

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012422\
 Data File : VN070746.D
 Acq On : 24 Jan 2022 10:46
 Operator : JC/MD
 Sample : VN0124MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0124MBL01

Quant Time: Jan 24 23:28:27 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011822W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 18 13:32:07 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	976614	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1562419	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1364641	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	493775	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	655285	46.818	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.640%
35) Dibromofluoromethane	8.021	113	454734	46.920	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	93.840%
50) Toluene-d8	10.440	98	1912510	46.842	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	93.680%
62) 4-Bromofluorobenzene	12.728	95	647336	44.493	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	88.980%

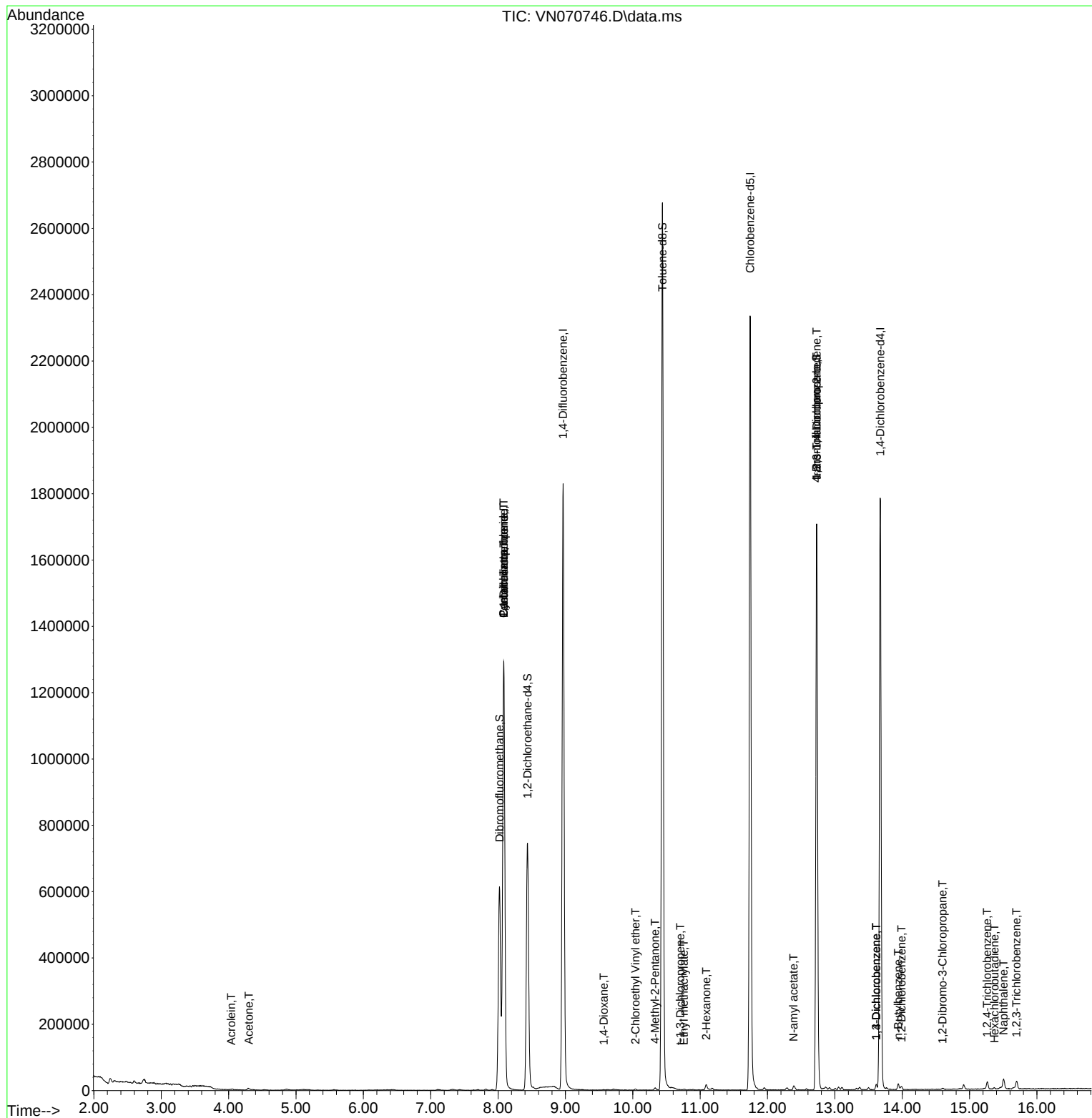
Target Compounds				Qvalue		
13) Acrolein	4.039	56	816	0.225	ug/l #	1
16) Acetone	4.299	43	5613	0.578	ug/l #	78
30) Chloroform	7.817	83	3645	Below Cal		96
31) Cyclohexane	8.083	56	22217	0.901	ug/l #	3
36) 1,1-Dichloropropene	8.083	75	83318	5.107	ug/l #	49
38) Carbon Tetrachloride	8.083	117	100333	6.912	ug/l #	16
49) 1,4-Dioxane	9.571	88	65	0.275	ug/l #	1
51) 4-Methyl-2-Pentanone	10.330	43	5433	0.257	ug/l	95
53) t-1,3-Dichloropropene	10.706	75	272	2.417	ug/l #	84
56) Ethyl methacrylate	10.757	69	738	2.333	ug/l #	14
58) 2-Chloroethyl Vinyl ether	10.041	63	1255	21.437	ug/l #	77
59) 2-Hexanone	11.089	43	15900	1.037	ug/l	91
74) N-amyl acetate	12.387	43	9555	0.500	ug/l #	85
76) 1,2,3-Trichloropropane	12.731	75	342526	26.155	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	342526	77.919	ug/l #	5
87) 1,3-Dichlorobenzene	13.616	146	4357	0.250	ug/l	91
88) 1,4-Dichlorobenzene	13.616	146	4357	0.251	ug/l	91
89) n-Butylbenzene	13.940	91	11781	0.407	ug/l	93
91) 1,2-Dichlorobenzene	13.991	146	4862	0.282	ug/l	91
92) 1,2-Dibromo-3-Chloropr...	14.597	75	1047	0.391	ug/l	72
93) 1,2,4-Trichlorobenzene	15.263	180	8212	4.264	ug/l	98
94) Hexachlorobutadiene	15.370	225	1137	0.223	ug/l	84
95) Naphthalene	15.504	128	28342	5.946	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.694	180	10284	4.319	ug/l	94

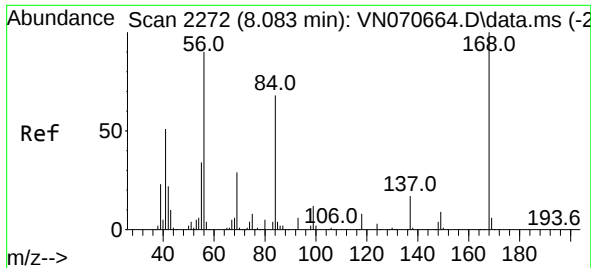
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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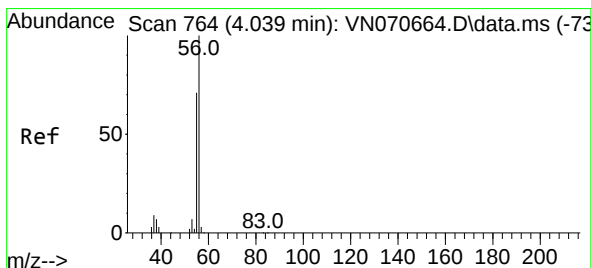
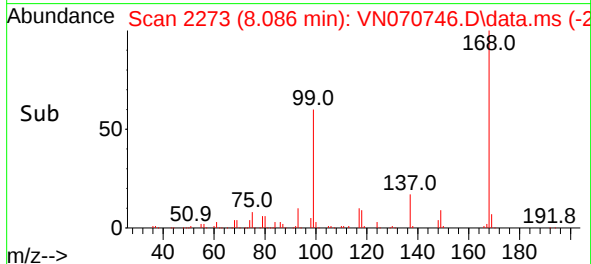
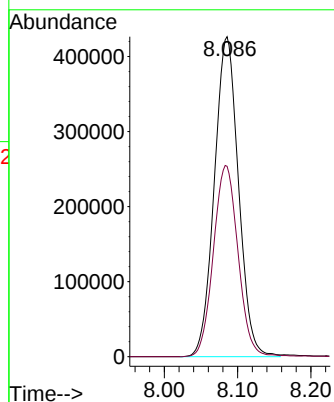
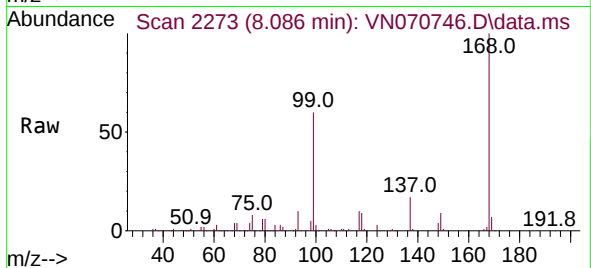




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

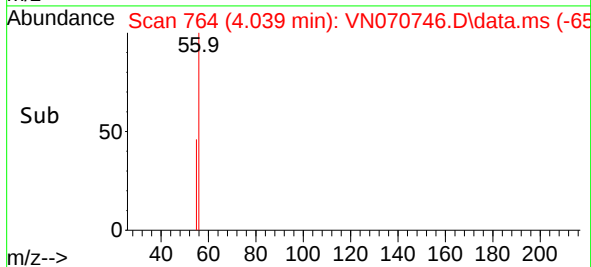
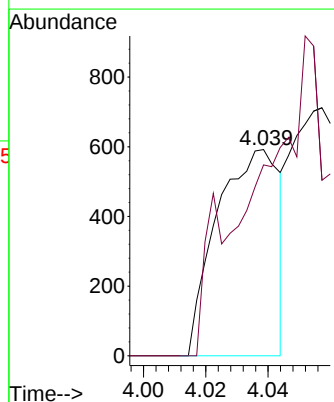
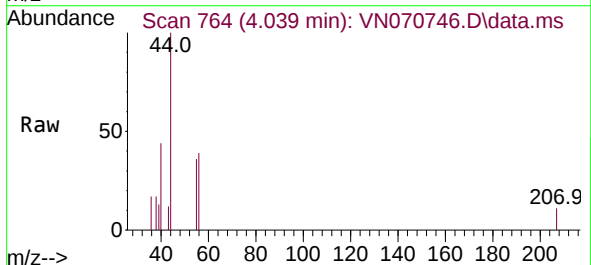
Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

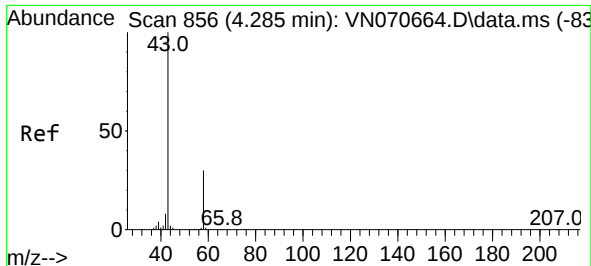
Tgt Ion:168 Resp: 976614
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9



#13
Acrolein
Concen: 0.225 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.000 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion: 56 Resp: 816
Ion Ratio Lower Upper
56 100
55 190.0 56.6 85.0#

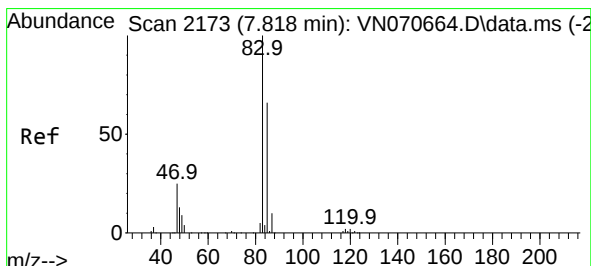
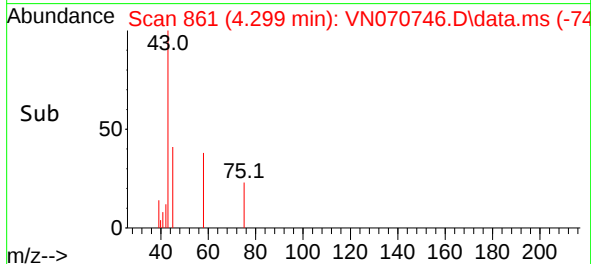
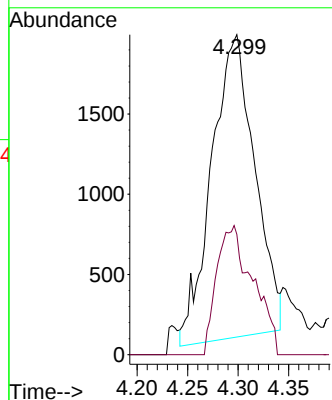
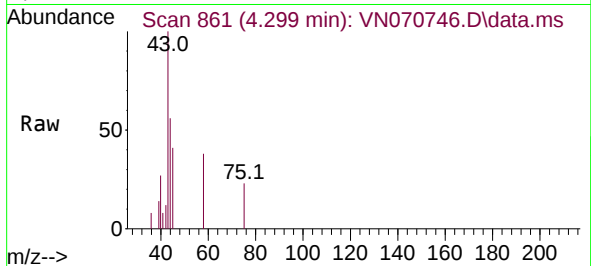




#16
Acetone
Concen: 0.578 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

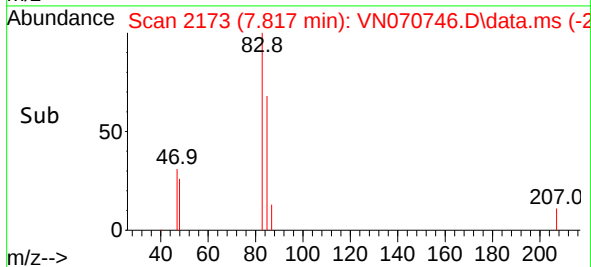
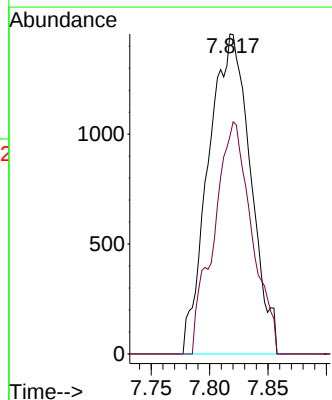
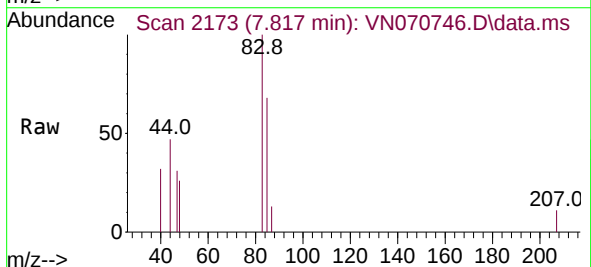
Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

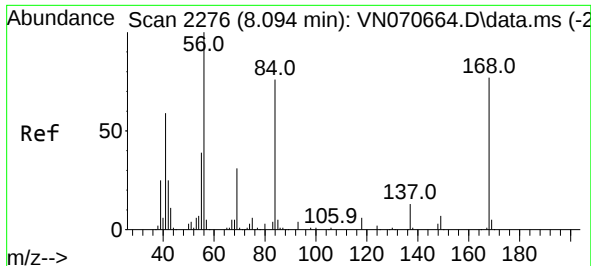
Tgt Ion: 43 Resp: 5613
Ion Ratio Lower Upper
43 100
58 40.7 23.1 34.7#



#30
Chloroform
Concen: Below Cal
RT: 7.817 min Scan# 2173
Delta R.T. -0.001 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion: 83 Resp: 3645
Ion Ratio Lower Upper
83 100
85 68.1 51.9 77.9

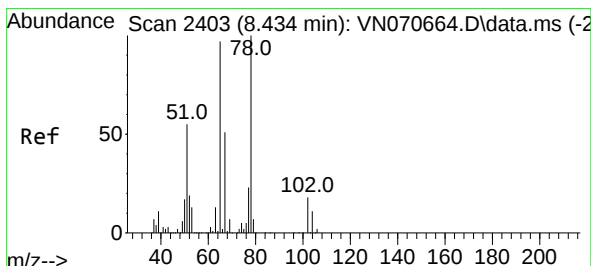
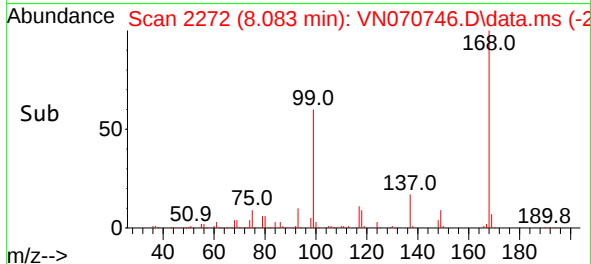
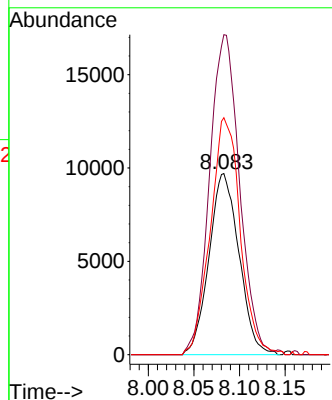
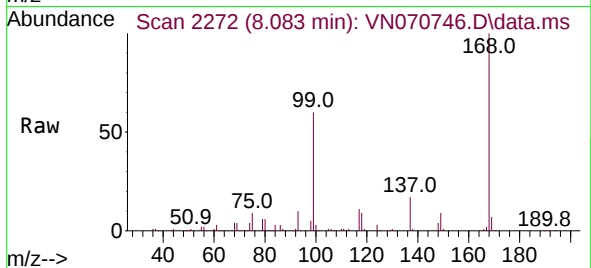




#31
Cyclohexane
Concen: 0.901 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.011 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

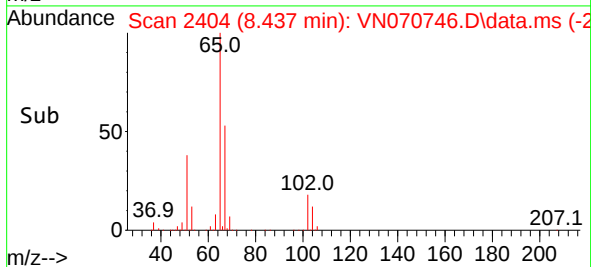
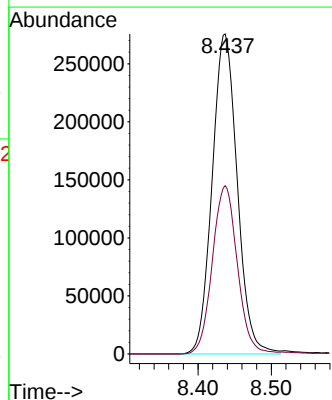
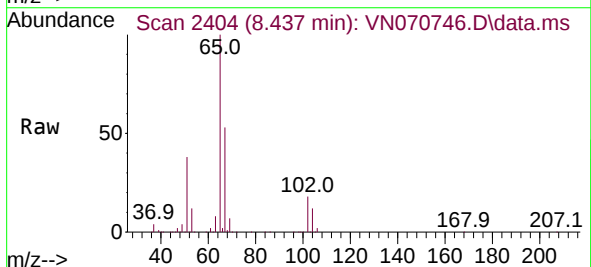
Instrument :
MSVOA_N
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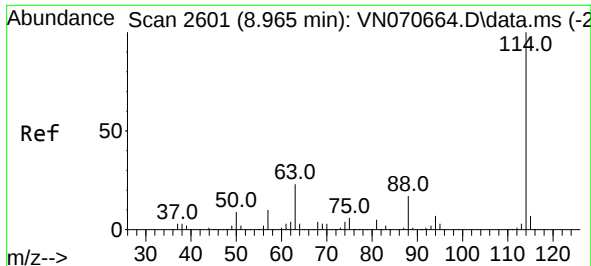
Tgt Ion: 56 Resp: 22217
Ion Ratio Lower Upper
56 100
69 176.6 27.1 40.7#
84 130.8 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.818 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion: 65 Resp: 655285
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0

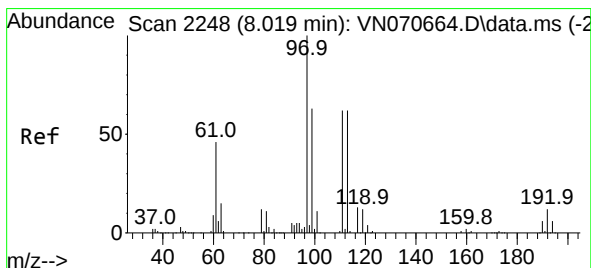
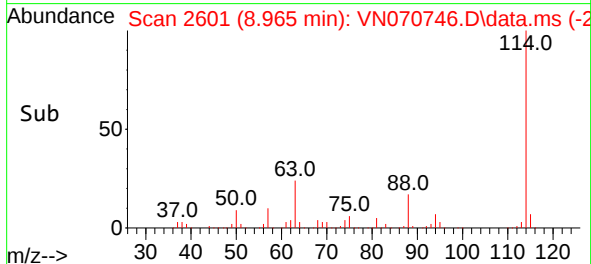
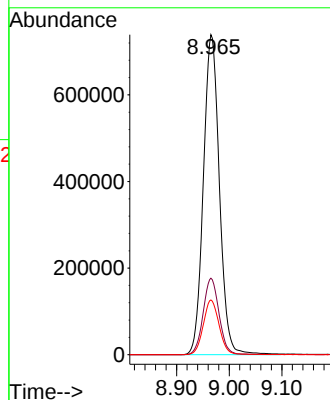
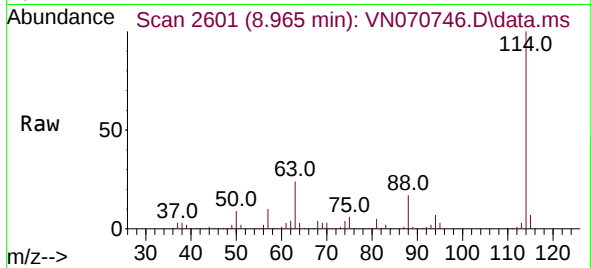




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.965 min Scan# 2601
Delta R.T. 0.000 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

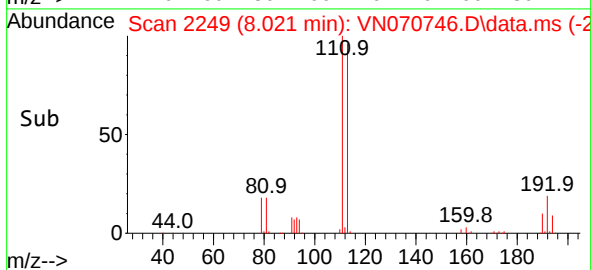
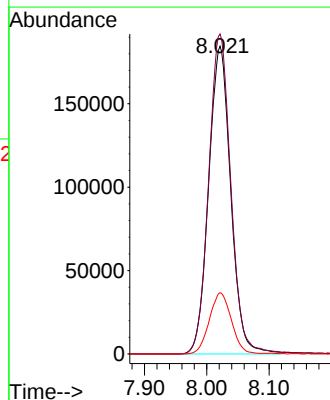
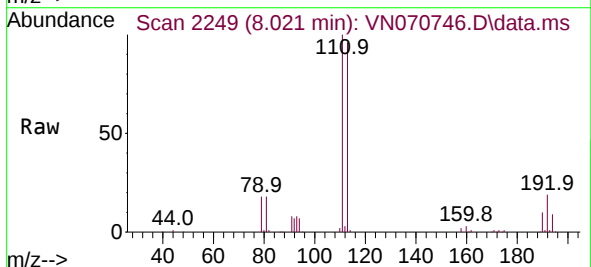
Instrument :
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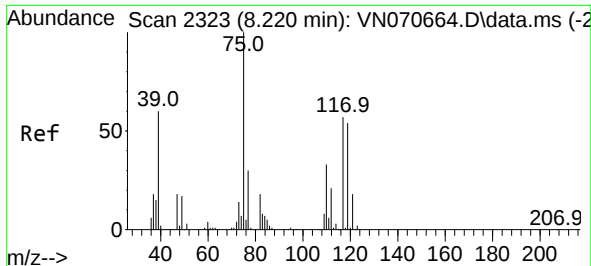
Tgt Ion:114 Resp: 1562419
Ion Ratio Lower Upper
114 100
63 23.9 0.0 37.8
88 17.1 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.920 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.002 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion:113 Resp: 454734
Ion Ratio Lower Upper
113 100
111 104.3 82.2 123.2
192 19.8 16.9 25.3

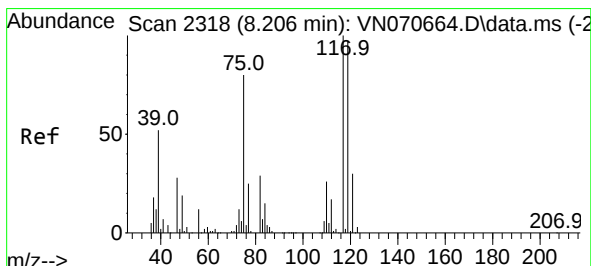
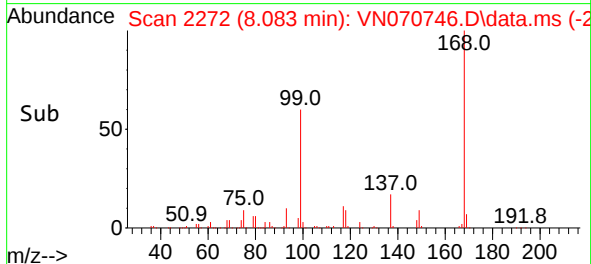
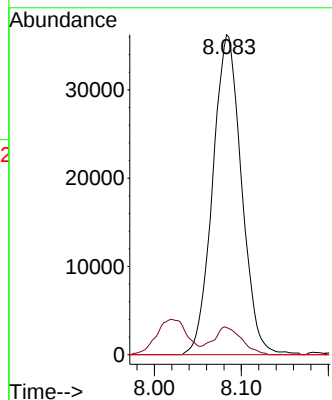
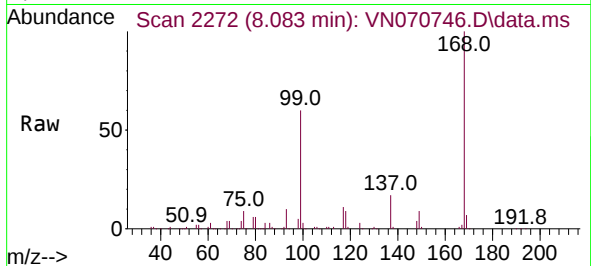




#36
1,1-Dichloropropene
Concen: 5.107 ug/l
RT: 8.083 min Scan# 211
Delta R.T. -0.137 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

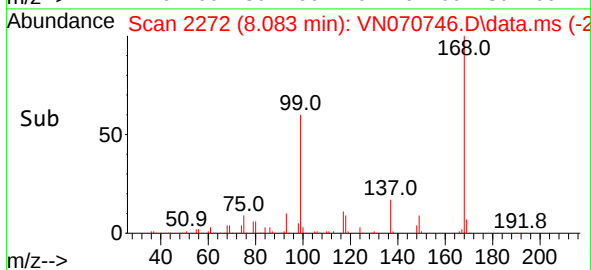
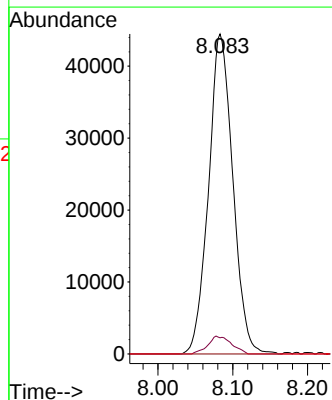
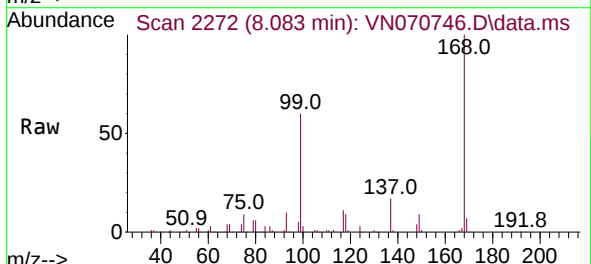
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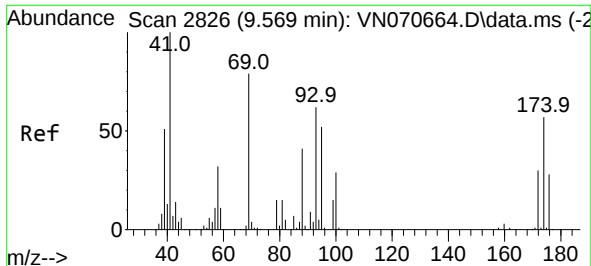
Tgt Ion: 75 Resp: 83318
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.912 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.123 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion: 117 Resp: 100333
Ion Ratio Lower Upper
117 100
119 5.0 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.275 ug/l

RT: 9.571 min Scan# 21

Delta R.T. 0.002 min

Lab File: VN070746.D

Acq: 24 Jan 2022 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0124MBL01

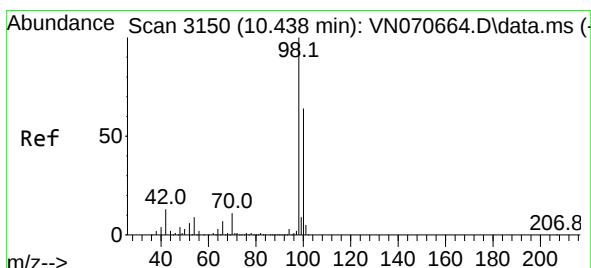
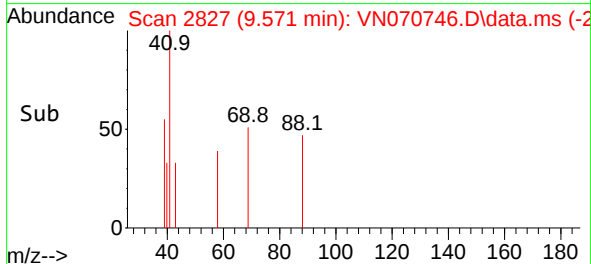
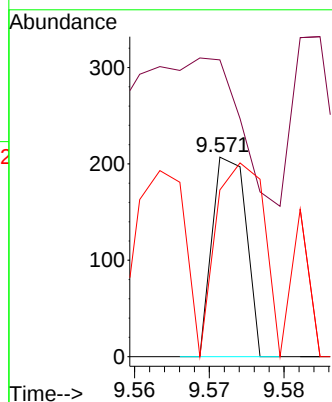
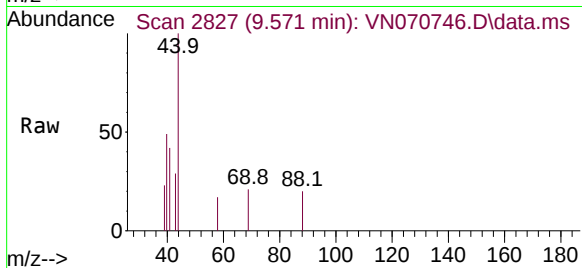
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 676.9 23.4 35.2#

58 175.4 50.6 75.8#



#50

Toluene-d8

Concen: 46.842 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.002 min

Lab File: VN070746.D

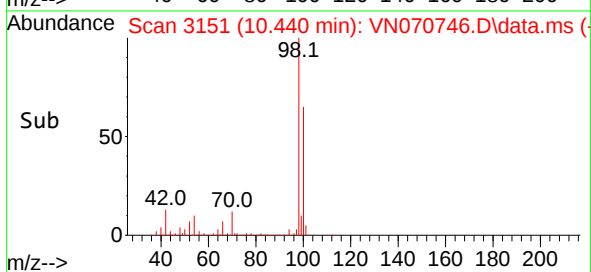
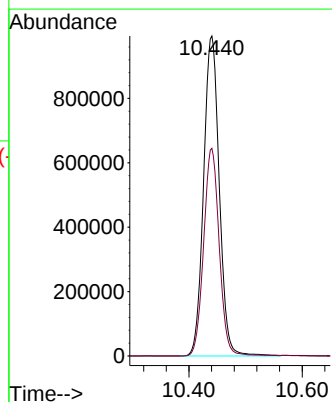
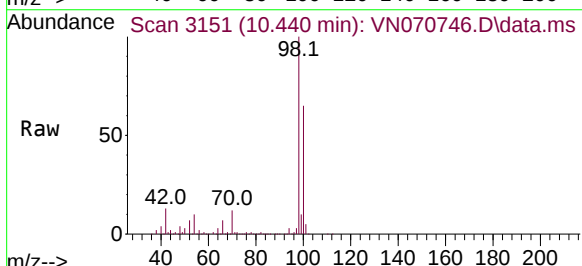
Acq: 24 Jan 2022 10:46

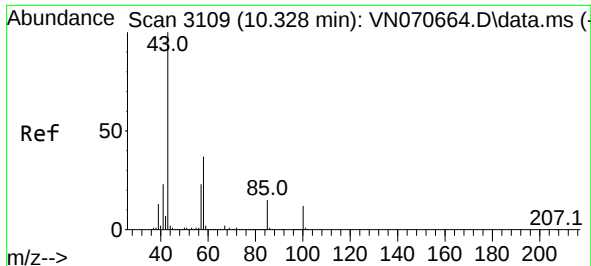
Tgt Ion: 98 Resp: 1912510

Ion Ratio Lower Upper

98 100

100 64.4 50.4 75.6





#51

4-Methyl-2-Pentanone

Concen: 0.257 ug/l

RT: 10.330 min Scan# 3110

Delta R.T. 0.002 min

Lab File: VN070746.D

Acq: 24 Jan 2022 10:46

Instrument :

MSVOA_N

ClientSampleId :

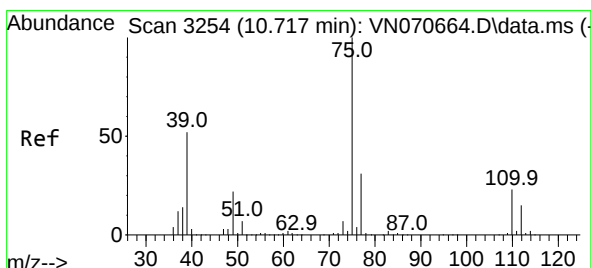
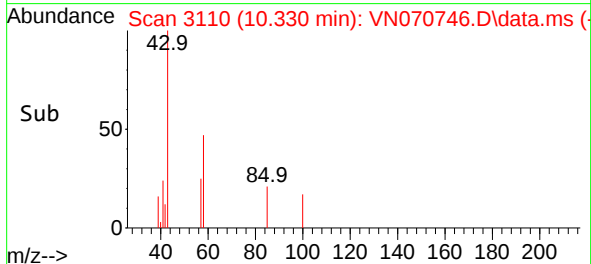
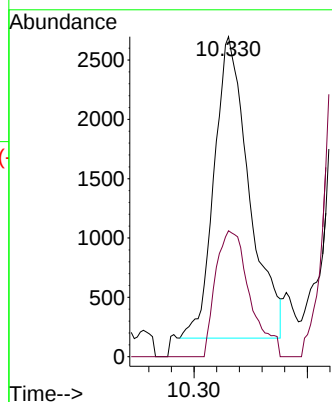
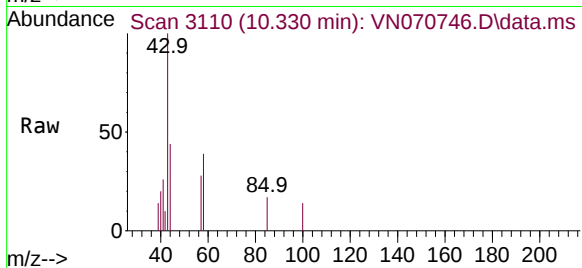
VN0124MBL01

Tgt Ion: 43 Resp: 5433

Ion Ratio Lower Upper

43 100

58 40.8 30.4 45.6



#53

t-1,3-Dichloropropene

Concen: 2.417 ug/l

RT: 10.706 min Scan# 3250

Delta R.T. -0.011 min

Lab File: VN070746.D

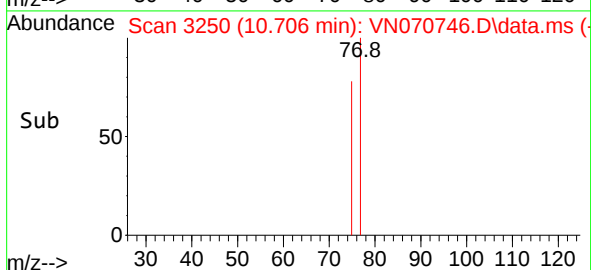
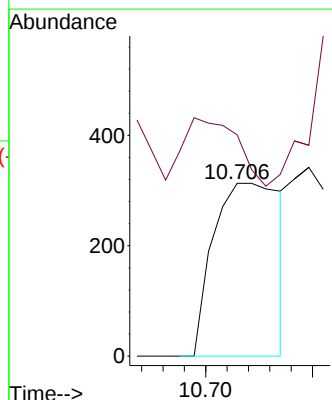
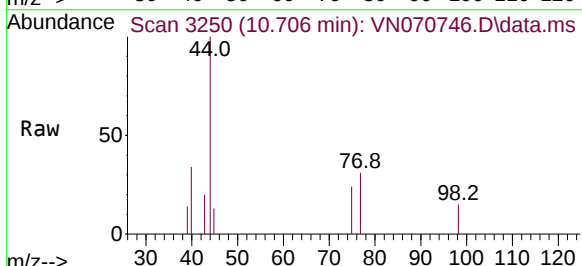
Acq: 24 Jan 2022 10:46

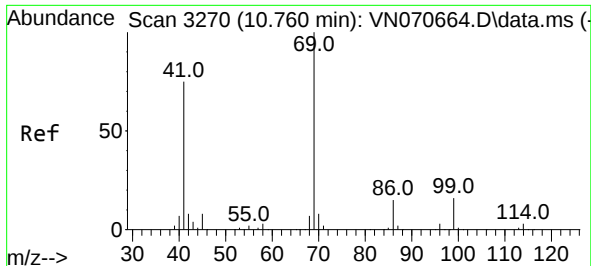
Tgt Ion: 75 Resp: 272

Ion Ratio Lower Upper

75 100

77 23.0 25.6 38.4#

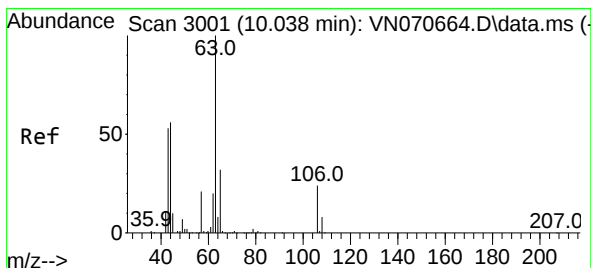
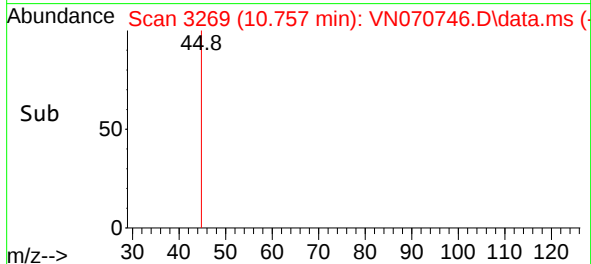
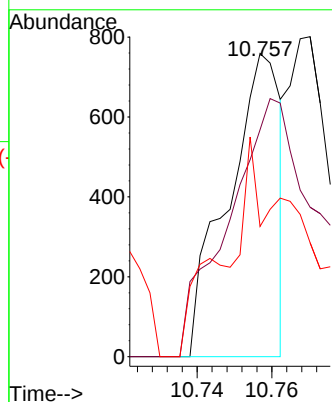
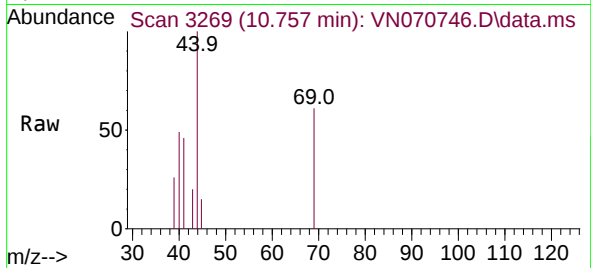




#56
Ethyl methacrylate
Concen: 2.333 ug/l
RT: 10.757 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

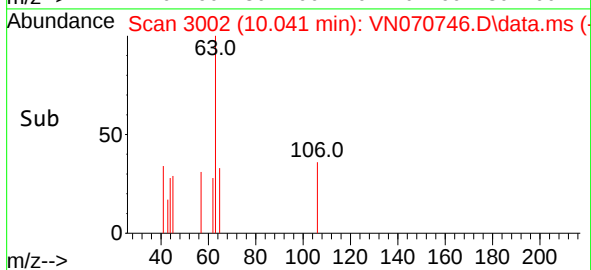
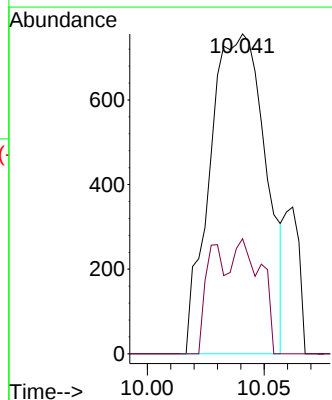
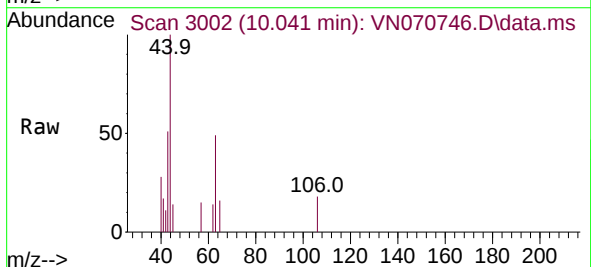
Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

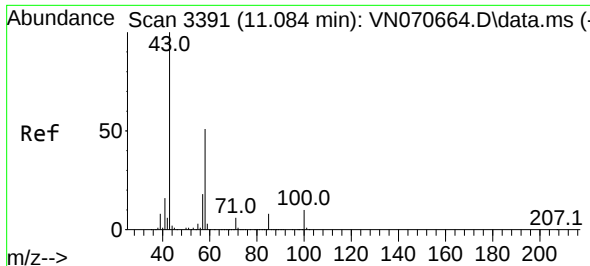
Tgt Ion: 69 Resp: 738
Ion Ratio Lower Upper
69 100
41 152.8 51.4 77.0#
39 13.1 34.6 52.0#



#58
2-Chloroethyl Vinyl ether
Concen: 21.437 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. 0.003 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion: 63 Resp: 1255
Ion Ratio Lower Upper
63 100
106 17.2 23.9 35.9#

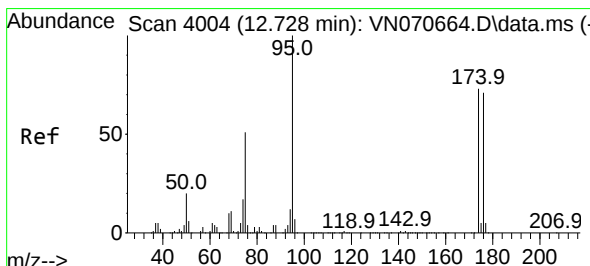
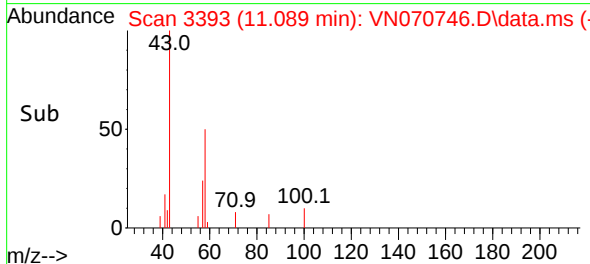
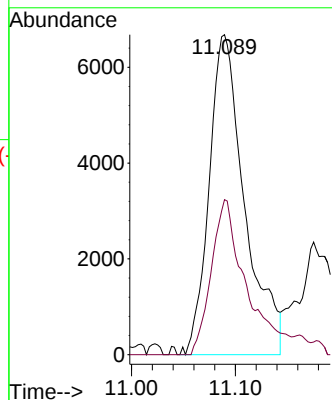
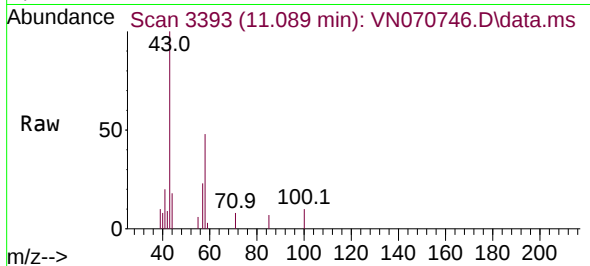




#59
2-Hexanone
Concen: 1.037 ug/l
RT: 11.089 min Scan# 3391
Delta R.T. 0.005 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

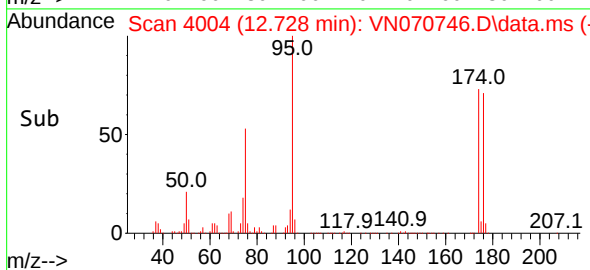
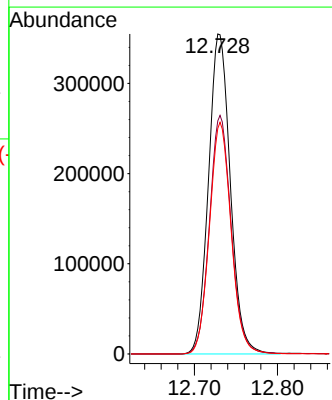
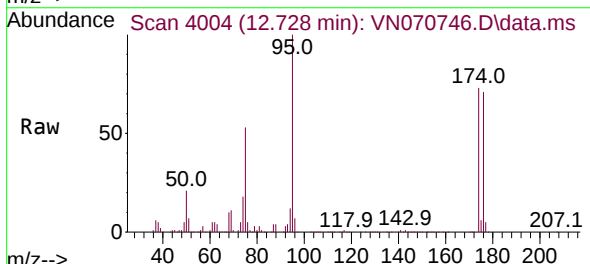
Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

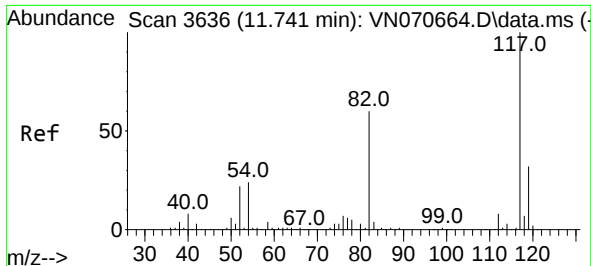
Tgt Ion: 43 Resp: 15900
Ion Ratio Lower Upper
43 100
58 47.7 26.9 80.7



#62
4-Bromofluorobenzene
Concen: 44.493 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. 0.000 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion: 95 Resp: 647336
Ion Ratio Lower Upper
95 100
174 74.4 0.0 187.2
176 71.9 0.0 181.4

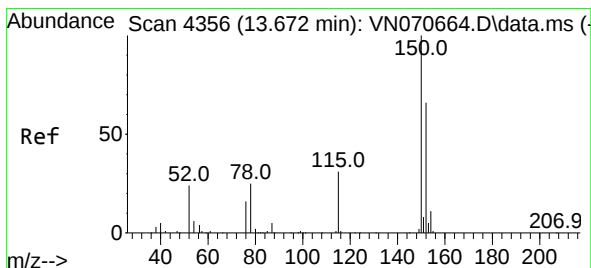
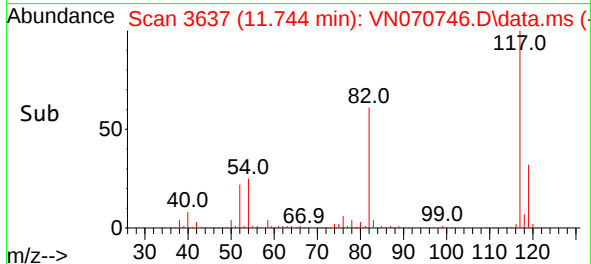
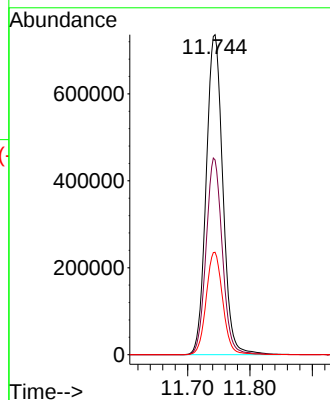
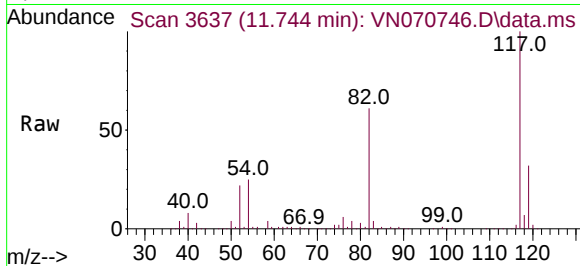




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 30
Delta R.T. 0.003 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

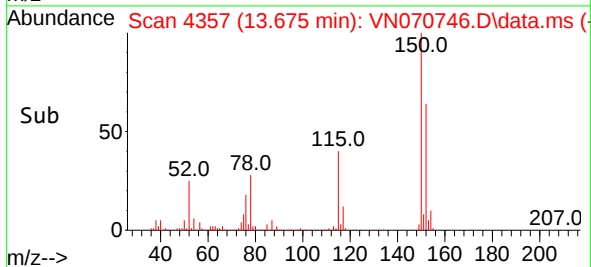
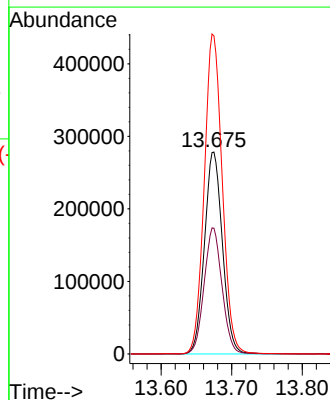
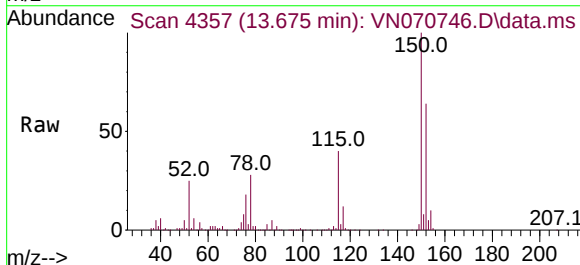
Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

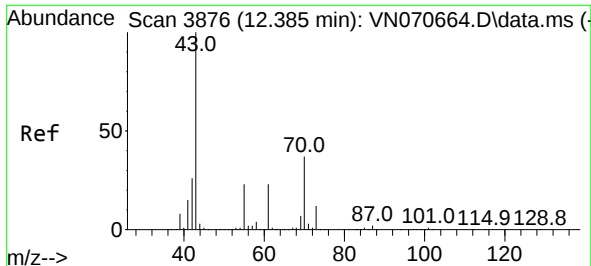
Tgt Ion:117 Resp: 1364641
Ion Ratio Lower Upper
117 100
82 60.9 42.4 63.6
119 32.0 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion:152 Resp: 493775
Ion Ratio Lower Upper
152 100
115 62.1 27.5 82.5
150 157.9 0.0 344.4

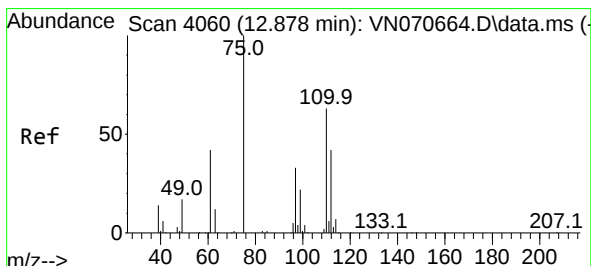
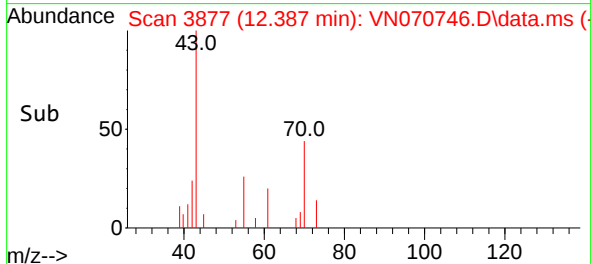
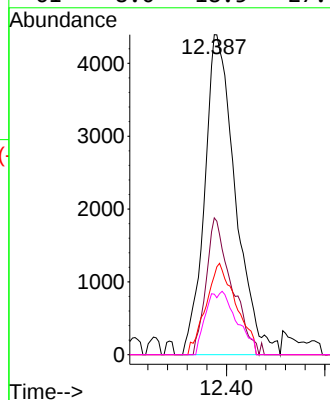
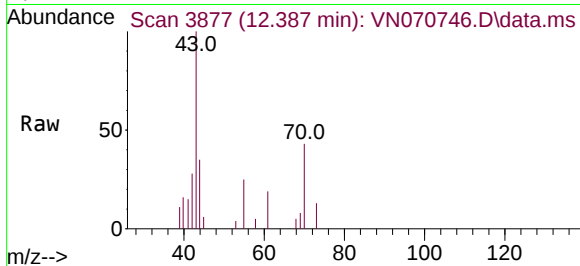




#74
N-amy1 acetate
Concen: 0.500 ug/l
RT: 12.387 min Scan# 3876
Delta R.T. 0.002 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

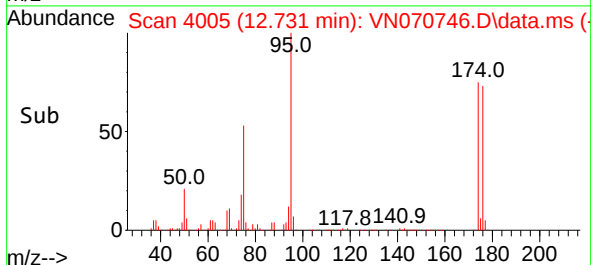
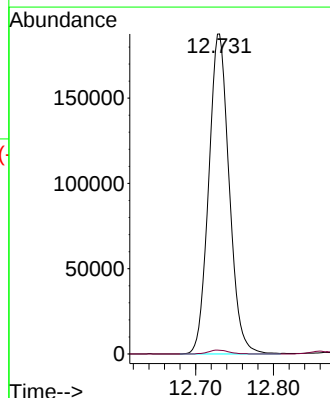
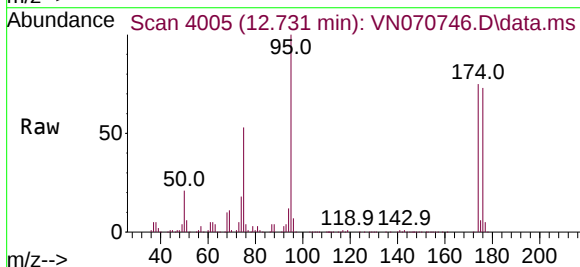
Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

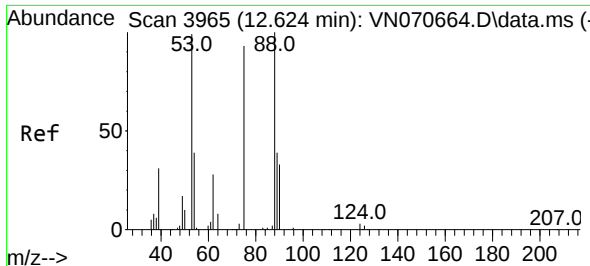
Tgt Ion:	43	Resp:	9555
Ion	Ratio	Lower	Upper
43	100		
70	35.7	33.4	50.0
55	27.9	19.3	28.9
61	8.0	18.5	27.7



#76
1,2,3-Trichloropropane
Concen: 26.155 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion:	75	Resp:	342526
Ion	Ratio	Lower	Upper
75	100		
77	1.2	82.6	247.8

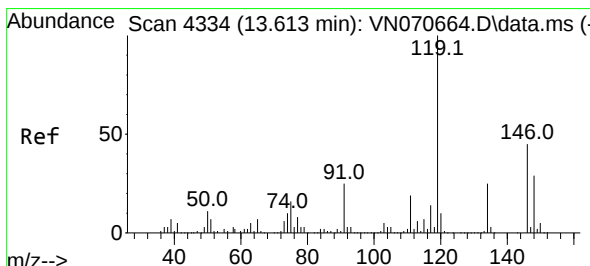
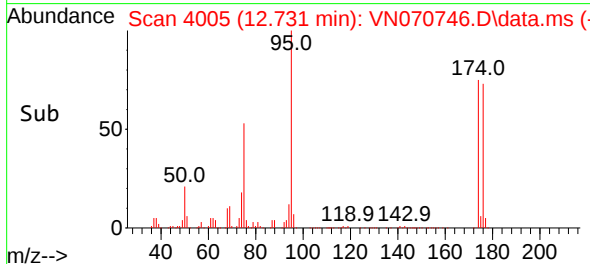
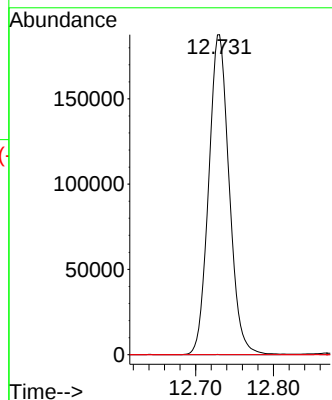
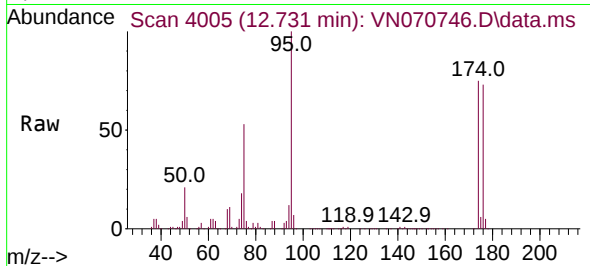




#81
trans-1,4-Dichloro-2-butene
Concen: 77.919 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

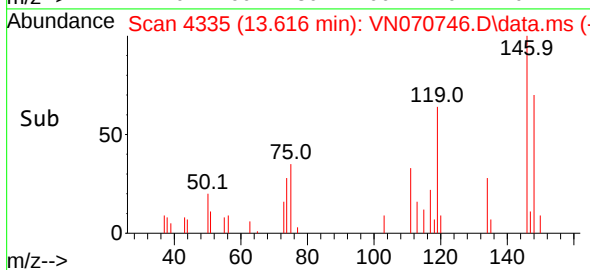
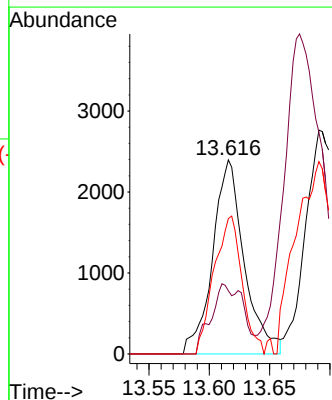
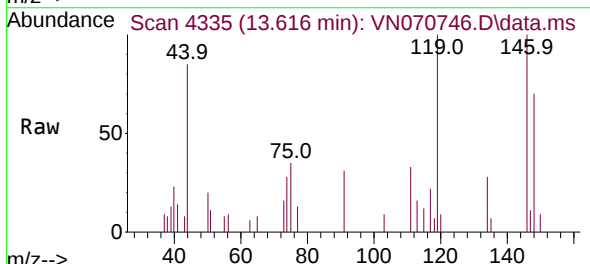
Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

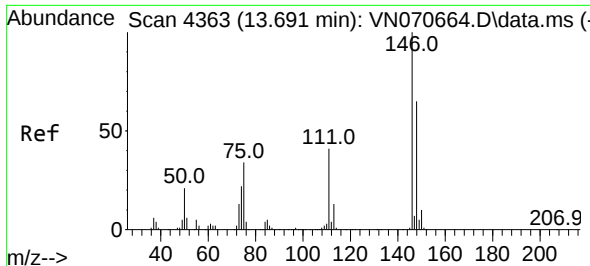
Tgt Ion: 75 Resp: 342526
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#



#87
1,3-Dichlorobenzene
Concen: 0.250 ug/l
RT: 13.616 min Scan# 4335
Delta R.T. 0.003 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion:146 Resp: 4357
Ion Ratio Lower Upper
146 100
111 23.4 18.6 55.6
148 62.7 31.6 95.0

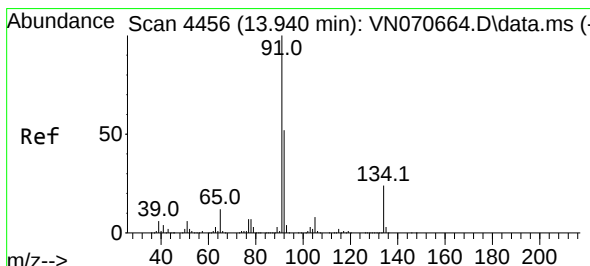
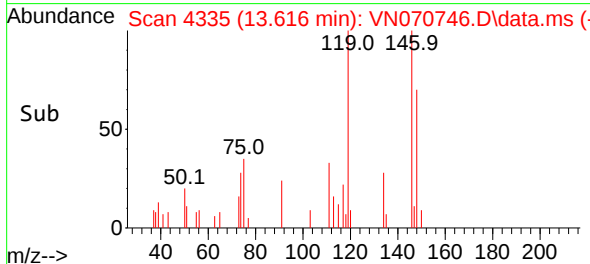
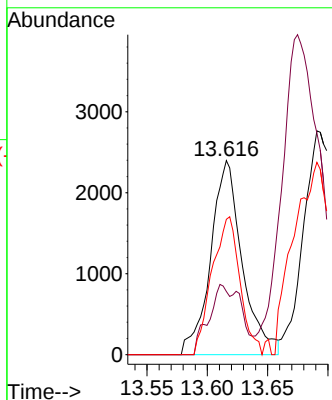
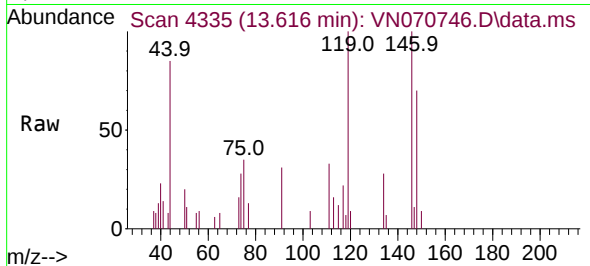




#88
1,4-Dichlorobenzene
Concen: 0.251 ug/l
RT: 13.616 min Scan# 4363
Delta R.T. -0.075 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

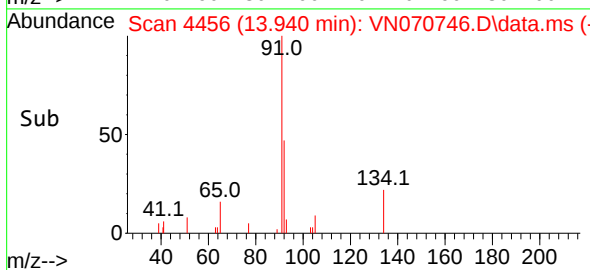
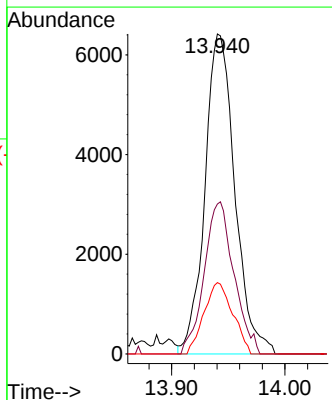
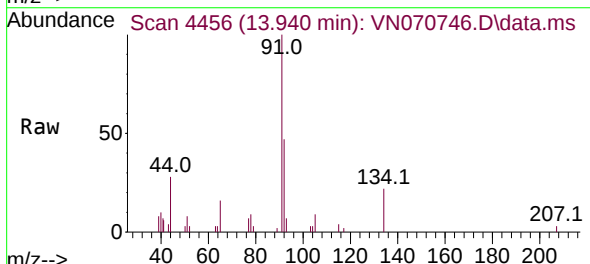
Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

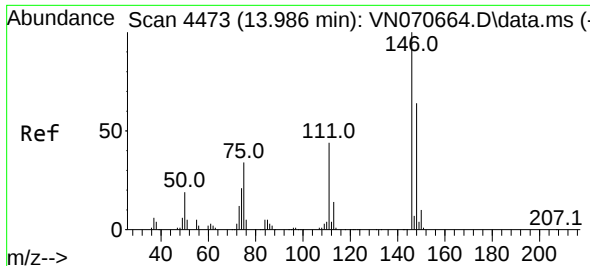
Tgt Ion:146	Resp:	4357
Ion Ratio	Lower	Upper
146	100	
111	23.4	18.3 54.8
148	62.7	31.8 95.4



#89
n-Butylbenzene
Concen: 0.407 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion: 91	Resp:	11781
Ion Ratio	Lower	Upper
91	100	
92	47.1	25.4 76.0
134	21.4	13.6 40.8

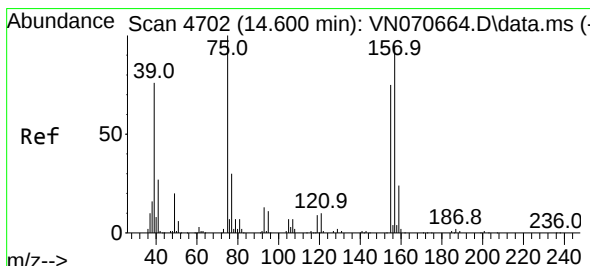
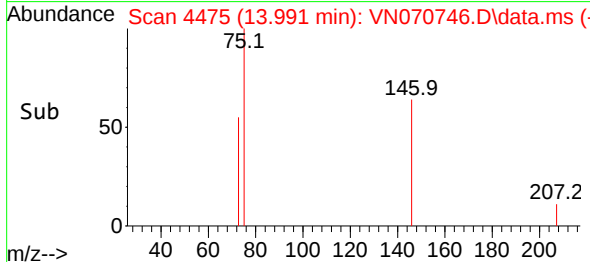
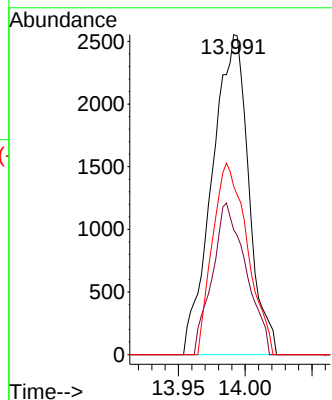
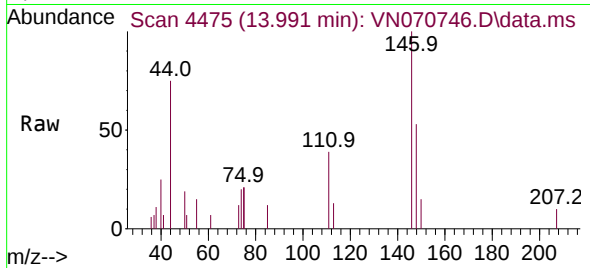




#91
1,2-Dichlorobenzene
Concen: 0.282 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.005 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

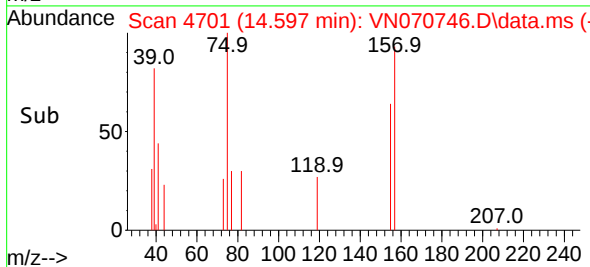
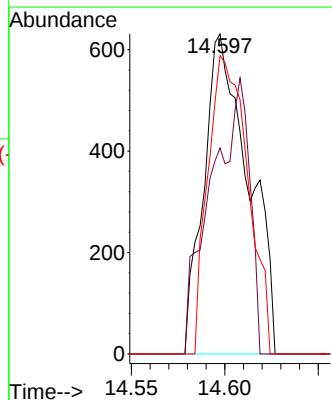
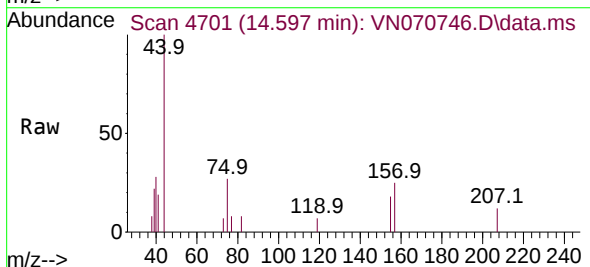
Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

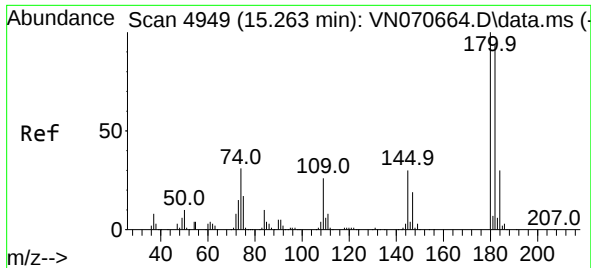
Tgt Ion:146 Resp: 4862
Ion Ratio Lower Upper
146 100
111 43.6 19.1 57.3
148 56.9 32.1 96.3



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.391 ug/l
RT: 14.597 min Scan# 4701
Delta R.T. -0.003 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion: 75 Resp: 1047
Ion Ratio Lower Upper
75 100
155 74.0 46.9 140.7
157 83.3 60.6 181.7

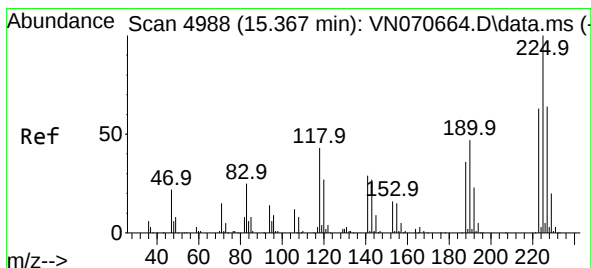
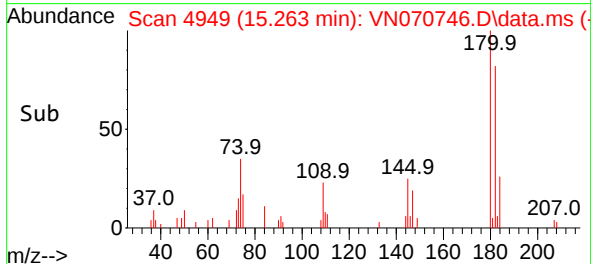
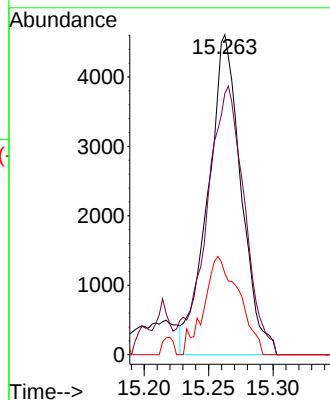
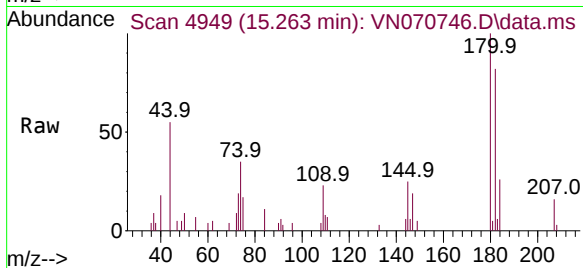




#93
 1,2,4-Trichlorobenzene
 Concen: 4.264 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.000 min
 Lab File: VN070746.D
 Acq: 24 Jan 2022 10:46

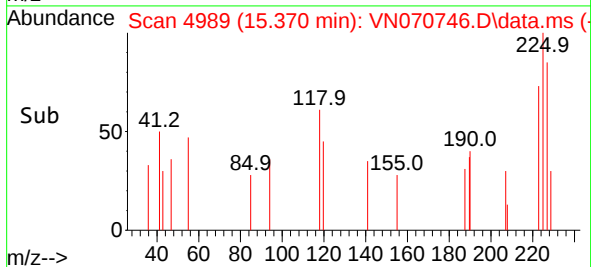
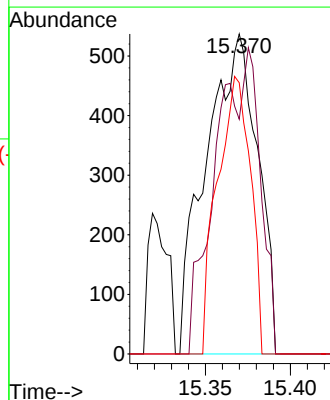
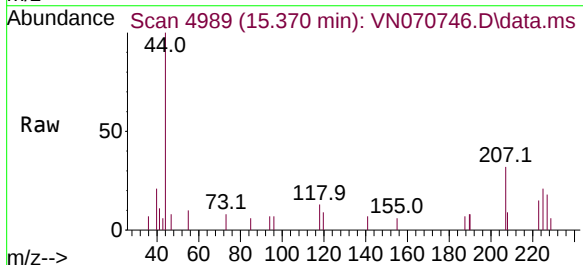
Instrument :
 MSVOA_N
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 VN0124MBL01

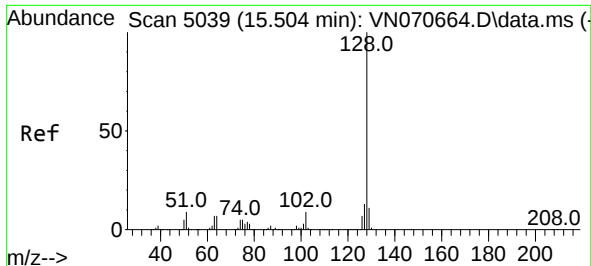
Tgt Ion:180 Resp: 8212
 Ion Ratio Lower Upper
 180 100
 182 96.4 48.3 144.9
 145 32.5 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 0.223 ug/l
 RT: 15.370 min Scan# 4989
 Delta R.T. 0.003 min
 Lab File: VN070746.D
 Acq: 24 Jan 2022 10:46

Tgt Ion:225 Resp: 1137
 Ion Ratio Lower Upper
 225 100
 223 47.9 31.9 95.7
 227 55.3 32.1 96.3

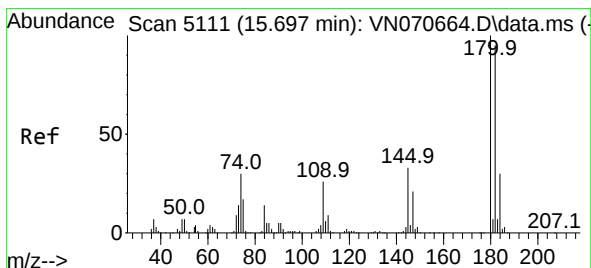
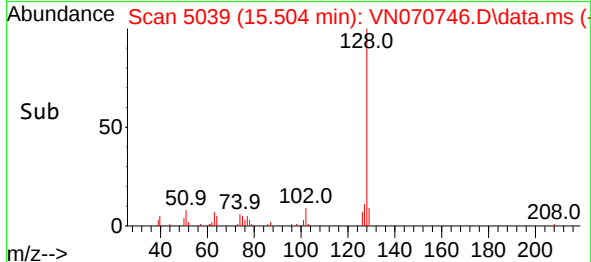
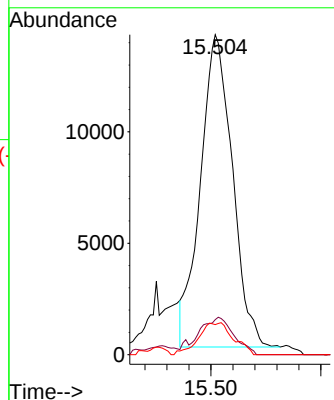
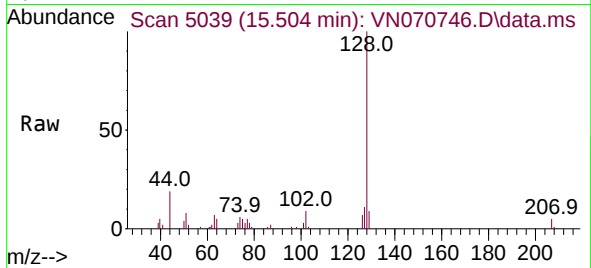




#95
Naphthalene
Concen: 5.946 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0124MBL01

Tgt Ion:128 Resp: 28342
Ion Ratio Lower Upper
128 100
127 12.3 10.5 15.7
129 5.7 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 4.319 ug/l
RT: 15.694 min Scan# 5110
Delta R.T. -0.003 min
Lab File: VN070746.D
Acq: 24 Jan 2022 10:46

Tgt Ion:180 Resp: 10284
Ion Ratio Lower Upper
180 100
182 101.0 47.4 142.2
145 28.3 15.0 45.1

