

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
 Data File : VN070446.D
 Acq On : 3 Jan 2022 18:58
 Operator : JC/MD
 Sample : M5338-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

Quant Time: Jan 04 01:37:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

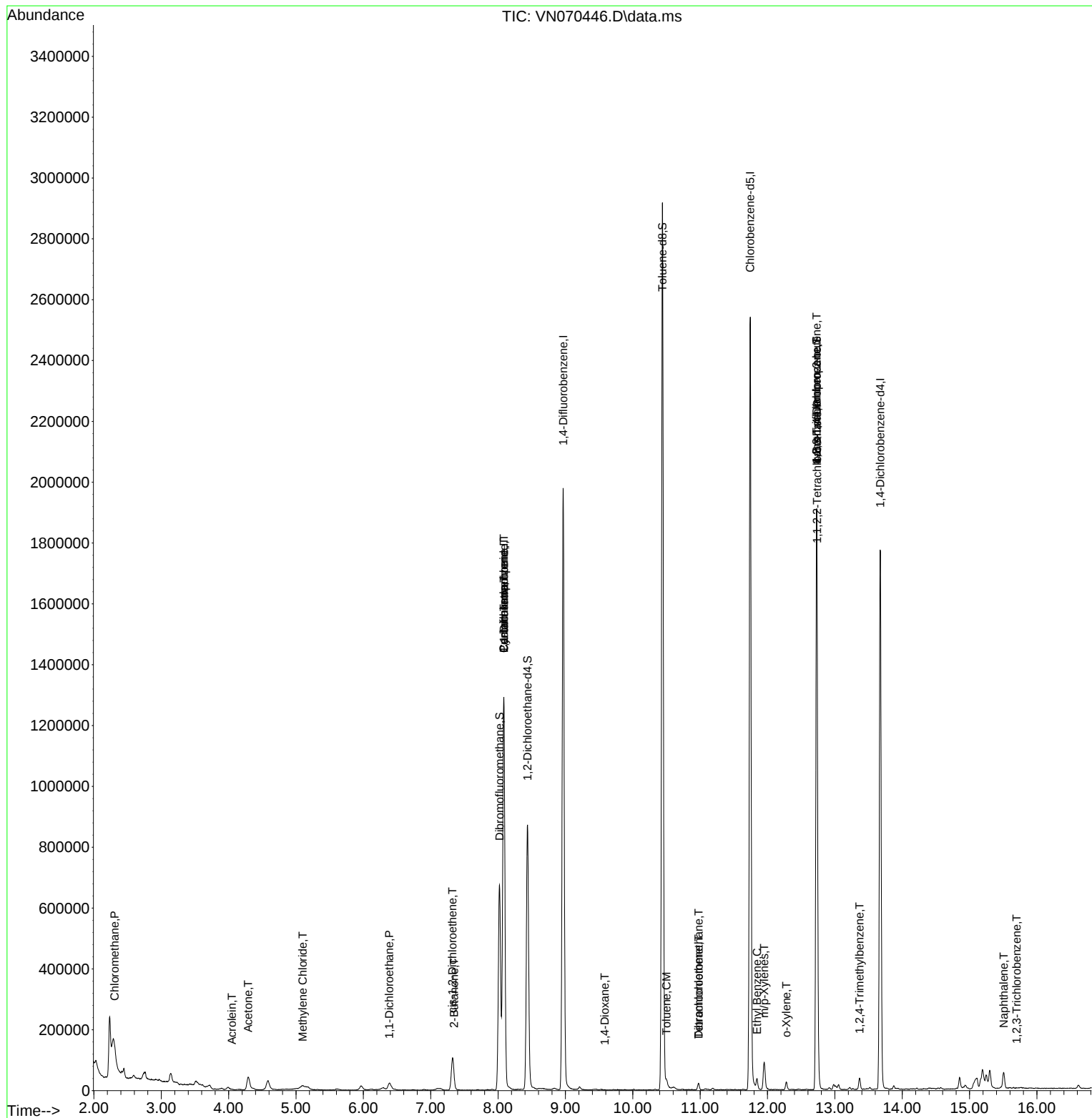
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.086	168	1001647	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1692513	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1461367	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	494040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	731346	50.782	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	101.560%
35) Dibromofluoromethane	8.021	113	507068	49.516	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.040%
50) Toluene-d8	10.440	98	2013854	48.140	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.280%
62) 4-Bromofluorobenzene	12.731	95	706459	46.756	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.520%
Target Compounds						Qvalue
3) Chloromethane	2.306	50	8394	0.543	ug/l #	77
13) Acrolein	4.047	56	598	0.307	ug/l #	14
16) Acetone	4.291	43	76614	8.195	ug/l	100
20) Methylene Chloride	5.098	84	4775	0.369	ug/l #	82
24) 1,1-Dichloroethane	6.385	63	28517	1.221	ug/l	97
25) 2-Butanone	7.345	43	4247	0.361	ug/l #	88
27) cis-1,2-Dichloroethene	7.324	96	61166	4.746	ug/l	95
31) Cyclohexane	8.086	56	23399	1.030	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	80564	4.756	ug/l #	49
38) Carbon Tetrachloride	8.086	117	99185	6.131	ug/l #	16
49) 1,4-Dioxane	9.585	88	144	0.596	ug/l #	45
52) Toluene	10.499	92	6872	0.219	ug/l	85
60) Dibromochloromethane	10.977	129	4037	0.333	ug/l #	11
64) Tetrachloroethene	10.977	164	4830	0.456	ug/l	88
67) Ethyl Benzene	11.843	91	23985	0.422	ug/l	99
68) m/p-Xylenes	11.950	106	31499	1.523	ug/l	98
69) o-Xylene	12.280	106	6923	0.337	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.736	83	530	0.479	ug/l #	1
76) 1,2,3-Trichloropropane	12.731	75	368911	26.578	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.731	75	368911	91.232	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.366	105	21386	0.604	ug/l	98
95) Naphthalene	15.507	128	53253	4.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.700	180	264	0.859	ug/l #	54

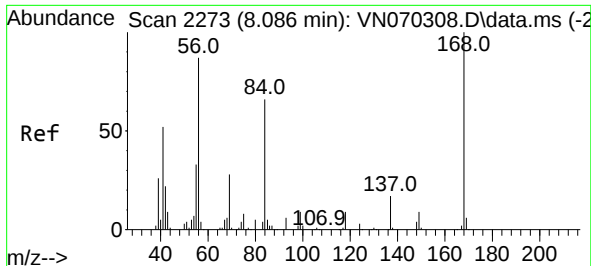
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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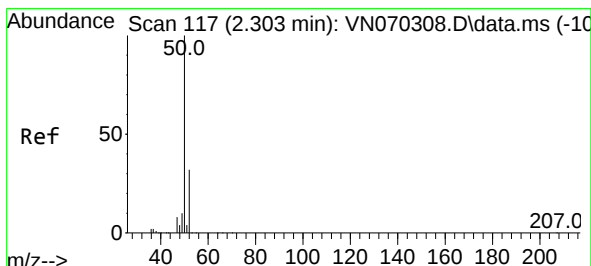
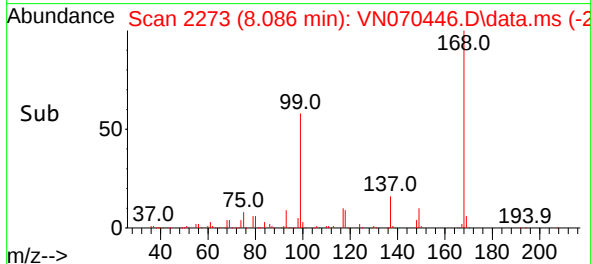
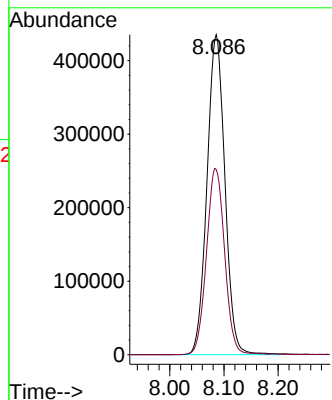
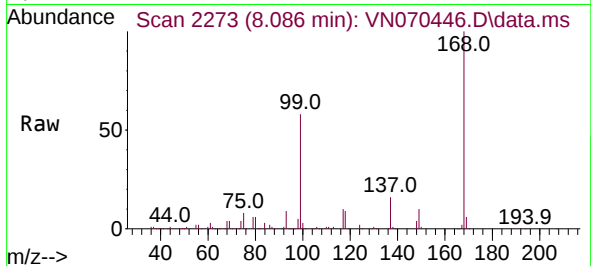




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

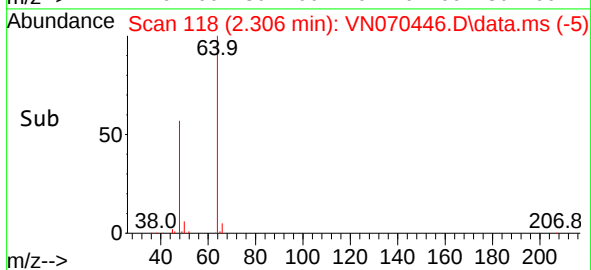
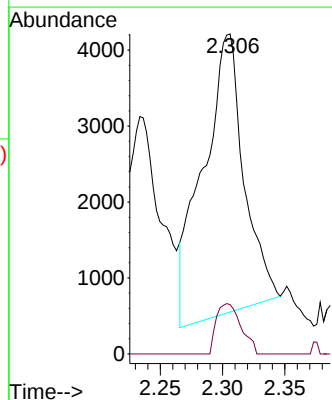
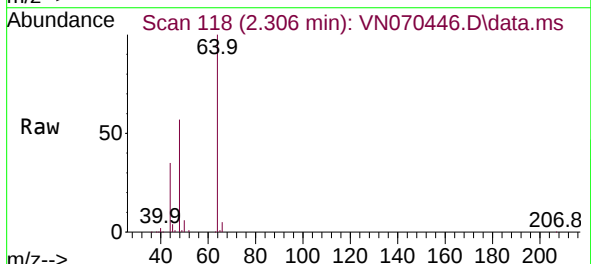
Instrument :
MSVOA_N
ClientSampleId :
TW-1

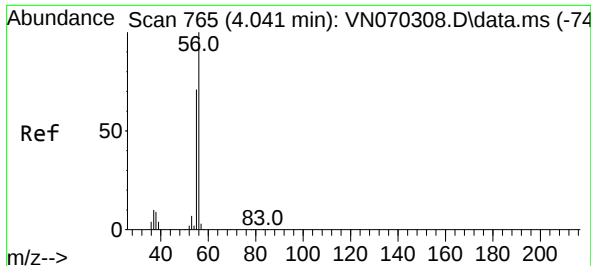
Tgt Ion:168 Resp: 1001647
Ion Ratio Lower Upper
168 100
99 57.9 41.3 61.9



#3
Chloromethane
Concen: 0.543 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion: 50 Resp: 8394
Ion Ratio Lower Upper
50 100
52 18.8 25.4 38.0#

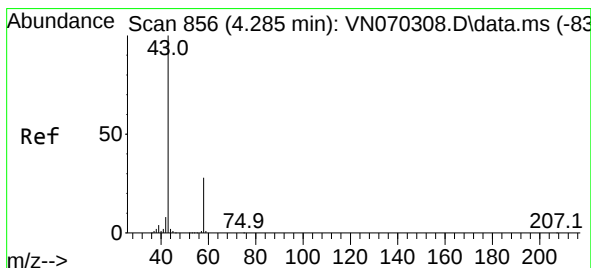
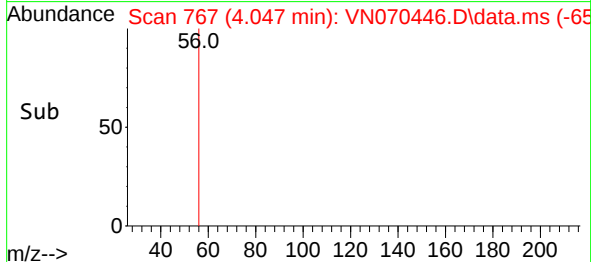
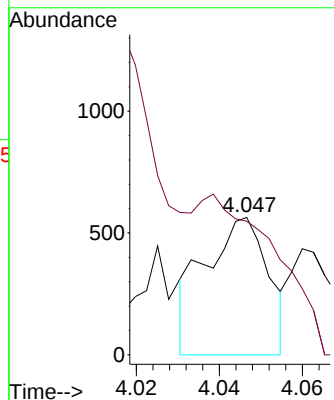
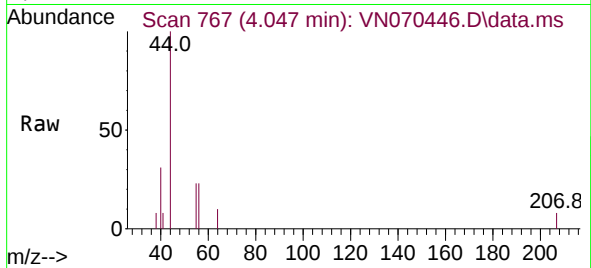




#13
Acrolein
Concen: 0.307 ug/l
RT: 4.047 min Scan# 765
Delta R.T. 0.006 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

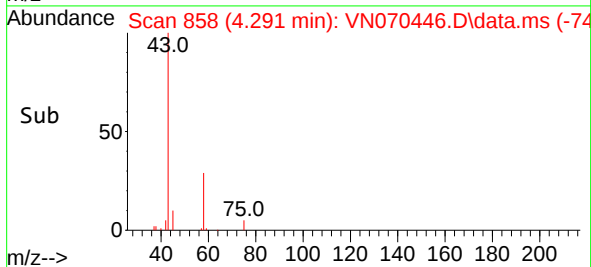
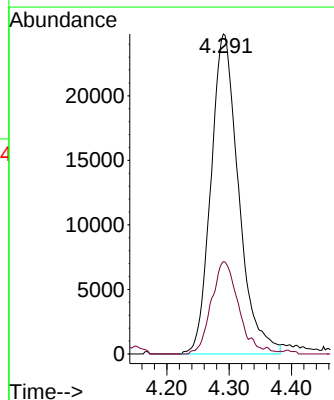
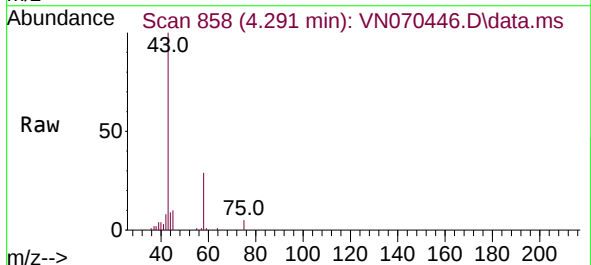
Instrument :
MSVOA_N
ClientSampleId :
TW-1

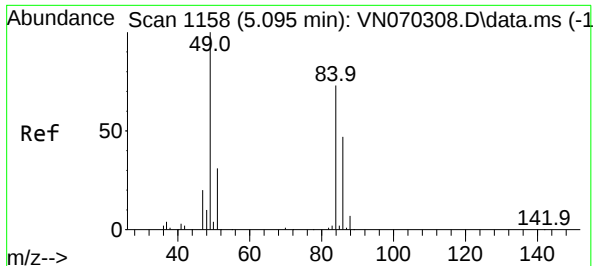
Tgt Ion: 56 Resp: 598
Ion Ratio Lower Upper
56 100
55 0.0 56.6 85.0#



#16
Acetone
Concen: 8.195 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion: 43 Resp: 76614
Ion Ratio Lower Upper
43 100
58 28.8 23.1 34.7





#20

Methylene Chloride

Concen: 0.369 ug/l

RT: 5.098 min Scan# 1158

Delta R.T. 0.003 min

Lab File: VN070446.D

Acq: 3 Jan 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

TW-1

Tgt Ion: 84 Resp: 4775

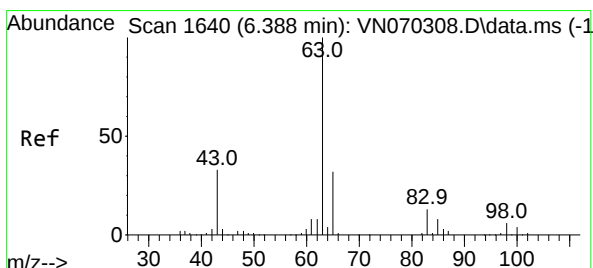
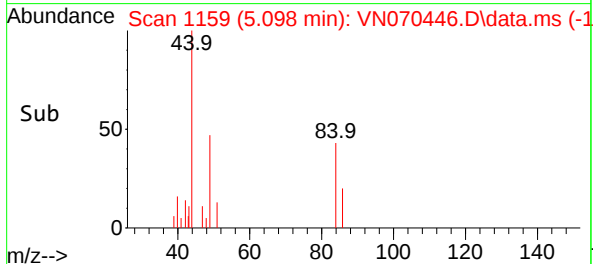
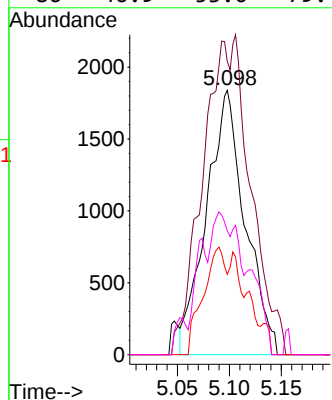
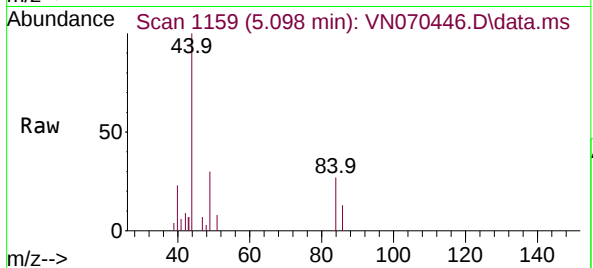
Ion Ratio Lower Upper

84 100

49 99.1 93.5 140.3

51 30.4 29.4 44.2

86 46.9 53.0 79.4#



#24

1,1-Dichloroethane

Concen: 1.221 ug/l

RT: 6.385 min Scan# 1639

Delta R.T. -0.003 min

Lab File: VN070446.D

Acq: 3 Jan 2022 18:58

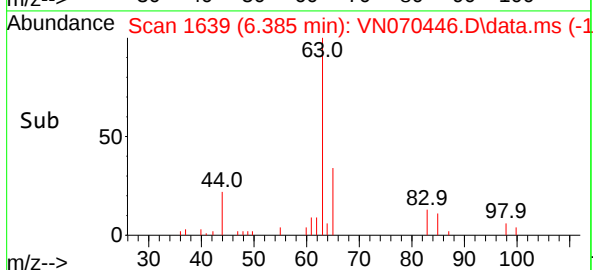
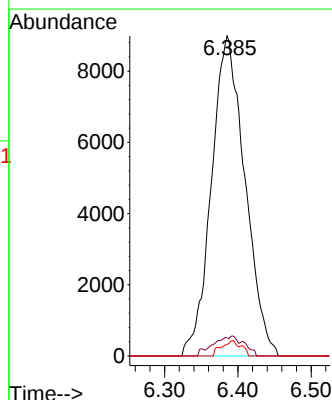
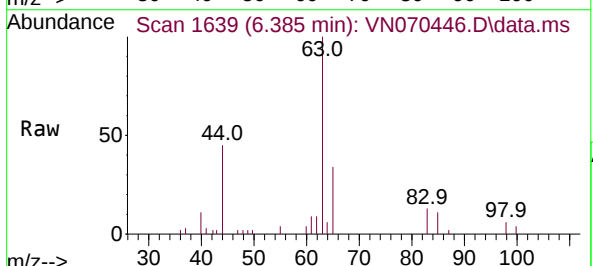
Tgt Ion: 63 Resp: 28517

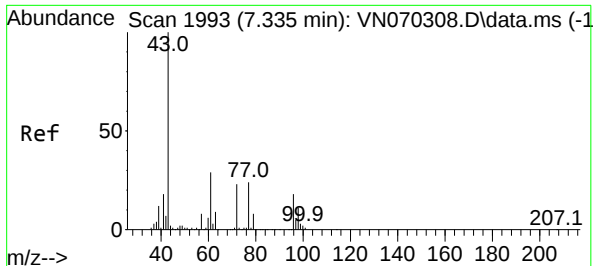
Ion Ratio Lower Upper

63 100

98 5.7 3.3 9.9

100 3.5 2.1 6.5





#25

2-Butanone

Concen: 0.361 ug/l

RT: 7.345 min Scan# 1997

Delta R.T. 0.010 min

Lab File: VN070446.D

Acq: 3 Jan 2022 18:58

Instrument :

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ClientSampleId :

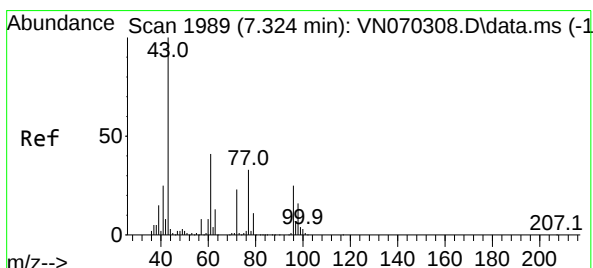
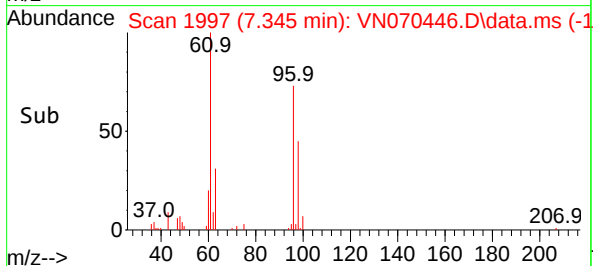
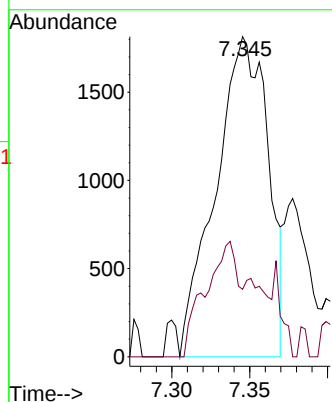
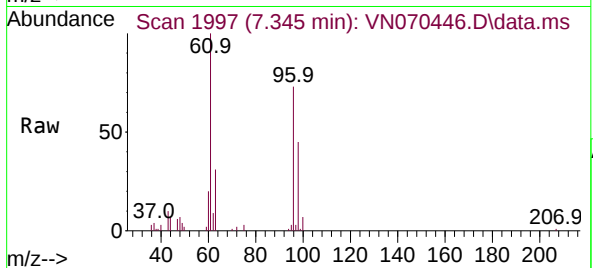
TW-1

Tgt Ion: 43 Resp: 4247

Ion Ratio Lower Upper

43 100

72 21.0 21.7 32.5#



#27

cis-1,2-Dichloroethene

Concen: 4.746 ug/l

RT: 7.324 min Scan# 1989

Delta R.T. -0.000 min

Lab File: VN070446.D

Acq: 3 Jan 2022 18:58

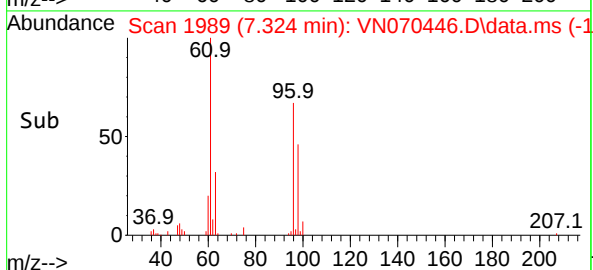
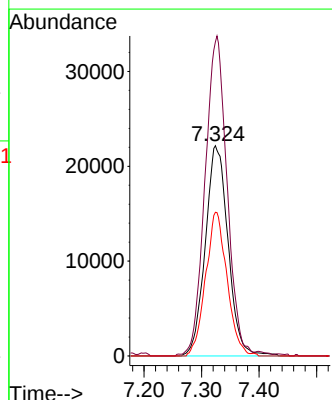
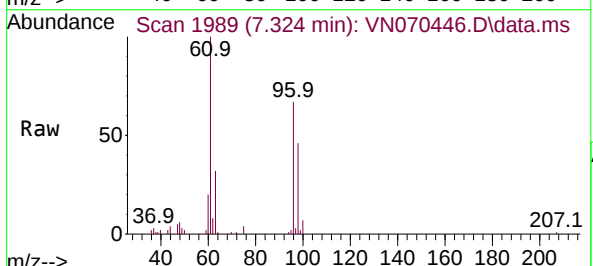
Tgt Ion: 96 Resp: 61166

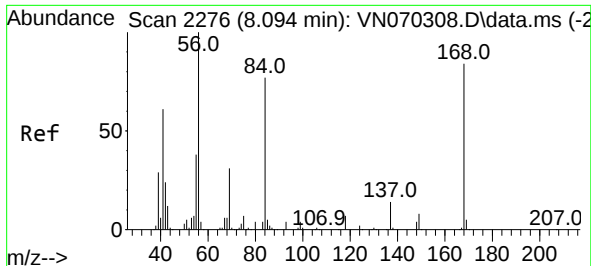
Ion Ratio Lower Upper

96 100

61 146.4 0.0 275.0

98 64.1 0.0 129.6

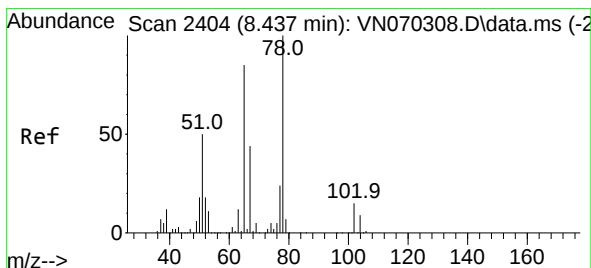
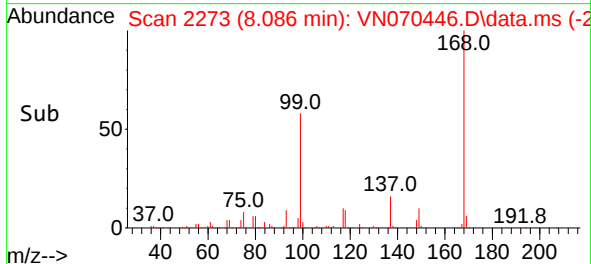
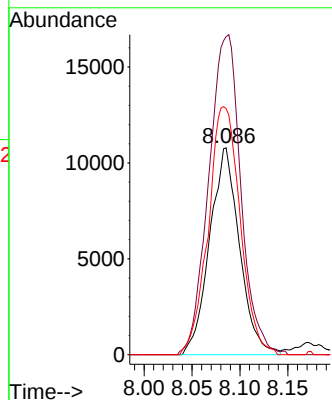
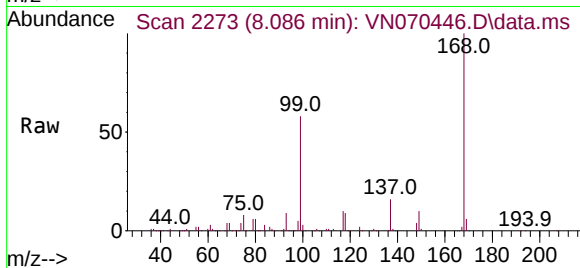




#31
Cyclohexane
Concen: 1.030 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.008 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

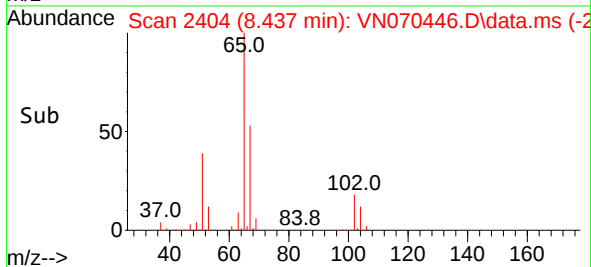
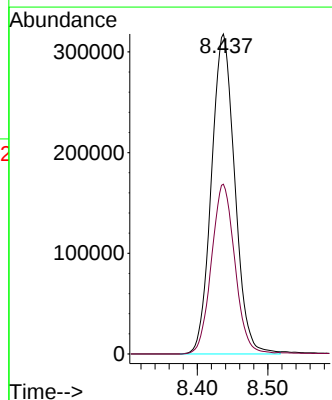
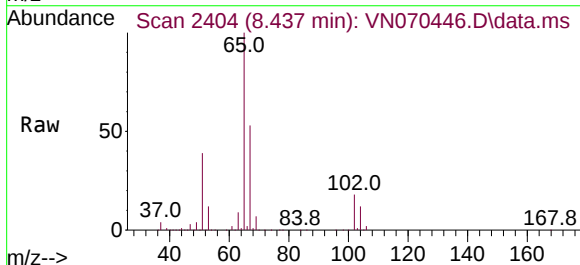
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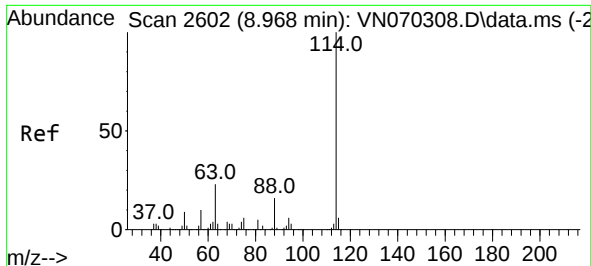
Tgt Ion: 56 Resp: 23399
Ion Ratio Lower Upper
56 100
69 152.4 27.1 40.7#
84 119.0 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 50.782 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. -0.000 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion: 65 Resp: 731346
Ion Ratio Lower Upper
65 100
67 53.2 0.0 103.0

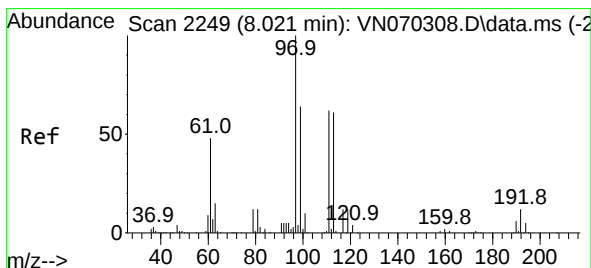
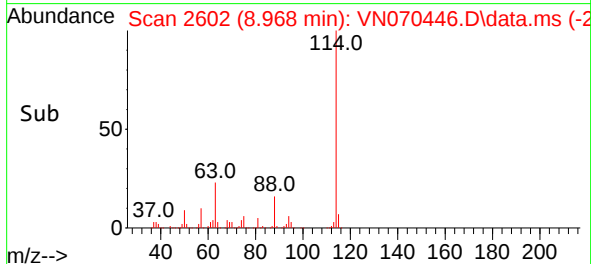
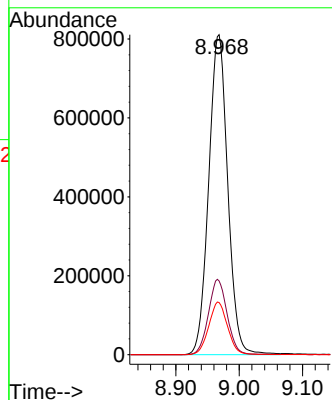
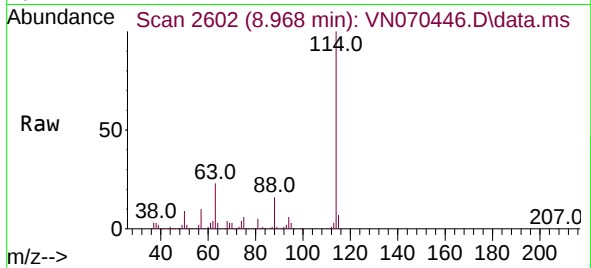




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

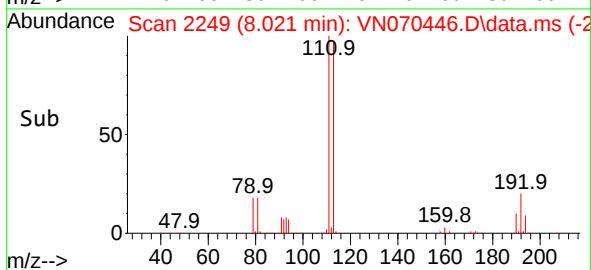
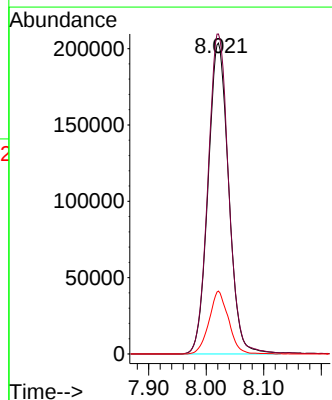
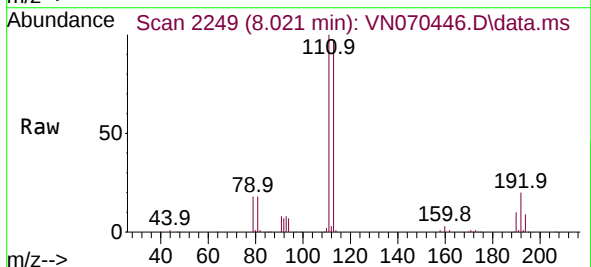
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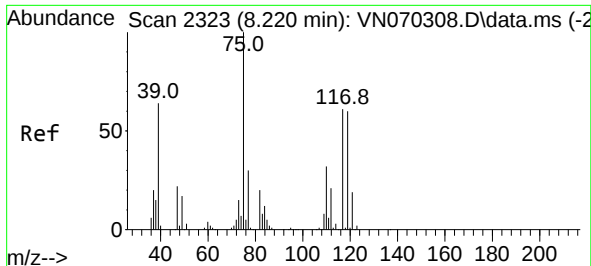
Tgt Ion:114 Resp: 1692513
Ion Ratio Lower Upper
114 100
63 23.1 0.0 37.8
88 16.3 0.0 27.4



#35
Dibromofluoromethane
Concen: 49.516 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion:113 Resp: 507068
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.2
192 19.0 16.9 25.3

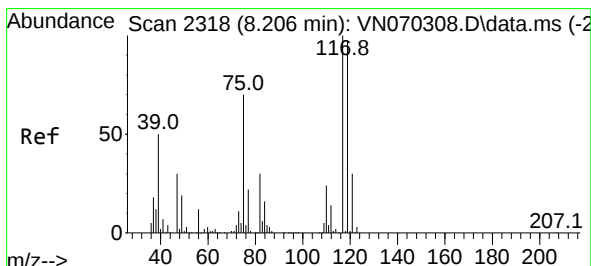
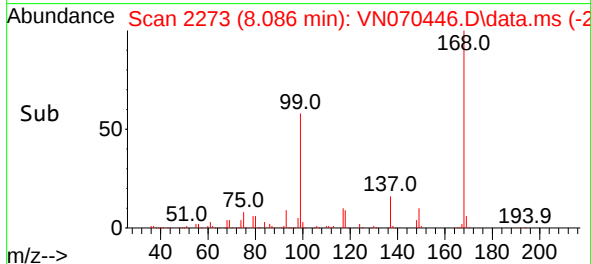
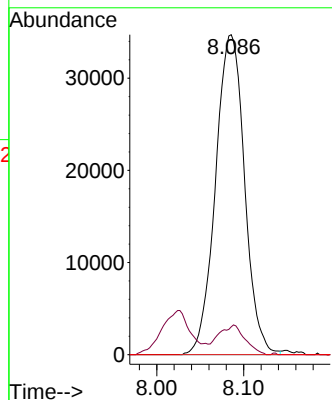
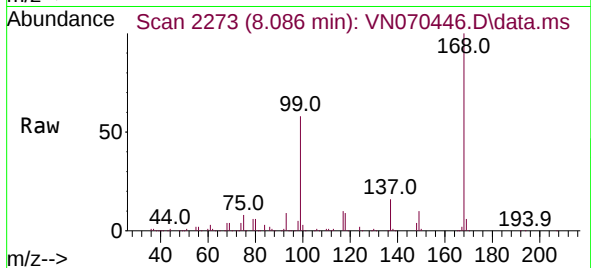




#36
1,1-Dichloropropene
Concen: 4.756 ug/l
RT: 8.086 min Scan# 211
Delta R.T. -0.134 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

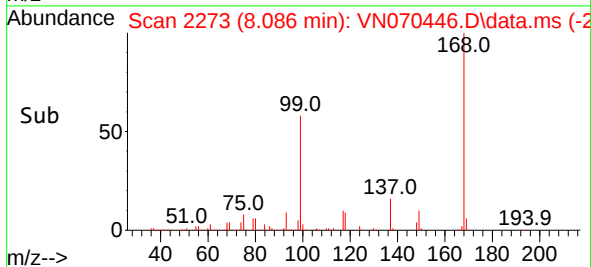
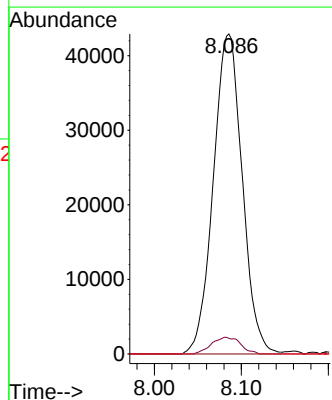
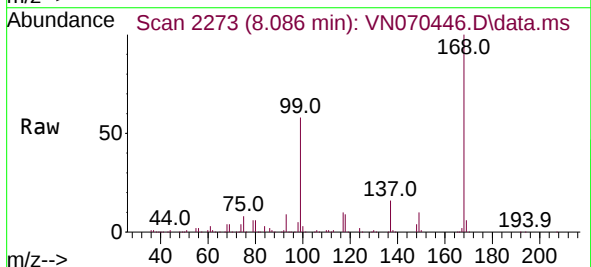
Instrument :
MSVOA_N
ClientSampleId :
TW-1

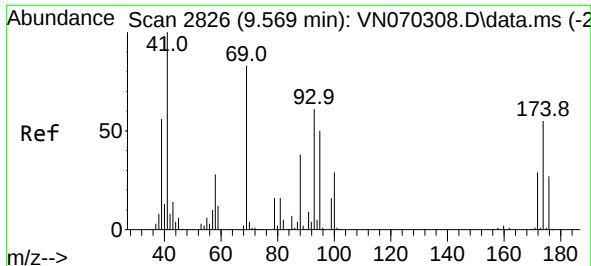
Tgt Ion: 75 Resp: 80564
Ion Ratio Lower Upper
75 100
110 8.6 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.131 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion: 117 Resp: 99185
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#





#49

1,4-Dioxane

Concen: 0.596 ug/l

RT: 9.585 min Scan# 21

Delta R.T. 0.016 min

Lab File: VN070446.D

Acq: 3 Jan 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

TW-1

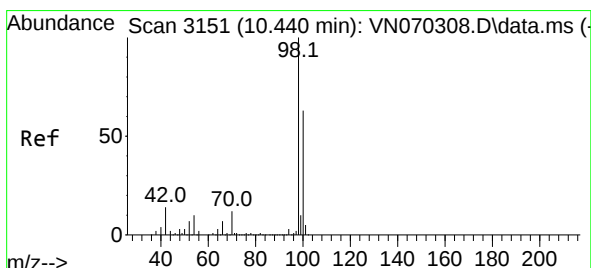
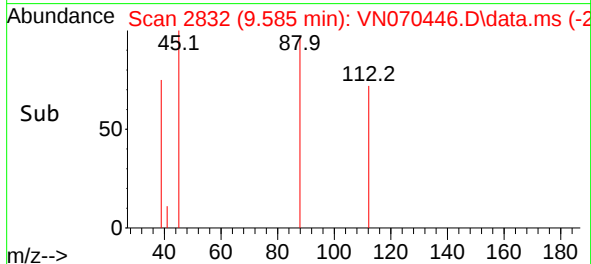
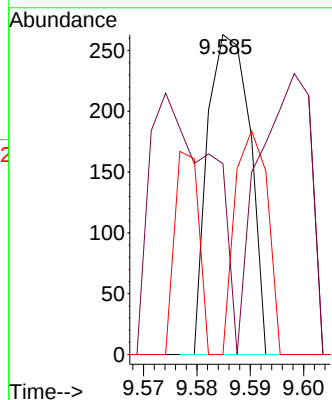
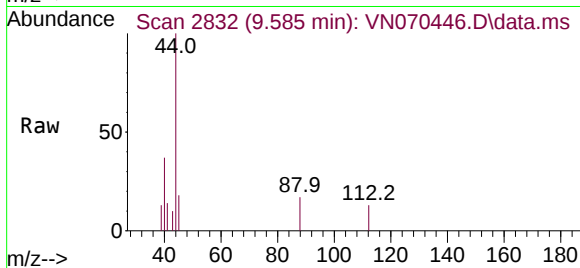
Tgt Ion: 88 Resp: 144

Ion Ratio Lower Upper

88 100

43 108.3 23.4 35.2#

58 54.2 50.6 75.8



#50

Toluene-d8

Concen: 48.140 ug/l

RT: 10.440 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VN070446.D

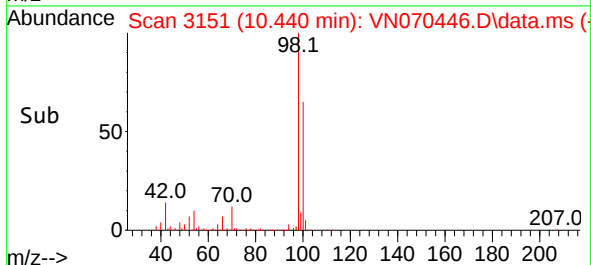
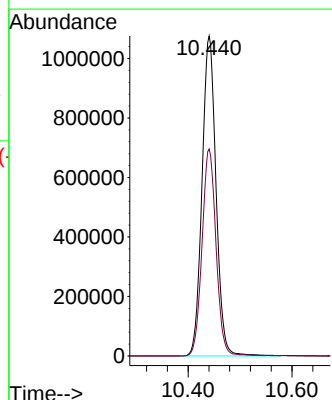
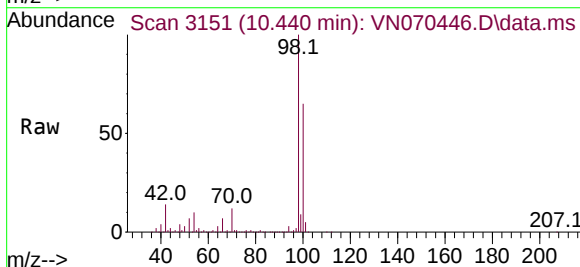
Acq: 3 Jan 2022 18:58

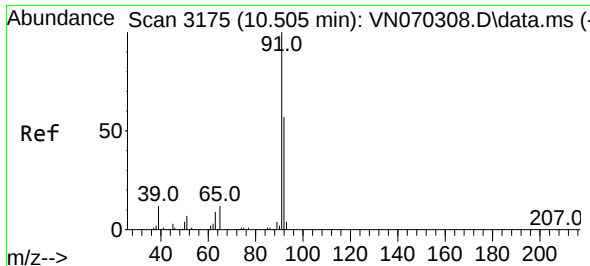
Tgt Ion: 98 Resp: 2013854

Ion Ratio Lower Upper

98 100

100 64.7 50.4 75.6

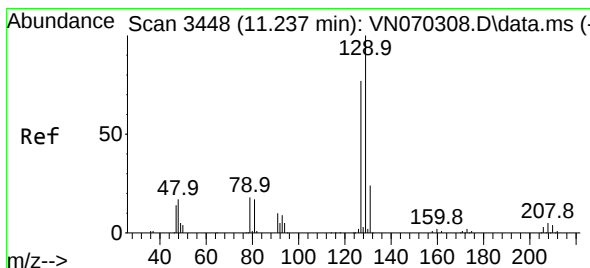
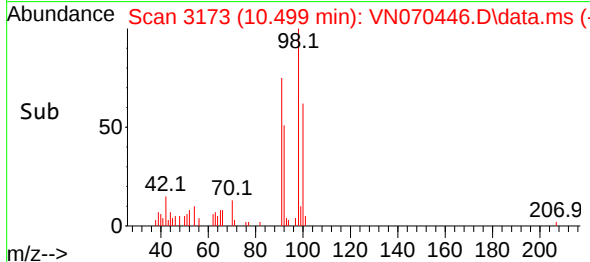
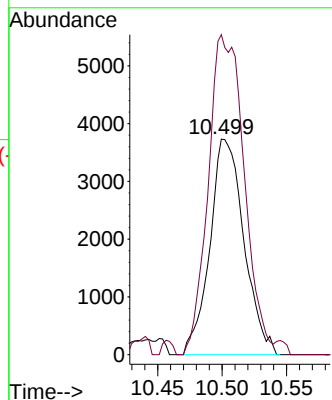
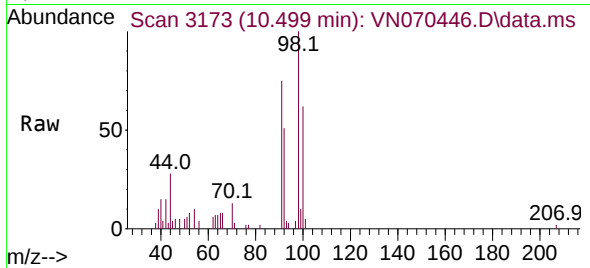




#52
Toluene
Concen: 0.219 ug/l
RT: 10.499 min Scan# 3175
Delta R.T. -0.006 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

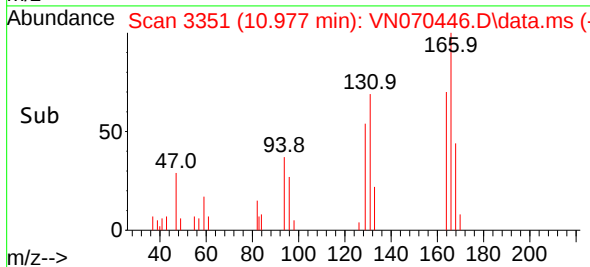
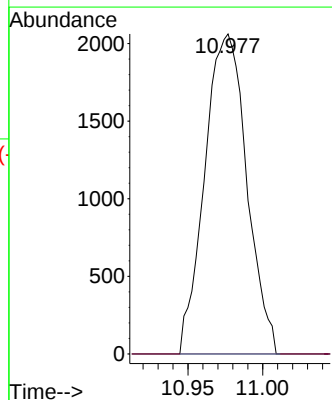
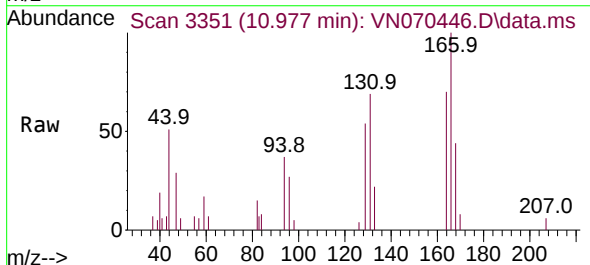
Instrument :
MSVOA_N
ClientSampleId :
TW-1

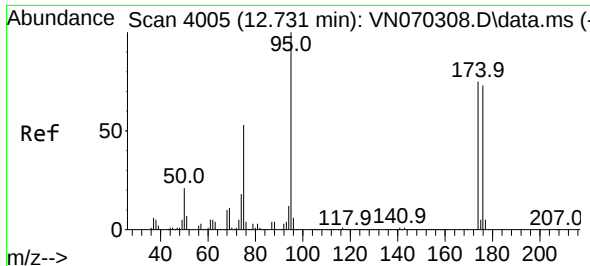
Tgt Ion: 92 Resp: 6872
Ion Ratio Lower Upper
92 100
91 156.1 142.0 213.0



#60
Dibromochloromethane
Concen: 0.333 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.260 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion: 129 Resp: 4037
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

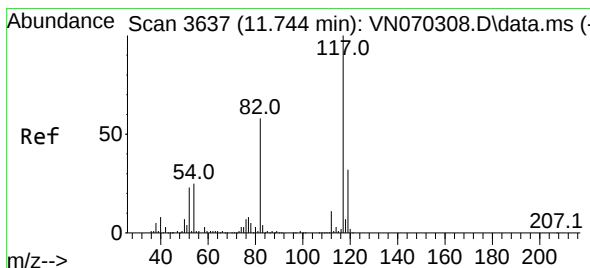
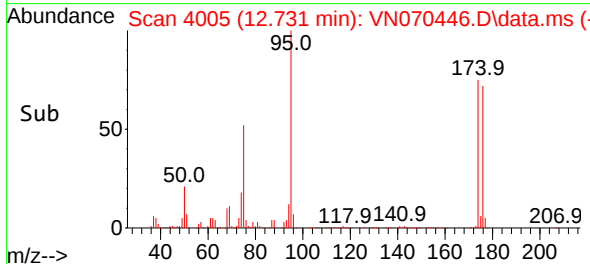
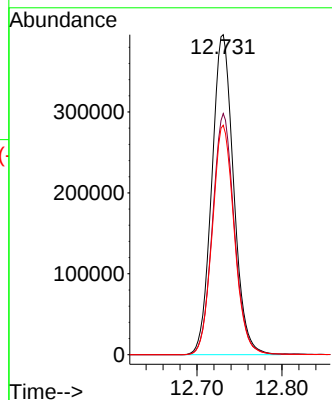
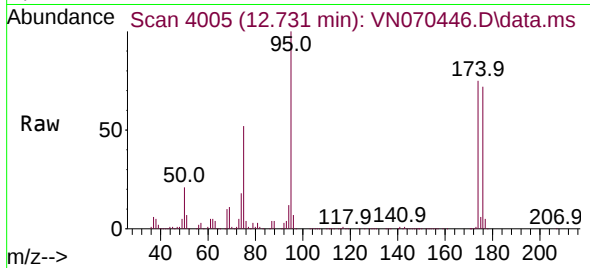




#62
4-Bromofluorobenzene
Concen: 46.756 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

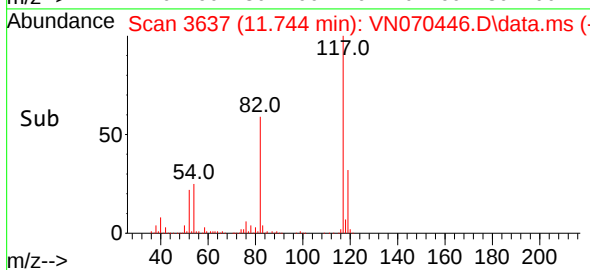
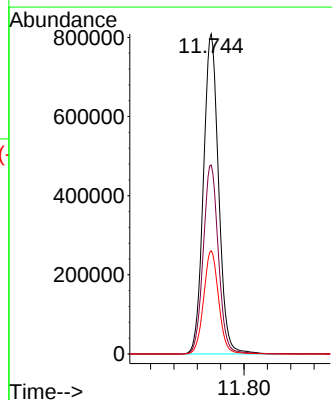
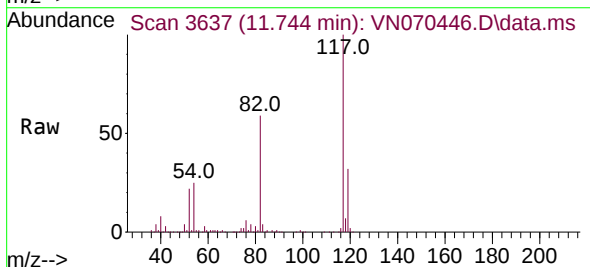
Instrument :
MSVOA_N
ClientSampleId :
TW-1

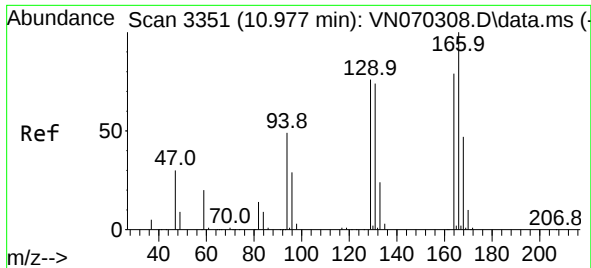
Tgt Ion: 95 Resp: 706459
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 72.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion: 117 Resp: 1461367
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 32.2 25.4 38.2



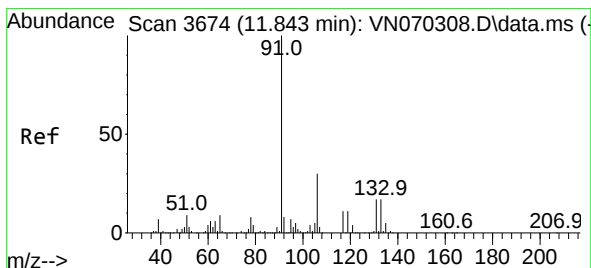
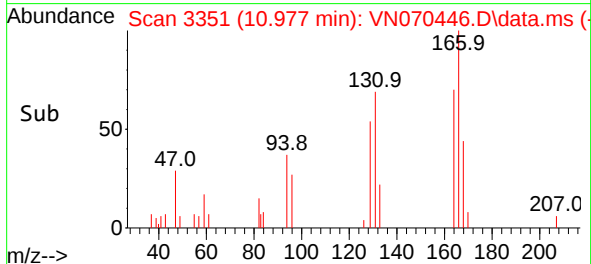
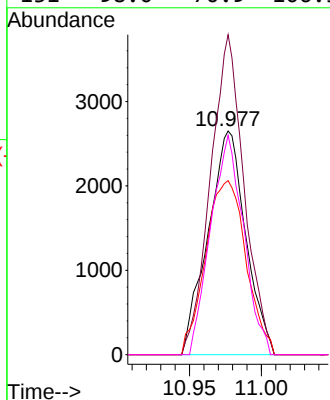
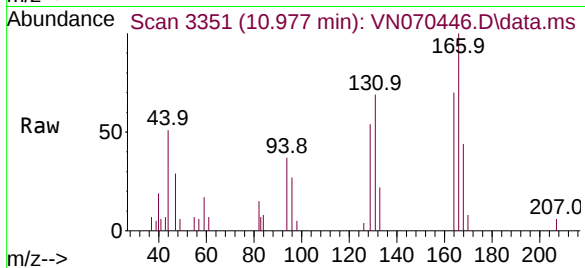


#64
Tetrachloroethene
Concen: 0.456 ug/l
RT: 10.977 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Instrument :
MSVOA_N
ClientSampleId :
TW-1

Tgt Ion:164 Resp: 4830

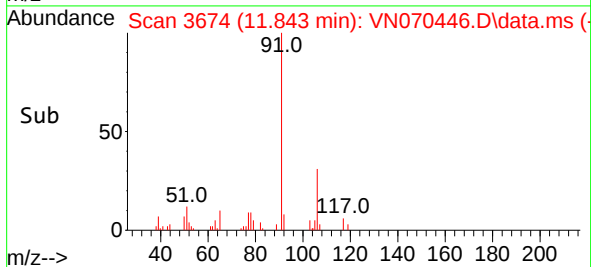
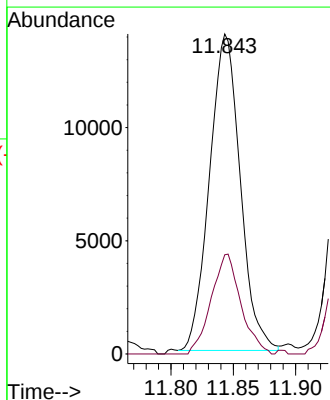
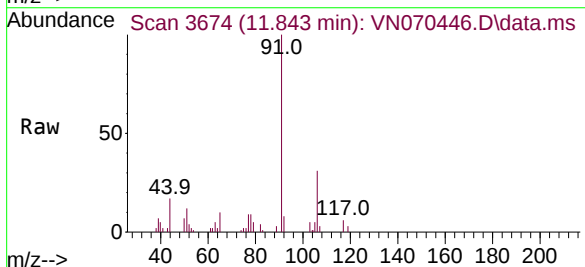
Ion	Ratio	Lower	Upper
164	100		
166	143.1	101.9	152.9
129	77.8	72.0	108.0
131	98.0	70.9	106.3

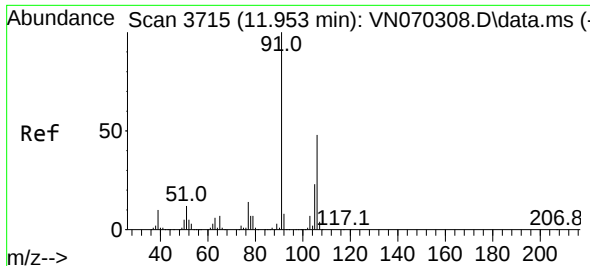


#67
Ethyl Benzene
Concen: 0.422 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion: 91 Resp: 23985

Ion	Ratio	Lower	Upper
91	100		
106	31.4	25.7	38.5

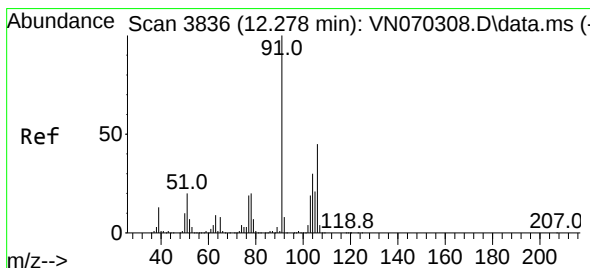
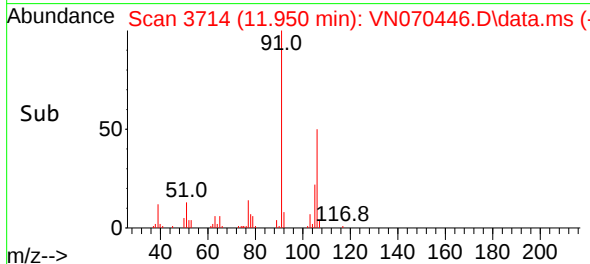
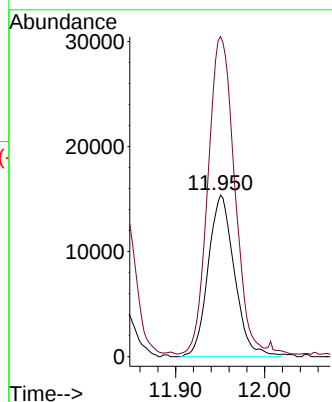
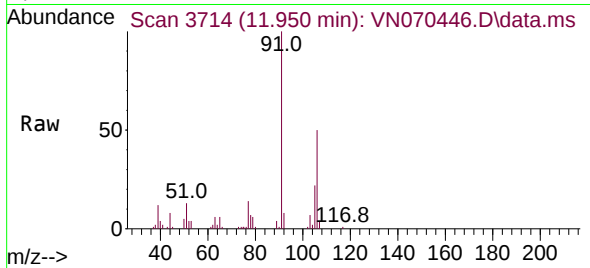




#68
m/p-Xylenes
Concen: 1.523 ug/l
RT: 11.950 min Scan# 31
Delta R.T. -0.003 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

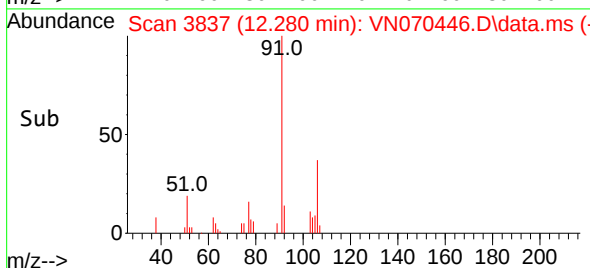
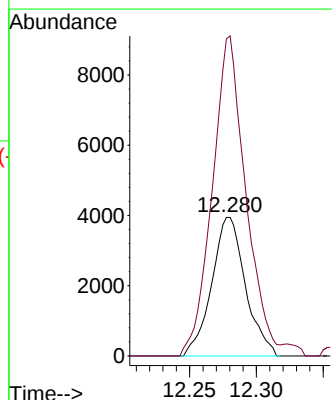
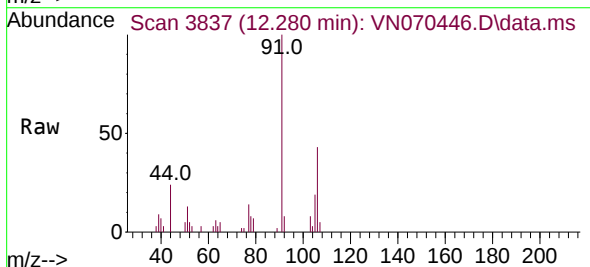
Instrument :
MSVOA_N
ClientSampleId :
TW-1

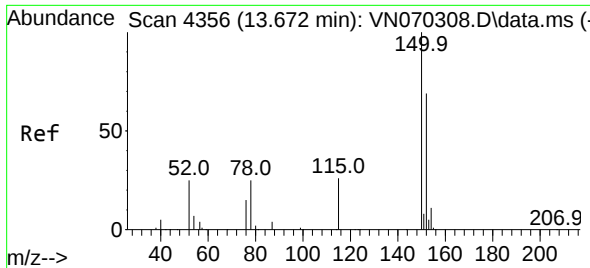
Tgt Ion:106 Resp: 31499
Ion Ratio Lower Upper
106 100
91 198.0 160.6 240.8



#69
o-Xylene
Concen: 0.337 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.002 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion:106 Resp: 6923
Ion Ratio Lower Upper
106 100
91 228.7 105.8 317.3

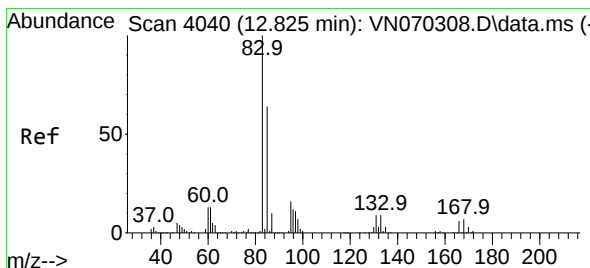
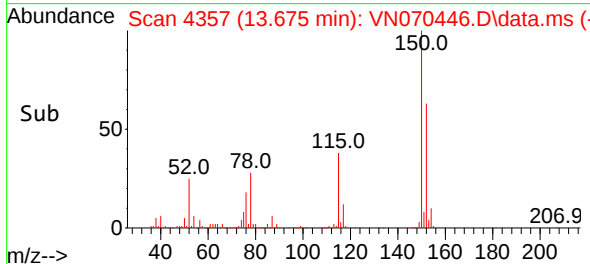
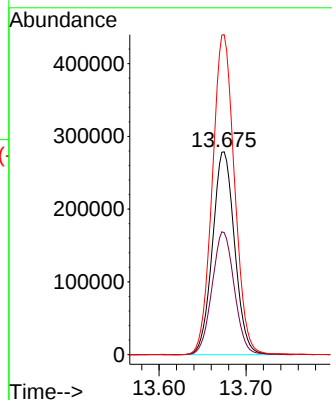
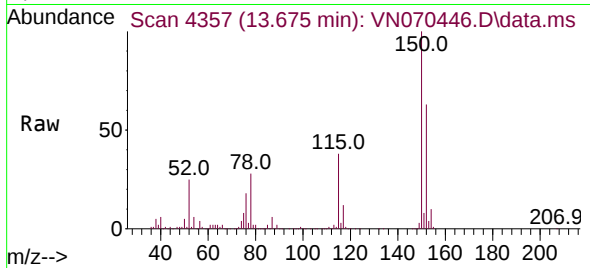




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.675 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070446.D
 Acq: 3 Jan 2022 18:58

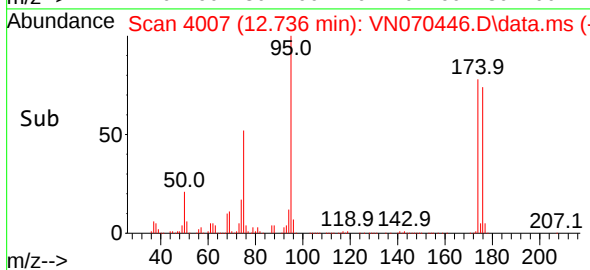
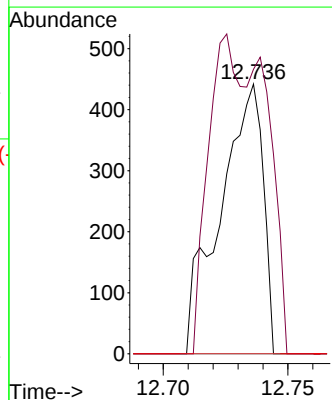
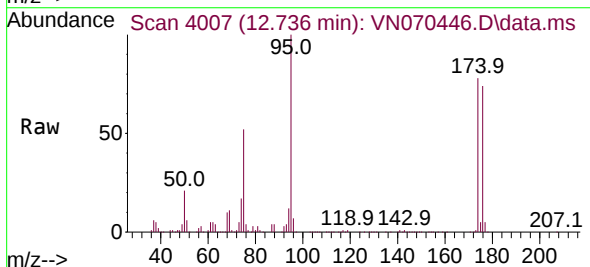
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-1

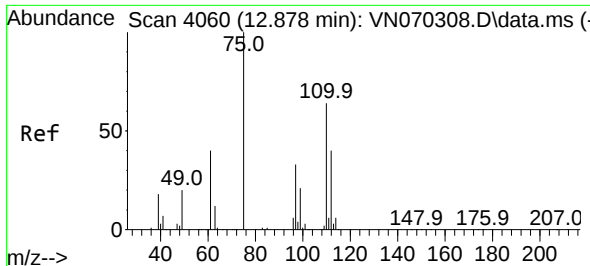
Tgt Ion:152 Resp: 494040
 Ion Ratio Lower Upper
 152 100
 115 60.9 27.5 82.5
 150 158.2 0.0 344.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 0.479 ug/l
 RT: 12.736 min Scan# 4007
 Delta R.T. -0.089 min
 Lab File: VN070446.D
 Acq: 3 Jan 2022 18:58

Tgt Ion: 83 Resp: 530
 Ion Ratio Lower Upper
 83 100
 131 99.6 5.5 16.5#
 85 0.0 32.4 97.2#

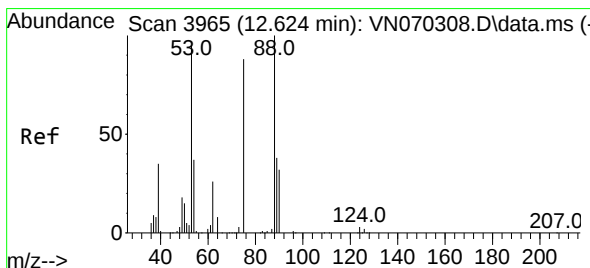
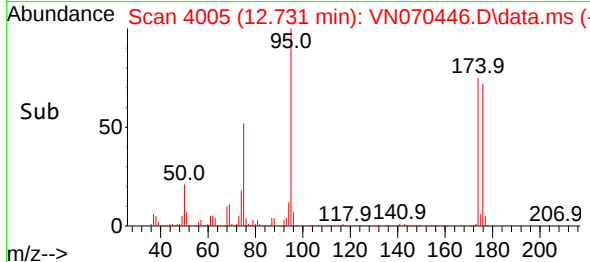
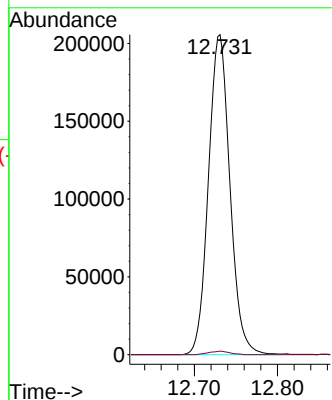
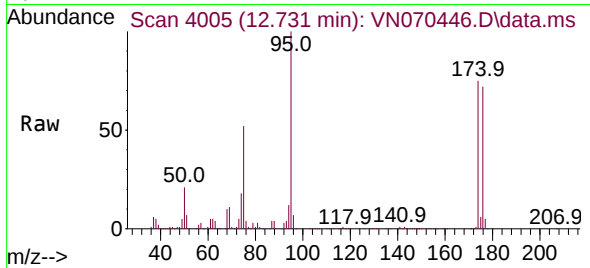




#76
1,2,3-Trichloropropane
Concen: 26.578 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.147 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

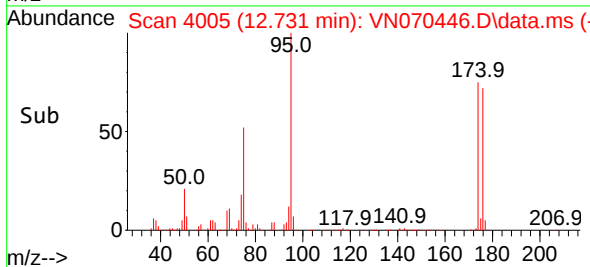
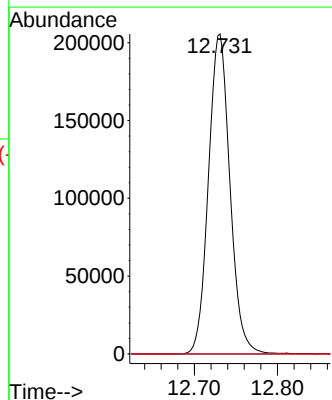
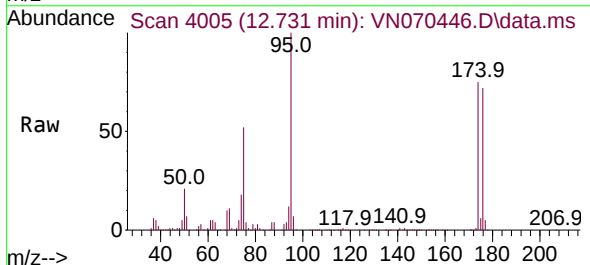
Instrument :
MSVOA_N
ClientSampleId :
TW-1

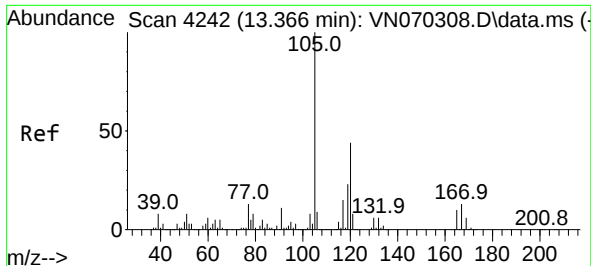
Tgt Ion: 75 Resp: 368911
Ion Ratio Lower Upper
75 100
77 1.1 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.232 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.107 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion: 75 Resp: 368911
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 38.2 57.4#

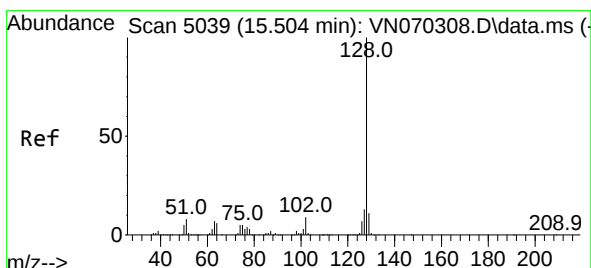
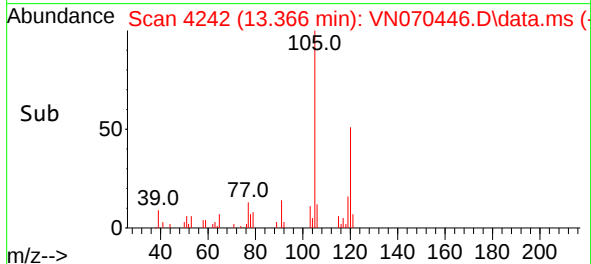
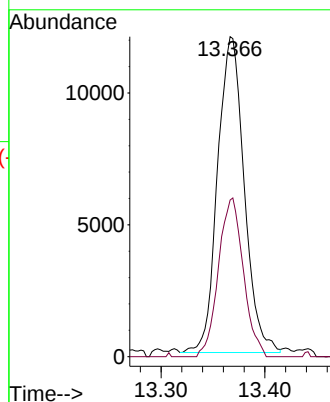
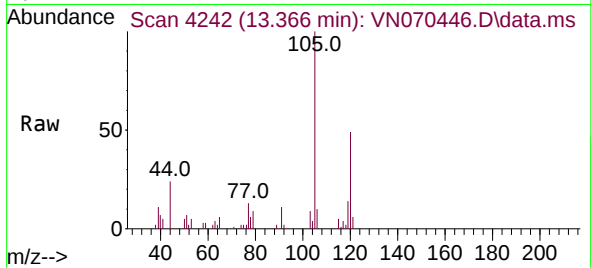




#84
1,2,4-Trimethylbenzene
Concen: 0.604 ug/l
RT: 13.366 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

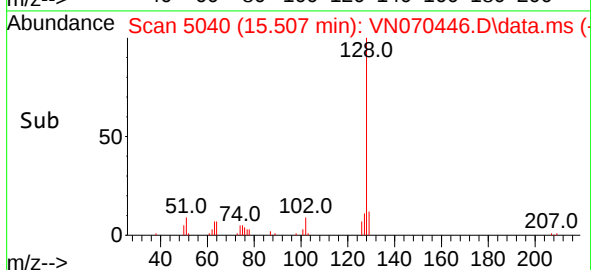
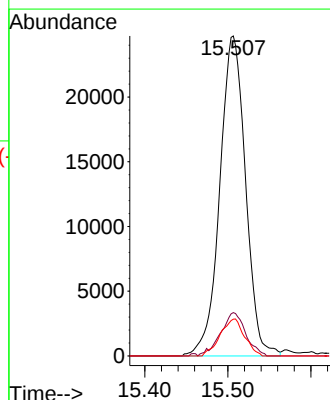
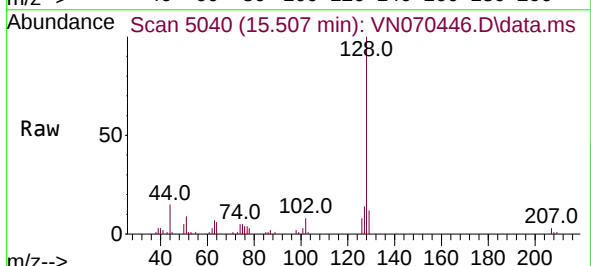
Instrument :
MSVOA_N
ClientSampleId :
TW-1

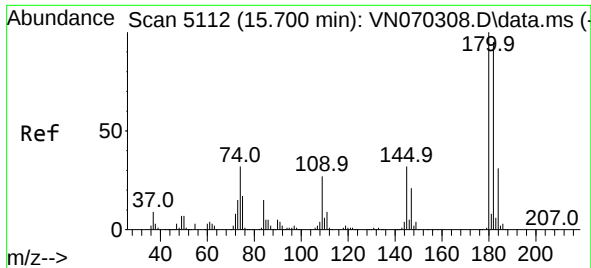
Tgt Ion:105 Resp: 21386
Ion Ratio Lower Upper
105 100
120 46.8 22.8 68.4



#95
Naphthalene
Concen: 4.078 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070446.D
Acq: 3 Jan 2022 18:58

Tgt Ion:128 Resp: 53253
Ion Ratio Lower Upper
128 100
127 13.2 10.5 15.7
129 10.9 8.7 13.1





#96

1,2,3-Trichlorobenzene

Concen: 0.859 ug/l

RT: 15.700 min Scan# 51

Delta R.T. -0.000 min

Lab File: VN070446.D

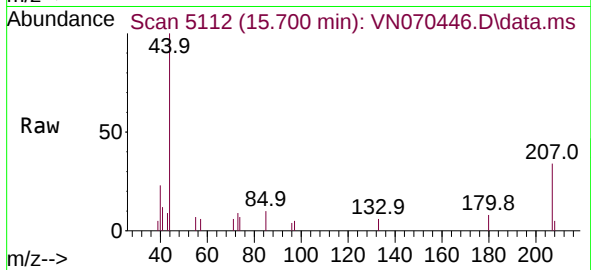
Acq: 3 Jan 2022 18:58

Instrument :

MSVOA_N

ClientSampleId :

TW-1



Tgt Ion:180 Resp: 264

Ion Ratio Lower Upper

180 100

182 53.0 47.4 142.2

145 0.0 15.0 45.1#

