

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020322\
 Data File : VN070926.D
 Acq On : 3 Feb 2022 13:34
 Operator : JC/MD
 Sample : N1362-04
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 04 04:42:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:30:39 2022
 Response via : Initial Calibration

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

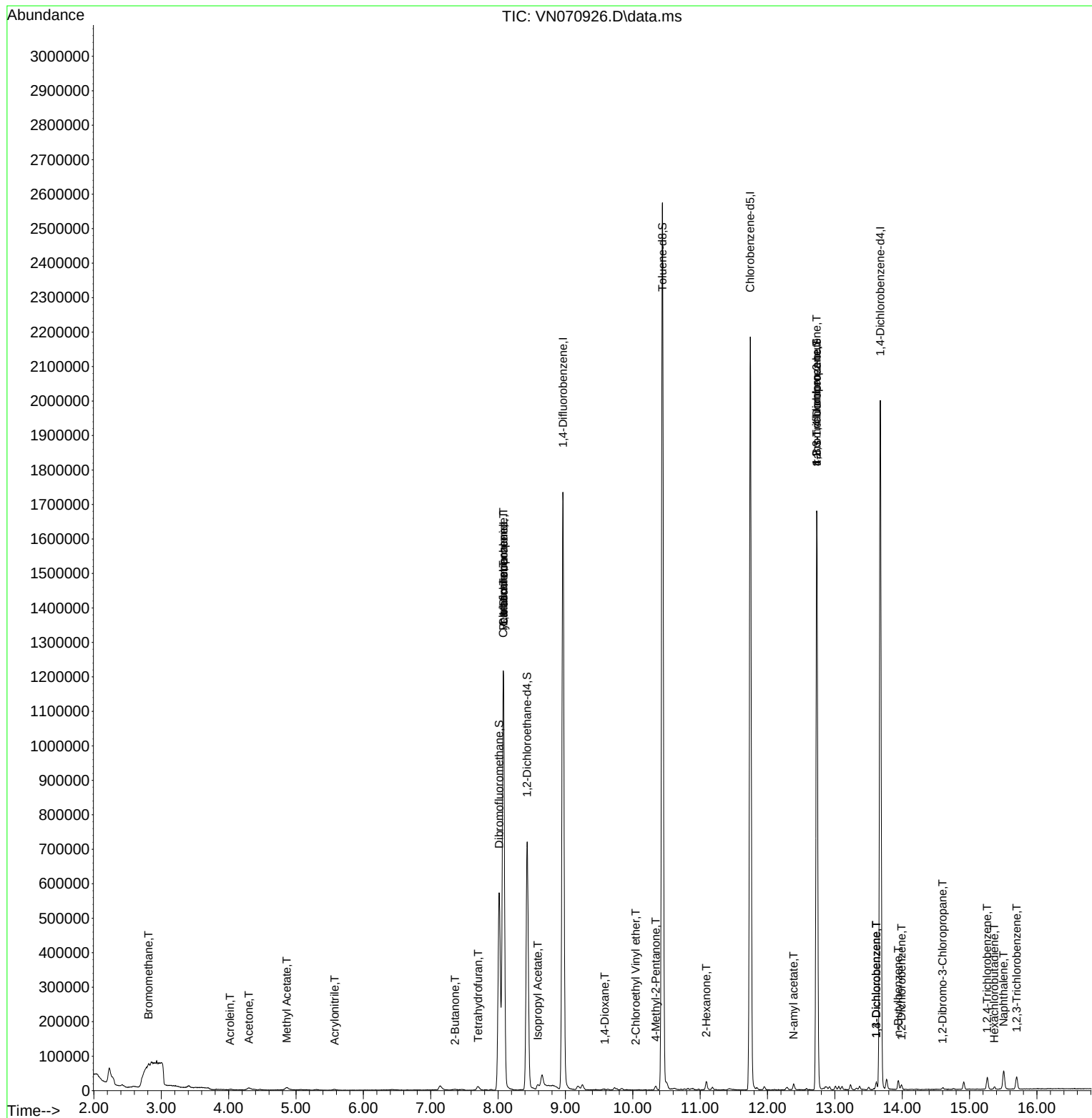
Internal Standards						
1) Pentafluorobenzene	8.080	168	954599	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.963	114	1516053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1270508	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	550208	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.432	65	605443	46.856	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.720%
35) Dibromofluoromethane	8.016	113	432120	47.580	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	95.160%
50) Toluene-d8	10.440	98	1834447	49.194	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.380%
62) 4-Bromofluorobenzene	12.731	95	604676	45.003	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.000%
Target Compounds						
					Qvalue	
5) Bromomethane	2.810	94	1608	0.281	ug/l #	71
13) Acrolein	4.022	56	666	0.223	ug/l	99
15) Acrylonitrile	5.573	53	2405	0.317	ug/l #	56
16) Acetone	4.299	43	2961	0.383	ug/l	96
18) Methyl Acetate	4.862	43	13135	0.278	ug/l #	64
25) 2-Butanone	7.359	43	4023	0.361	ug/l	99
29) Tetrahydrofuran	7.705	42	10406	1.436	ug/l #	68
31) Cyclohexane	8.075	56	21109	0.961	ug/l #	1
36) 1,1-Dichloropropene	8.078	75	77018	5.220	ug/l #	48
38) Carbon Tetrachloride	8.078	117	93196	6.917	ug/l #	16
43) Isopropyl Acetate	8.587	43	11215	0.328	ug/l #	55
49) 1,4-Dioxane	9.582	88	338	1.369	ug/l #	66
51) 4-Methyl-2-Pentanone	10.341	43	9487	0.471	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.043	63	186	19.683	ug/l #	45
59) 2-Hexanone	11.089	43	18484	1.258	ug/l	98
74) N-amyl acetate	12.387	43	9683	0.450	ug/l	97
76) 1,2,3-Trichloropropane	12.731	75	308269	23.277	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	308269	63.096	ug/l #	5
87) 1,3-Dichlorobenzene	13.613	146	4872	0.255	ug/l	89
88) 1,4-Dichlorobenzene	13.613	146	4872	0.254	ug/l	89
89) n-Butylbenzene	13.940	91	15179	0.460	ug/l	98
91) 1,2-Dichlorobenzene	13.989	146	6015	0.328	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.597	75	1563	0.519	ug/l	75
93) 1,2,4-Trichlorobenzene	15.263	180	12186	1.199	ug/l	97
94) Hexachlorobutadiene	15.364	225	1658	0.270	ug/l	97
95) Naphthalene	15.504	128	52463	5.234	ug/l	99
96) 1,2,3-Trichlorobenzene	15.700	180	13616	3.058	ug/l	97

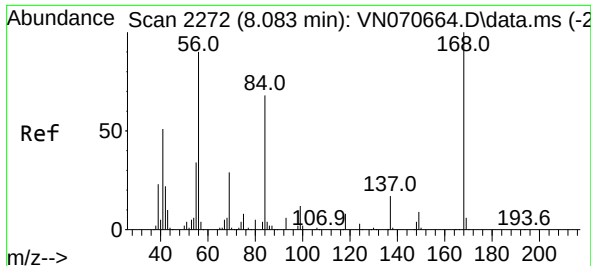
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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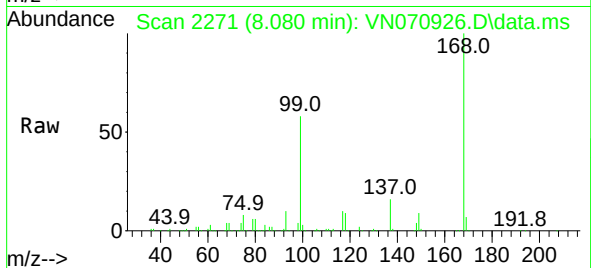
Quant Time: Feb 04 04:42:28 2022
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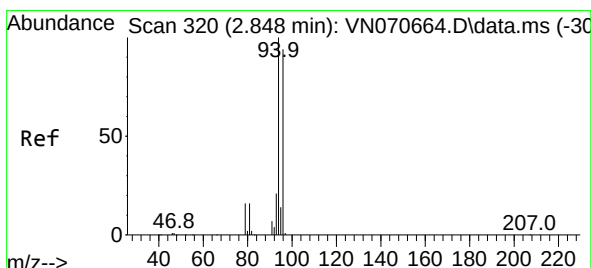
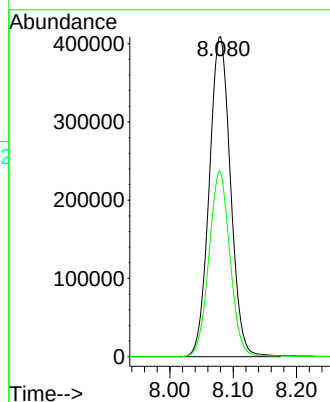
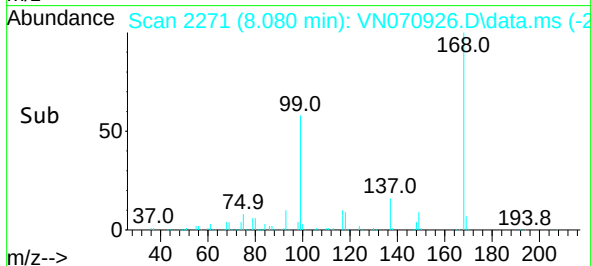


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.080 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Instrument :
MSVOA_N
ClientSampleId :

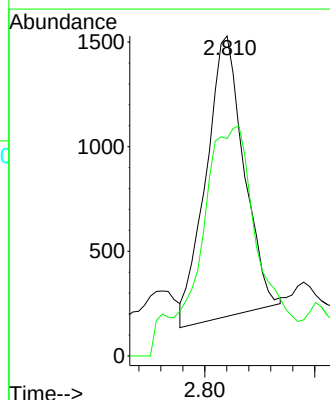
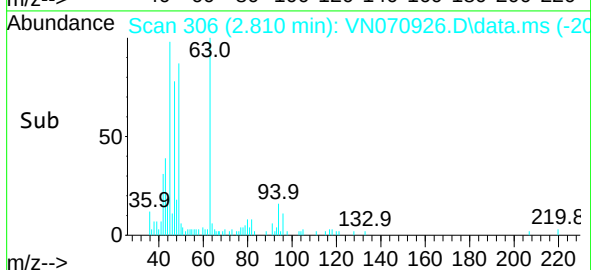
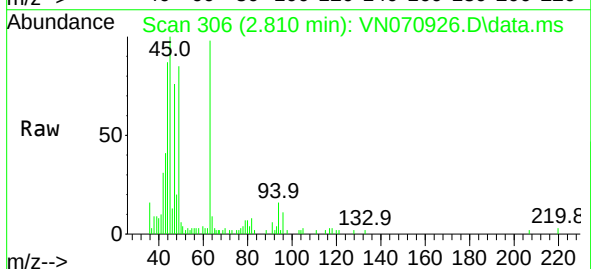


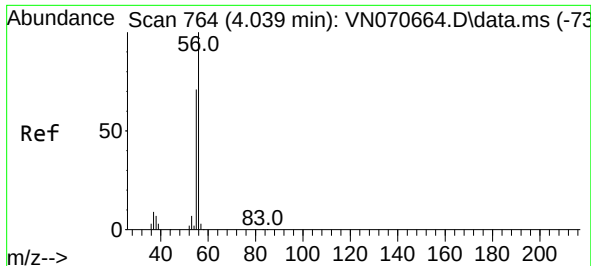
Tgt Ion:168 Resp: 954599
Ion Ratio Lower Upper
168 100
99 57.7 41.3 61.9



#5
Bromomethane
Concen: 0.281 ug/l
RT: 2.810 min Scan# 306
Delta R.T. -0.022 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

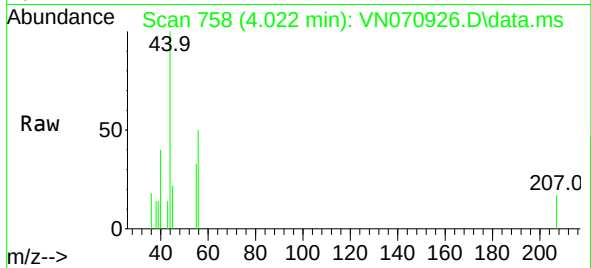
Tgt Ion: 94 Resp: 1608
Ion Ratio Lower Upper
94 100
96 64.4 73.8 110.8#



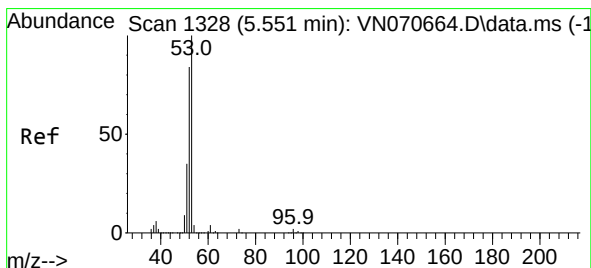
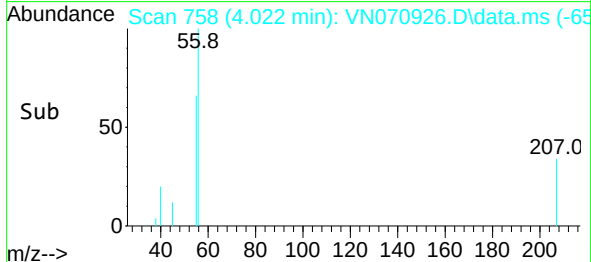
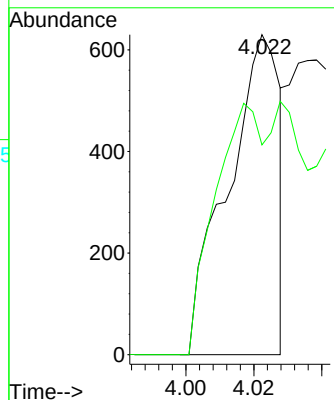


#13
Acrolein
Concen: 0.223 ug/l
RT: 4.022 min Scan# 71
Delta R.T. -0.017 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Instrument :
MSVOA_N
ClientSampleId :

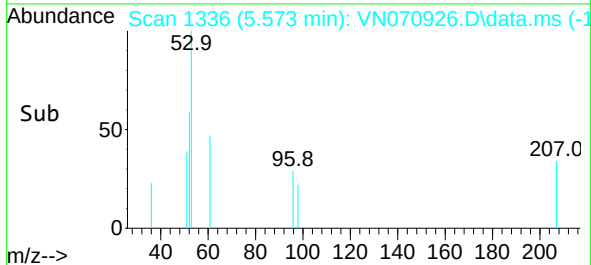
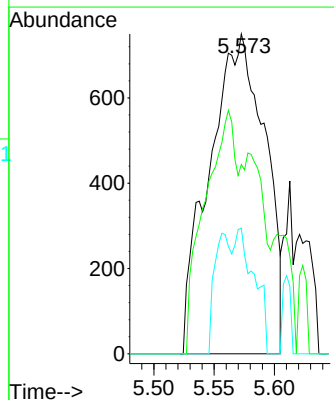
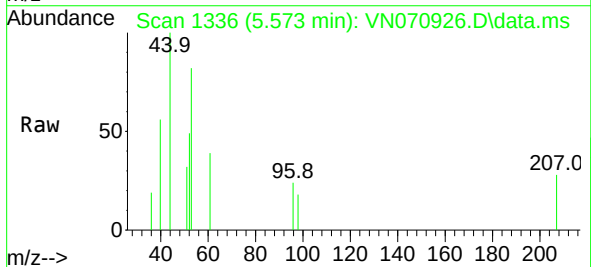


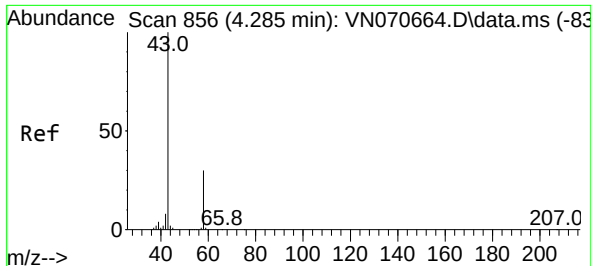
Tgt Ion: 56 Resp: 666
Ion Ratio Lower Upper
56 100
55 71.5 56.6 85.0



#15
Acrylonitrile
Concen: 0.317 ug/l
RT: 5.573 min Scan# 1336
Delta R.T. 0.022 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Tgt Ion: 53 Resp: 2405
Ion Ratio Lower Upper
53 100
52 43.2 66.2 99.2#
51 11.4 29.6 44.4#

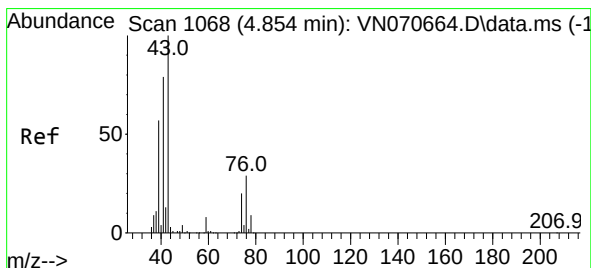
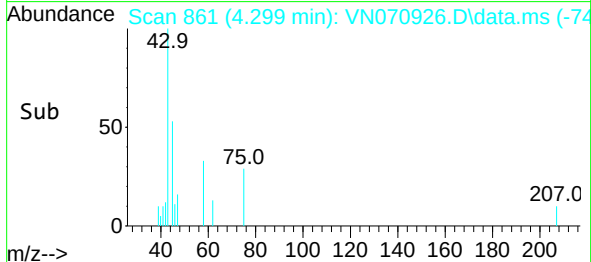
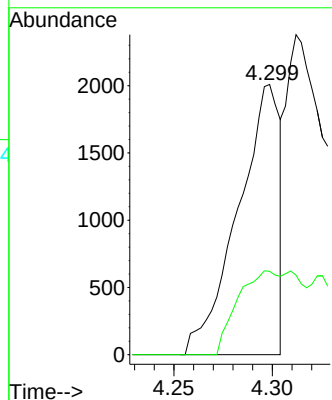
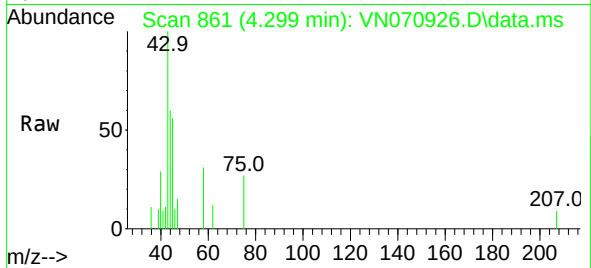




#16
Acetone
Concen: 0.383 ug/l
RT: 4.299 min Scan# 80
Delta R.T. 0.014 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

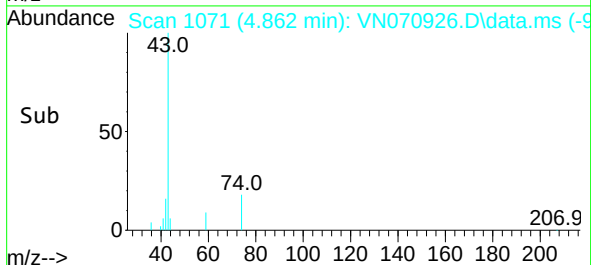
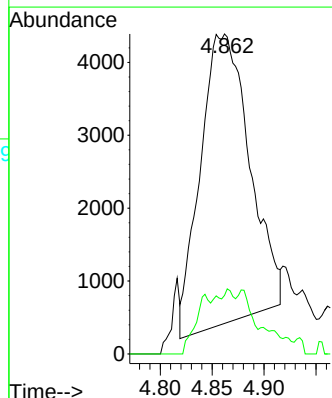
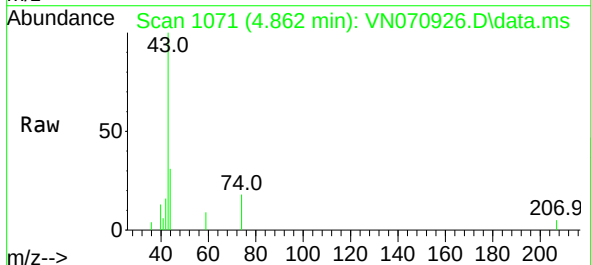
Instrument :
MSVOA_N
ClientSampleId :

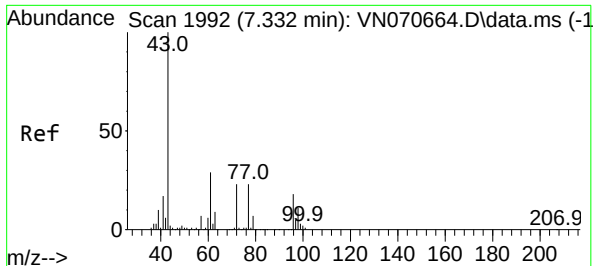
Tgt Ion: 43 Resp: 2961
Ion Ratio Lower Upper
43 100
58 30.9 23.1 34.7



#18
Methyl Acetate
Concen: 0.278 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Tgt Ion: 43 Resp: 13135
Ion Ratio Lower Upper
43 100
74 6.3 19.4 29.2#





#25

2-Butanone

Concen: 0.361 ug/l

RT: 7.359 min Scan# 2002

Delta R.T. 0.024 min

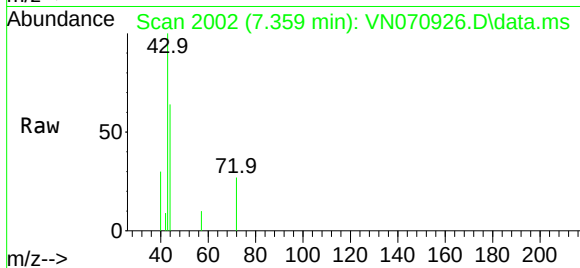
Lab File: VN070926.D

Acq: 3 Feb 2022 13:34

Instrument :

MSVOA_N

ClientSampleId :

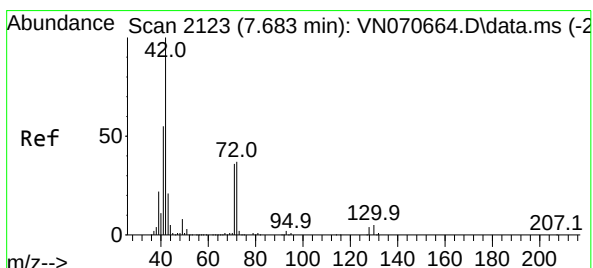
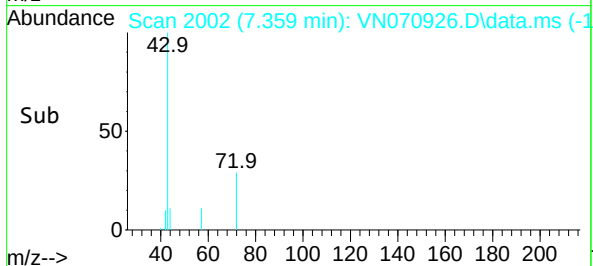
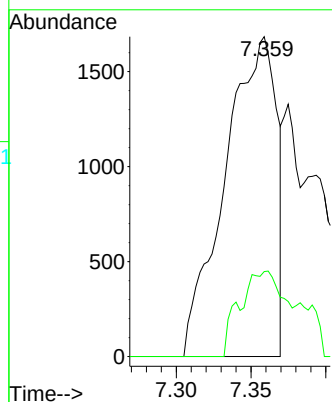


Tgt Ion: 43 Resp: 4023

Ion Ratio Lower Upper

43 100

72 26.6 21.7 32.5



#29

Tetrahydrofuran

Concen: 1.436 ug/l

RT: 7.705 min Scan# 2131

Delta R.T. 0.019 min

Lab File: VN070926.D

Acq: 3 Feb 2022 13:34

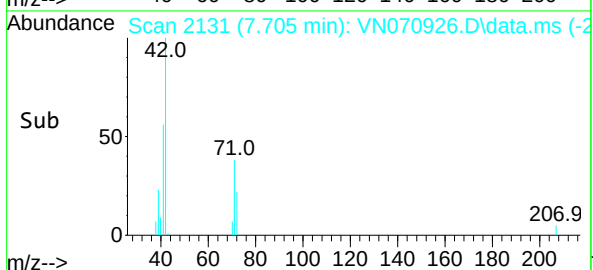
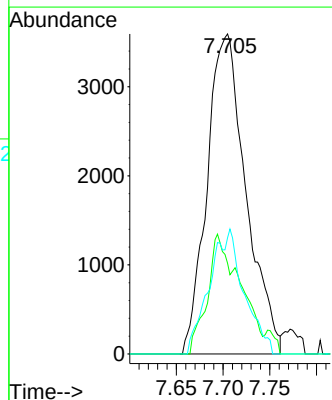
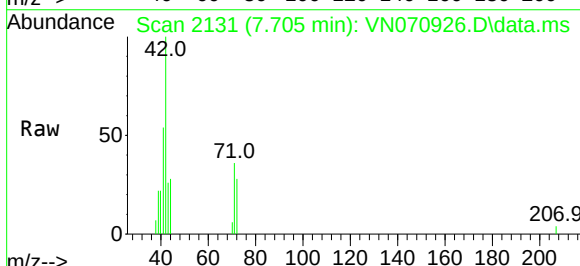
Tgt Ion: 42 Resp: 10406

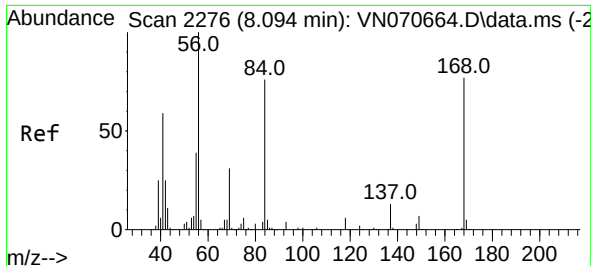
Ion Ratio Lower Upper

42 100

72 31.8 36.3 54.5#

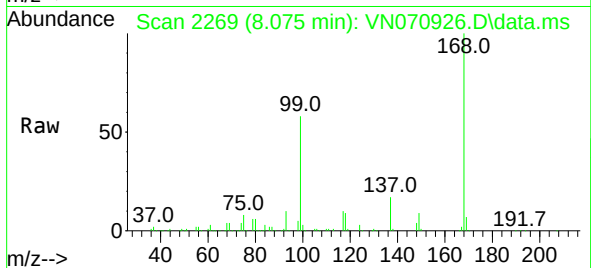
71 15.1 34.7 52.1#



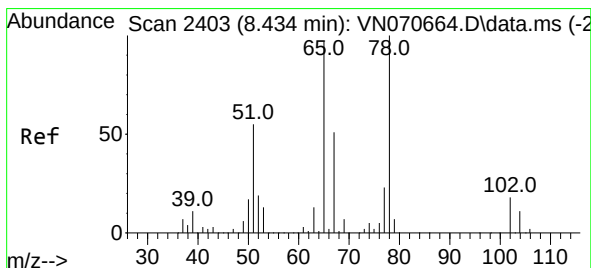
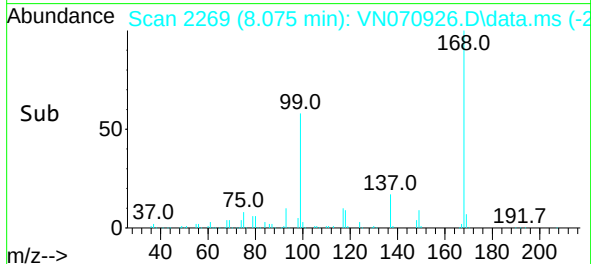
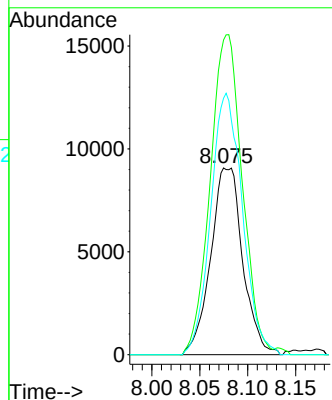


#31
Cyclohexane
Concen: 0.961 ug/l
RT: 8.075 min Scan# 21109
Delta R.T. -0.019 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Instrument :
MSVOA_N
ClientSampleId :

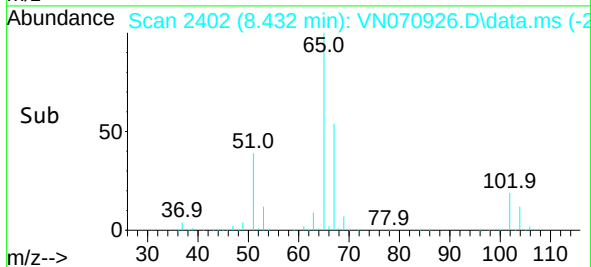
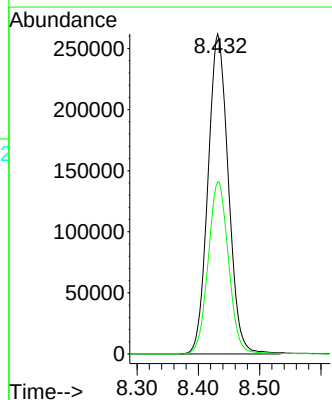
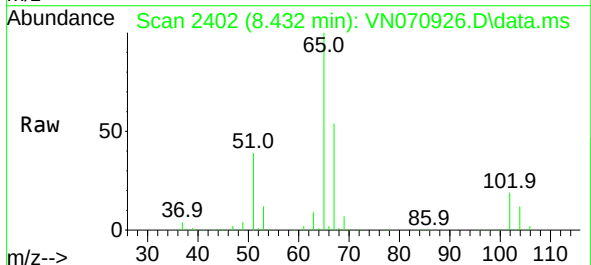


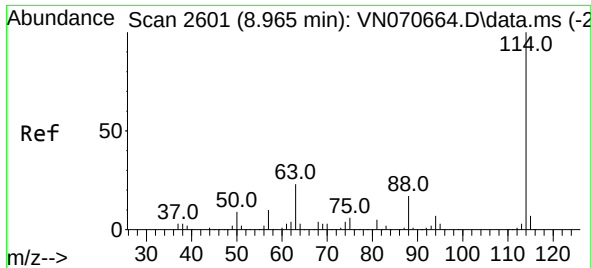
Tgt Ion: 56 Resp: 21109
Ion Ratio Lower Upper
56 100
69 168.6 27.1 40.7#
84 137.4 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 46.856 ug/l
RT: 8.432 min Scan# 2402
Delta R.T. -0.005 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Tgt Ion: 65 Resp: 605443
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 2

Delta R.T. -0.003 min

Lab File: VN070926.D

Acq: 3 Feb 2022 13:34

Instrument :

MSVOA_N

ClientSampleId :

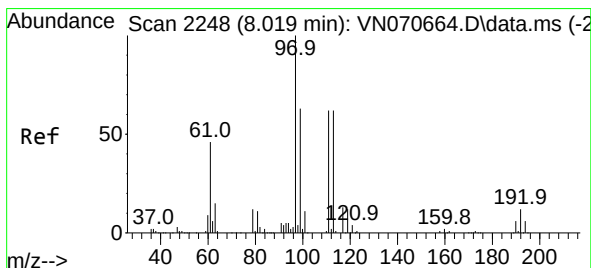
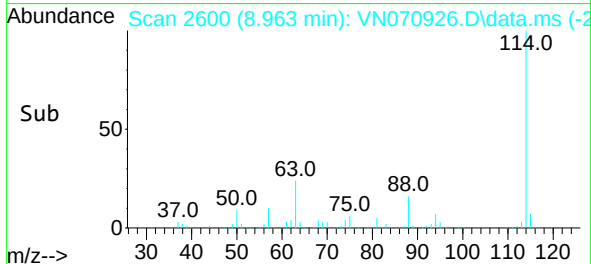
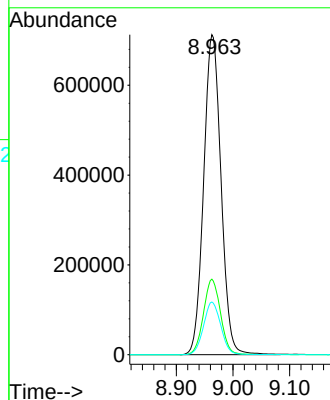
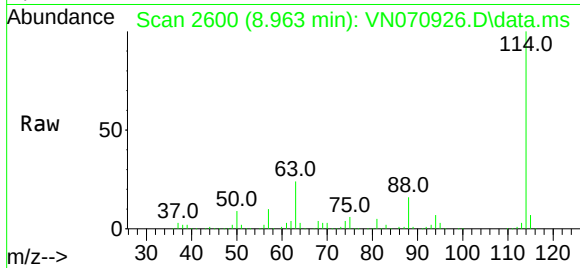
Tgt Ion:114 Resp: 1516053

Ion Ratio Lower Upper

114 100

63 23.6 0.0 37.8

88 16.5 0.0 27.4



#35

Dibromofluoromethane

Concen: 47.580 ug/l

RT: 8.016 min Scan# 2247

Delta R.T. -0.005 min

Lab File: VN070926.D

Acq: 3 Feb 2022 13:34

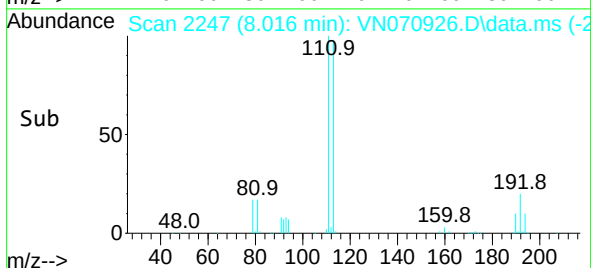
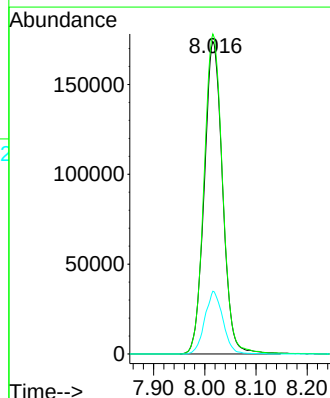
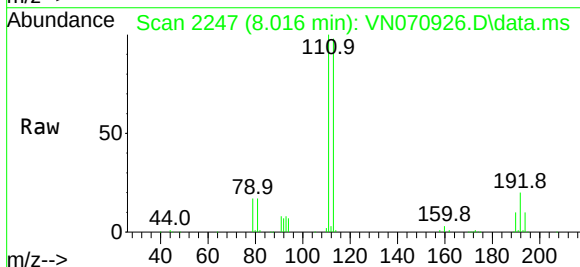
Tgt Ion:113 Resp: 432120

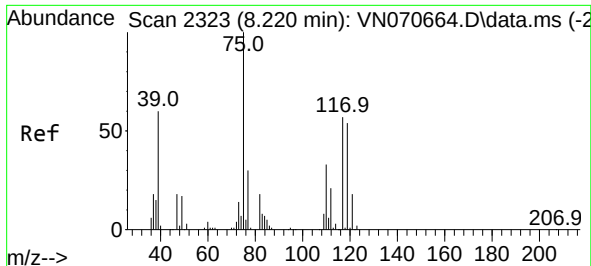
Ion Ratio Lower Upper

113 100

111 103.1 82.2 123.2

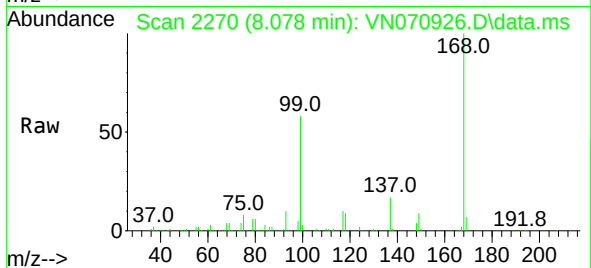
192 19.9 16.9 25.3



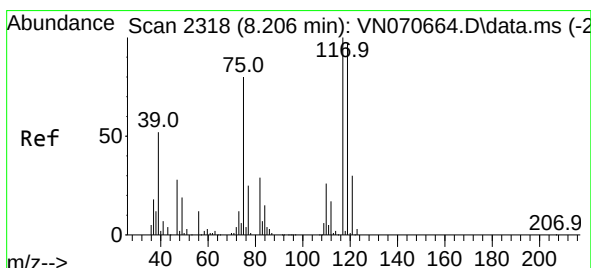
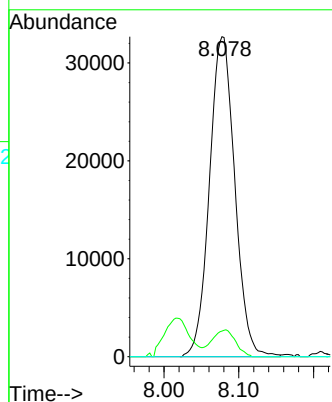
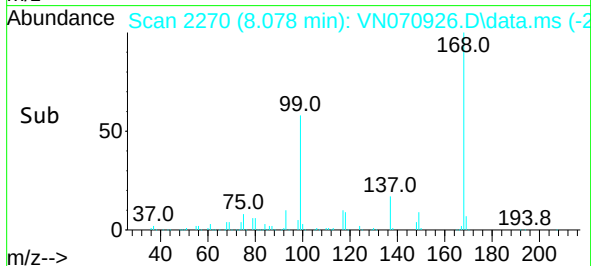


#36
1,1-Dichloropropene
Concen: 5.220 ug/l
RT: 8.078 min Scan# 21
Delta R.T. -0.142 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

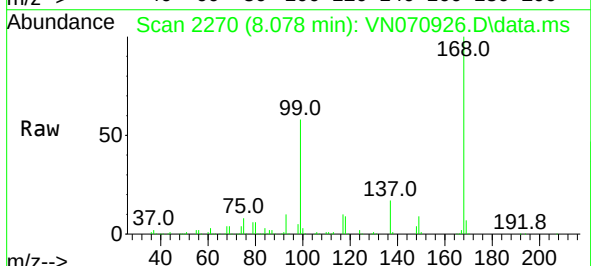
Instrument :
MSVOA_N
ClientSampleId :



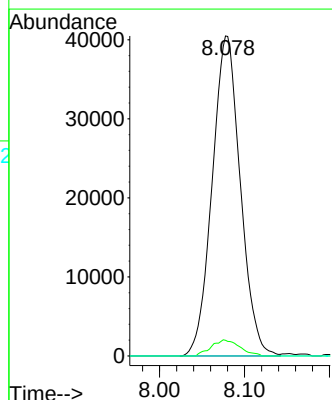
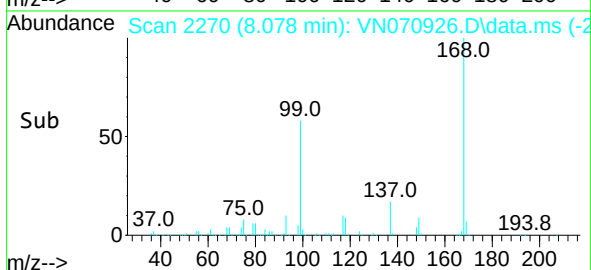
Tgt Ion: 75 Resp: 77018
Ion Ratio Lower Upper
75 100
110 7.7 18.4 55.2#
77 0.0 24.4 36.6#

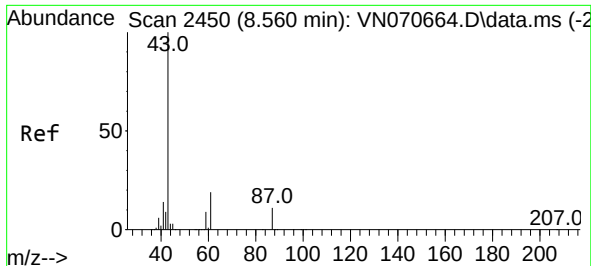


#38
Carbon Tetrachloride
Concen: 6.917 ug/l
RT: 8.078 min Scan# 2270
Delta R.T. -0.128 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34



Tgt Ion: 117 Resp: 93196
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#

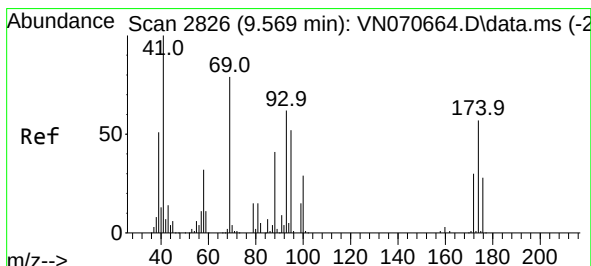
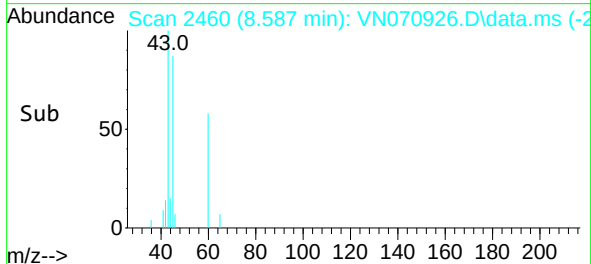
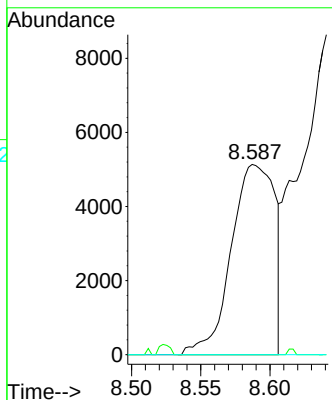
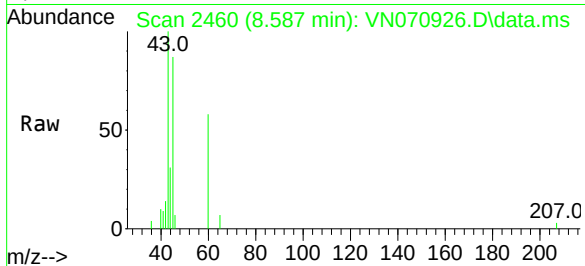




#43
Isopropyl Acetate
Concen: 0.328 ug/l
RT: 8.587 min Scan# 2450
Delta R.T. 0.027 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

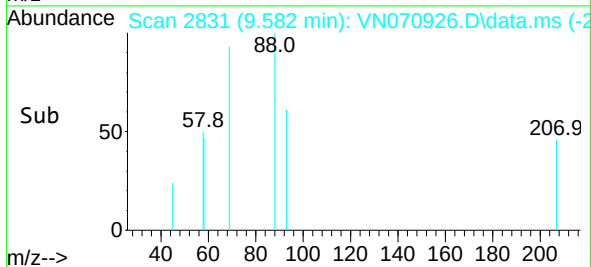
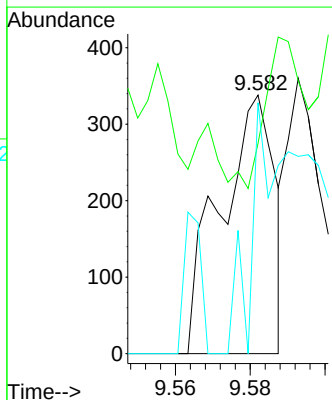
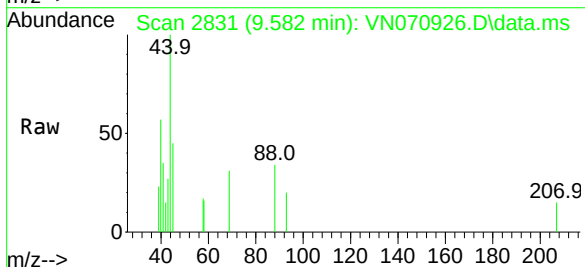
Instrument :
MSVOA_N
ClientSampleId :

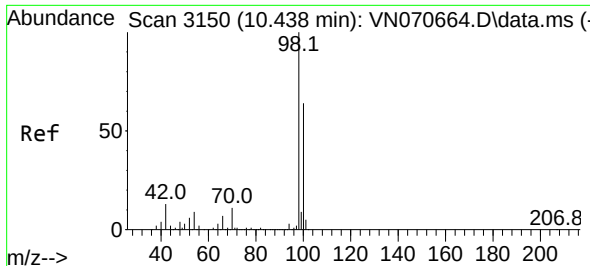
Tgt Ion: 43 Resp: 11215
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 11.2 16.8#



#49
1,4-Dioxane
Concen: 1.369 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.013 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Tgt Ion: 88 Resp: 338
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2#
58 44.7 50.6 75.8#

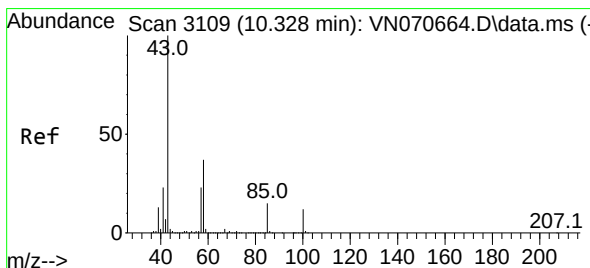
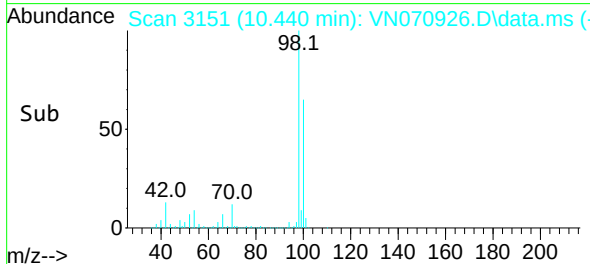
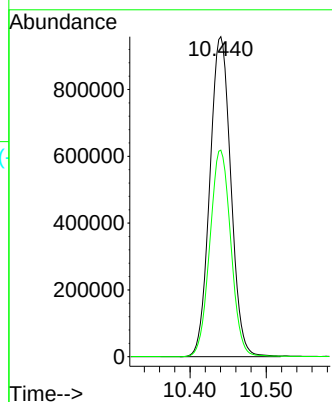
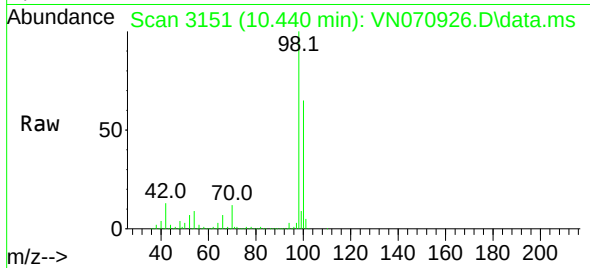




#50
Toluene-d8
Concen: 49.194 ug/l
RT: 10.440 min Scan# 3114
Delta R.T. -0.001 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

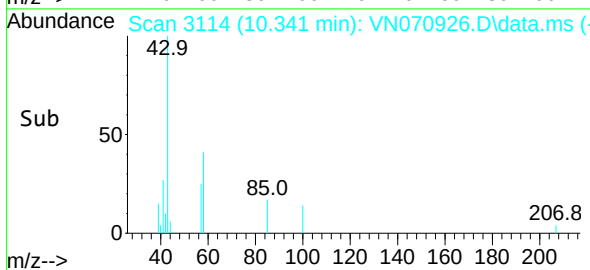
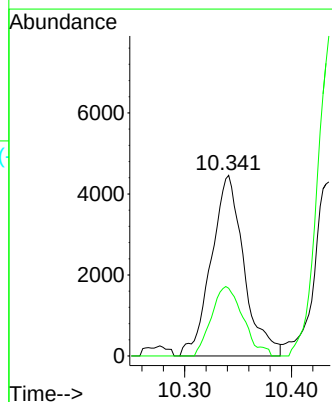
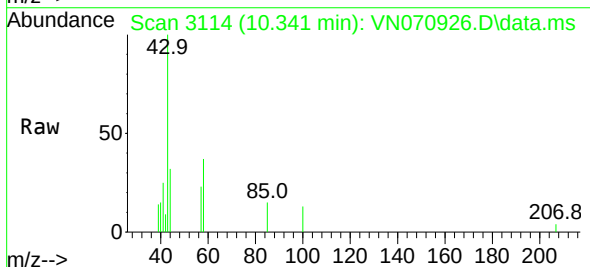
Instrument :
MSVOA_N
ClientSampleId :

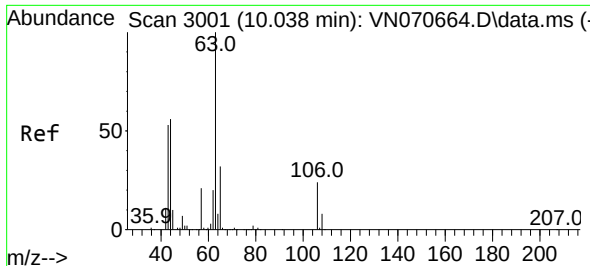
Tgt Ion: 98 Resp: 1834447
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 0.471 ug/l
RT: 10.341 min Scan# 3114
Delta R.T. 0.010 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Tgt Ion: 43 Resp: 9487
Ion Ratio Lower Upper
43 100
58 37.3 30.4 45.6

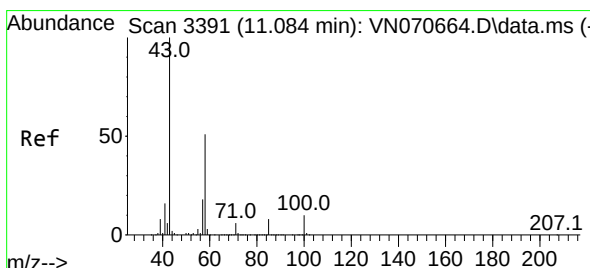
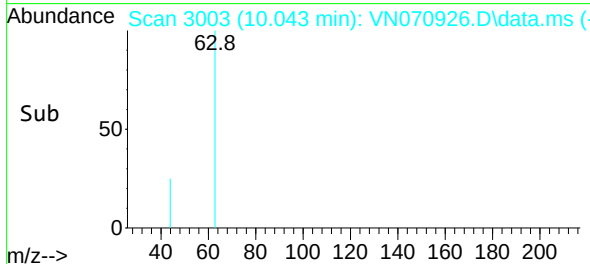
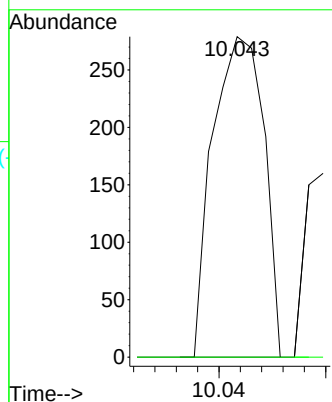
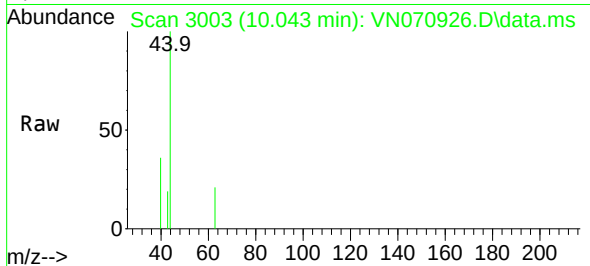




#58
2-Chloroethyl Vinyl ether
Concen: 19.683 ug/l
RT: 10.043 min Scan# 3003
Delta R.T. 0.002 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

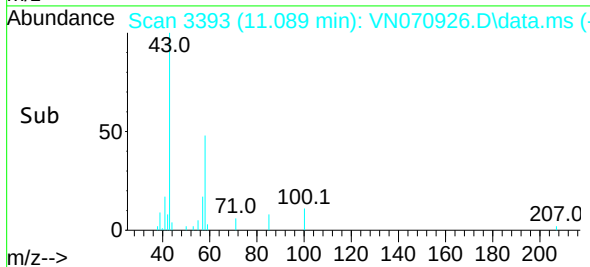
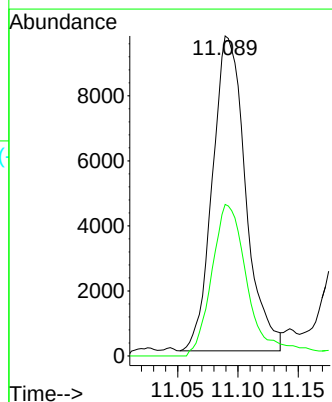
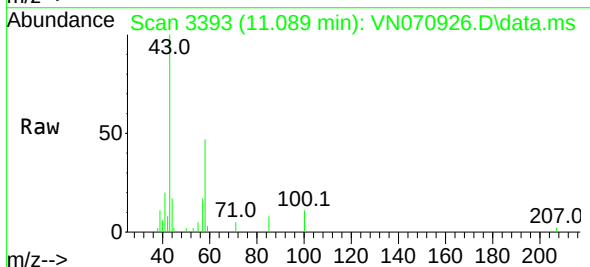
Instrument :
MSVOA_N
ClientSampleId :

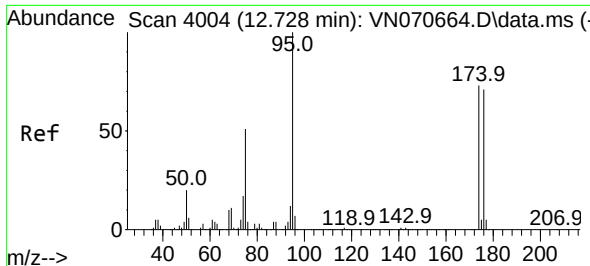
Tgt Ion: 63 Resp: 186
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 1.258 ug/l
RT: 11.089 min Scan# 3393
Delta R.T. 0.005 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

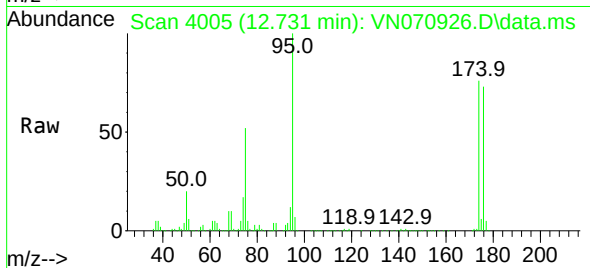
Tgt Ion: 43 Resp: 18484
Ion Ratio Lower Upper
43 100
58 52.6 26.9 80.7



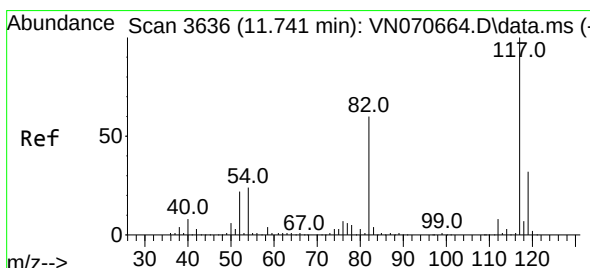
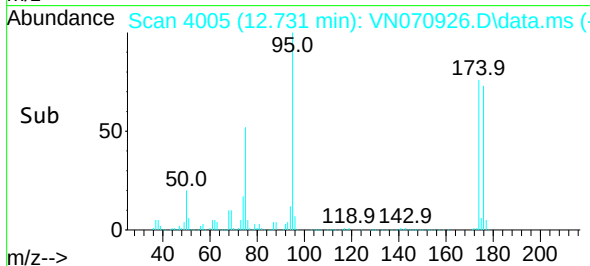
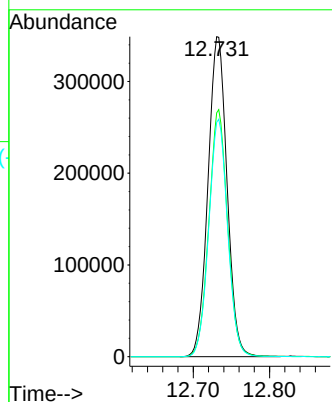


#62
4-Bromofluorobenzene
Concen: 45.003 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Instrument :
MSVOA_N
ClientSampleId :

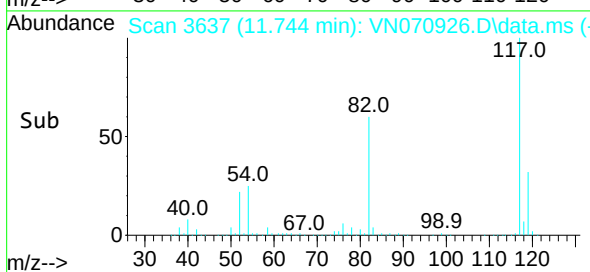
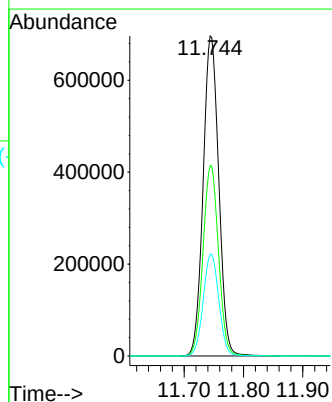
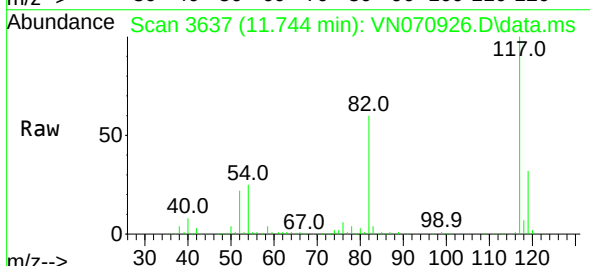


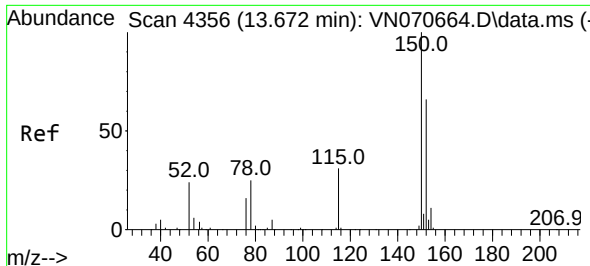
Tgt Ion: 95 Resp: 604676
Ion Ratio Lower Upper
95 100
174 76.0 0.0 187.2
176 73.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

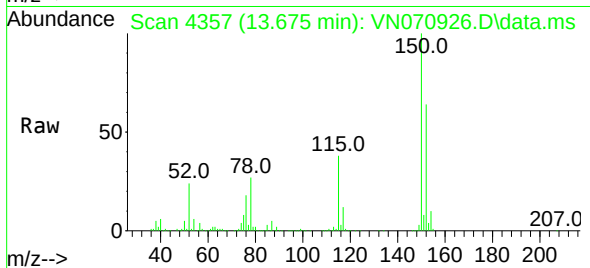
Tgt Ion: 117 Resp: 1270508
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 31.8 25.4 38.2



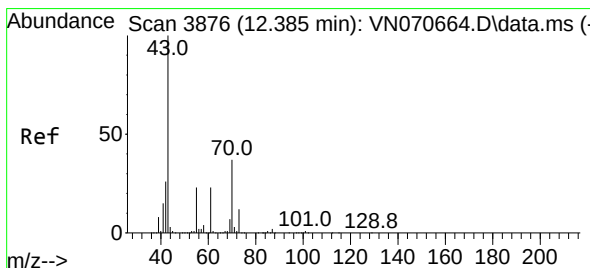
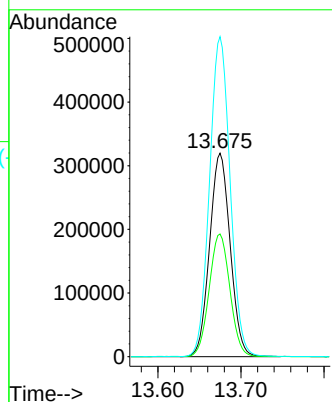
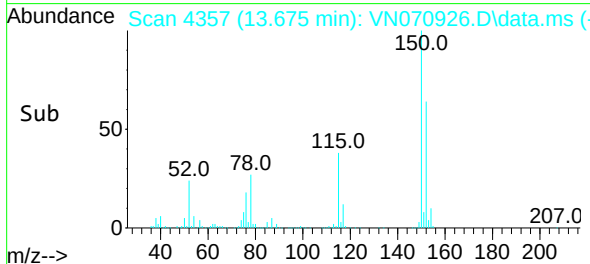


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

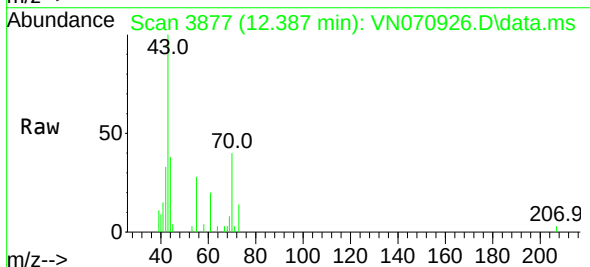
Instrument :
MSVOA_N
ClientSampleId :



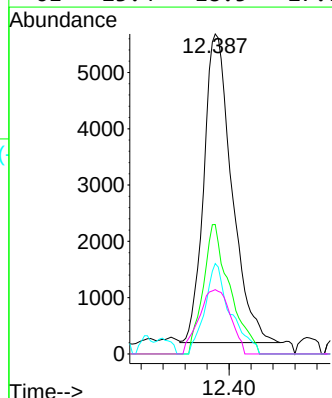
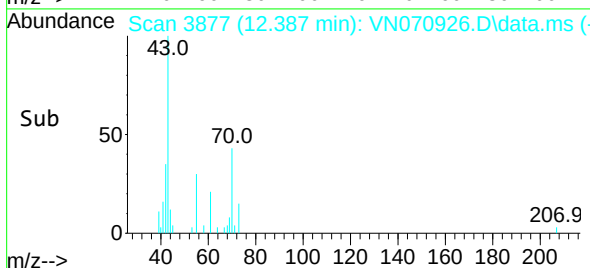
Tgt Ion:152 Resp: 550208
Ion Ratio Lower Upper
152 100
115 60.7 27.5 82.5
150 157.0 0.0 344.4

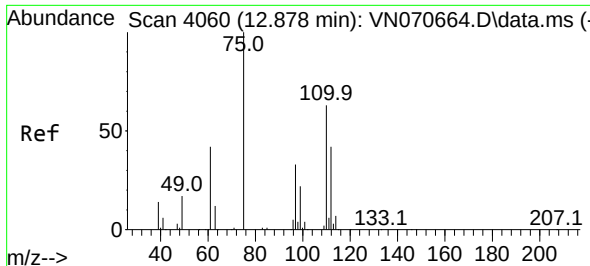


#74
N-ethyl acetate
Concen: 0.450 ug/l
RT: 12.387 min Scan# 3877
Delta R.T. -0.001 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34



Tgt Ion: 43 Resp: 9683
Ion Ratio Lower Upper
43 100
70 39.8 33.4 50.0
55 26.6 19.3 28.9
61 23.4 18.5 27.7

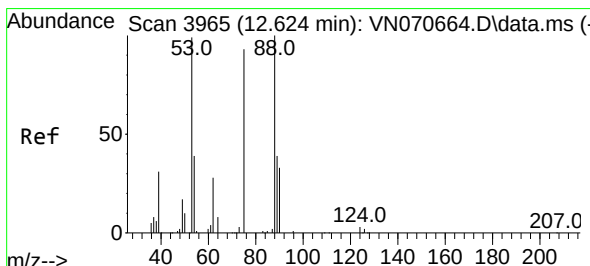
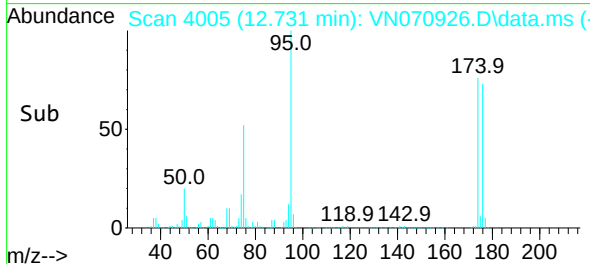
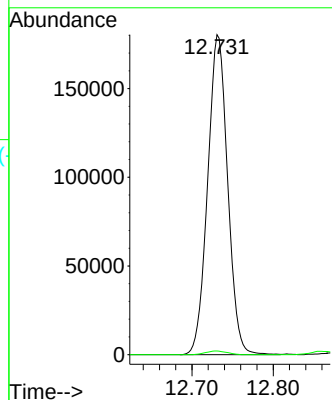
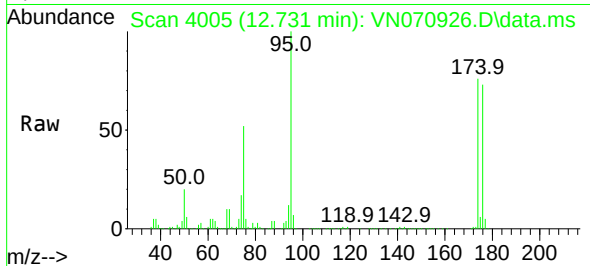




#76
1,2,3-Trichloropropane
Concen: 23.277 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

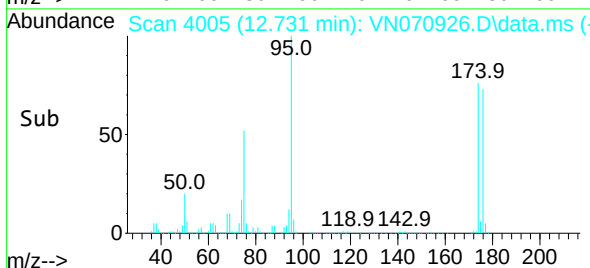
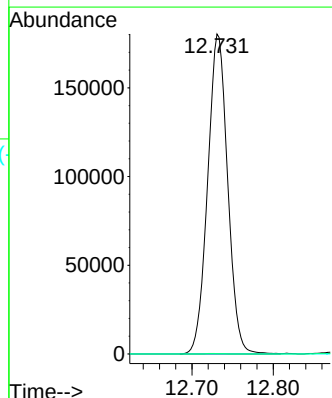
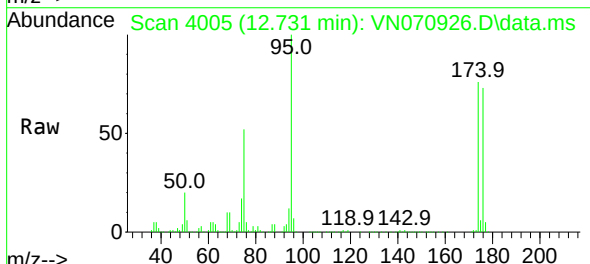
Instrument :
MSVOA_N
ClientSampleId :

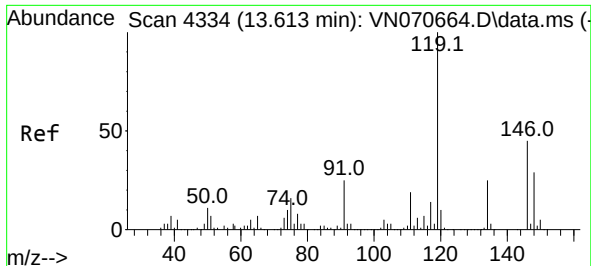
Tgt Ion: 75 Resp: 308269
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.096 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Tgt Ion: 75 Resp: 308269
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#





#87

1,3-Dichlorobenzene

Concen: 0.255 ug/l

RT: 13.613 min Scan# 4334

Delta R.T. 0.000 min

Lab File: VN070926.D

Acq: 3 Feb 2022 13:34

Instrument :

MSVOA_N

ClientSampleId :

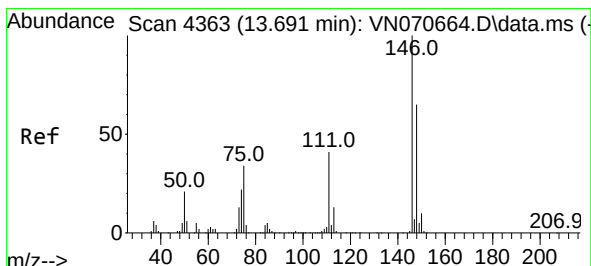
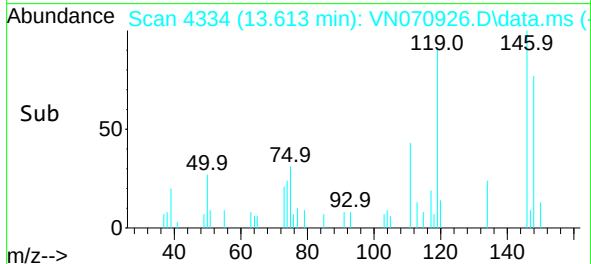
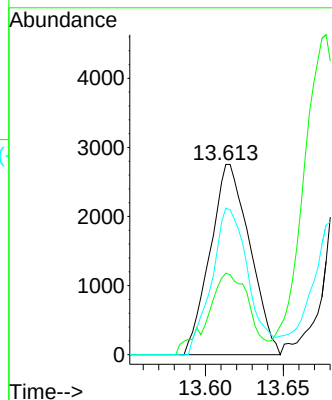
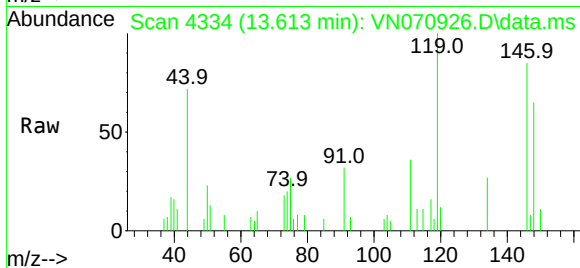
Tgt Ion:146 Resp: 4872

Ion Ratio Lower Upper

146 100

111 44.6 18.6 55.6

148 71.5 31.6 95.0



#88

1,4-Dichlorobenzene

Concen: 0.254 ug/l

RT: 13.613 min Scan# 4334

Delta R.T. -0.081 min

Lab File: VN070926.D

Acq: 3 Feb 2022 13:34

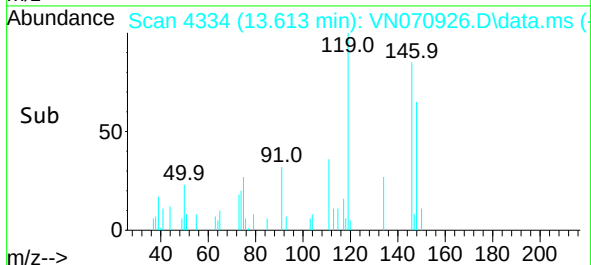
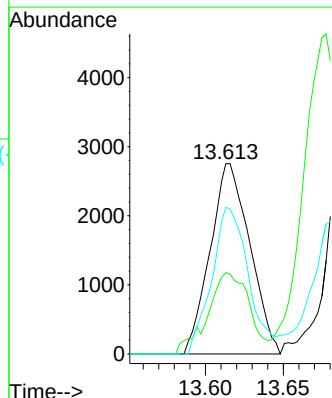
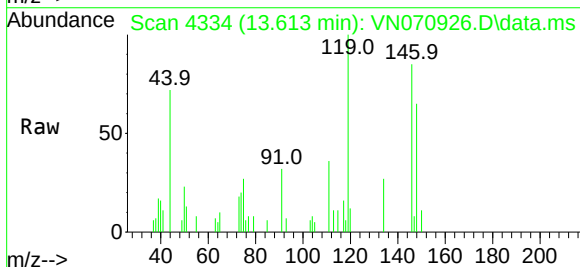
Tgt Ion:146 Resp: 4872

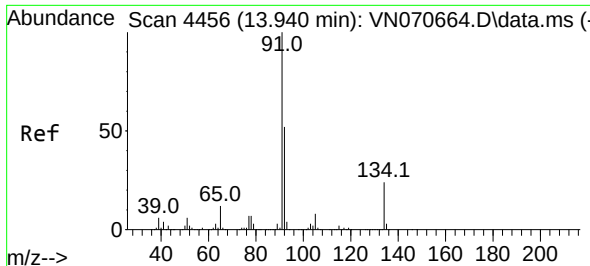
Ion Ratio Lower Upper

146 100

111 44.6 18.3 54.8

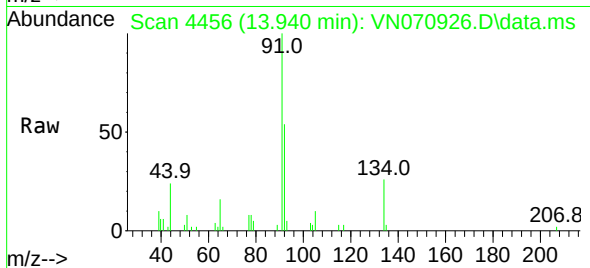
148 71.5 31.8 95.4



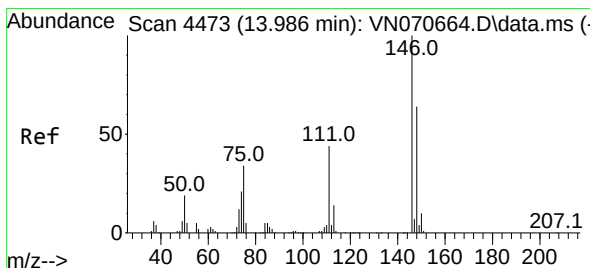
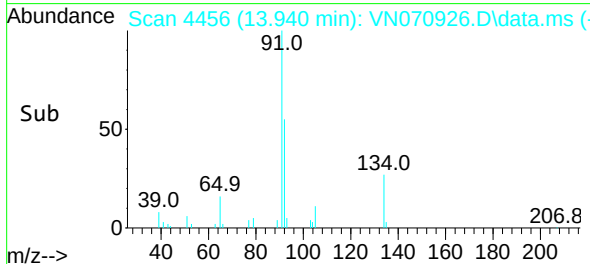
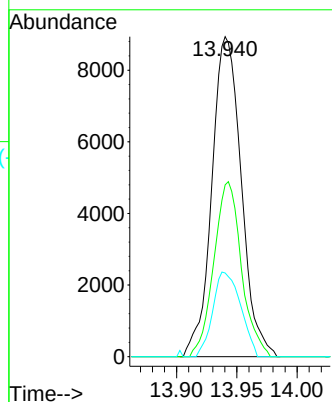


#89
n-Butylbenzene
Concen: 0.460 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.001 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Instrument :
MSVOA_N
ClientSampleId :

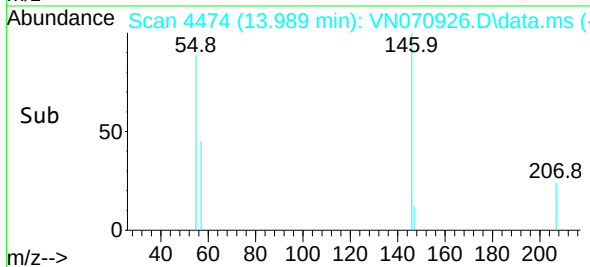
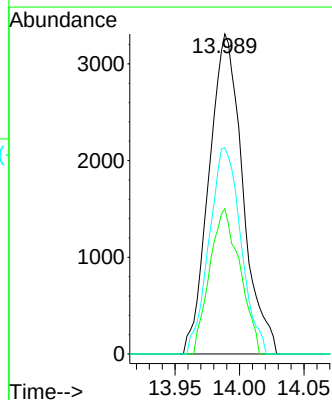
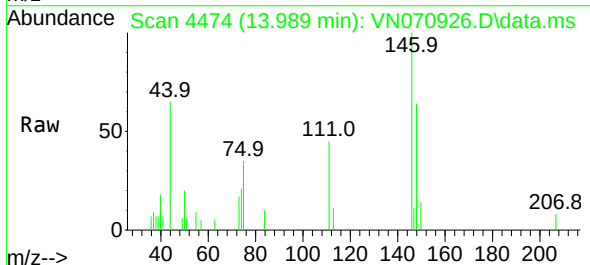


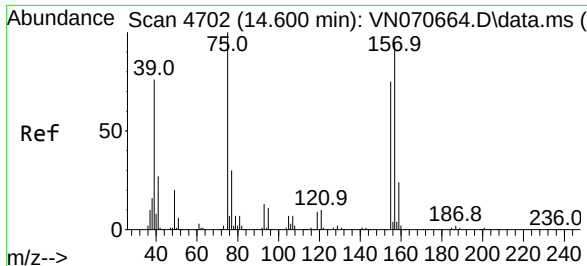
Tgt Ion: 91 Resp: 15179
Ion Ratio Lower Upper
91 100
92 51.3 25.4 76.0
134 24.9 13.6 40.8



#91
1,2-Dichlorobenzene
Concen: 0.328 ug/l
RT: 13.989 min Scan# 4474
Delta R.T. 0.003 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

Tgt Ion:146 Resp: 6015
Ion Ratio Lower Upper
146 100
111 40.7 19.1 57.3
148 60.7 32.1 96.3

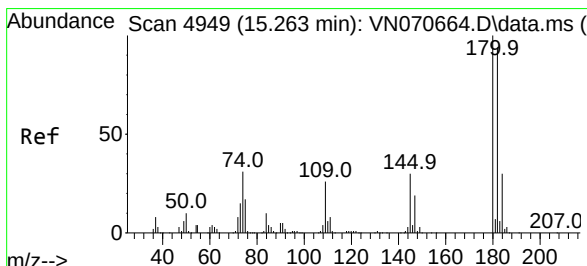
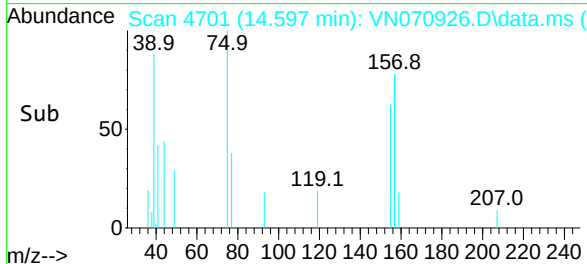
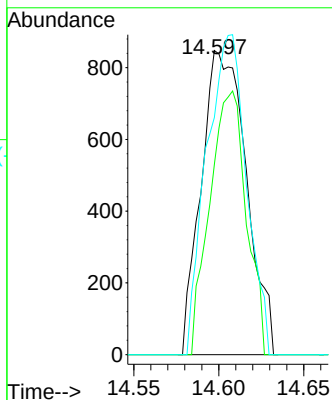
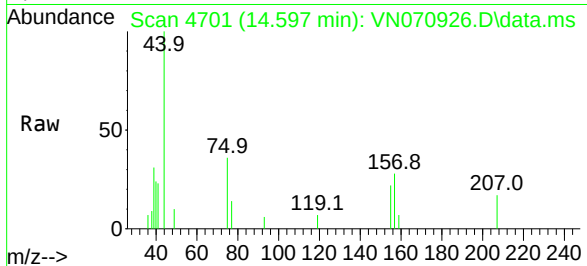




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.519 ug/l
 RT: 14.597 min Scan# 4701
 Delta R.T. -0.006 min
 Lab File: VN070926.D
 Acq: 3 Feb 2022 13:34

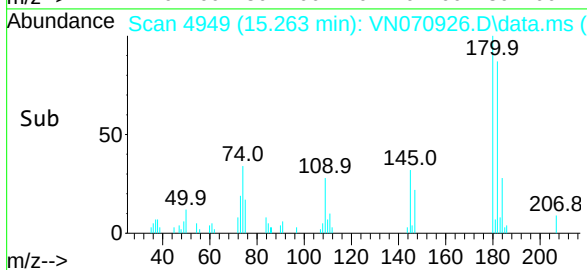
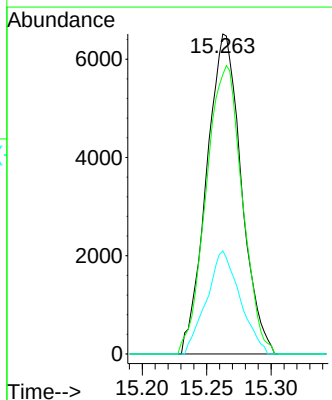
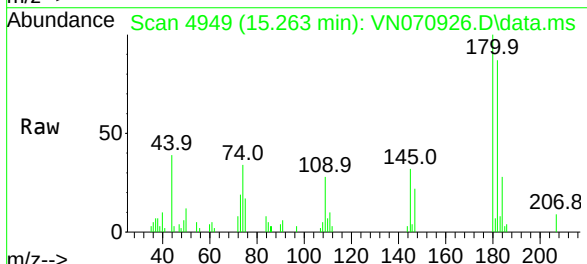
Instrument :
 MSVOA_N
 ClientSampleId :

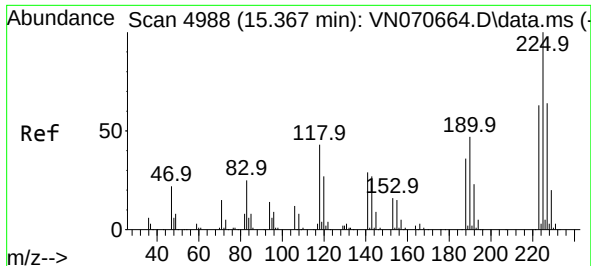
Tgt Ion: 75 Resp: 1563
 Ion Ratio Lower Upper
 75 100
 155 70.2 46.9 140.7
 157 93.2 60.6 181.7



#93
 1,2,4-Trichlorobenzene
 Concen: 1.199 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.000 min
 Lab File: VN070926.D
 Acq: 3 Feb 2022 13:34

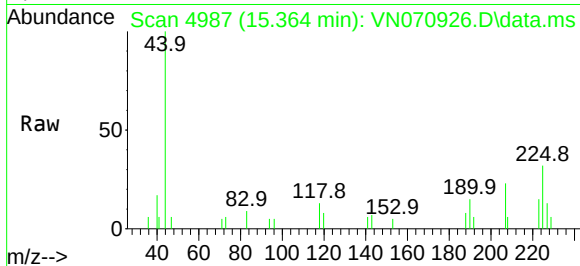
Tgt Ion:180 Resp: 12186
 Ion Ratio Lower Upper
 180 100
 182 93.4 48.3 144.9
 145 31.0 14.5 43.5



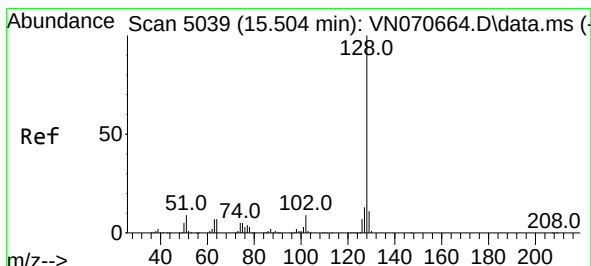
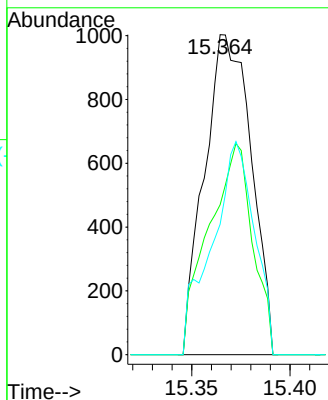
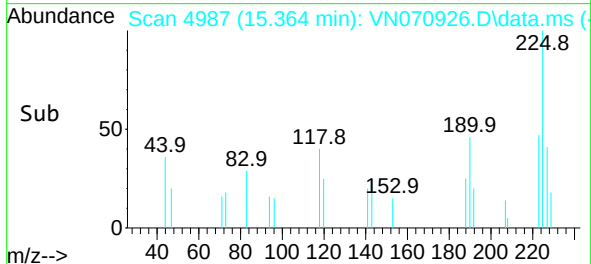


#94
Hexachlorobutadiene
Concen: 0.270 ug/l
RT: 15.364 min Scan# 4988
Delta R.T. -0.003 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34

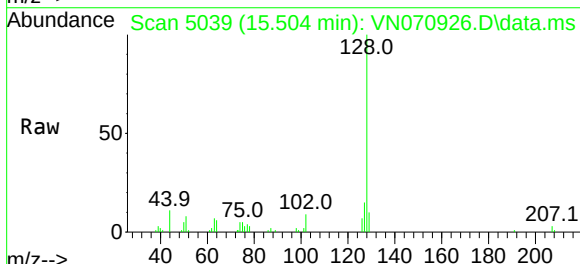
Instrument :
MSVOA_N
ClientSampleId :



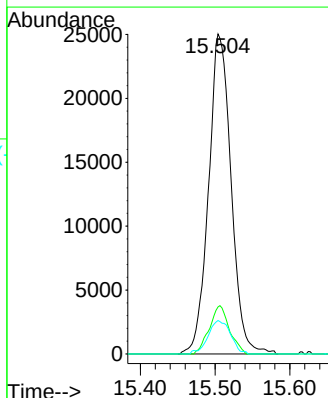
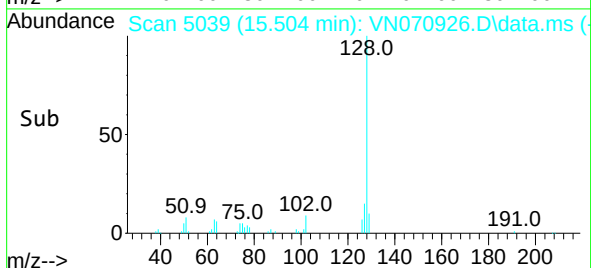
Tgt Ion:225 Resp: 1658
Ion Ratio Lower Upper
225 100
223 62.1 31.9 95.7
227 60.7 32.1 96.3

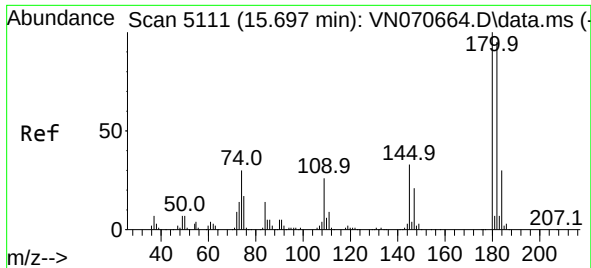


#95
Naphthalene
Concen: 5.234 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.000 min
Lab File: VN070926.D
Acq: 3 Feb 2022 13:34



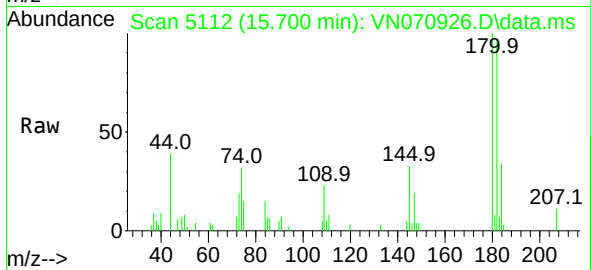
Tgt Ion:128 Resp: 52463
Ion Ratio Lower Upper
128 100
127 13.4 10.5 15.7
129 10.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.058 ug/l
 RT: 15.700 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VN070926.D
 Acq: 3 Feb 2022 13:34

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 13616
 Ion Ratio Lower Upper
 180 100
 182 97.0 47.4 142.2
 145 32.7 15.0 45.1

