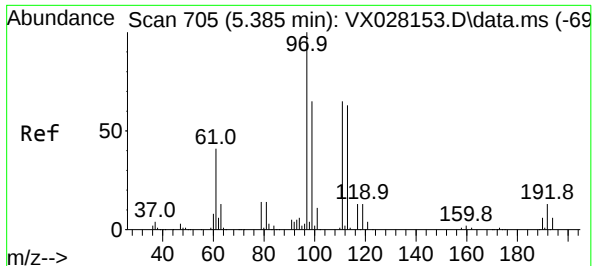
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.8

88 14.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 54.875 ug/l

RT: 5.391 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX028559.D

Acq: 06 May 2022 18:52

Instrument :

MSVOA_X

ClientSampleId :

MMC-PIT3

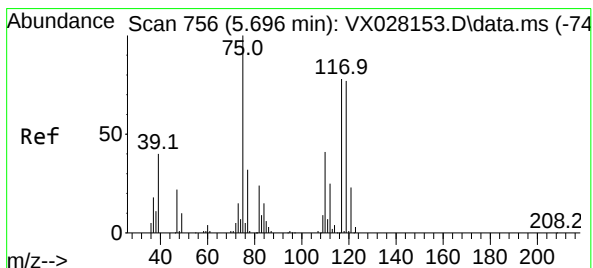
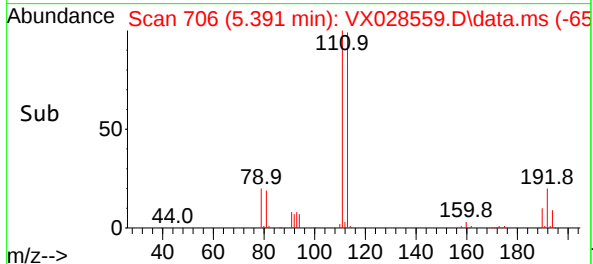
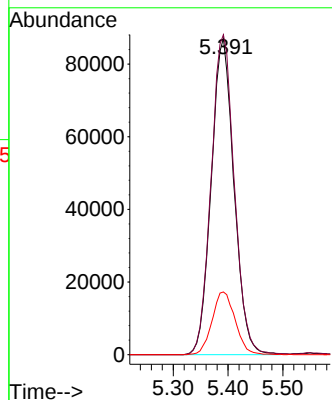
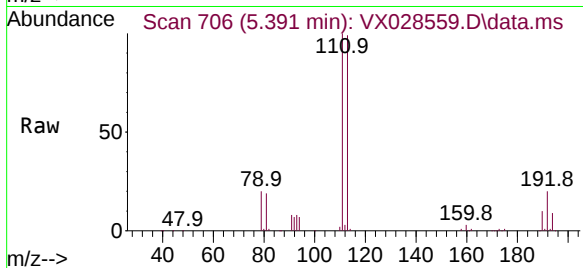
Tgt Ion:113 Resp: 250250

Ion Ratio Lower Upper

113 100

111 103.5 82.8 124.2

192 20.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.575 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX028559.D

Acq: 06 May 2022 18:52

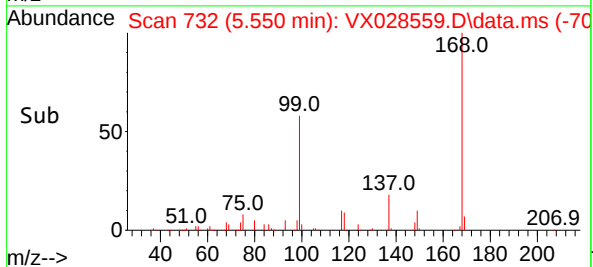
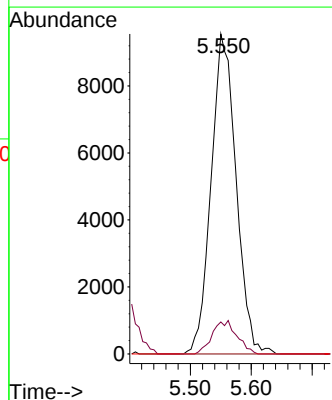
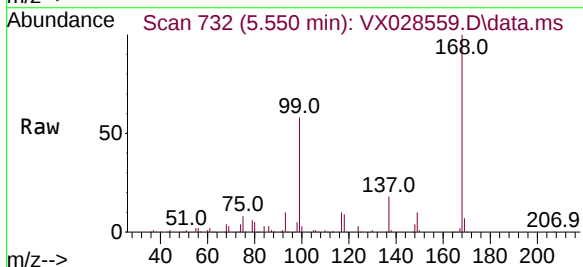
Tgt Ion: 75 Resp: 27217

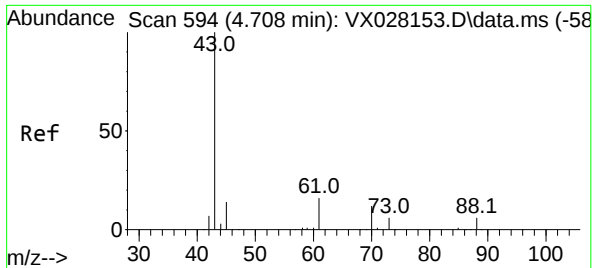
Ion Ratio Lower Upper

75 100

110 10.3 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 1.650 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.146 min

Lab File: VX028559.D

Acq: 06 May 2022 18:52

Instrument :

MSVOA_X

ClientSampleId :

MMC-PIT3

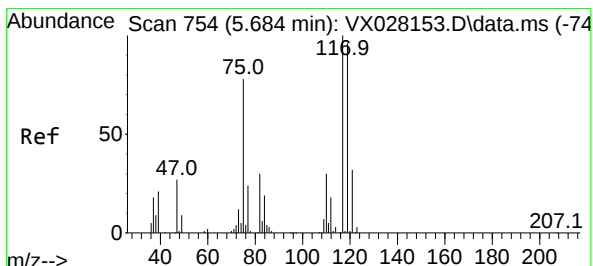
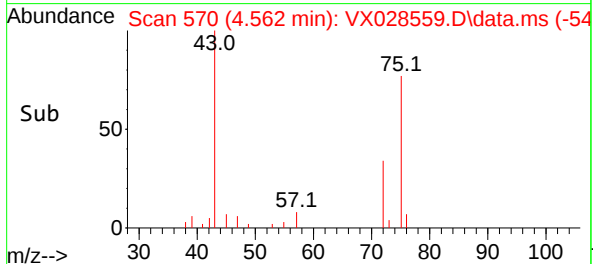
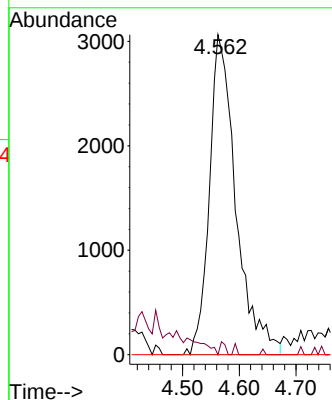
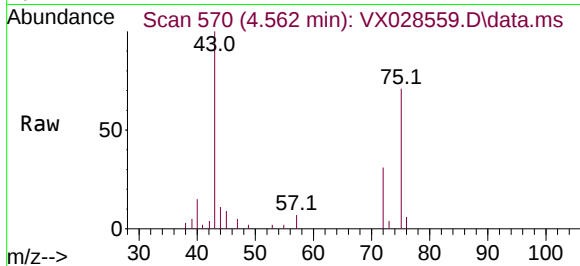
Tgt Ion: 43 Resp: 9958

Ion Ratio Lower Upper

43 100

61 0.8 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.475 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.128 min

Lab File: VX028559.D

Acq: 06 May 2022 18:52

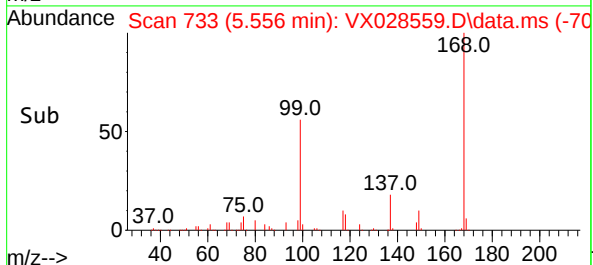
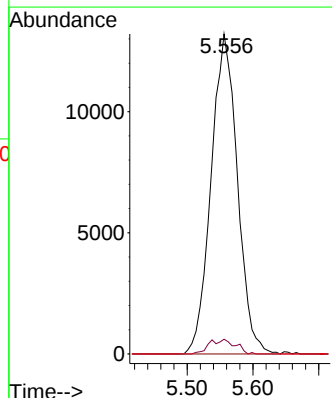
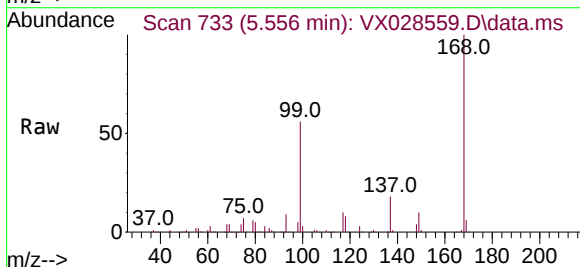
Tgt Ion: 117 Resp: 36765

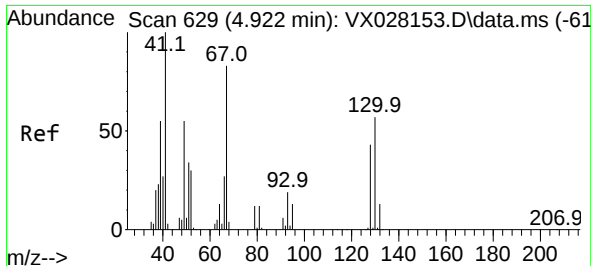
Ion Ratio Lower Upper

117 100

119 4.6 77.3 115.9#

121 0.0 24.2 36.2#

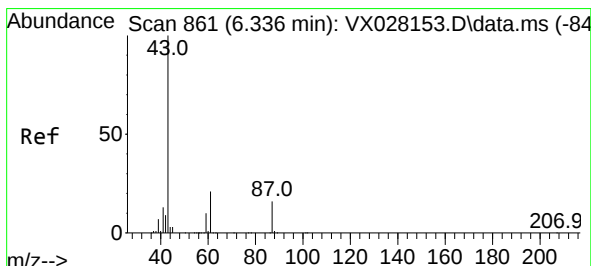
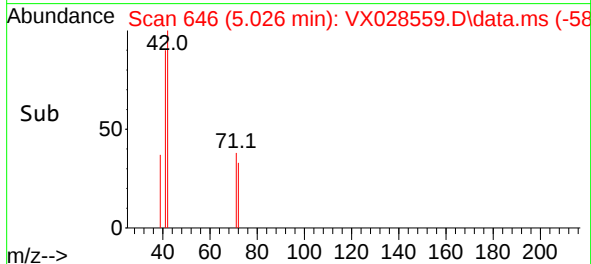
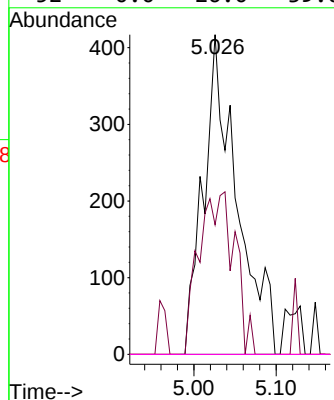
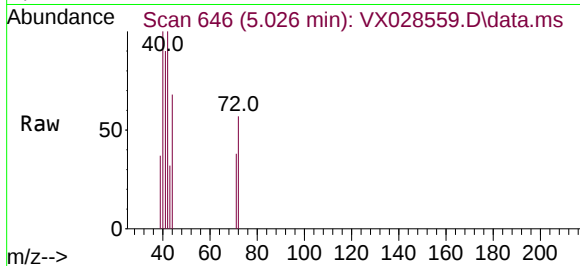




#41
Methacrylonitrile
Concen: 0.380 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.104 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

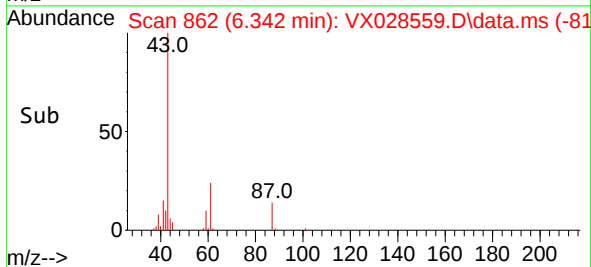
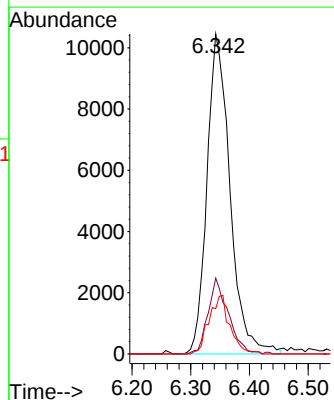
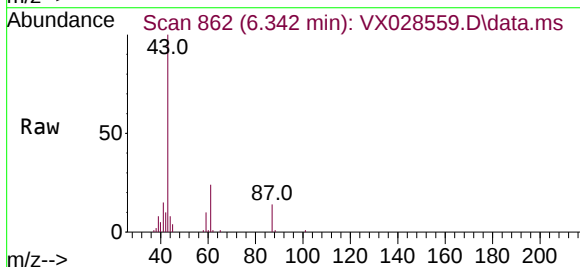
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

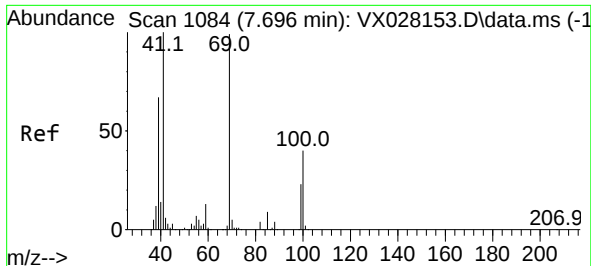
Tgt Ion: 41	Resp: 1182
Ion Ratio	Lower Upper
41 100	
39 27.7	43.0 64.4#
67 0.0	70.2 105.4#
52 0.0	26.0 39.0#



#43
Isopropyl Acetate
Concen: 2.899 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.006 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion: 43	Resp: 28474
Ion Ratio	Lower Upper
43 100	
61 20.9	18.5 27.7
87 16.6	13.0 19.6

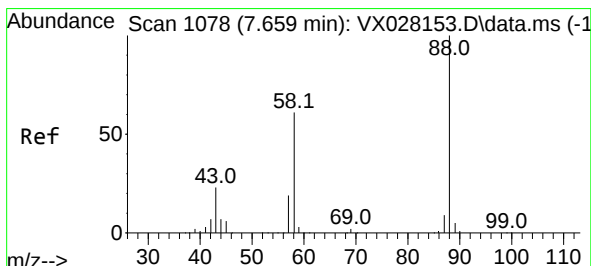
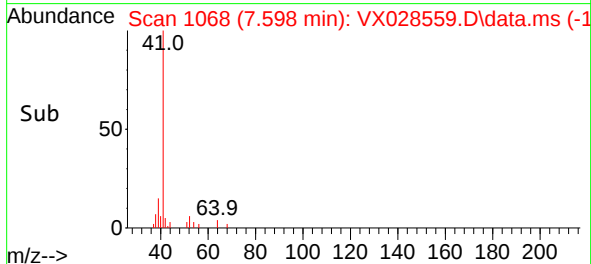
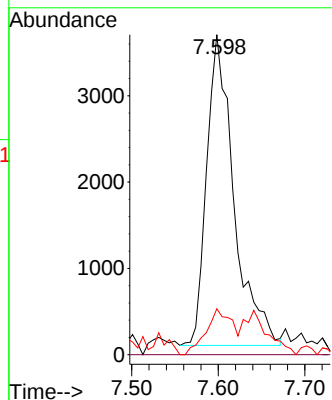
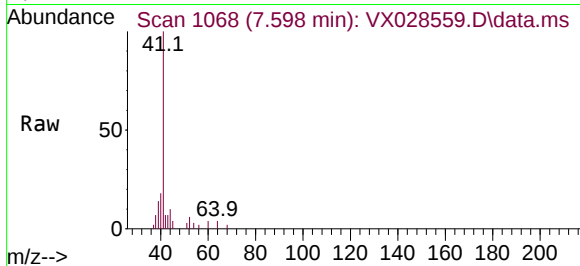




#48
Methyl methacrylate
Concen: 1.748 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

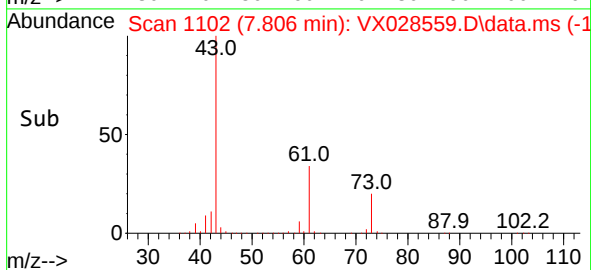
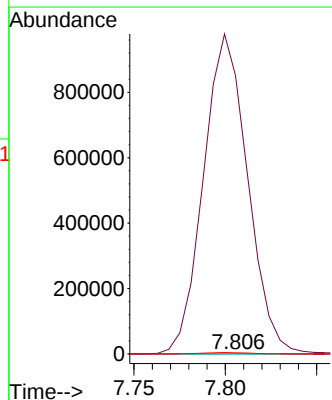
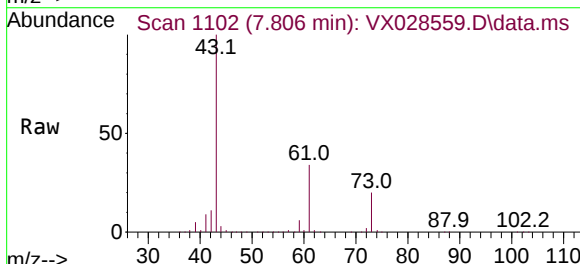
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

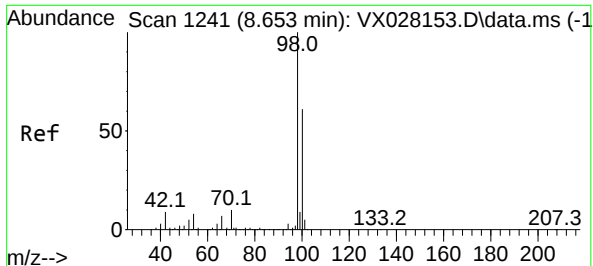
Tgt Ion: 41 Resp: 7882
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 3.597 ug/l
RT: 7.806 min Scan# 1102
Delta R.T. 0.147 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion: 88 Resp: 434
Ion Ratio Lower Upper
88 100
43 381262.0 21.9 32.9#
58 1815.4 53.7 80.5#

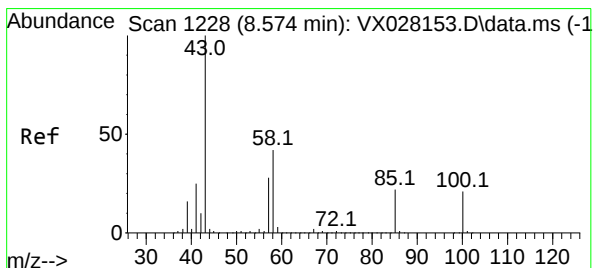
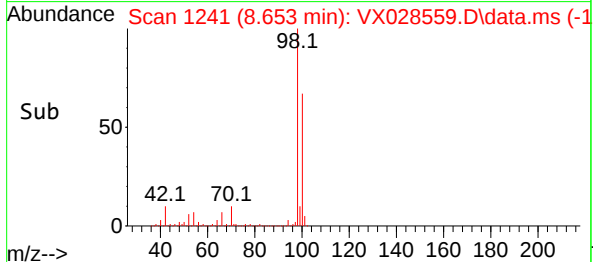
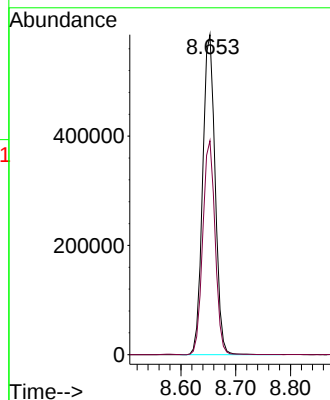
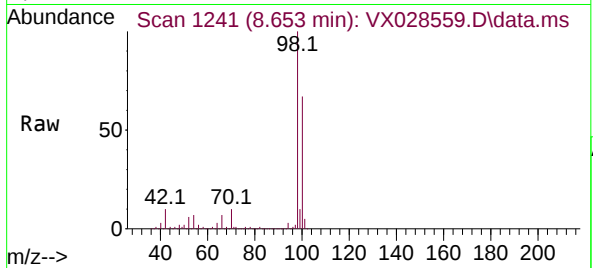




#50
Toluene-d8
Concen: 52.599 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

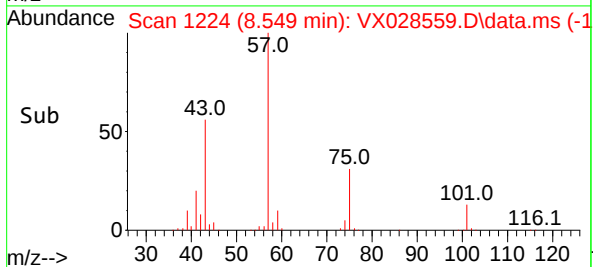
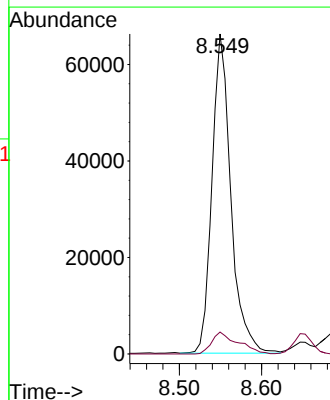
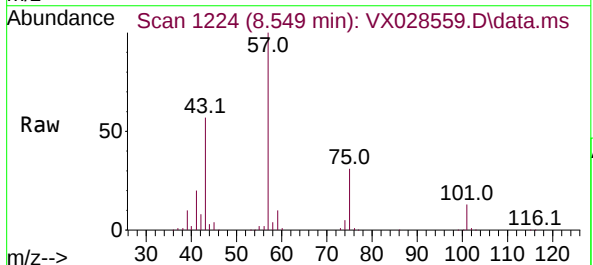
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

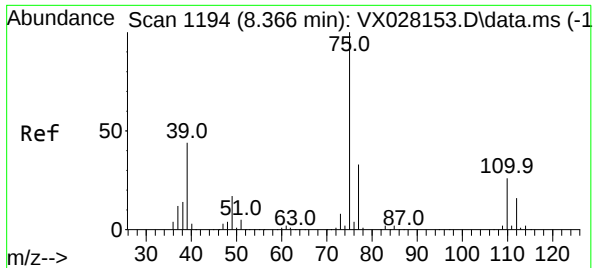
Tgt Ion: 98 Resp: 921297
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.751 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.025 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion: 43 Resp: 105595
Ion Ratio Lower Upper
43 100
58 9.5 36.1 54.1#

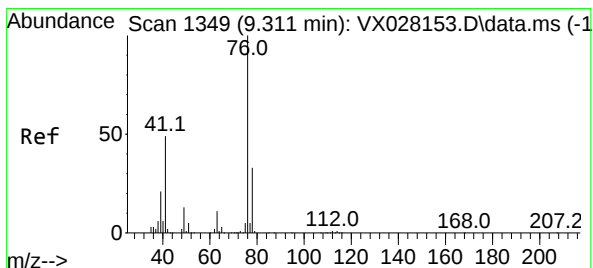
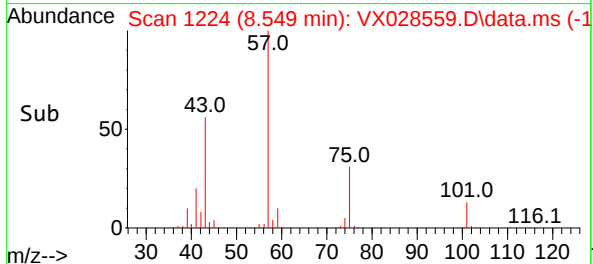
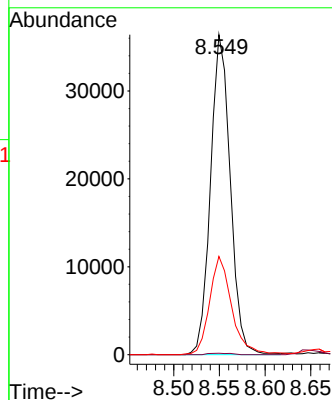
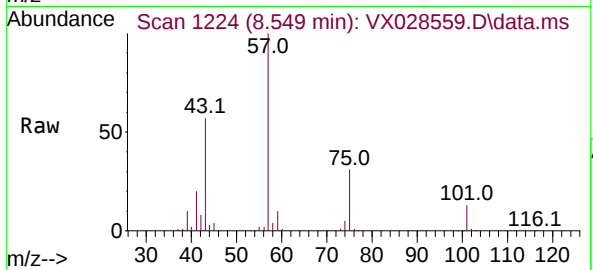




#54
 cis-1,3-Dichloropropene
 Concen: 7.449 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX028559.D
 Acq: 06 May 2022 18:52

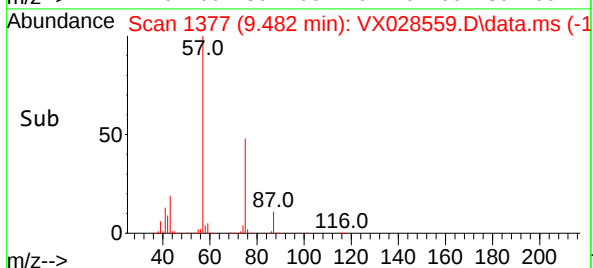
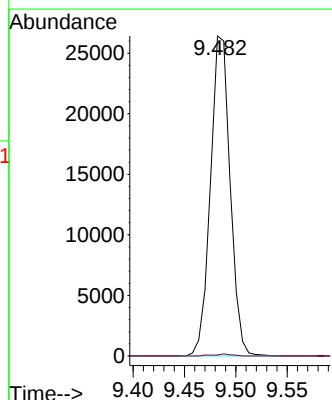
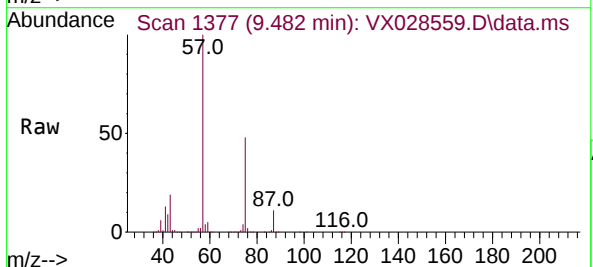
Instrument :
 MSVOA_X
 ClientSampleId :
 MMC-PIT3

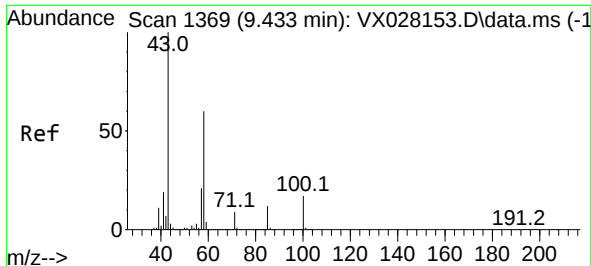
Tgt Ion: 75 Resp: 54629
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.8 37.2#
 39 30.7 29.6 44.4



#57
 1,3-Dichloropropane
 Concen: 4.451 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX028559.D
 Acq: 06 May 2022 18:52

Tgt Ion: 76 Resp: 35312
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.8 38.8#





#59

2-Hexanone

Concen: 82.971 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX028559.D

Acq: 06 May 2022 18:52

Instrument :

MSVOA_X

ClientSampleId :

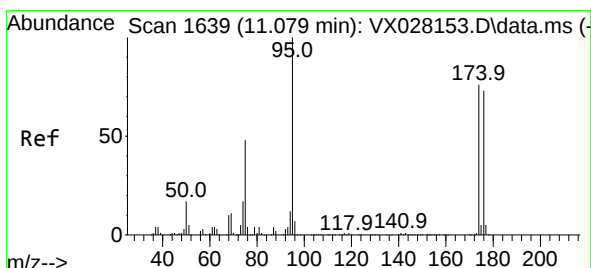
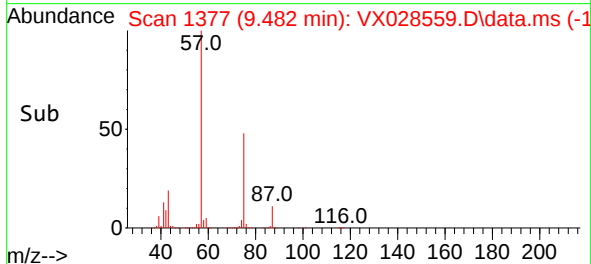
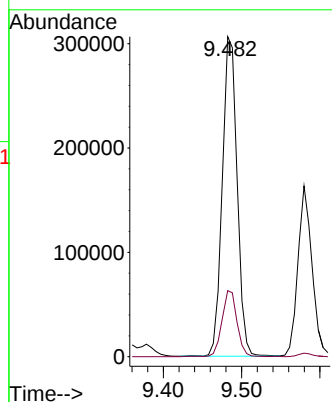
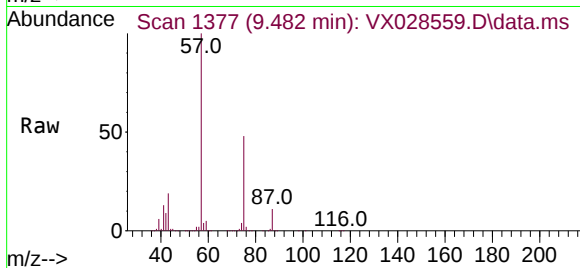
MMC-PIT3

Tgt Ion: 43 Resp: 405155

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 51.091 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX028559.D

Acq: 06 May 2022 18:52

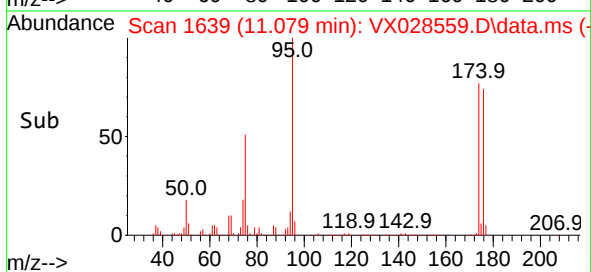
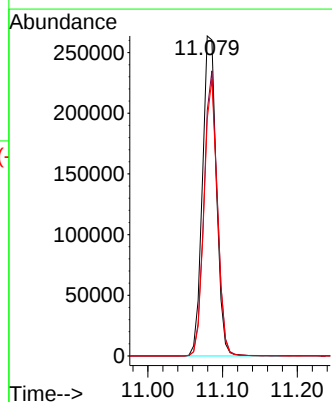
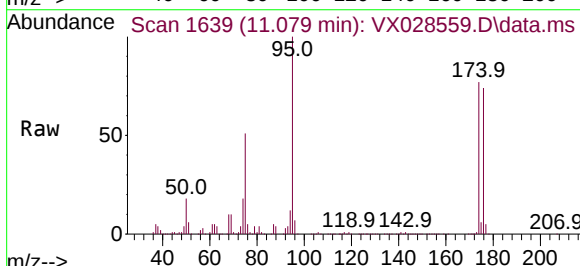
Tgt Ion: 95 Resp: 342169

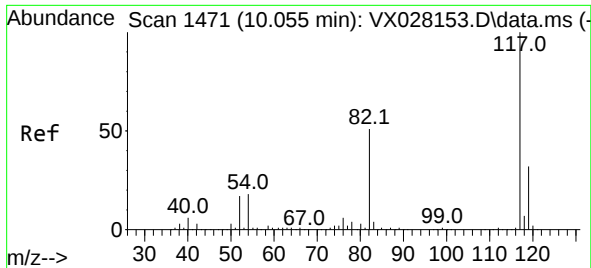
Ion Ratio Lower Upper

95 100

174 85.4 0.0 163.0

176 82.5 0.0 155.0

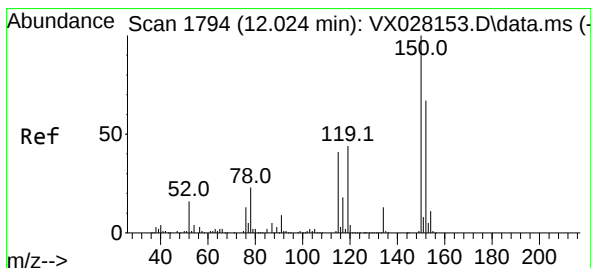
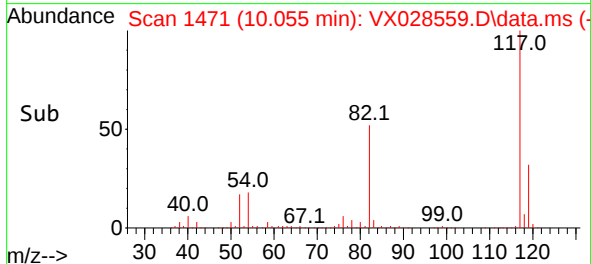
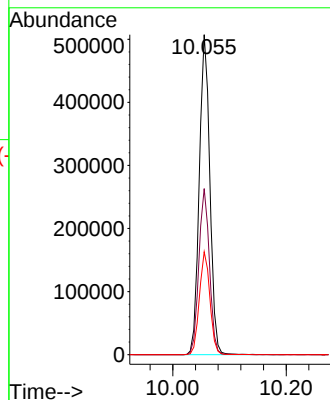
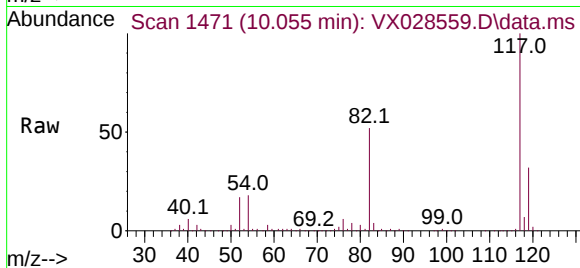




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

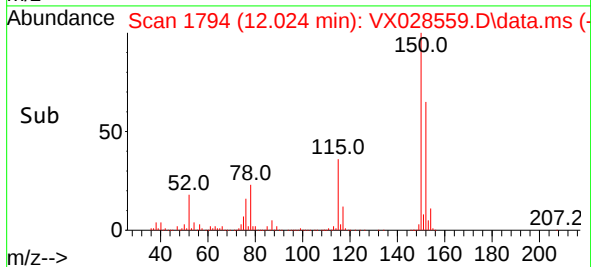
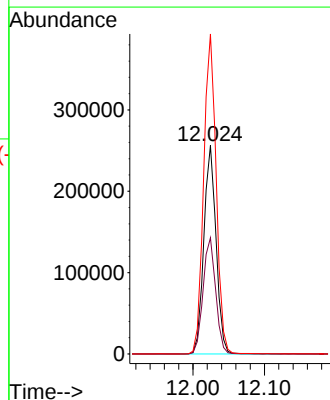
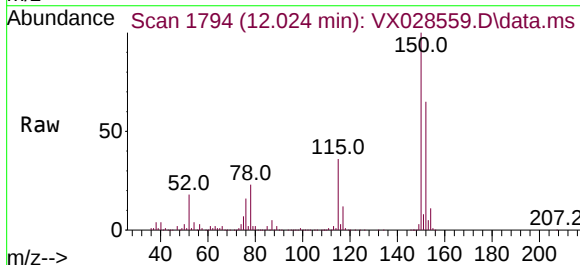
Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

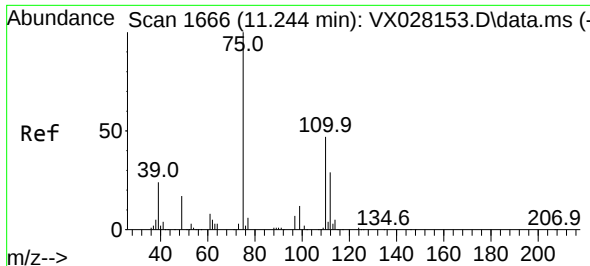
Tgt Ion:117 Resp: 655920
Ion Ratio Lower Upper
117 100
82 51.9 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion:152 Resp: 304605
Ion Ratio Lower Upper
152 100
115 57.4 37.5 112.7
150 156.8 0.0 338.2

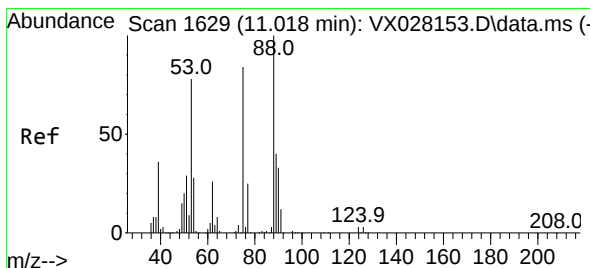
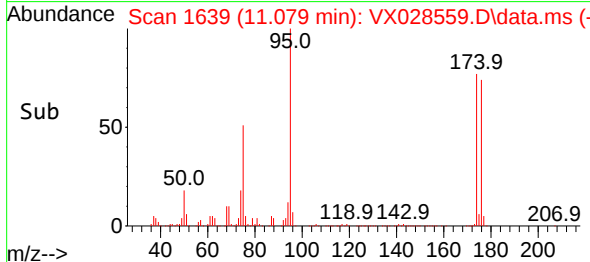
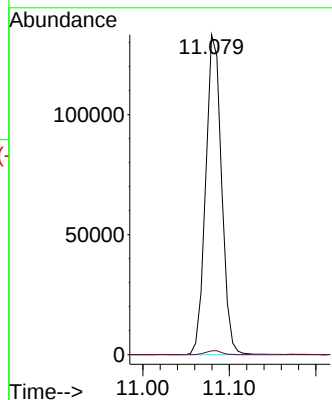
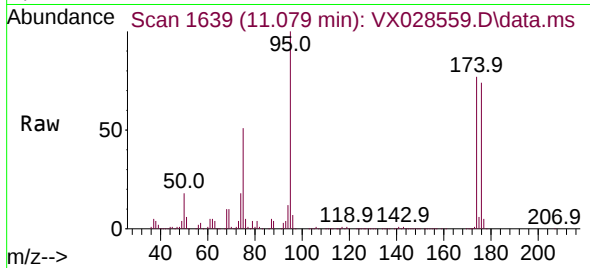




#76
1,2,3-Trichloropropane
Concen: 28.328 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Instrument :
MSVOA_X
ClientSampleId :
MMC-PIT3

Tgt Ion: 75 Resp: 169820
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.183 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028559.D
Acq: 06 May 2022 18:52

Tgt Ion: 75 Resp: 169820
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

