

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073848.D
 Acq On : 12 Aug 2022 13:46
 Operator : JC\MD
 Sample : N4156-09 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FMC-0070

Quant Time: Aug 13 05:02:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

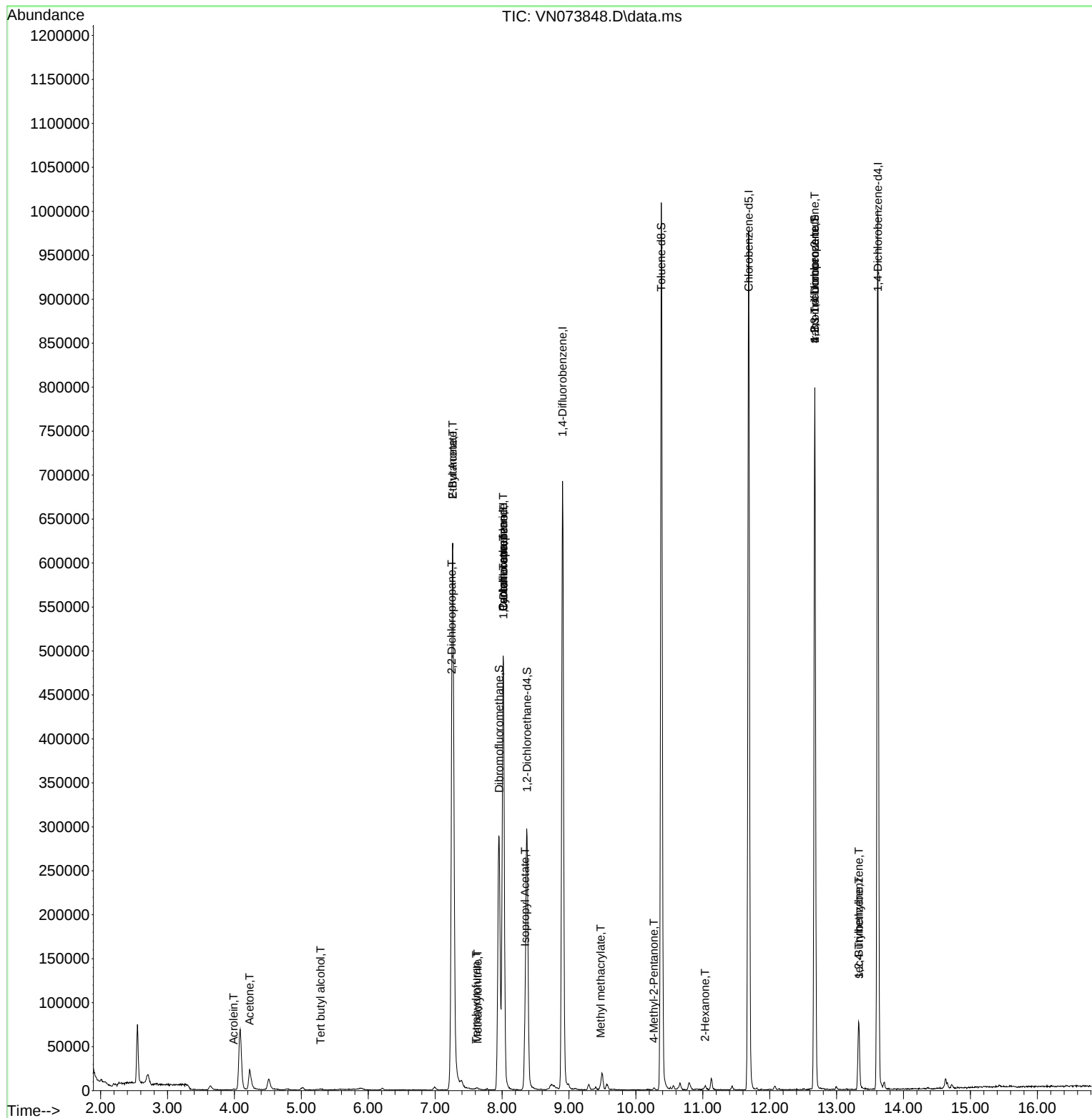
Internal Standards						
1) Pentafluorobenzene	8.016	168	410041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	633976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	591085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	289434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	232899	46.608	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.220%		
35) Dibromofluoromethane	7.957	113	220906	55.491	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	110.980%		
50) Toluene-d8	10.380	98	700289	44.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.400%		
62) 4-Bromofluorobenzene	12.674	95	257792	47.048	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.100%		
Target Compounds						Qvalue
3) Chloromethane	2.263	50	972	Below Cal	#	76
6) Chloroethane	2.957	64	168	Below Cal	#	42
11) Tert butyl alcohol	5.287	59	1949	1.809	ug/l #	80
13) Acrolein	3.987	56	840	0.786	ug/l	99
16) Acetone	4.228	43	38906	14.496	ug/l	93
20) Methylene Chloride	5.022	84	2410	Below Cal	#	88
25) 2-Butanone	7.263	43	1029748	247.055	ug/l	100
26) 2,2-Dichloropropane	7.245	77	1988	0.313	ug/l #	53
29) Tetrahydrofuran	7.616	42	1035	0.393	ug/l #	19
31) Cyclohexane	8.016	56	7213	0.970	ug/l #	21
36) 1,1-Dichloropropene	8.022	75	29466	5.193	ug/l #	49
37) Ethyl Acetate	7.263	43	1029748	137.810	ug/l #	67
38) Carbon Tetrachloride	8.016	117	37067	6.432	ug/l #	17
41) Methacrylonitrile	7.634	41	722	0.214	ug/l #	16
43) Isopropyl Acetate	8.345	43	43137	4.274	ug/l #	53
48) Methyl methacrylate	9.475	41	2684	0.608	ug/l #	10
51) 4-Methyl-2-Pentanone	10.269	43	1827	0.252	ug/l #	71
59) 2-Hexanone	11.033	43	2226	0.406	ug/l #	45
76) 1,2,3-Trichloropropane	12.674	75	128305	22.420	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	128305	57.448	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.333	105	30824	1.798	ug/l #	30
85) sec-Butylbenzene	13.333	105	30824	1.444	ug/l #	56

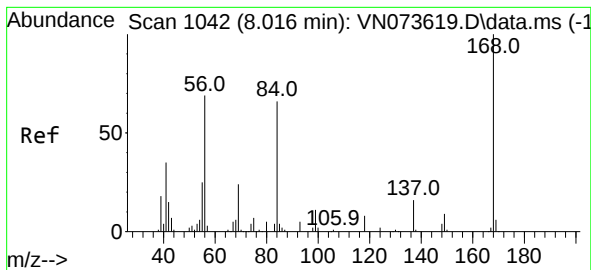
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

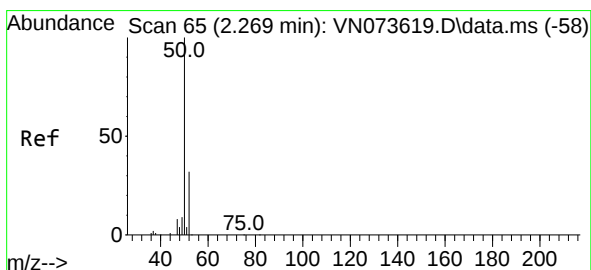
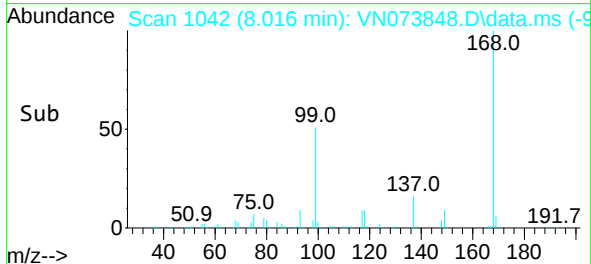
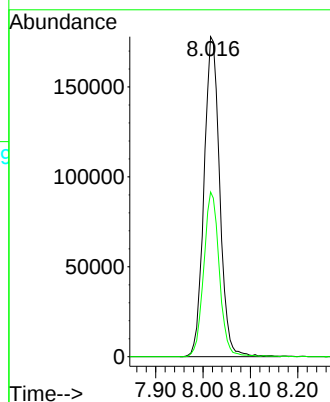
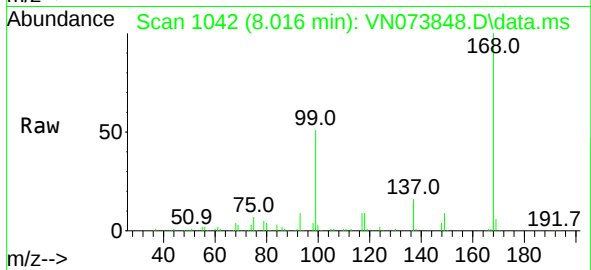




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

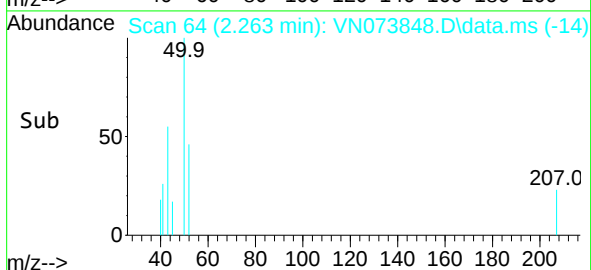
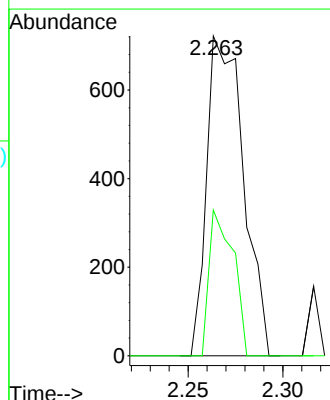
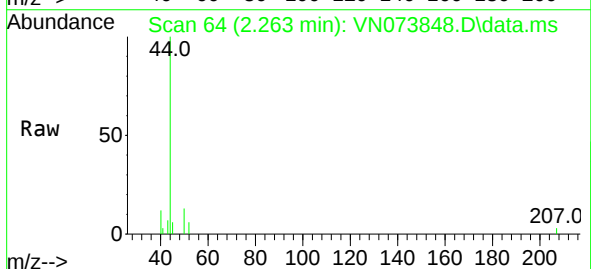
Instrument :
MSVOA_N
ClientSampleId :
FMC-0070

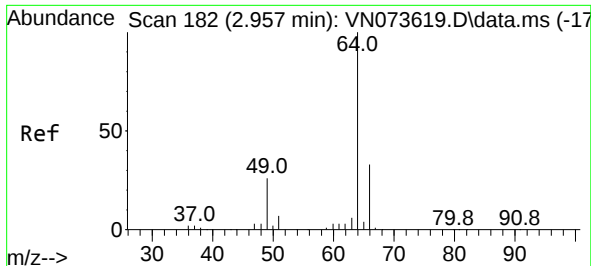
Tgt Ion:168 Resp: 410041
Ion Ratio Lower Upper
168 100
99 51.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion: 50 Resp: 972
Ion Ratio Lower Upper
50 100
52 45.6 25.7 38.5#

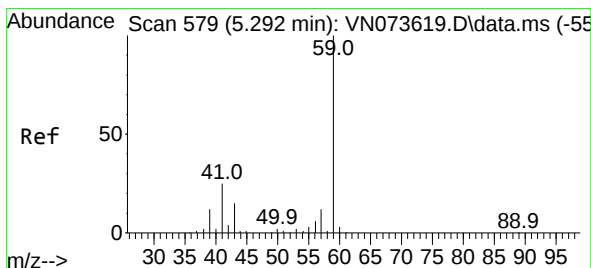
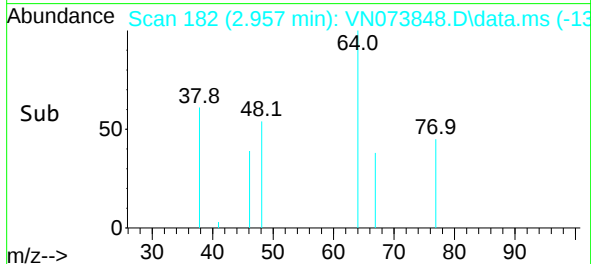
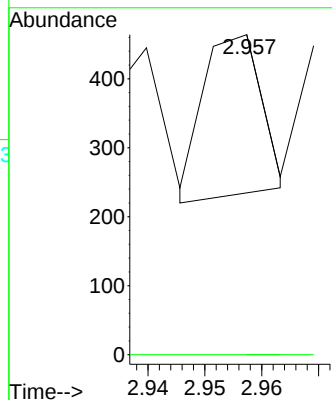
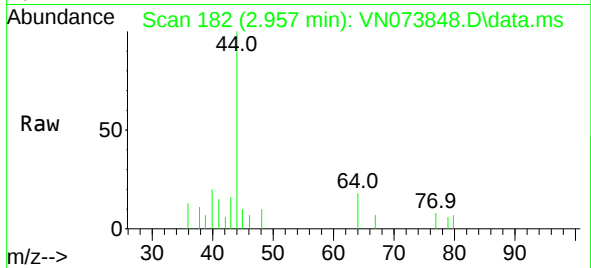




#6
Chloroethane
Concen: Below Cal
RT: 2.957 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

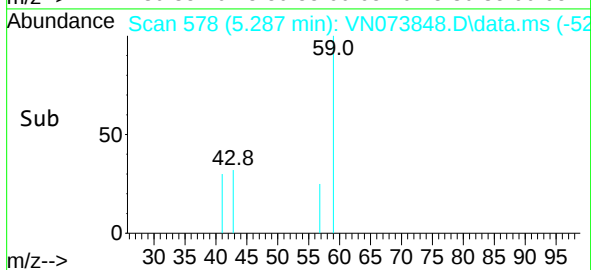
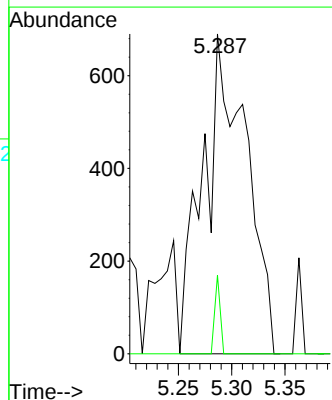
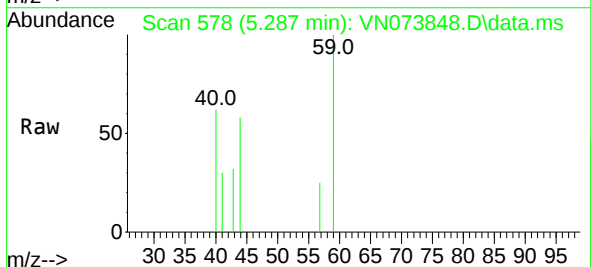
Instrument :
MSVOA_N
ClientSampleId :
FMC-0070

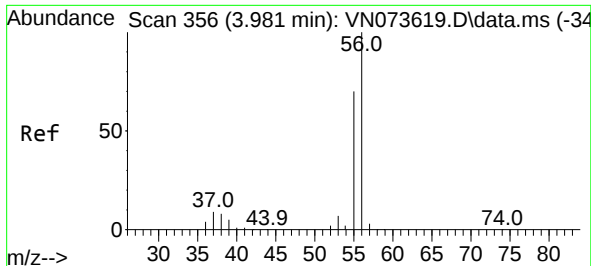
Tgt Ion: 64 Resp: 168
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.809 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion: 59 Resp: 1949
Ion Ratio Lower Upper
59 100
57 3.1 8.3 12.5#





#13

Acrolein

Concen: 0.786 ug/l

RT: 3.987 min Scan# 3

Delta R.T. 0.006 min

Lab File: VN073848.D

Acq: 12 Aug 2022 13:46

Instrument :

MSVOA_N

ClientSampleId :

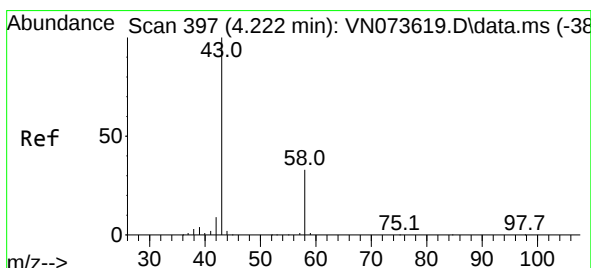
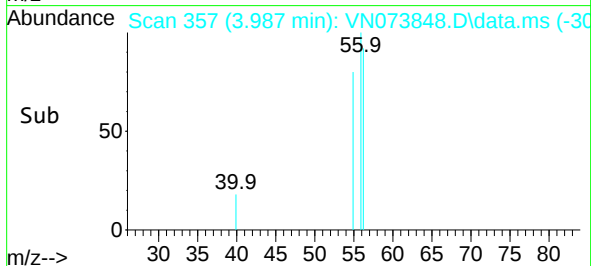
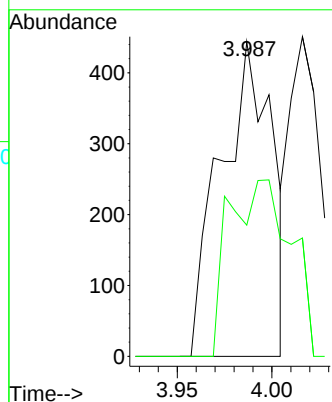
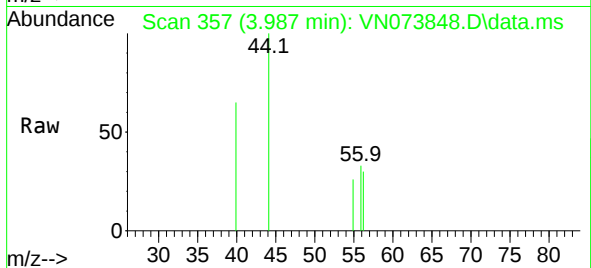
FMC-0070

Tgt Ion: 56 Resp: 840

Ion Ratio Lower Upper

56 100

55 67.4 54.8 82.2



#16

Acetone

Concen: 14.496 ug/l

RT: 4.228 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073848.D

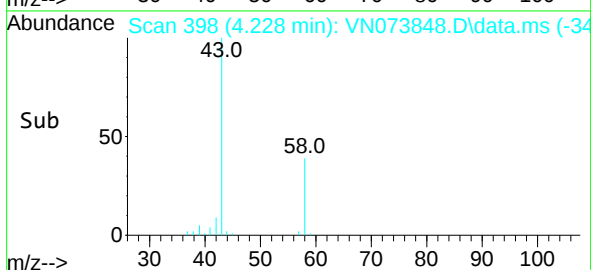
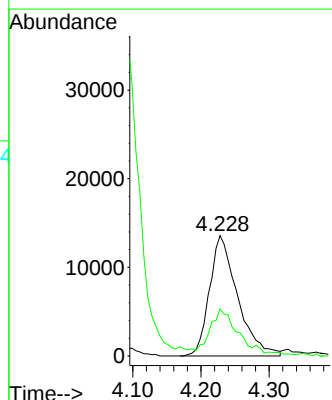
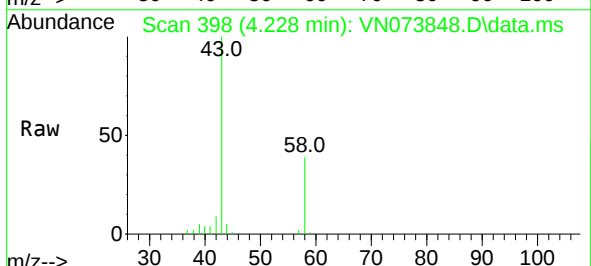
Acq: 12 Aug 2022 13:46

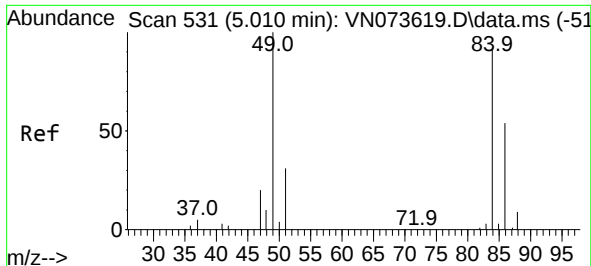
Tgt Ion: 43 Resp: 38906

Ion Ratio Lower Upper

43 100

58 36.3 26.0 39.0



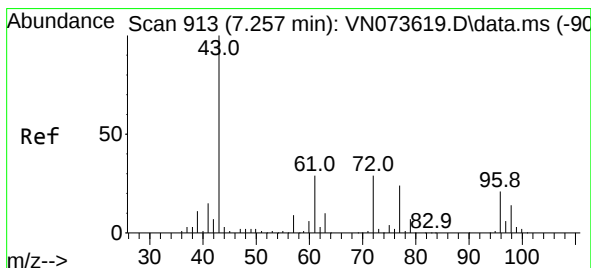
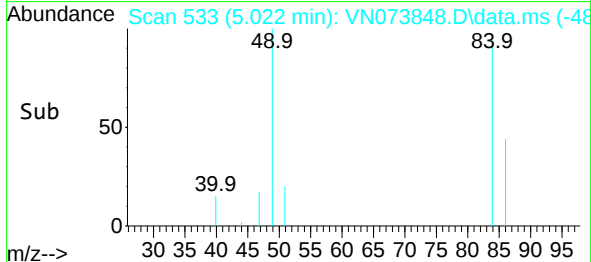
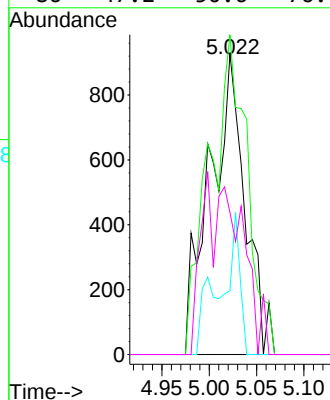
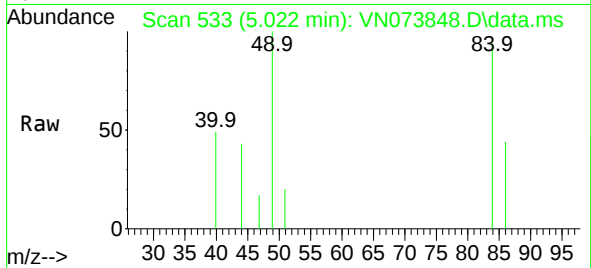


#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :
FMC-0070

Tgt Ion: 84 Resp: 2410

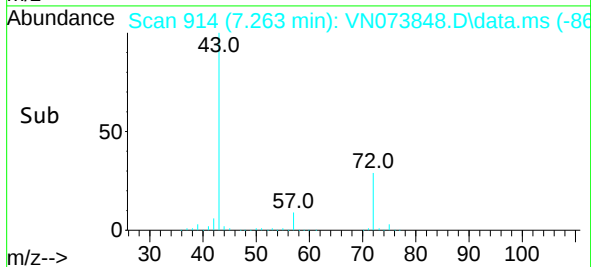
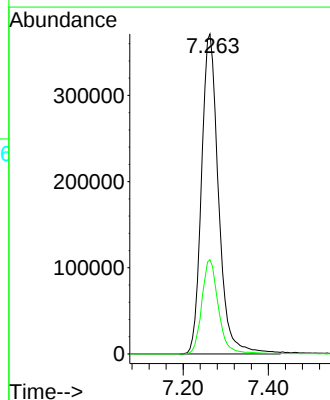
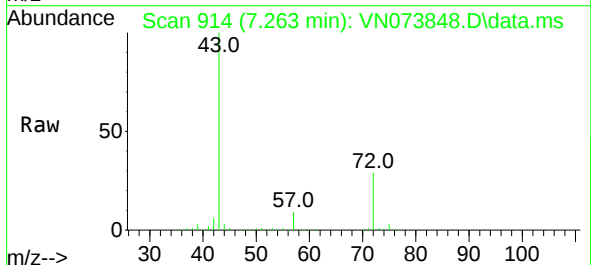
Ion	Ratio	Lower	Upper
84	100		
49	106.4	88.3	132.5
51	21.3	28.2	42.2#
86	47.2	50.6	76.0#

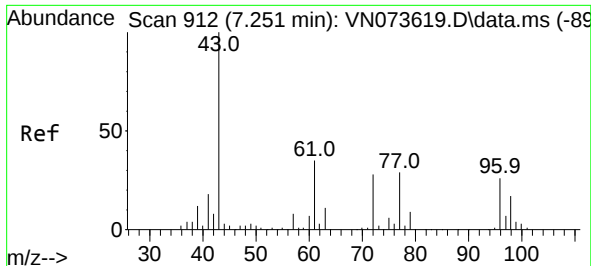


#25
2-Butanone
Concen: 247.055 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion: 43 Resp: 1029748

Ion	Ratio	Lower	Upper
43	100		
72	29.5	23.7	35.5

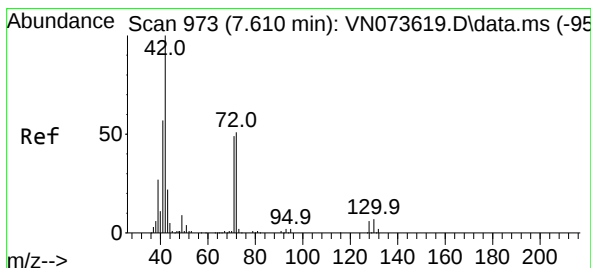
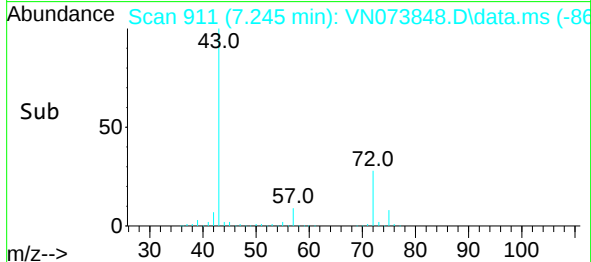
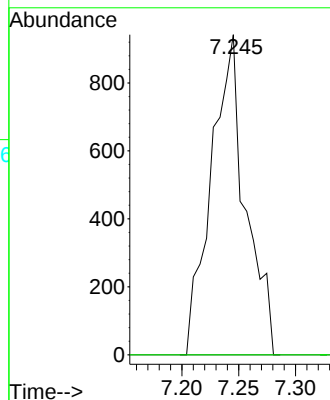
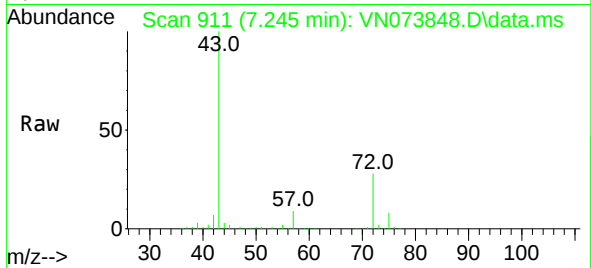




#26
2,2-Dichloropropane
Concen: 0.313 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.006 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

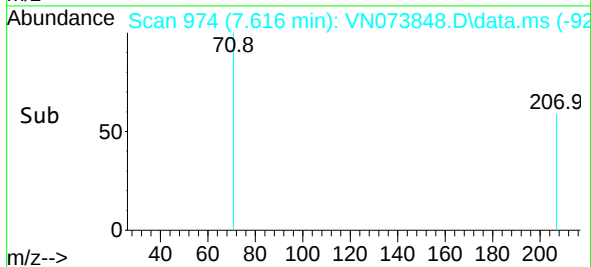
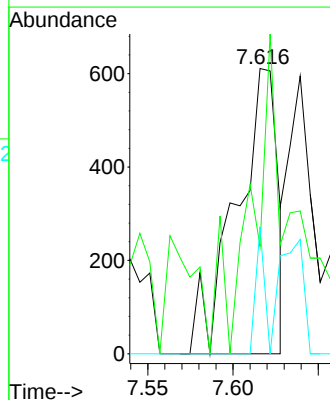
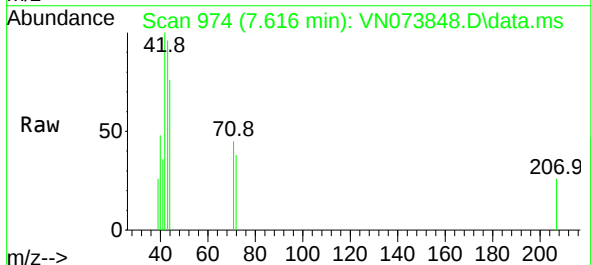
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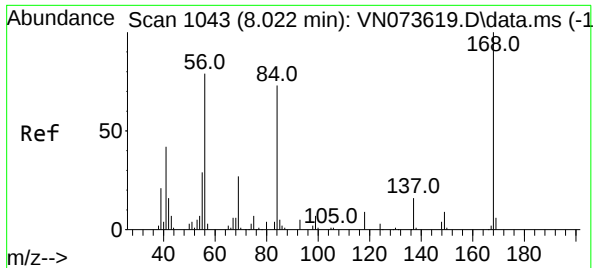
Tgt Ion: 77 Resp: 1988
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.393 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.006 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion: 42 Resp: 1035
Ion Ratio Lower Upper
42 100
72 121.9 39.7 59.5#
71 9.3 36.6 55.0#

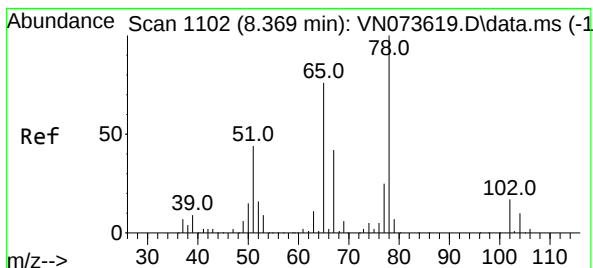
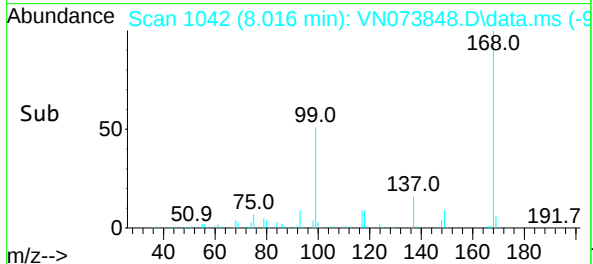
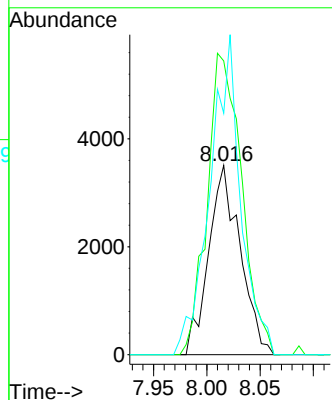
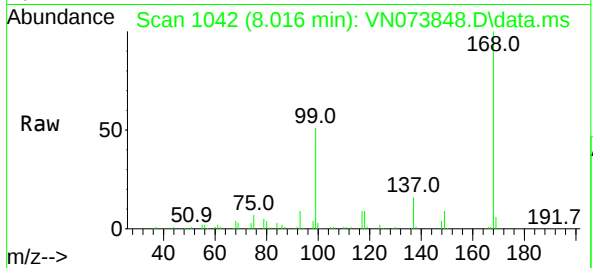




#31
Cyclohexane
Concen: 0.970 ug/l
RT: 8.016 min Scan# 1103
Delta R.T. -0.006 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

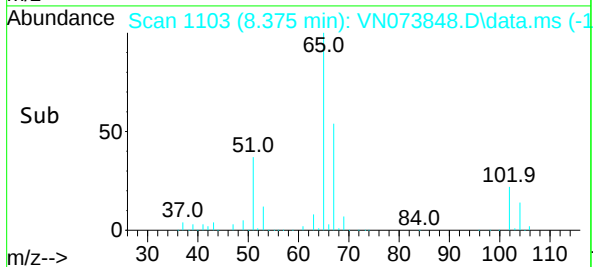
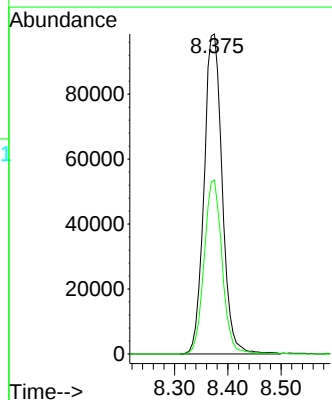
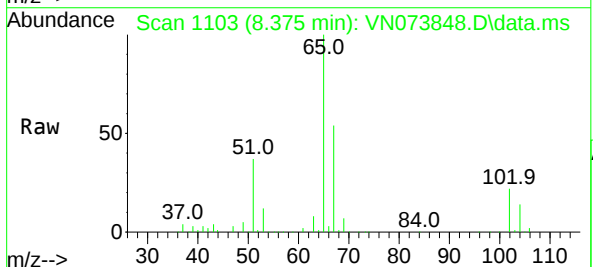
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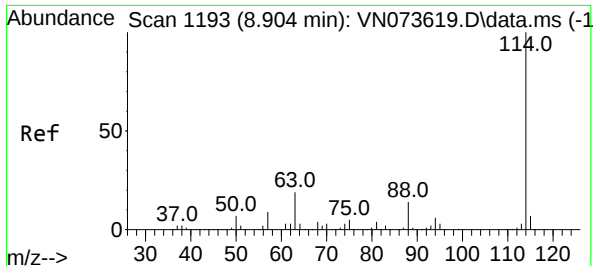
Tgt Ion: 56 Resp: 7213
Ion Ratio Lower Upper
56 100
69 155.2 27.8 41.8#
84 127.6 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 46.608 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion: 65 Resp: 232899
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN073848.D

Acq: 12 Aug 2022 13:46

Instrument :

MSVOA_N

ClientSampleId :

FMC-0070

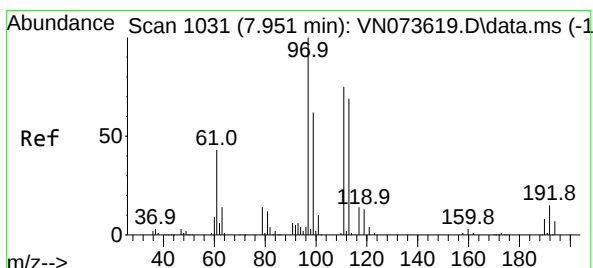
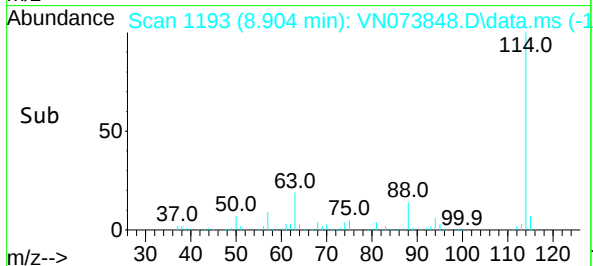
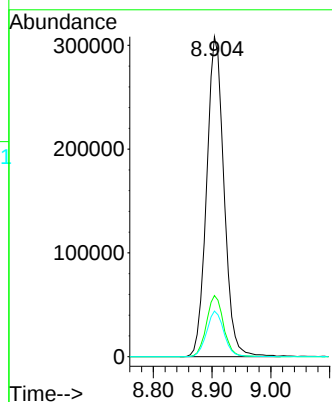
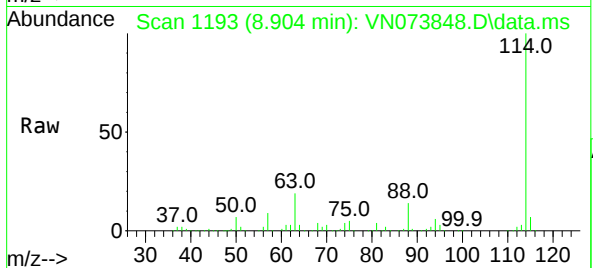
Tgt Ion:114 Resp: 633976

Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 14.3 0.0 32.6



#35

Dibromofluoromethane

Concen: 55.491 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073848.D

Acq: 12 Aug 2022 13:46

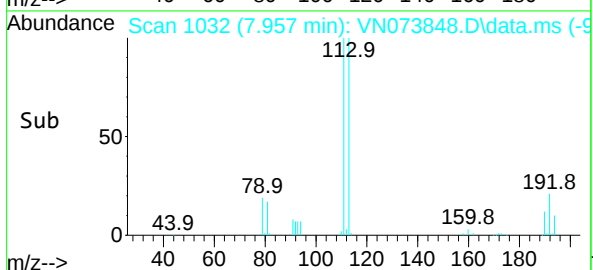
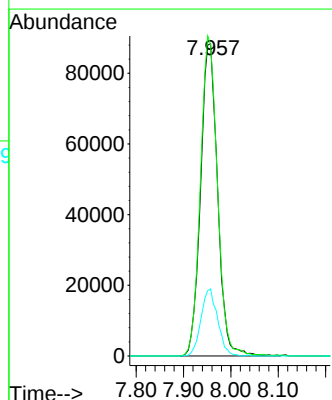
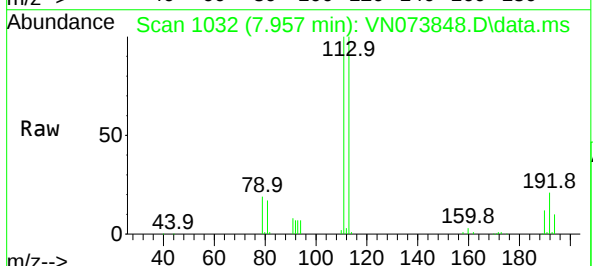
Tgt Ion:113 Resp: 220906

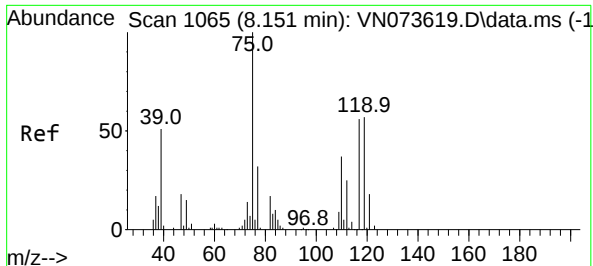
Ion Ratio Lower Upper

113 100

111 102.4 81.4 122.0

192 21.0 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.193 ug/l

RT: 8.022 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN073848.D

Acq: 12 Aug 2022 13:46

Instrument :

MSVOA_N

ClientSampleId :

FMC-0070

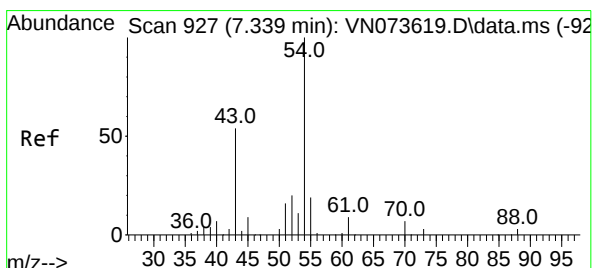
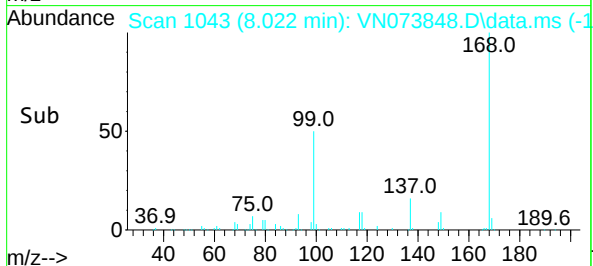
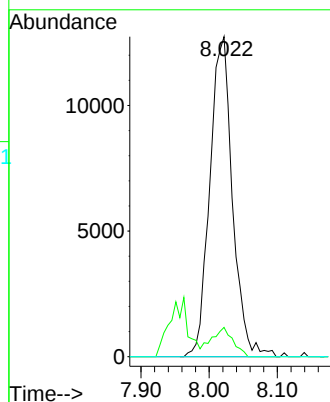
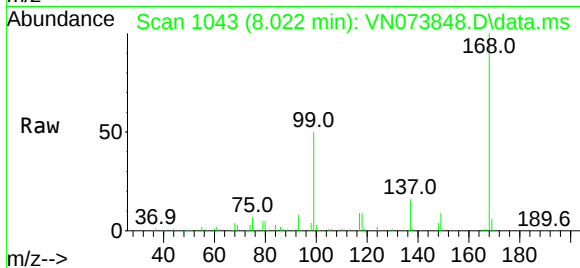
Tgt Ion: 75 Resp: 29466

Ion Ratio Lower Upper

75 100

110 8.8 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 137.810 ug/l

RT: 7.263 min Scan# 914

Delta R.T. -0.076 min

Lab File: VN073848.D

Acq: 12 Aug 2022 13:46

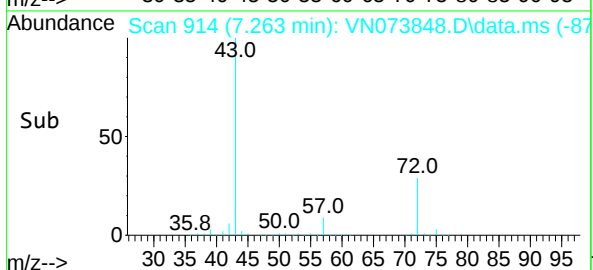
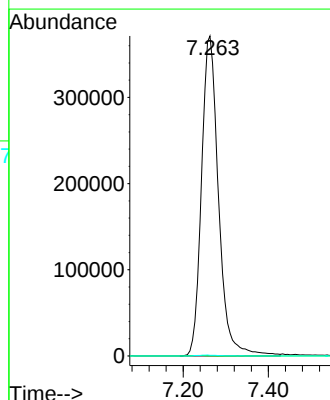
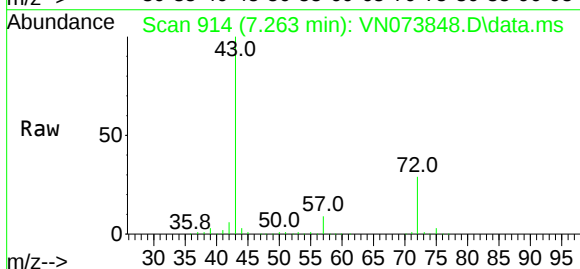
Tgt Ion: 43 Resp: 1029748

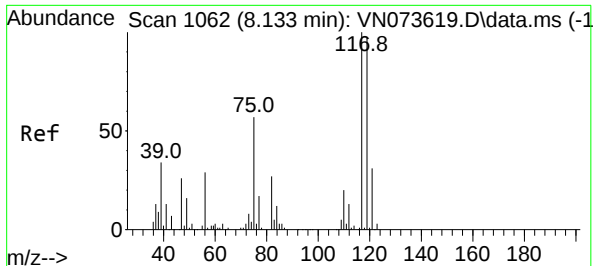
Ion Ratio Lower Upper

43 100

61 0.0 11.8 17.6#

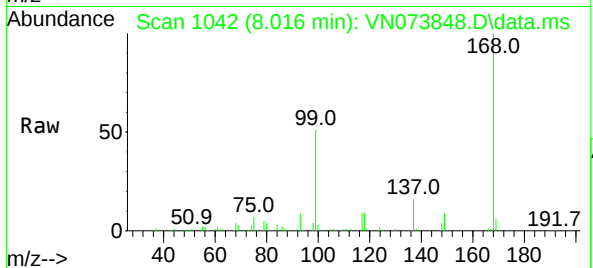
70 0.3 9.3 13.9#



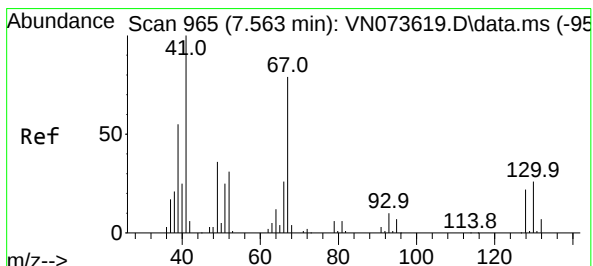
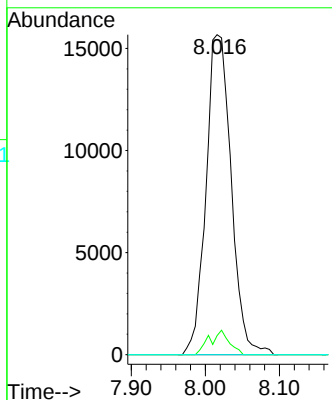
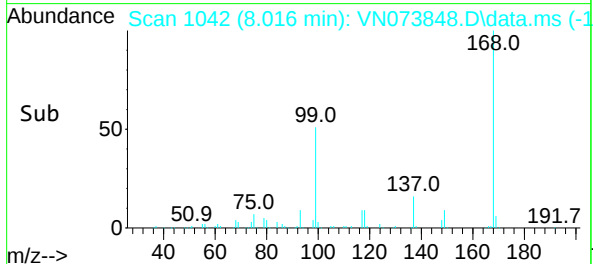


#38
Carbon Tetrachloride
Concen: 6.432 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Instrument :
MSVOA_N
ClientSampleId :
FMC-0070

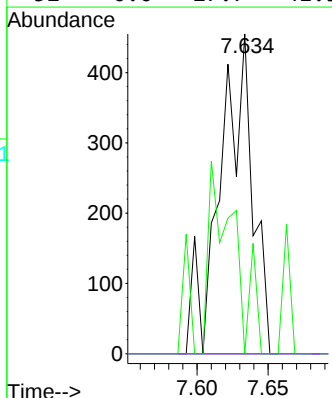
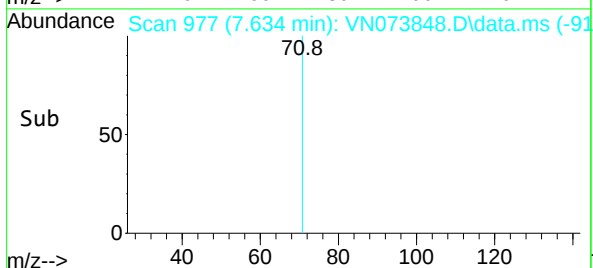
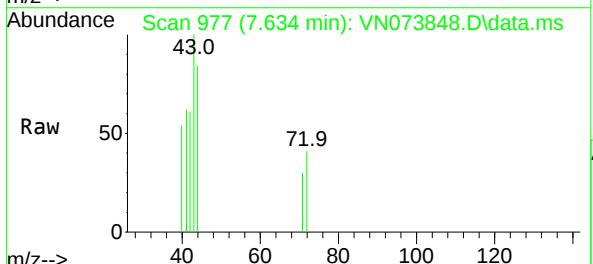


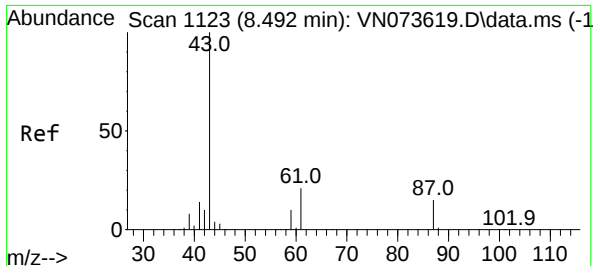
Tgt Ion:117 Resp: 37067
Ion Ratio Lower Upper
117 100
119 6.0 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.214 ug/l
RT: 7.634 min Scan# 977
Delta R.T. 0.071 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion: 41 Resp: 722
Ion Ratio Lower Upper
41 100
39 0.0 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

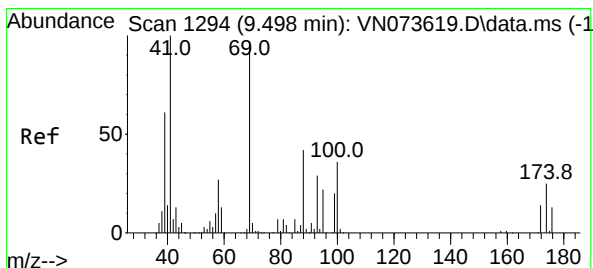
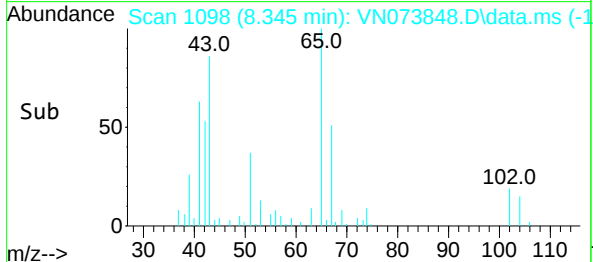
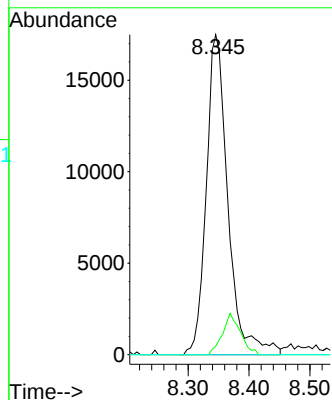
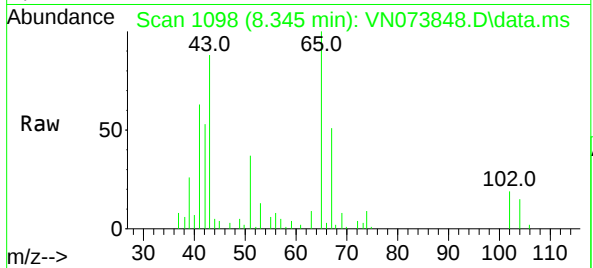




#43
Isopropyl Acetate
Concen: 4.274 ug/l
RT: 8.345 min Scan# 1098
Delta R.T. -0.147 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

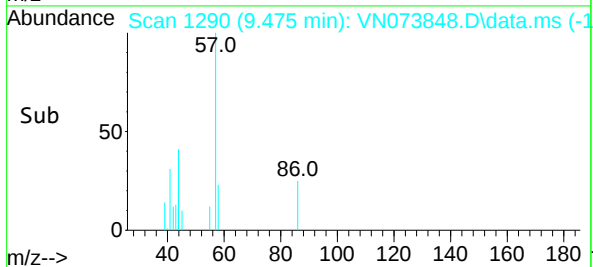
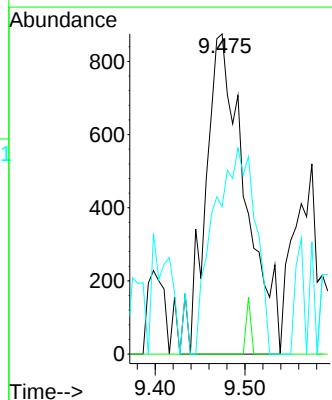
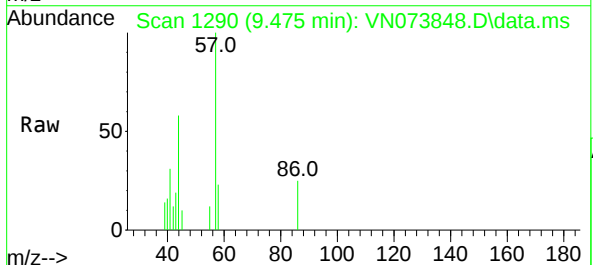
Instrument :
MSVOA_N
ClientSampleId :
FMC-0070

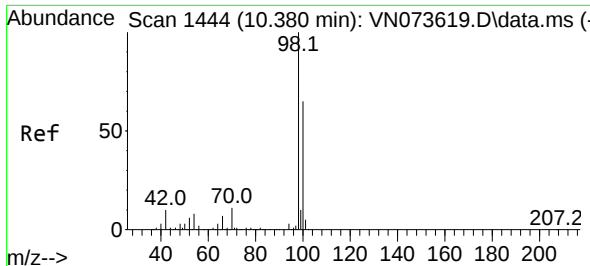
Tgt Ion: 43 Resp: 43137
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 0.608 ug/l
RT: 9.475 min Scan# 1290
Delta R.T. -0.024 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion: 41 Resp: 2684
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 0.0 45.6 68.4#

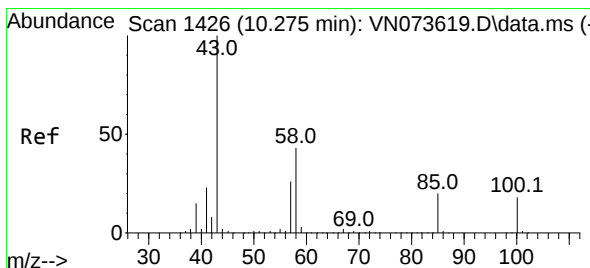
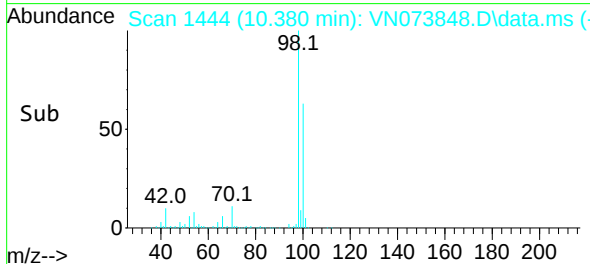
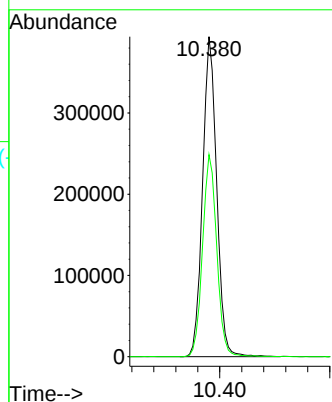
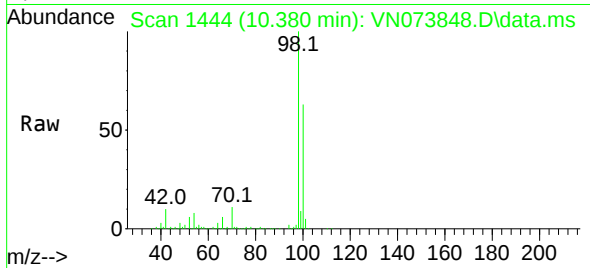




#50
Toluene-d8
Concen: 44.702 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

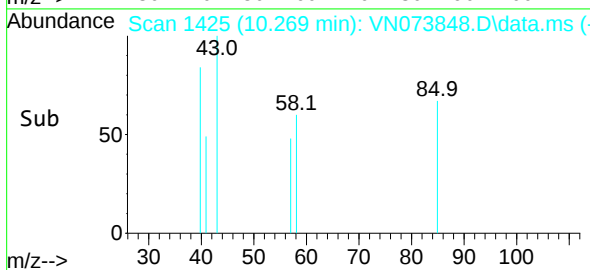
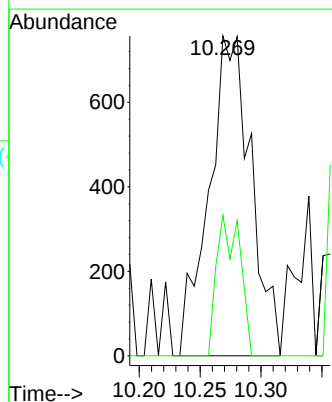
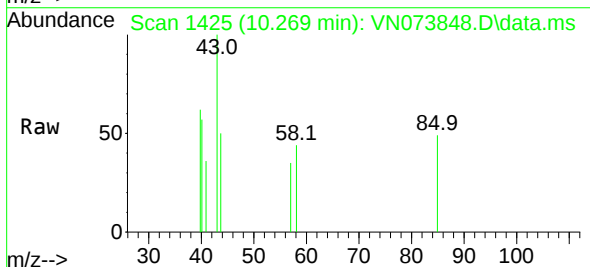
Instrument :
MSVOA_N
ClientSampleId :
FMC-0070

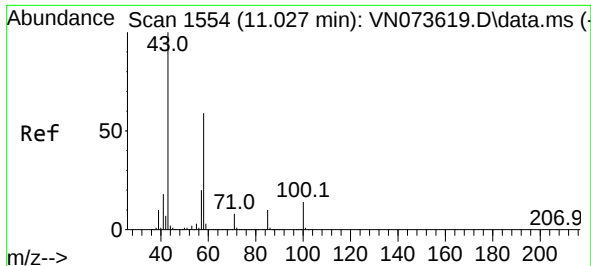
Tgt Ion: 98 Resp: 700289
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.252 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion: 43 Resp: 1827
Ion Ratio Lower Upper
43 100
58 24.1 34.1 51.1#

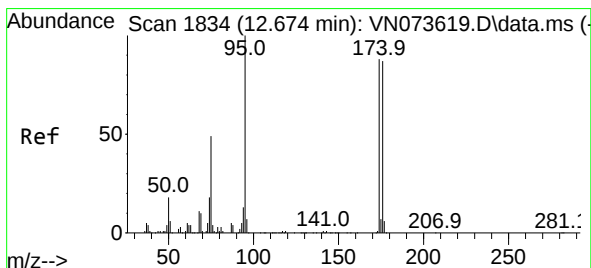
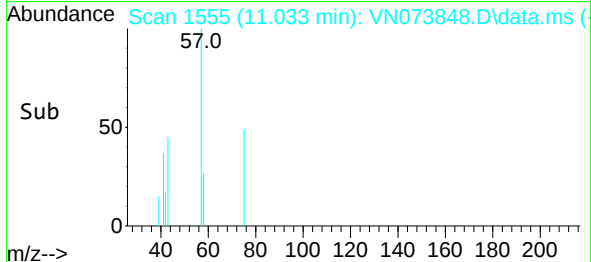
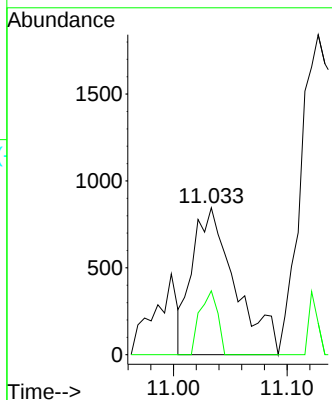
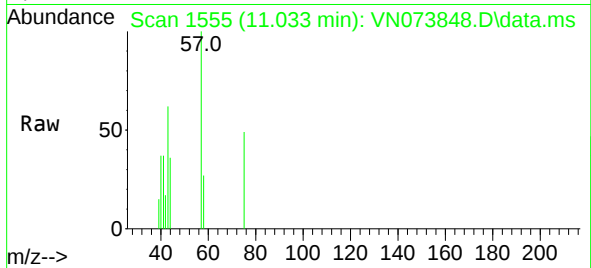




#59
2-Hexanone
Concen: 0.406 ug/l
RT: 11.033 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

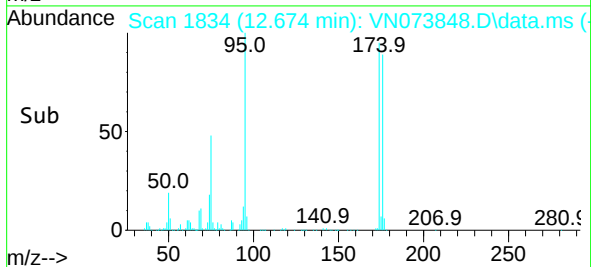
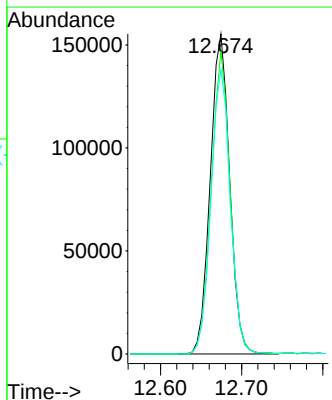
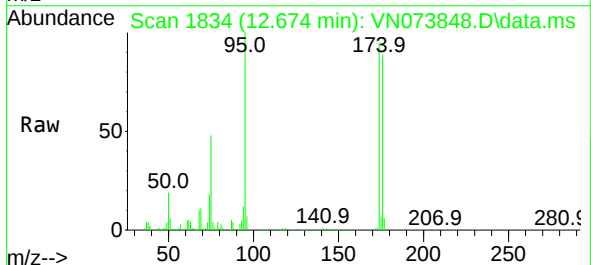
Instrument :
MSVOA_N
ClientSampleId :
FMC-0070

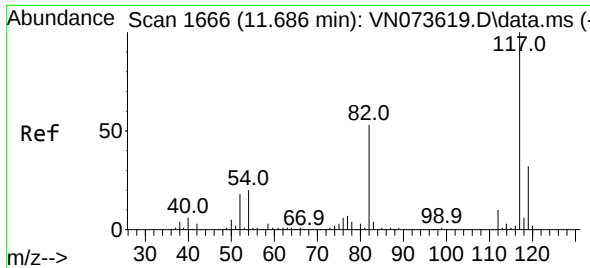
Tgt Ion: 43 Resp: 2226
Ion Ratio Lower Upper
43 100
58 18.1 29.7 89.1#



#62
4-Bromofluorobenzene
Concen: 47.048 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion: 95 Resp: 257792
Ion Ratio Lower Upper
95 100
174 92.5 0.0 167.6
176 88.4 0.0 163.4

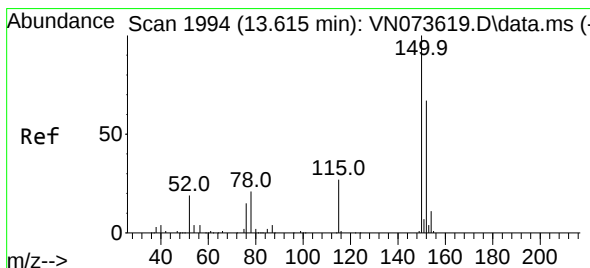
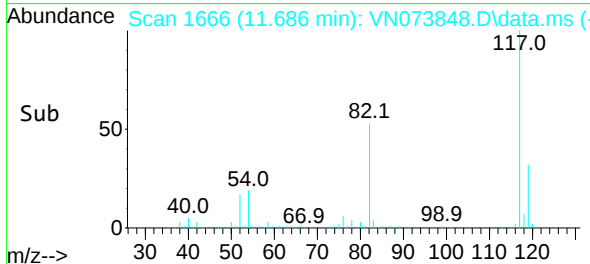
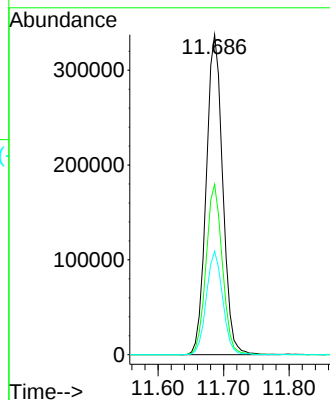
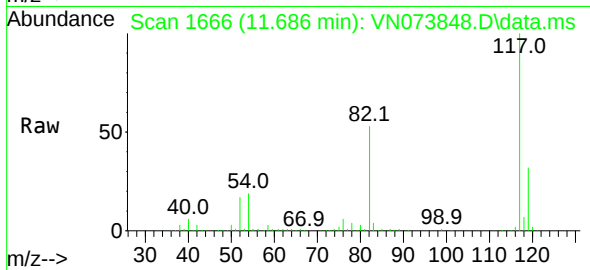




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

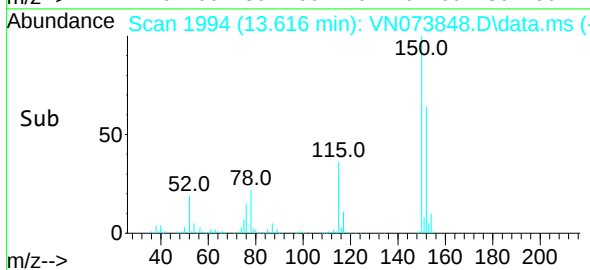
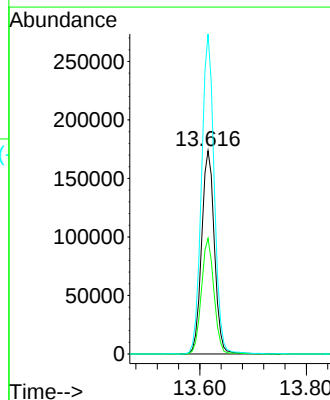
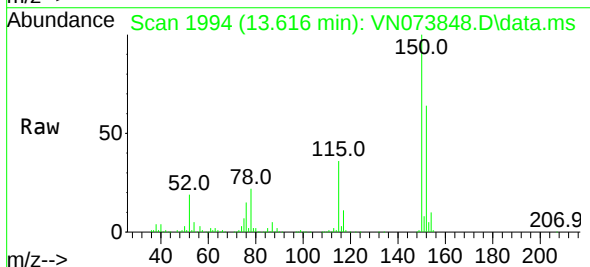
Instrument :
MSVOA_N
ClientSampleId :
FMC-0070

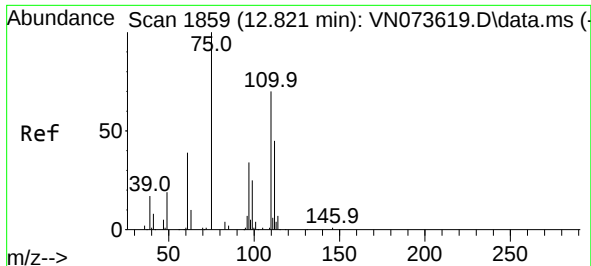
Tgt Ion:117 Resp: 591085
Ion Ratio Lower Upper
117 100
82 53.2 44.2 66.2
119 32.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073848.D
Acq: 12 Aug 2022 13:46

Tgt Ion:152 Resp: 289434
Ion Ratio Lower Upper
152 100
115 55.9 28.9 86.7
150 156.4 0.0 356.2

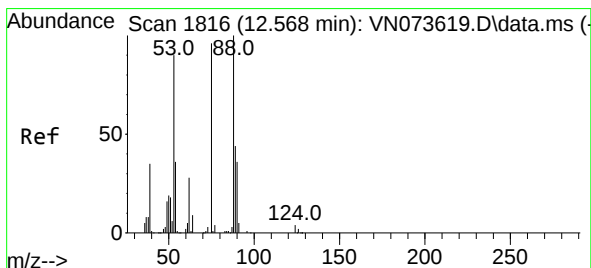
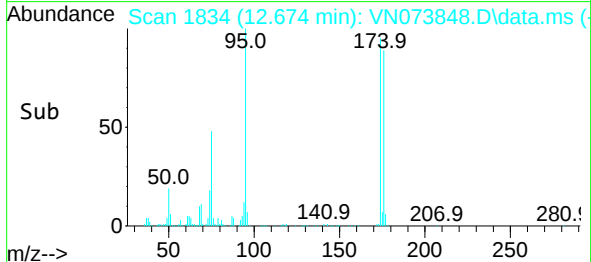
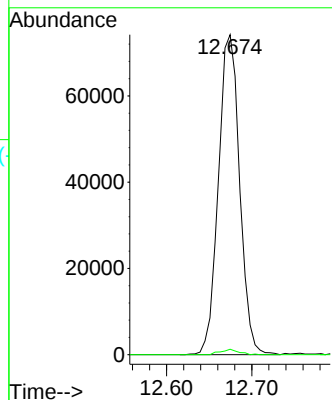
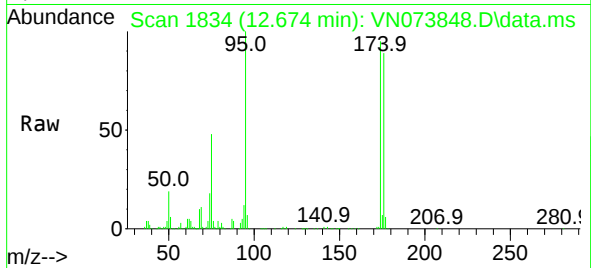




#76
 1,2,3-Trichloropropane
 Concen: 22.420 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN073848.D
 Acq: 12 Aug 2022 13:46

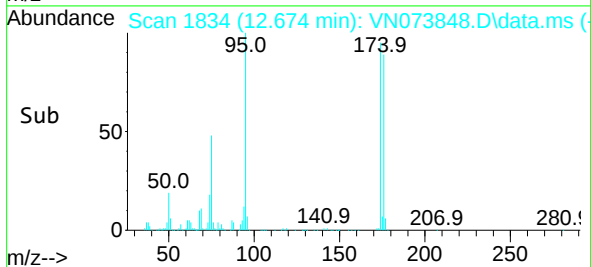
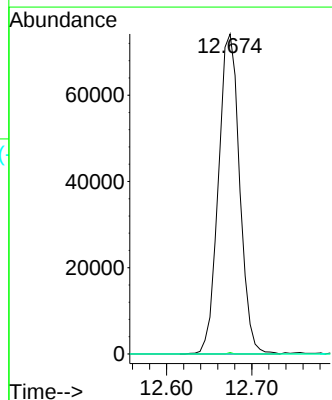
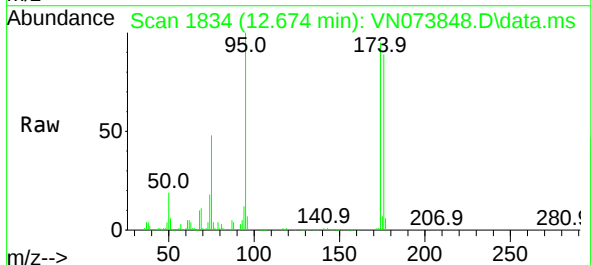
Instrument :
 MSVOA_N
 ClientSampleId :
 FMC-0070

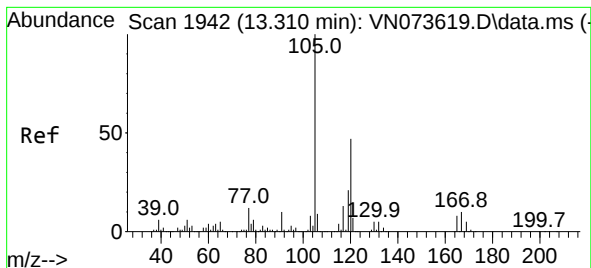
Tgt Ion: 75 Resp: 128305
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 57.448 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. 0.106 min
 Lab File: VN073848.D
 Acq: 12 Aug 2022 13:46

Tgt Ion: 75 Resp: 128305
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.0 117.0#
 89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 1.798 ug/l

RT: 13.333 min Scan# 1946

Delta R.T. 0.024 min

Lab File: VN073848.D

Acq: 12 Aug 2022 13:46

Instrument :

MSVOA_N

ClientSampleId :

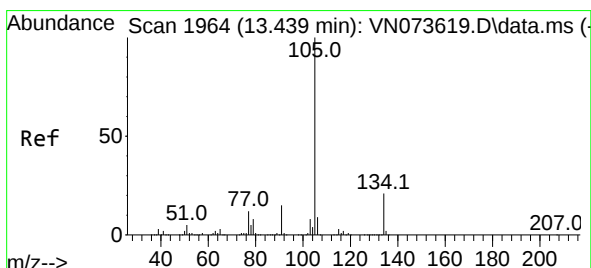
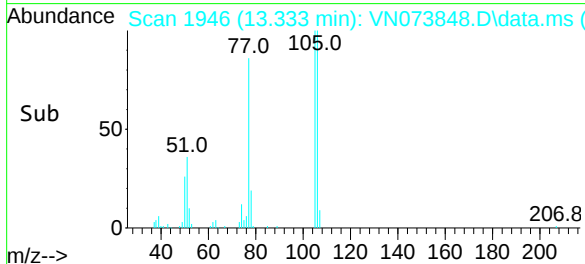
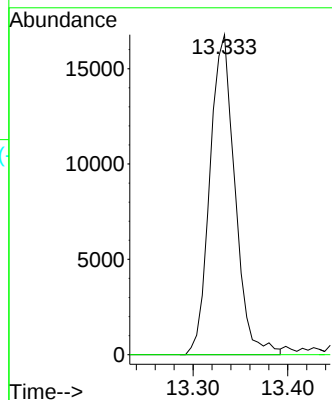
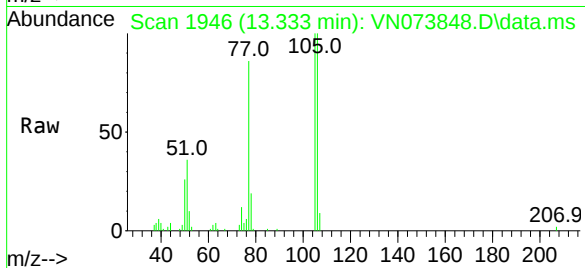
FMC-0070

Tgt Ion:105 Resp: 30824

Ion Ratio Lower Upper

105 100

120 0.0 23.3 69.8#



#85

sec-Butylbenzene

Concen: 1.444 ug/l

RT: 13.333 min Scan# 1946

Delta R.T. -0.106 min

Lab File: VN073848.D

Acq: 12 Aug 2022 13:46

Tgt Ion:105 Resp: 30824

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#

