

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030623\
 Data File : VX034343.D
 Acq On : 06 Mar 2023 12:36
 Operator : JC/MD
 Sample : 01758-01DL 10X
 Misc : 1.09g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FMC-0081DL

Quant Time: Mar 07 00:36:15 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 17 12:33:35 2023
 Response via : Initial Calibration

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

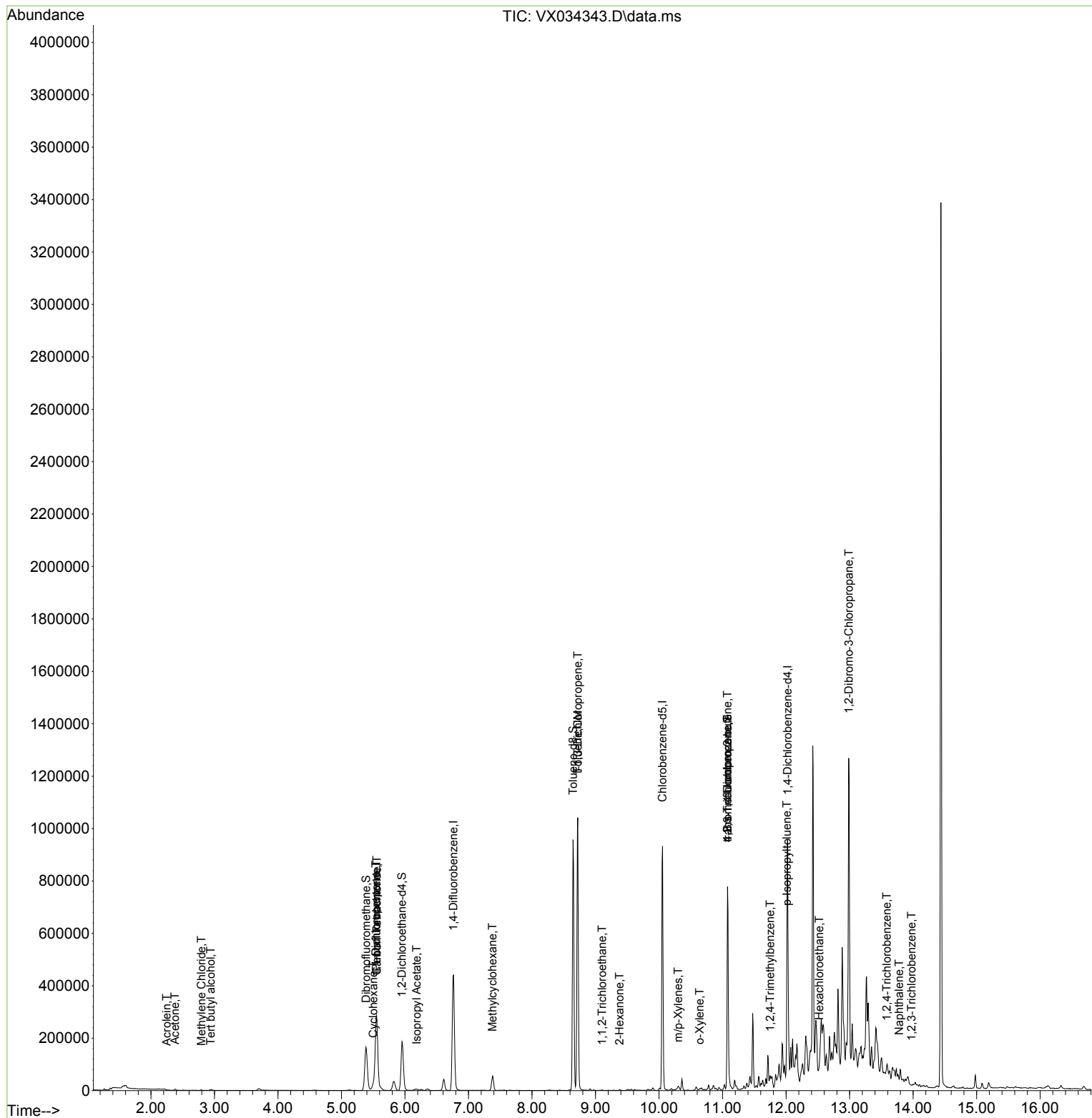
Internal Standards						
1) Pentafluorobenzene	5.550	168	279315	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	468782	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420155	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	195744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	168540	44.804	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.600%		
35) Dibromofluoromethane	5.385	113	145073	47.530	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.060%		
50) Toluene-d8	8.647	98	565871	51.637	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	103.280%		
62) 4-Bromofluorobenzene	11.079	95	198543	47.366	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.740%		
Target Compounds						Qvalue
5) Bromomethane	1.605	94	449	Below Cal		99
11) Tert butyl alcohol	2.940	59	2477	2.944 ug/l #		86
13) Acrolein	2.245	56	403	1.049 ug/l #		33
16) Acetone	2.380	43	5464	2.816 ug/l		99
20) Methylene Chloride	2.794	84	948	0.271 ug/l #		77
31) Cyclohexane	5.501	56	4994	0.889 ug/l #		53
36) 1,1-Dichloropropene	5.544	75	20674	4.580 ug/l #		49
38) Carbon Tetrachloride	5.556	117	26870	5.785 ug/l #		14
39) Methylcyclohexane	7.379	83	24352	4.192 ug/l		96
43) Isopropyl Acetate	6.184	43	3753	0.422 ug/l #		61
52) Toluene	8.720	92	386460	47.679 ug/l		99
53) t-1,3-Dichloropropene	8.720	75	4374	0.790 ug/l #		1
55) 1,1,2-Trichloroethane	9.104	97	789	0.241 ug/l #		16
59) 2-Hexanone	9.378	43	1121	0.300 ug/l #		24
68) m/p-Xylenes	10.299	106	3067	0.509 ug/l		92
69) o-Xylene	10.640	106	1330	0.222 ug/l		77
76) 1,2,3-Trichloropropane	11.079	75	101054	20.517 ug/l #		34
81) trans-1,4-Dichloro-2-b...	11.079	75	101054	52.705 ug/l #		8
84) 1,2,4-Trimethylbenzene	11.750	105	5821	0.459 ug/l		98
86) p-Isopropyltoluene	12.012	119	2755	0.213 ug/l #		59
90) Hexachloroethane	12.524	117	652	0.242 ug/l #		4
92) 1,2-Dibromo-3-Chloropr...	12.987	75	1680	1.381 ug/l #		7
93) 1,2,4-Trichlorobenzene	13.585	180	977	0.231 ug/l #		39
95) Naphthalene	13.780	128	5805	0.407 ug/l #		86
96) 1,2,3-Trichlorobenzene	13.975	180	849	0.202 ug/l #		47

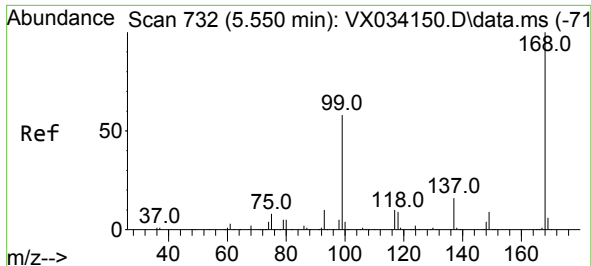
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 07 00:36:15 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X021723W.M
Quant Title : SW846 8260
QLast Update : Fri Feb 17 12:33:35 2023
Response via : Initial Calibration

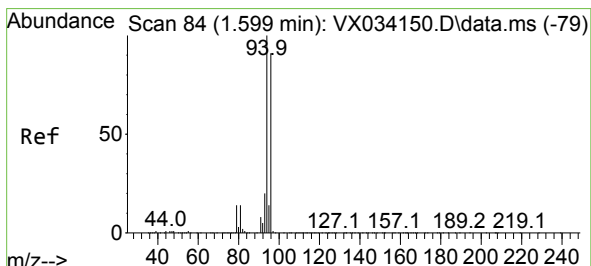
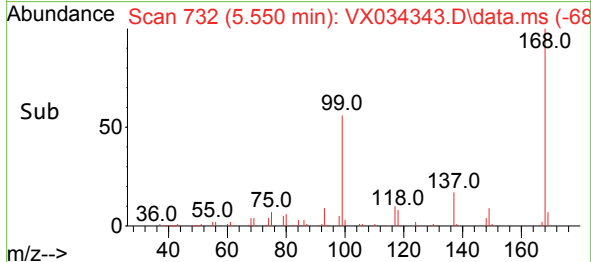
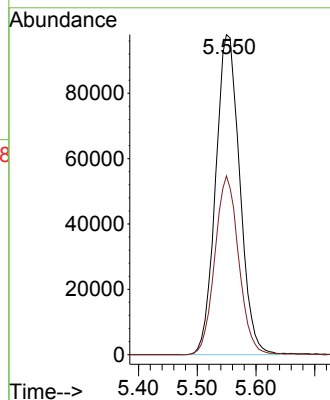
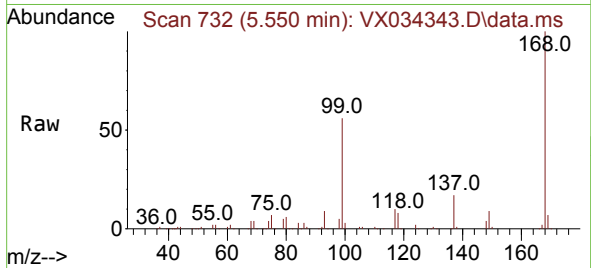




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

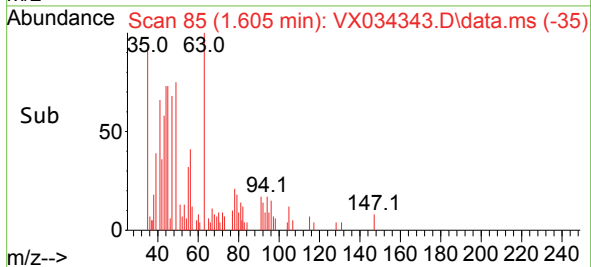
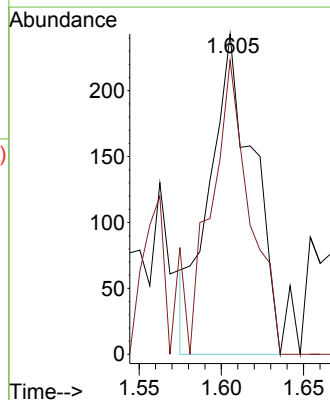
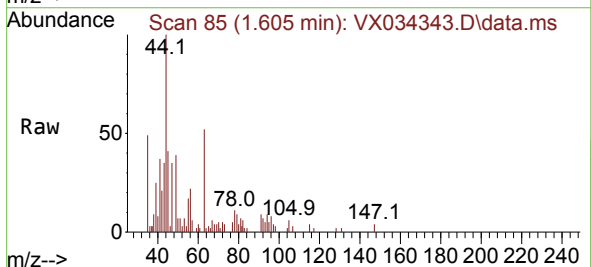
Instrument :
MSVOA_X
ClientSampleId :
FMC-0081DL

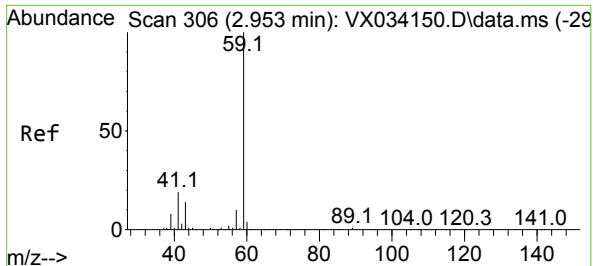
Tgt Ion:168 Resp: 279315
Ion Ratio Lower Upper
168 100
99 55.8 39.6 59.4



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion: 94 Resp: 449
Ion Ratio Lower Upper
94 100
96 91.8 74.3 111.5





#11

Tert butyl alcohol

Concen: 2.944 ug/l

RT: 2.940 min Scan# 306

Delta R.T. -0.012 min

Lab File: VX034343.D

Acq: 06 Mar 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

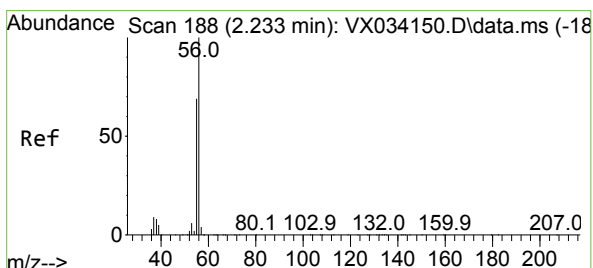
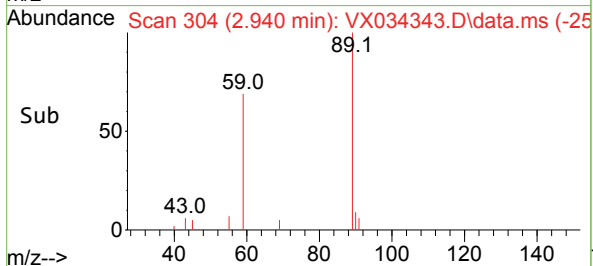
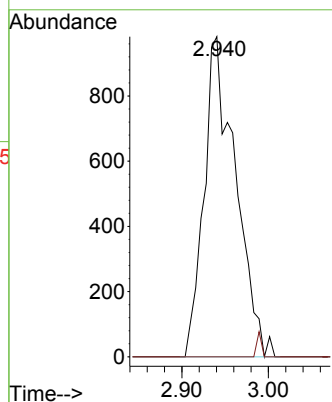
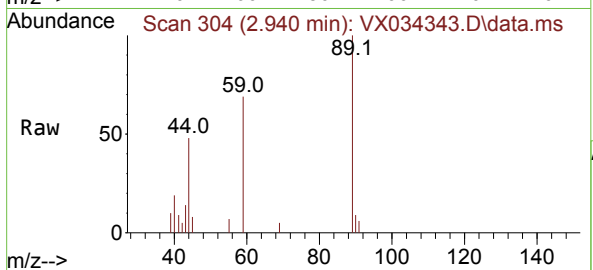
FMC-0081DL

Tgt Ion: 59 Resp: 2477

Ion Ratio Lower Upper

59 100

57 0.0 3.7 5.5#



#13

Acrolein

Concen: 1.049 ug/l

RT: 2.245 min Scan# 190

Delta R.T. 0.012 min

Lab File: VX034343.D

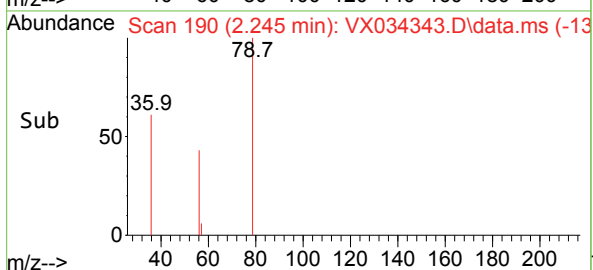
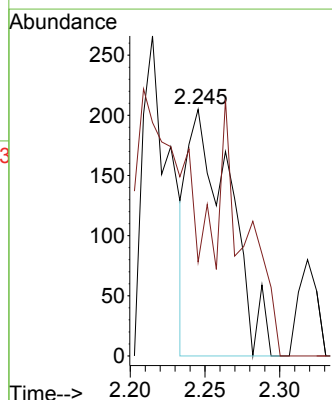
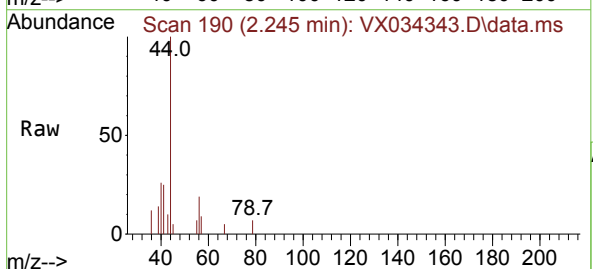
Acq: 06 Mar 2023 12:36

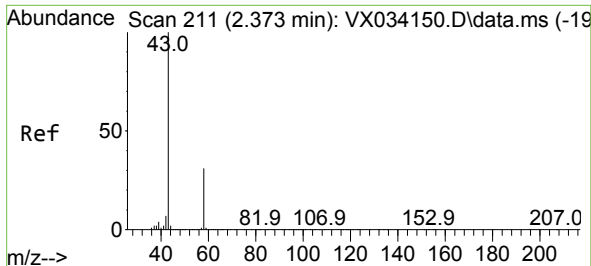
Tgt Ion: 56 Resp: 403

Ion Ratio Lower Upper

56 100

55 15.6 56.3 84.5#

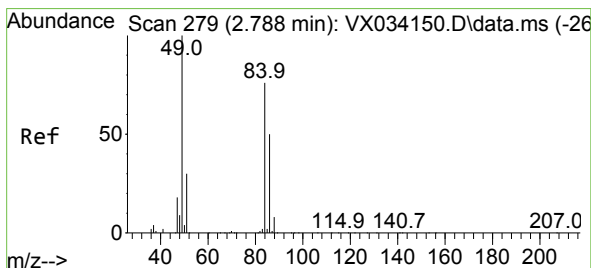
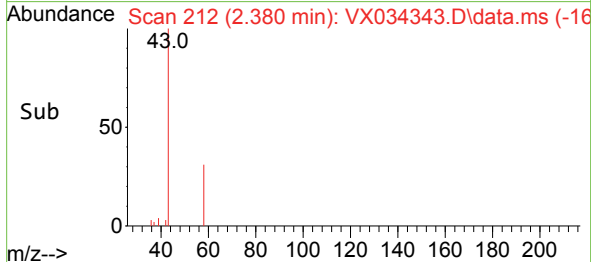
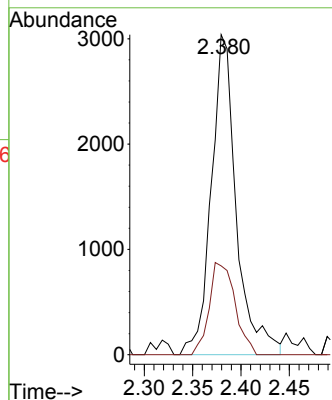
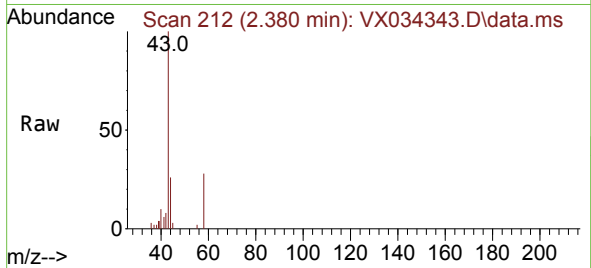




#16
Acetone
Concen: 2.816 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

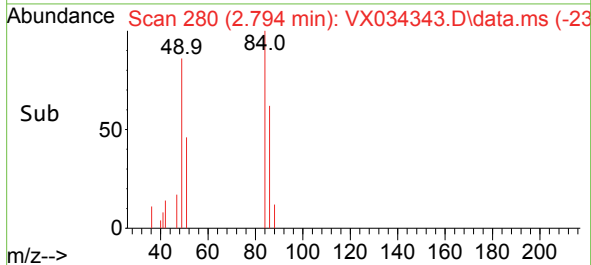
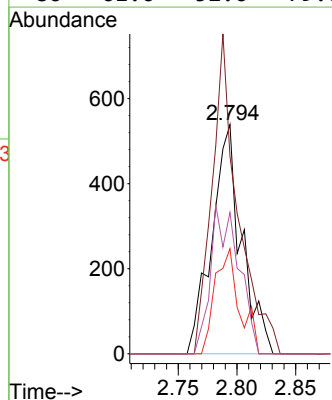
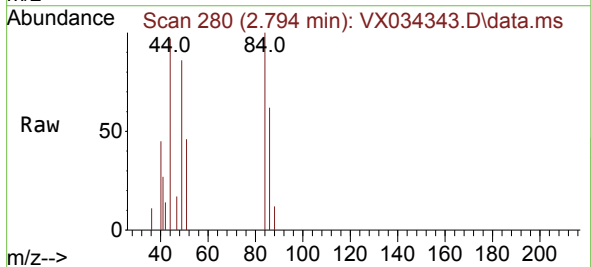
Instrument :
MSVOA_X
ClientSampleId :
FMC-0081DL

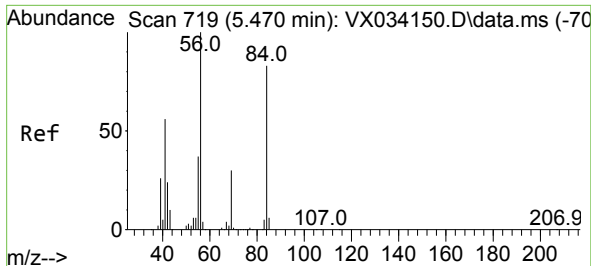
Tgt Ion: 43 Resp: 5464
Ion Ratio Lower Upper
43 100
58 27.7 22.6 33.8



#20
Methylene Chloride
Concen: 0.271 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion: 84 Resp: 948
Ion Ratio Lower Upper
84 100
49 86.3 101.1 151.7#
51 45.8 31.0 46.6
86 61.6 52.6 79.0

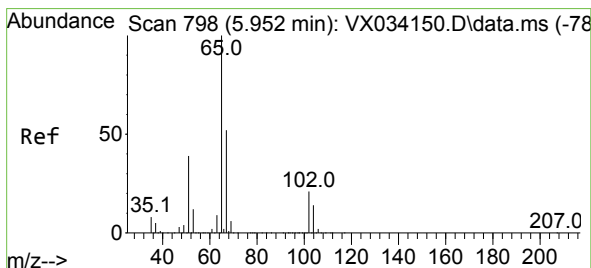
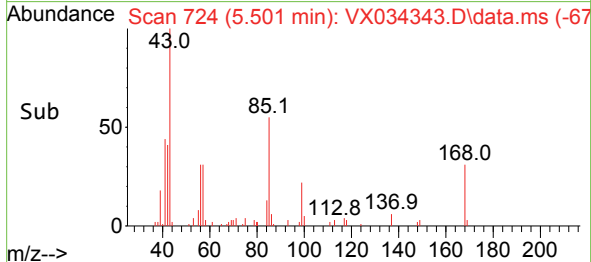
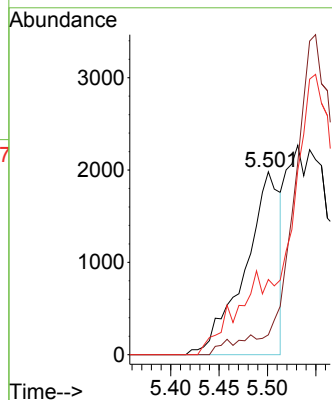
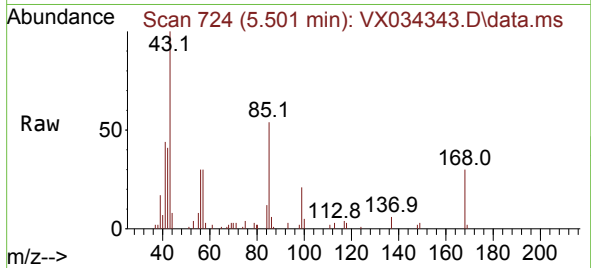




#31
Cyclohexane
Concen: 0.889 ug/l
RT: 5.501 min Scan# 719
Delta R.T. 0.031 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

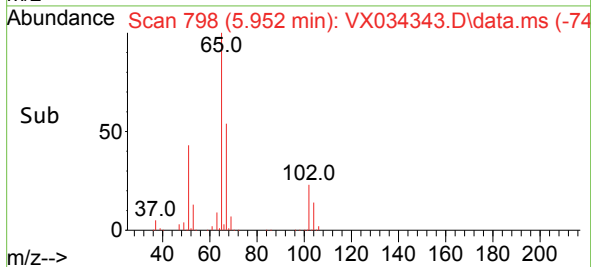
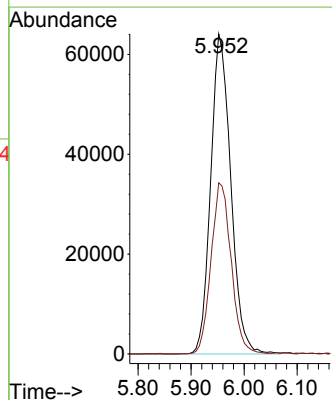
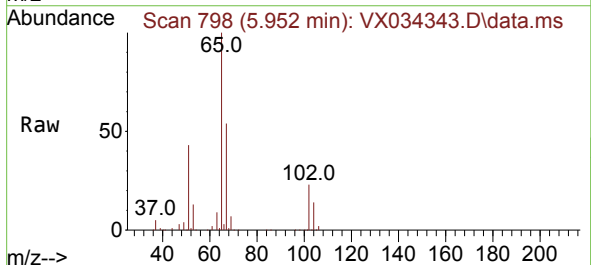
Instrument :
MSVOA_X
ClientSampleId :
FMC-0081DL

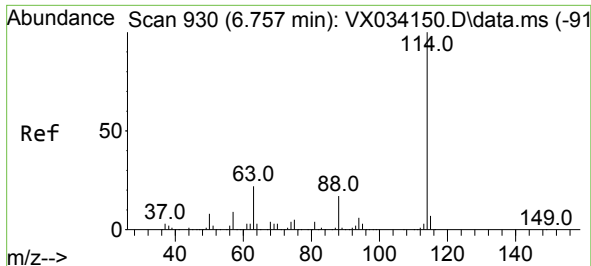
Tgt Ion: 56 Resp: 4994
Ion Ratio Lower Upper
56 100
69 10.9 24.6 37.0#
84 41.1 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 44.804 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion: 65 Resp: 168540
Ion Ratio Lower Upper
65 100
67 53.6 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX034343.D

Acq: 06 Mar 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

FMC-0081DL

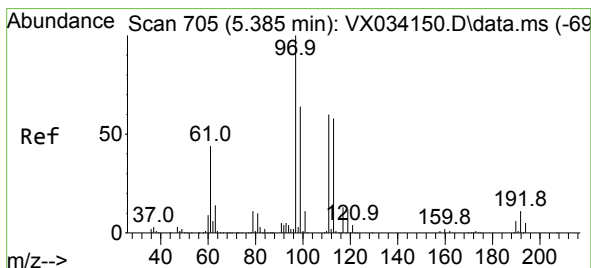
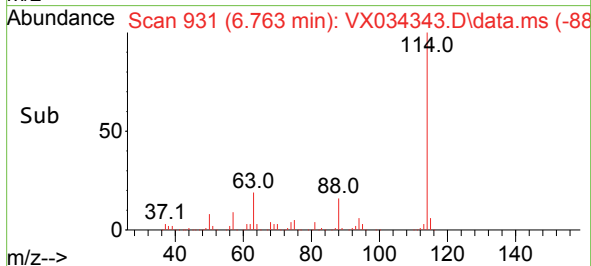
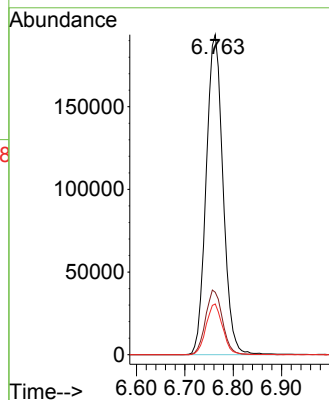
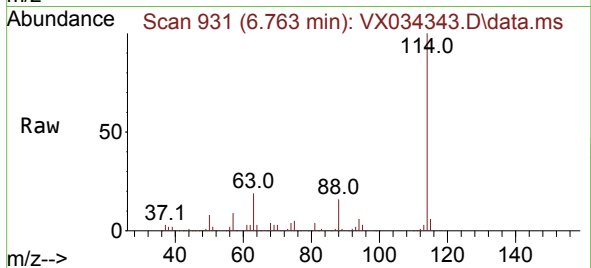
Tgt Ion:114 Resp: 468782

Ion Ratio Lower Upper

114 100

63 19.5 0.0 37.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 47.530 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX034343.D

Acq: 06 Mar 2023 12:36

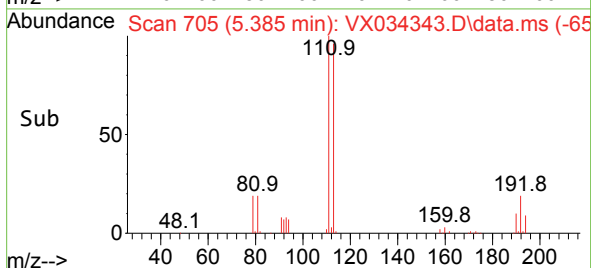
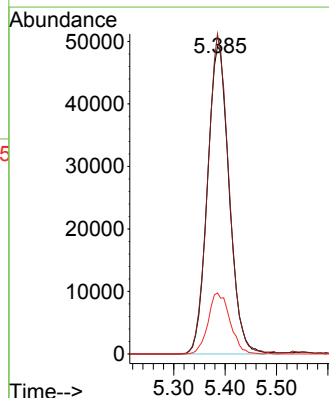
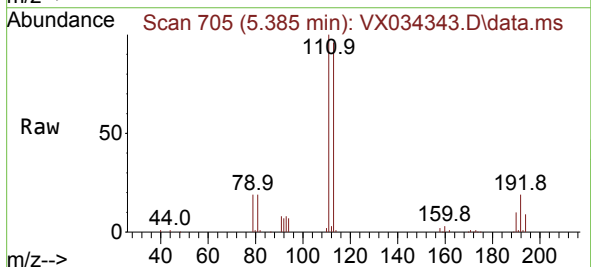
Tgt Ion:113 Resp: 145073

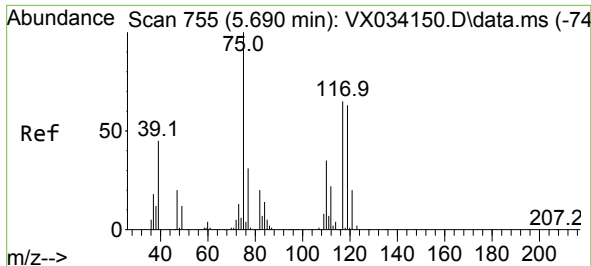
Ion Ratio Lower Upper

113 100

111 101.0 83.0 124.6

192 19.8 19.0 28.4

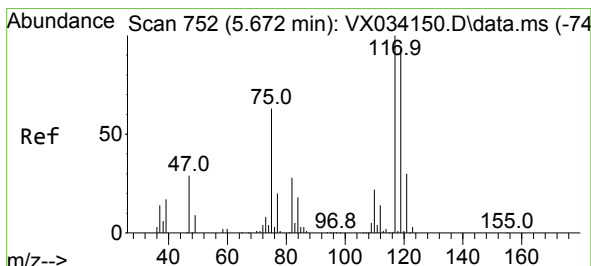
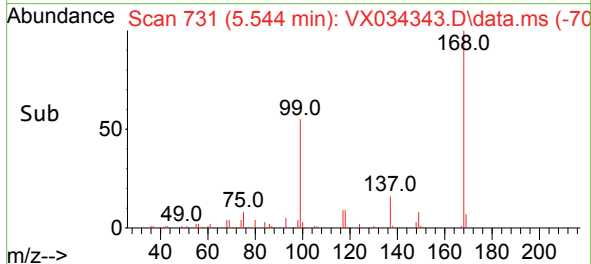
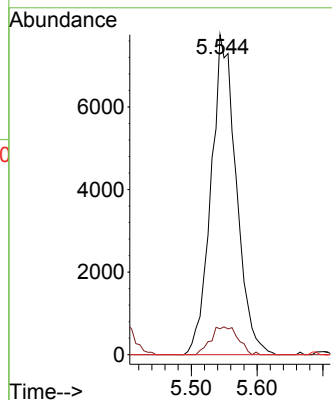
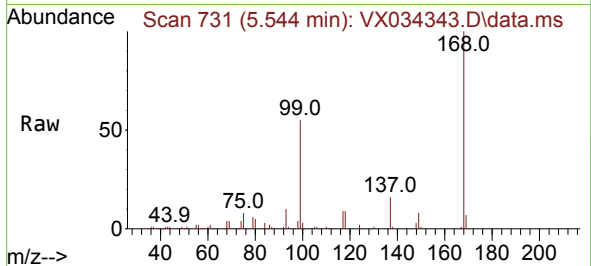




#36
1,1-Dichloropropene
Concen: 4.580 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

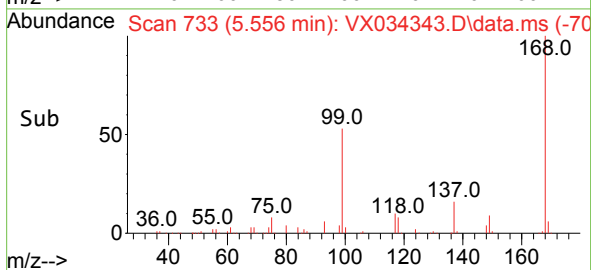
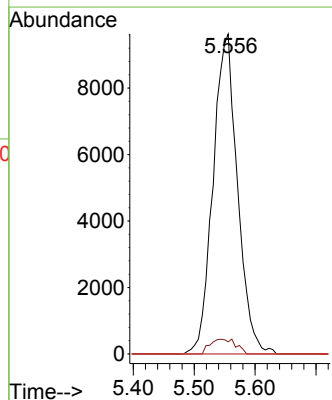
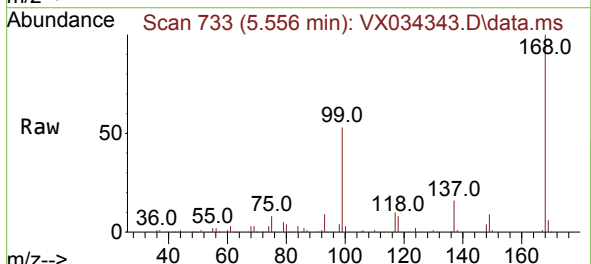
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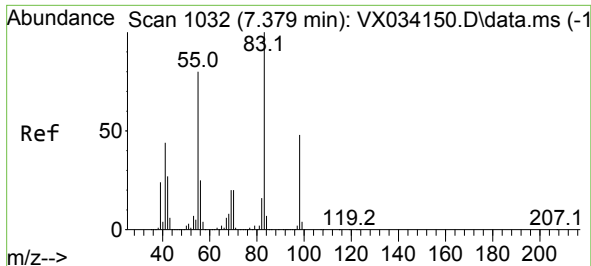
Tgt Ion: 75 Resp: 20674
Ion Ratio Lower Upper
75 100
110 9.4 18.8 56.4#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion: 117 Resp: 26870
Ion Ratio Lower Upper
117 100
119 3.8 78.0 117.0#
121 0.0 24.4 36.6#

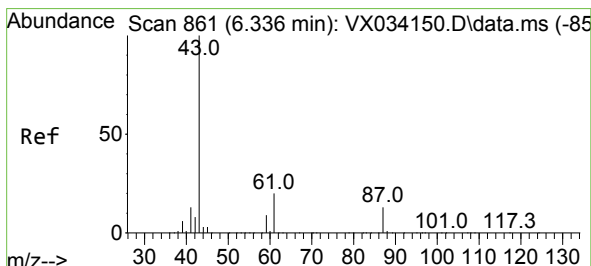
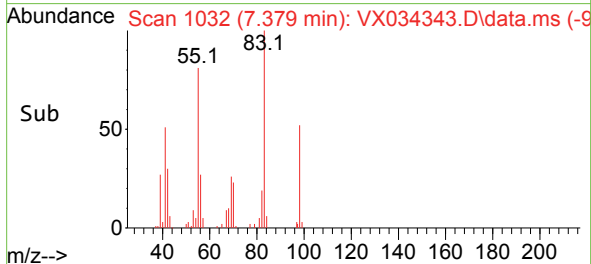
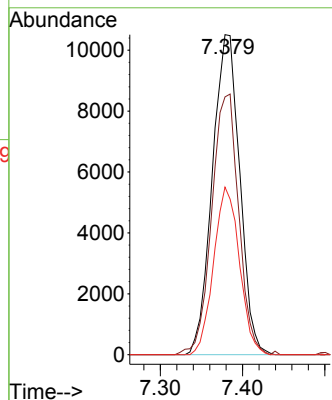
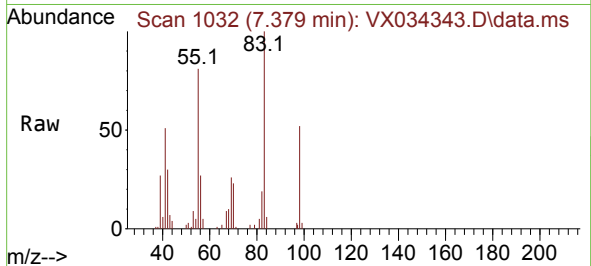




#39
Methylcyclohexane
Concen: 4.192 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. 0.000 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

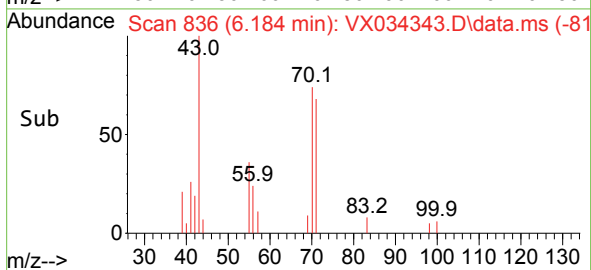
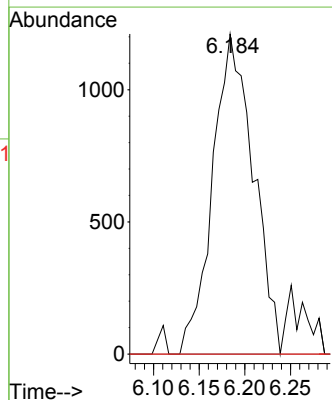
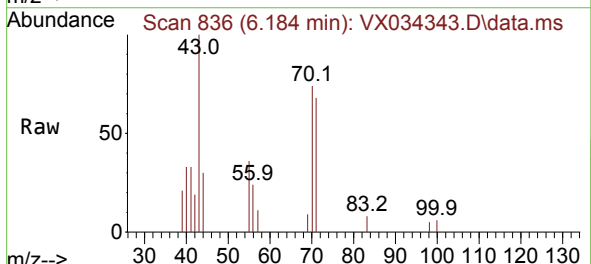
Instrument :
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ClientSampleId :
FMC-0081DL

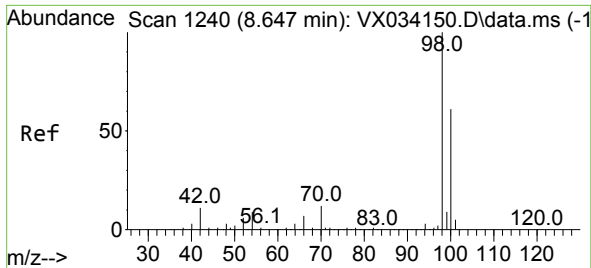
Tgt Ion:	83	Resp:	24352
Ion	Ratio	Lower	Upper
83	100		
55	80.5	61.8	92.6
98	52.3	39.3	58.9



#43
Isopropyl Acetate
Concen: 0.422 ug/l
RT: 6.184 min Scan# 836
Delta R.T. -0.152 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion:	43	Resp:	3753
Ion	Ratio	Lower	Upper
43	100		
61	0.0	15.7	23.5#
87	0.0	10.6	15.8#

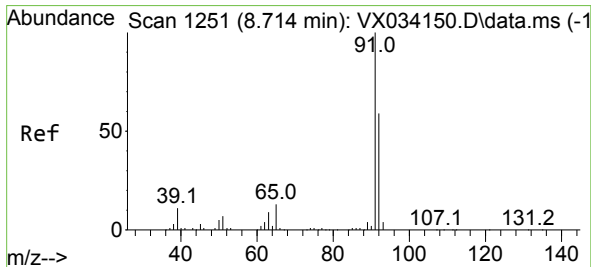
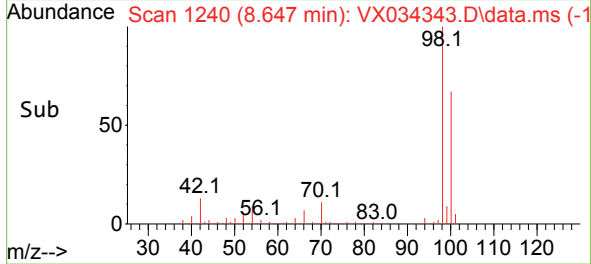
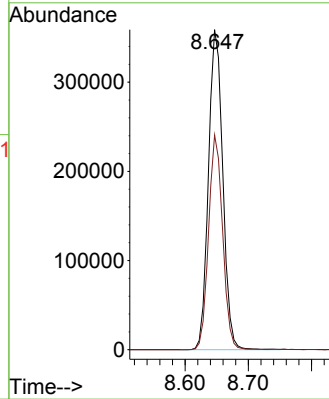
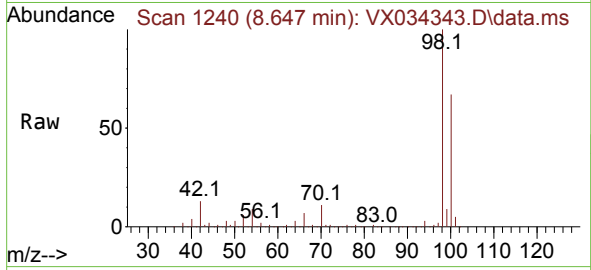




#50
Toluene-d8
Concen: 51.637 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

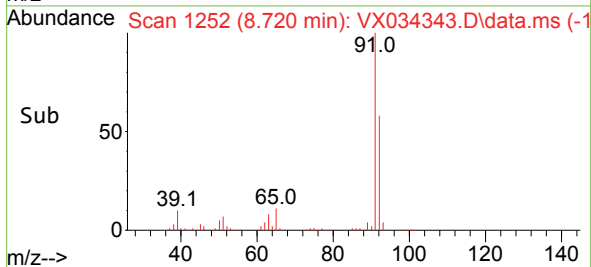
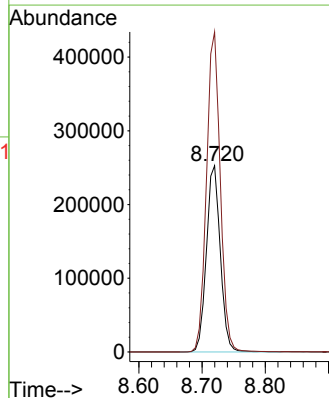
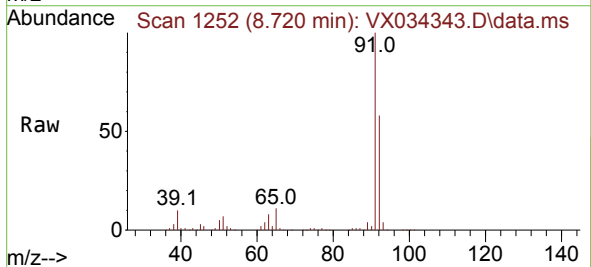
Instrument :
MSVOA_X
ClientSampleId :
FMC-0081DL

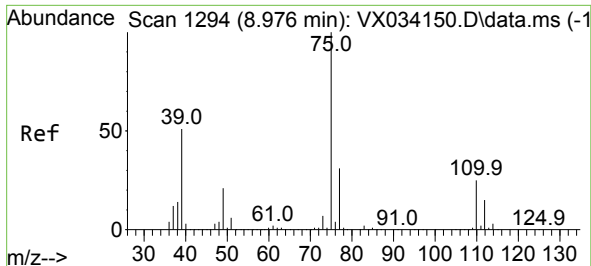
Tgt Ion: 98 Resp: 565871
Ion Ratio Lower Upper
98 100
100 65.7 53.6 80.4



#52
Toluene
Concen: 47.679 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.006 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion: 92 Resp: 386460
Ion Ratio Lower Upper
92 100
91 170.6 135.5 203.3

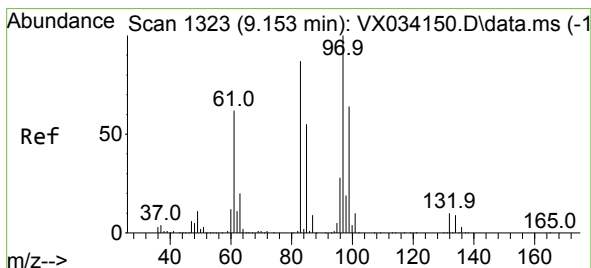
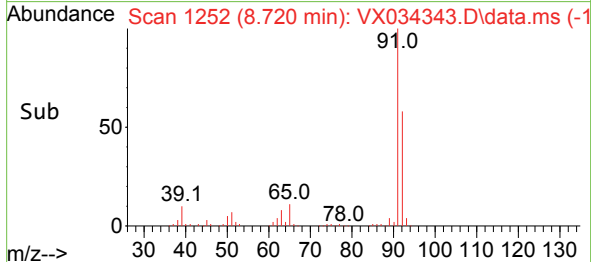
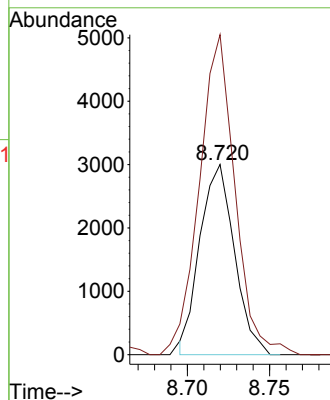
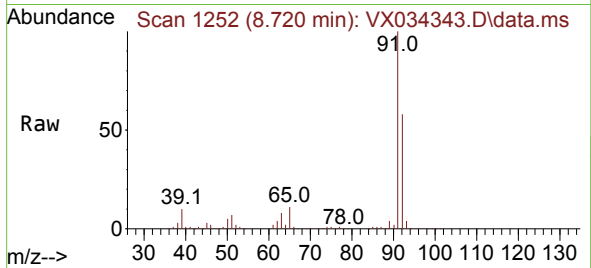




#53
t-1,3-Dichloropropene
Concen: 0.790 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.256 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

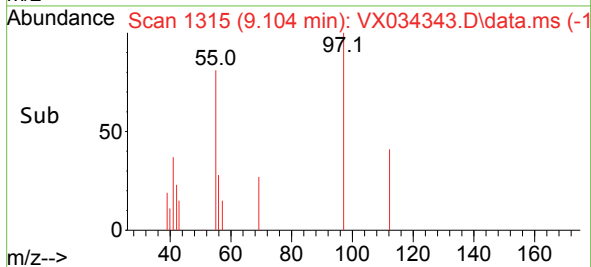
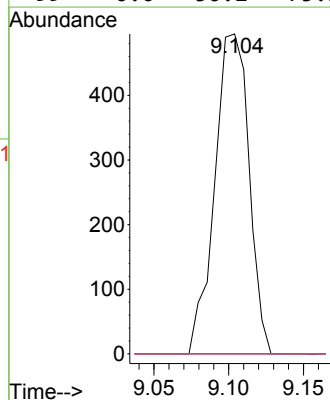
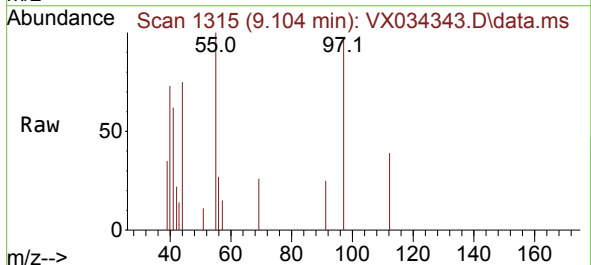
Instrument :
MSVOA_X
ClientSampleId :
FMC-0081DL

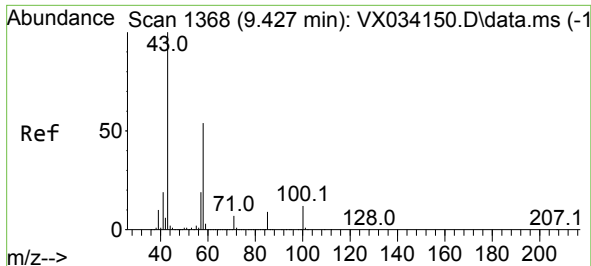
Tgt Ion: 75 Resp: 4374
Ion Ratio Lower Upper
75 100
77 162.5 25.5 38.3#



#55
1,1,2-Trichloroethane
Concen: 0.241 ug/l
RT: 9.104 min Scan# 1315
Delta R.T. -0.049 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion: 97 Resp: 789
Ion Ratio Lower Upper
97 100
83 0.0 67.4 101.0#
85 0.0 43.2 64.8#
99 0.0 50.2 75.2#

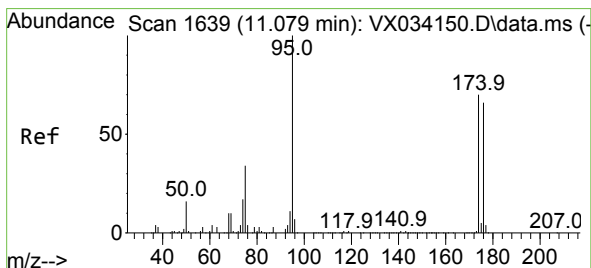
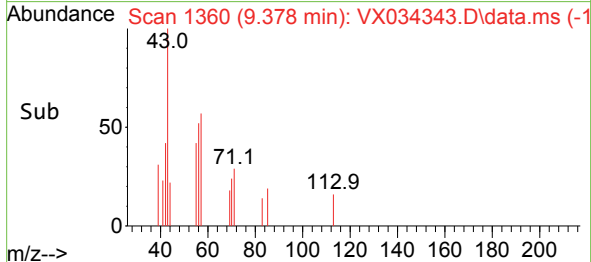
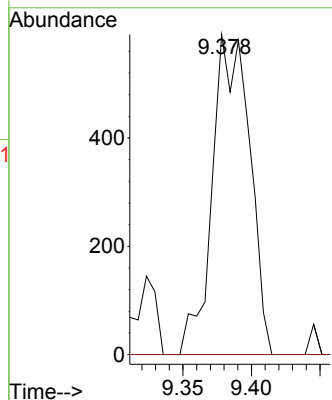
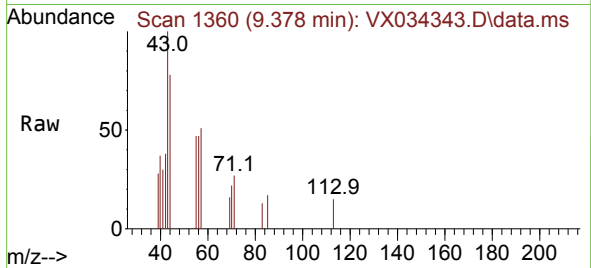




#59
2-Hexanone
Concen: 0.300 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

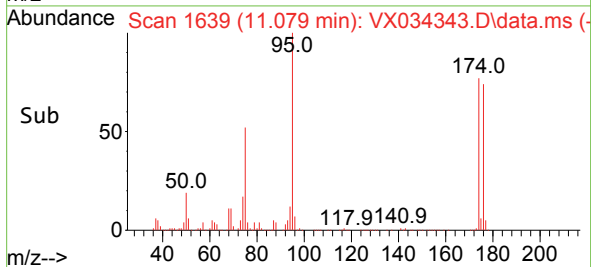
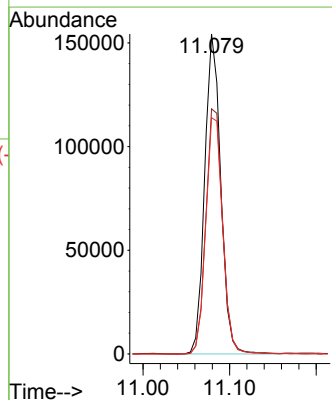
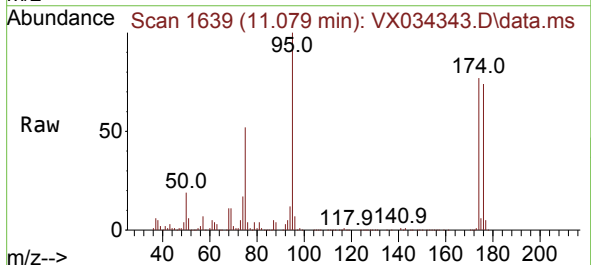
Instrument :
MSVOA_X
ClientSampleId :
FMC-0081DL

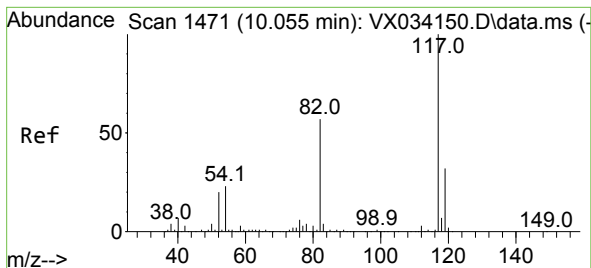
Tgt Ion: 43 Resp: 1121
Ion Ratio Lower Upper
43 100
58 0.0 27.4 82.0#



#62
4-Bromofluorobenzene
Concen: 47.366 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion: 95 Resp: 198543
Ion Ratio Lower Upper
95 100
174 80.2 0.0 184.4
176 77.8 0.0 178.8

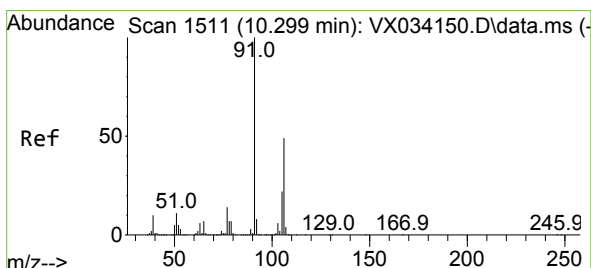
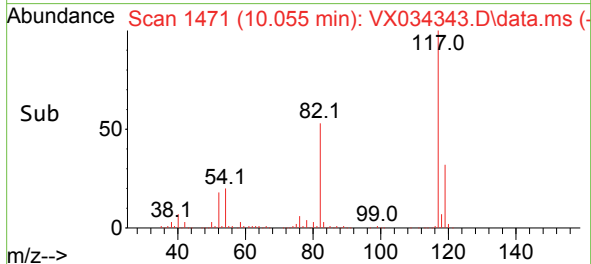
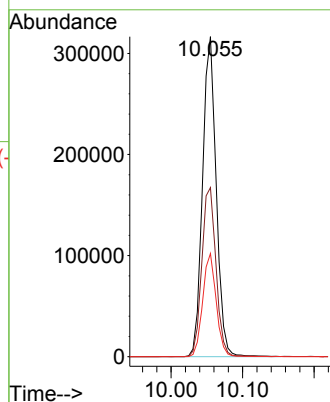
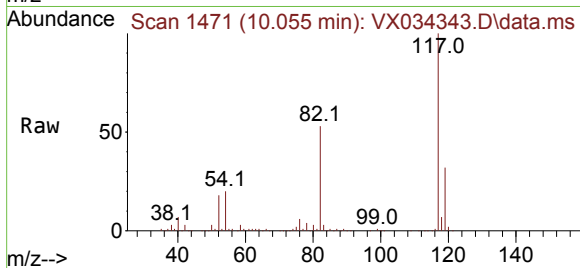




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

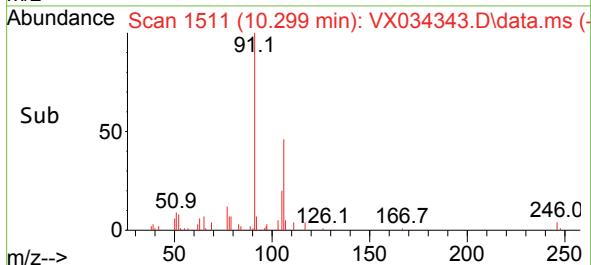
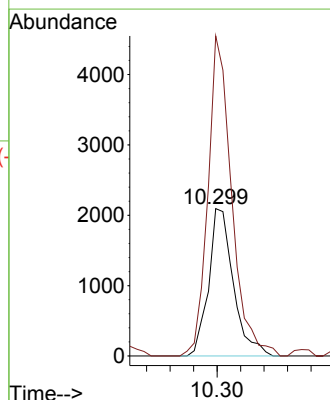
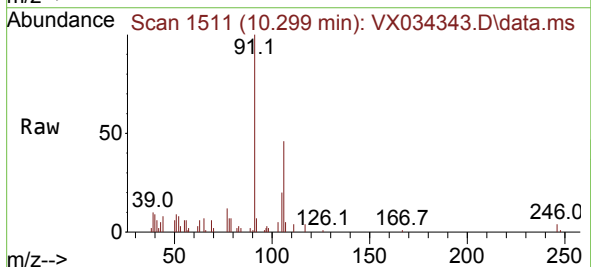
Instrument :
MSVOA_X
ClientSampleId :
FMC-0081DL

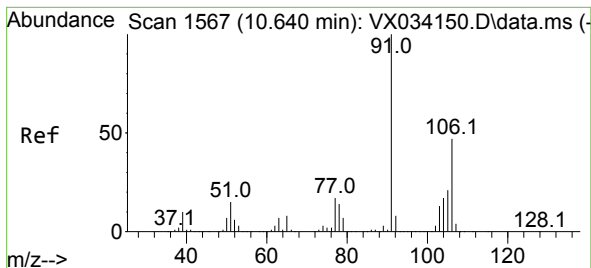
Tgt Ion:117 Resp: 420155
Ion Ratio Lower Upper
117 100
82 52.8 40.6 60.8
119 32.3 25.6 38.4



#68
m/p-Xylenes
Concen: 0.509 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion:106 Resp: 3067
Ion Ratio Lower Upper
106 100
91 207.9 156.4 234.6





#69

o-Xylene

Concen: 0.222 ug/l

RT: 10.640 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX034343.D

Acq: 06 Mar 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

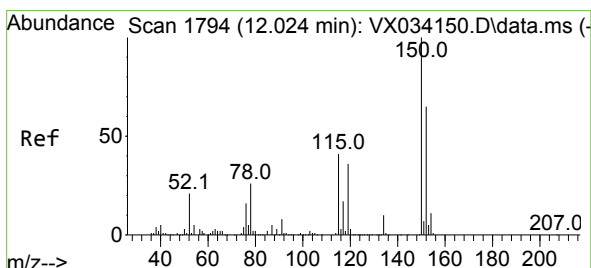
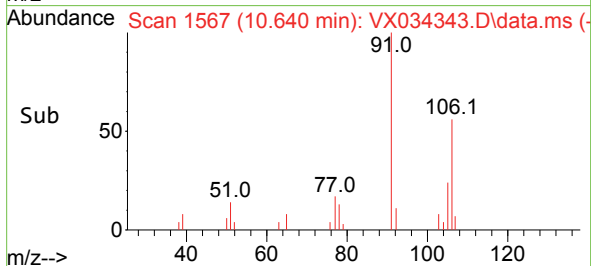
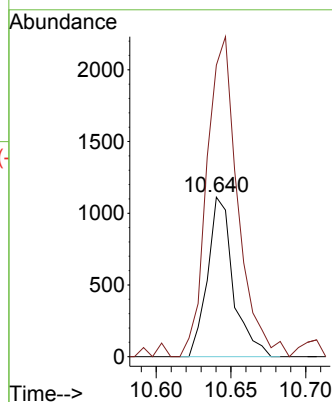
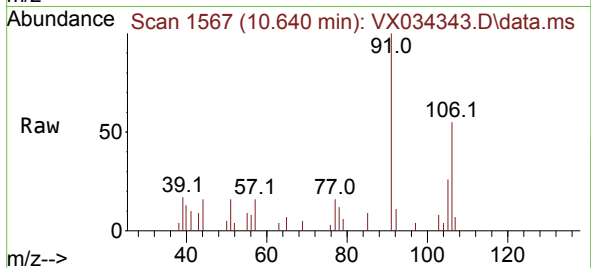
FMC-0081DL

Tgt Ion:106 Resp: 1330

Ion Ratio Lower Upper

106 100

91 241.4 103.1 309.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX034343.D

Acq: 06 Mar 2023 12:36

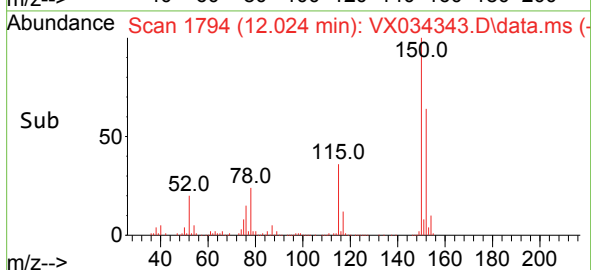
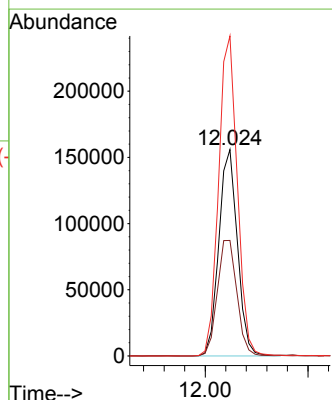
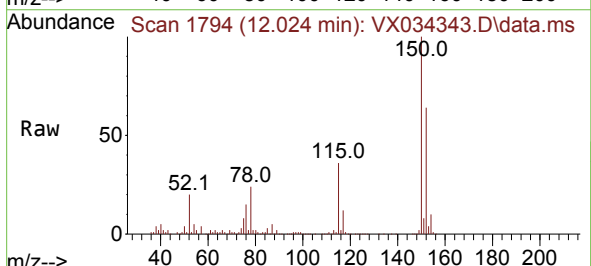
Tgt Ion:152 Resp: 195744

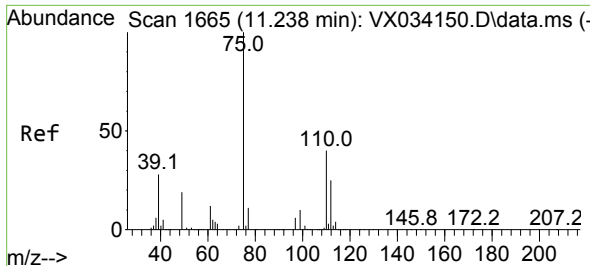
Ion Ratio Lower Upper

152 100

115 59.3 38.7 116.1

150 155.8 0.0 348.2

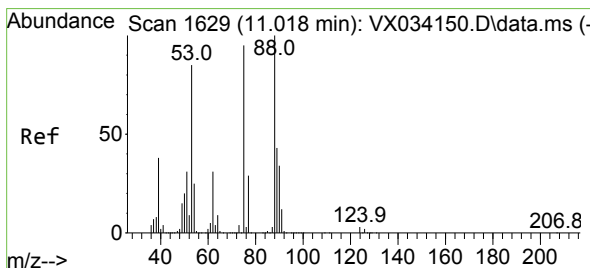
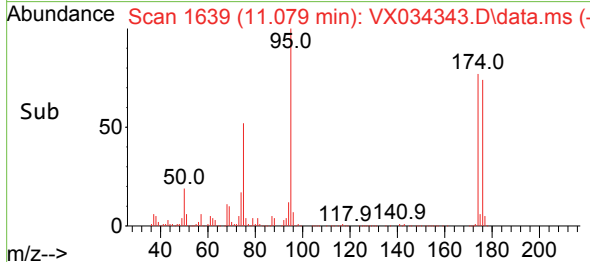
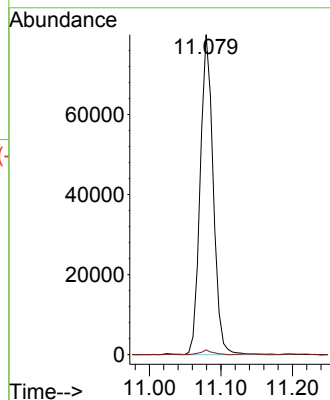
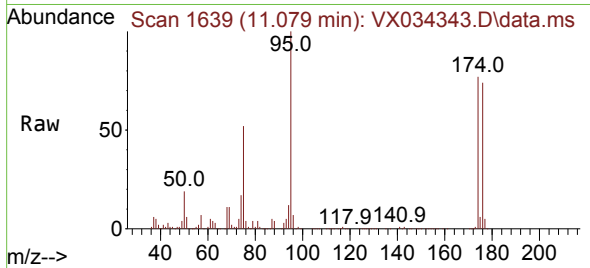




#76
1,2,3-Trichloropropane
Concen: 20.517 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

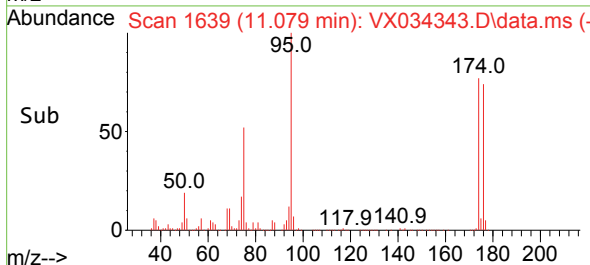
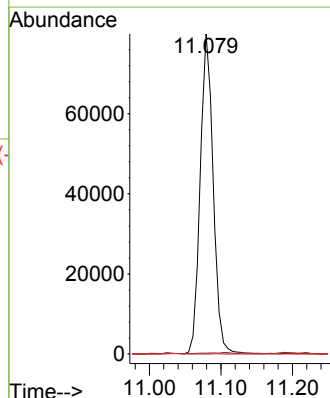
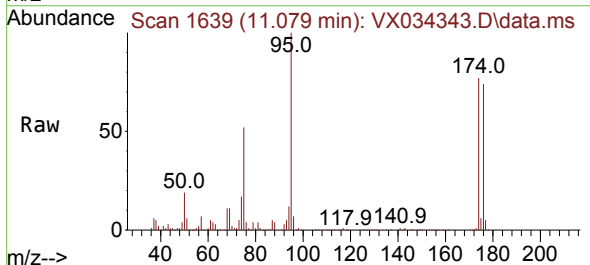
Instrument :
MSVOA_X
ClientSampleId :
FMC-0081DL

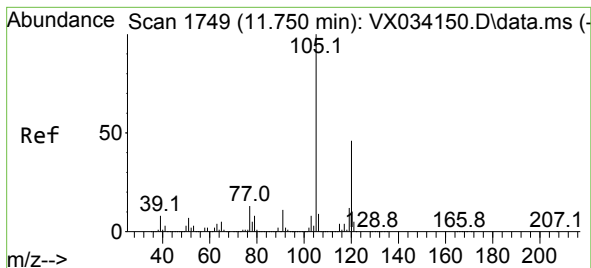
Tgt Ion: 75 Resp: 101054
Ion Ratio Lower Upper
75 100
77 1.4 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.705 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion: 75 Resp: 101054
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#





#84

1,2,4-Trimethylbenzene

Concen: 0.459 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX034343.D

Acq: 06 Mar 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

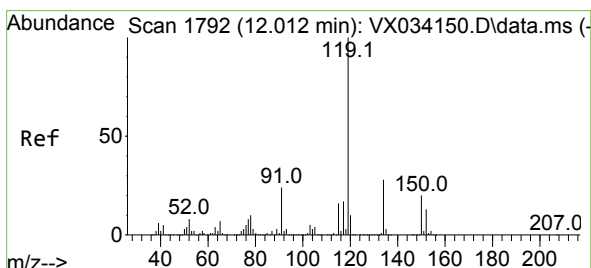
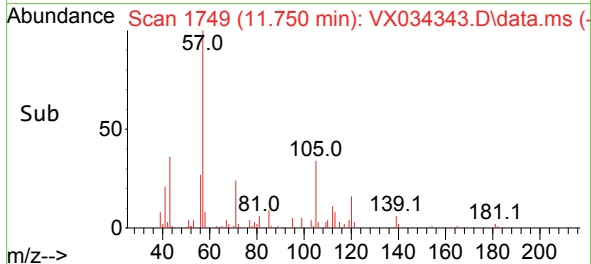
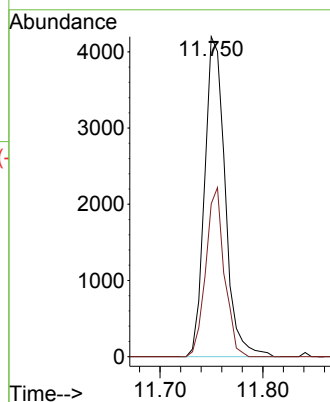
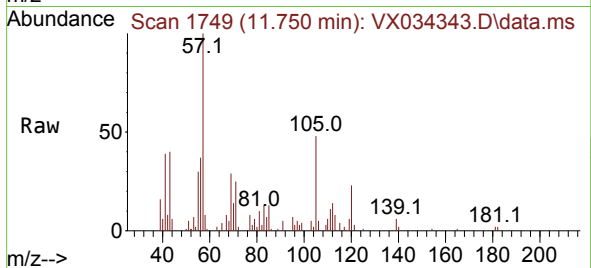
FMC-0081DL

Tgt Ion:105 Resp: 5821

Ion Ratio Lower Upper

105 100

120 48.0 23.4 70.2



#86

p-Isopropyltoluene

Concen: 0.213 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. 0.000 min

Lab File: VX034343.D

Acq: 06 Mar 2023 12:36

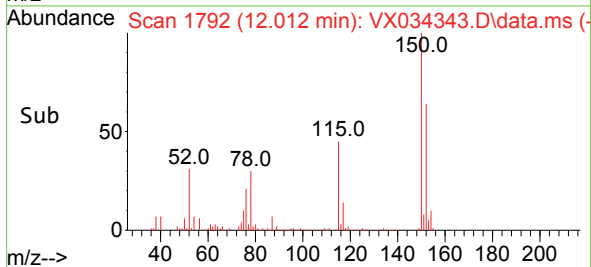
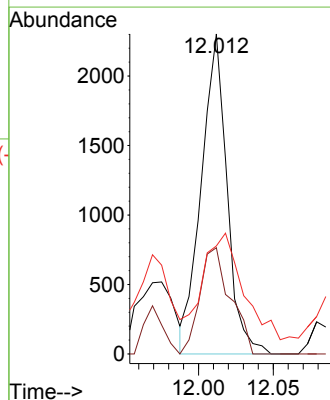
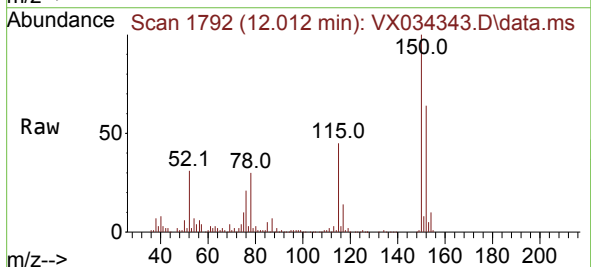
Tgt Ion:119 Resp: 2755

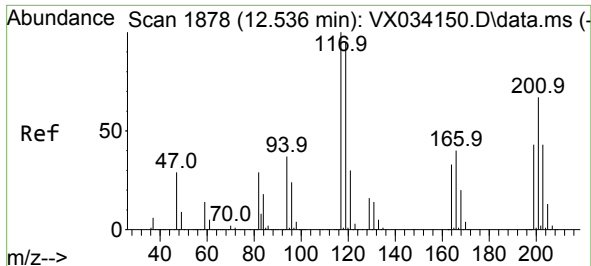
Ion Ratio Lower Upper

119 100

134 39.6 13.6 40.8

91 51.1 11.0 33.0#

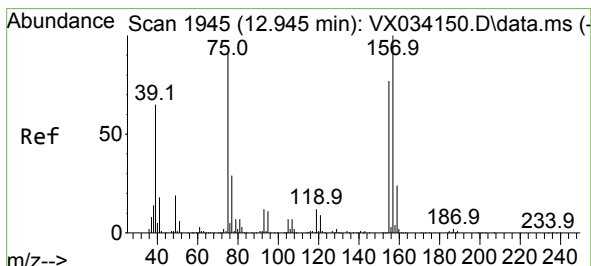
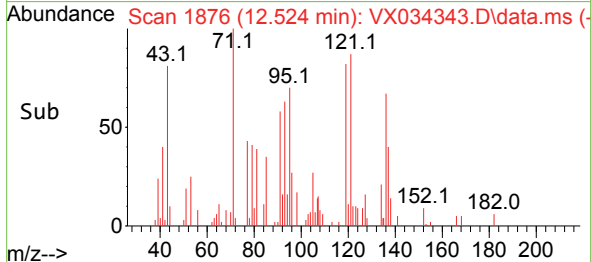
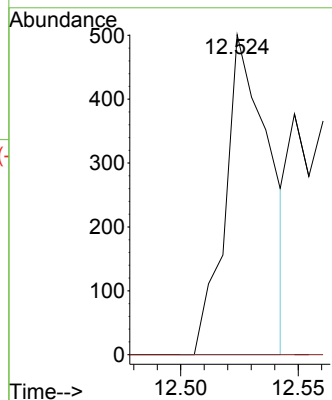
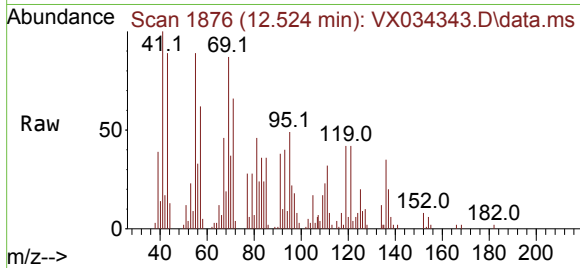




#90
Hexachloroethane
Concen: 0.242 ug/l
RT: 12.524 min Scan# 117
Delta R.T. -0.012 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

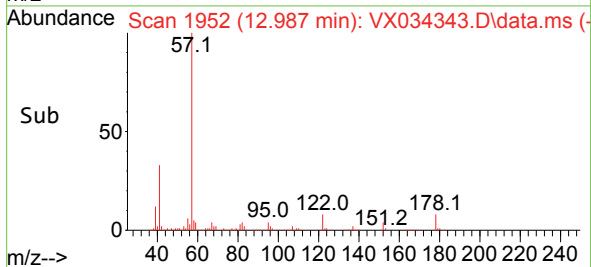
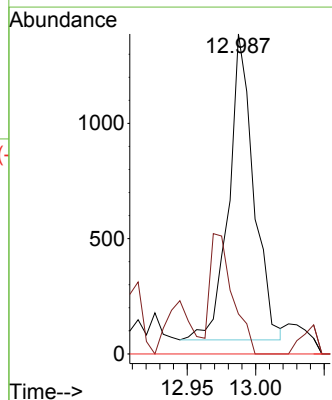
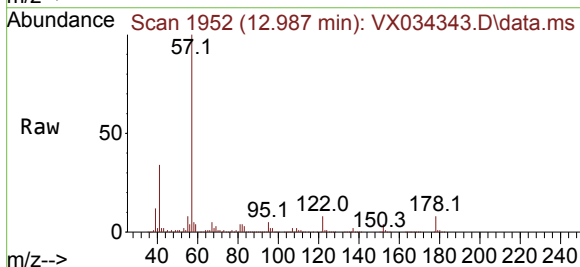
Instrument :
MSVOA_X
ClientSampleId :
FMC-0081DL

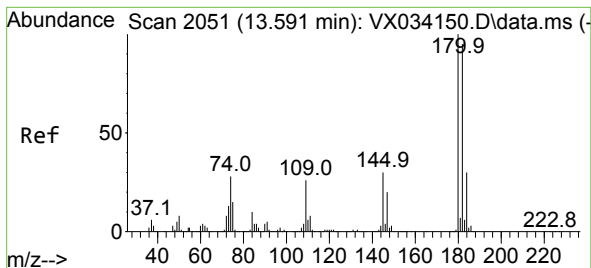
Tgt Ion:117 Resp: 652
Ion Ratio Lower Upper
117 100
201 0.0 45.1 135.3#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.381 ug/l
RT: 12.987 min Scan# 1952
Delta R.T. 0.043 min
Lab File: VX034343.D
Acq: 06 Mar 2023 12:36

Tgt Ion: 75 Resp: 1680
Ion Ratio Lower Upper
75 100
155 35.1 51.7 155.1#
157 0.0 67.5 202.3#





#93

1,2,4-Trichlorobenzene

Concen: 0.231 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.006 min

Lab File: VX034343.D

Acq: 06 Mar 2023 12:36

Instrument :

MSVOA_X

ClientSampleId :

FMC-0081DL

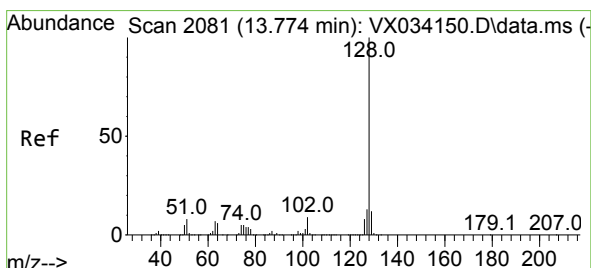
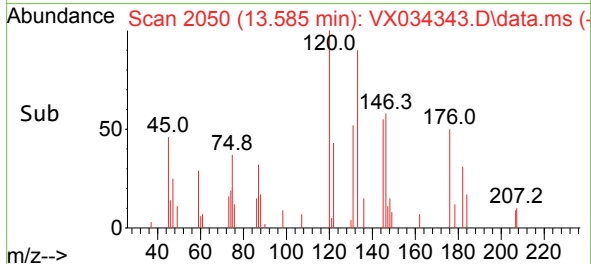
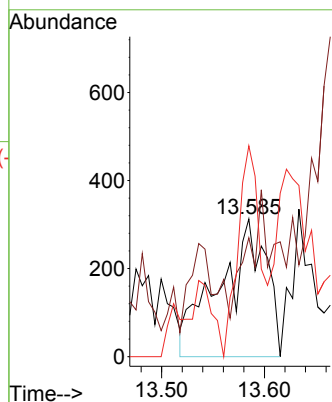
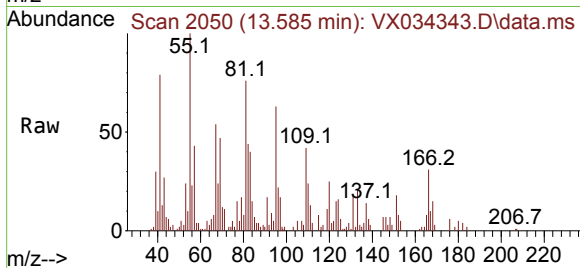
Tgt Ion:180 Resp: 977

Ion Ratio Lower Upper

180 100

182 42.9 47.9 143.6#

145 73.6 14.1 42.2#



#95

Naphthalene

Concen: 0.407 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX034343.D

Acq: 06 Mar 2023 12:36

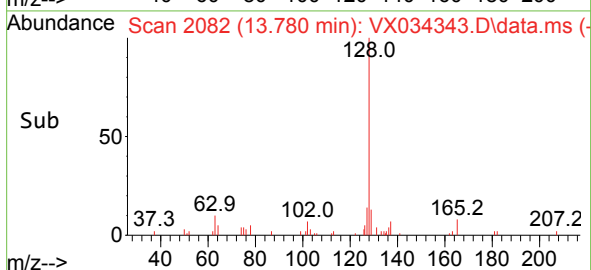
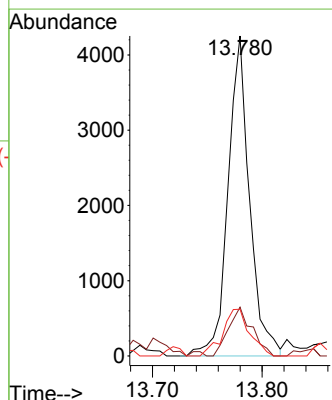
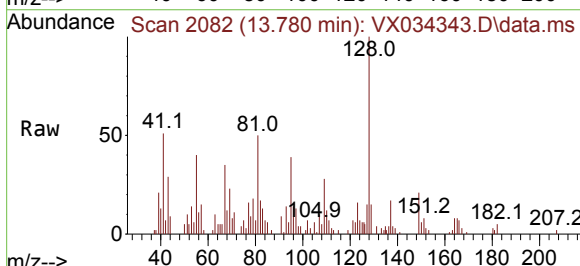
Tgt Ion:128 Resp: 5805

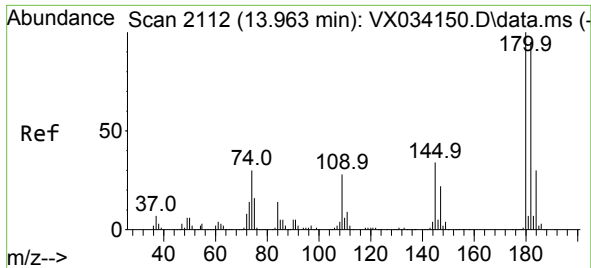
Ion Ratio Lower Upper

128 100

127 16.6 10.3 15.5#

129 18.3 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.202 ug/l
 RT: 13.975 min Scan# 2114
 Delta R.T. 0.012 min
 Lab File: VX034343.D
 Acq: 06 Mar 2023 12:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FMC-0081DL

Tgt Ion:180 Resp: 849
 Ion Ratio Lower Upper
 180 100
 182 38.0 47.6 142.9#
 145 49.8 15.1 45.3#

