

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
 Data File : VN072922.D
 Acq On : 18 Jun 2022 07:26
 Operator : JC\MD
 Sample : VN0618WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBL01

Quant Time: Jun 20 08:00:53 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

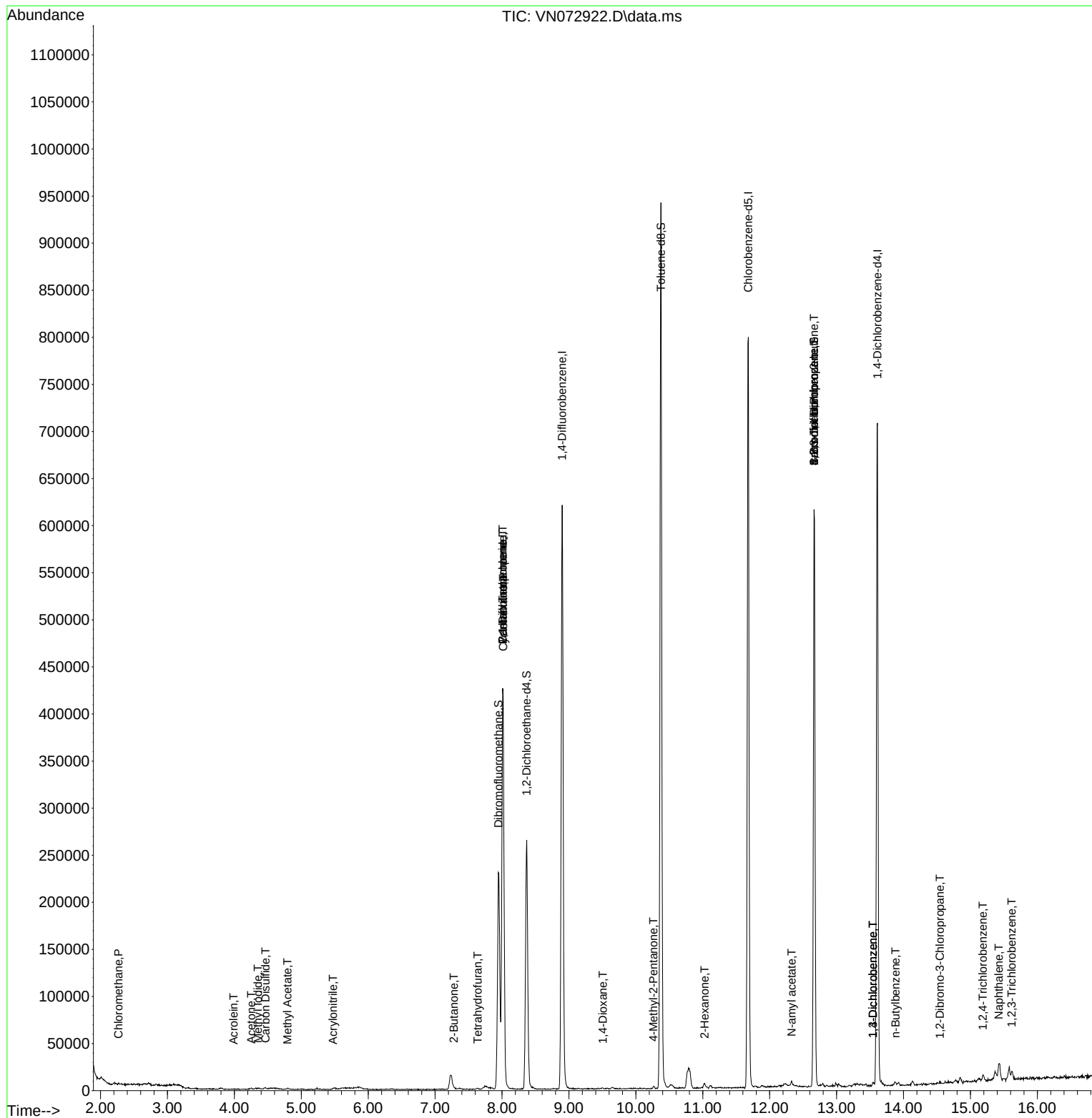
Internal Standards						
1) Pentafluorobenzene	8.010	168	336128	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	567036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	478476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	200179	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	220983	48.628	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.260%		
35) Dibromofluoromethane	7.945	113	171124	48.826	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.660%		
50) Toluene-d8	10.375	98	646869	49.601	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.200%		
62) 4-Bromofluorobenzene	12.663	95	216858	46.243	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	92.480%		
Target Compounds						Qvalue
3) Chloromethane	2.269	50	1010	0.860	ug/l	99
10) Methyl Iodide	4.352	142	1782	0.481	ug/l #	75
13) Acrolein	3.987	56	133	0.288	ug/l #	15
15) Acrylonitrile	5.475	53	564	0.208	ug/l #	82
16) Acetone	4.252	43	2255	0.903	ug/l #	35
17) Carbon Disulfide	4.463	76	2567	0.311	ug/l #	75
18) Methyl Acetate	4.793	43	1369	0.206	ug/l #	76
20) Methylene Chloride	5.022	84	238	Below Cal	#	56
25) 2-Butanone	7.281	43	1054	0.266	ug/l #	12
26) 2,2-Dichloropropane	7.222	77	550	Below Cal	#	53
29) Tetrahydrofuran	7.634	42	899	0.343	ug/l #	53
31) Cyclohexane	8.016	56	7239	1.178	ug/l #	29
36) 1,1-Dichloropropene	8.010	75	25781	5.436	ug/l #	49
38) Carbon Tetrachloride	8.010	117	33376	6.691	ug/l #	17
49) 1,4-Dioxane	9.504	88	65	0.584	ug/l #	1
51) 4-Methyl-2-Pentanone	10.263	43	2384	0.337	ug/l #	73
59) 2-Hexanone	11.028	43	4902	0.896	ug/l	76
71) Bromoform	12.663	173	1493	0.557	ug/l #	28
74) N-amyl acetate	12.327	43	3277	0.408	ug/l #	75
76) 1,2,3-Trichloropropane	12.663	75	109376	22.536	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.663	75	109376	60.862	ug/l #	10
87) 1,3-Dichlorobenzene	13.545	146	1471	0.222	ug/l	96
88) 1,4-Dichlorobenzene	13.545	146	1471	0.219	ug/l	96
89) n-Butylbenzene	13.880	91	2269	0.221	ug/l	83
92) 1,2-Dibromo-3-Chloropr...	14.545	75	555	0.312	ug/l #	27
93) 1,2,4-Trichlorobenzene	15.186	180	2648	0.693	ug/l	98
95) Naphthalene	15.421	128	17005	1.100	ug/l	98
96) 1,2,3-Trichlorobenzene	15.616	180	3091	0.757	ug/l	90

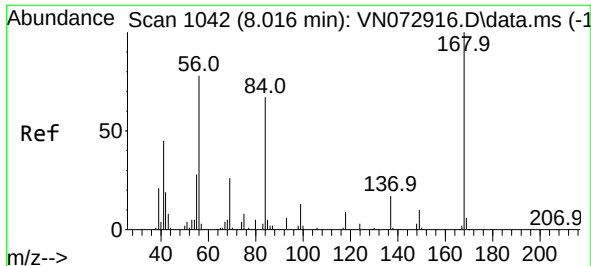
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061822\
Data File : VN072922.D
Acq On : 18 Jun 2022 07:26
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Sample : VN0618WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
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Quant Time: Jun 20 08:00:53 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
Response via : Initial Calibration

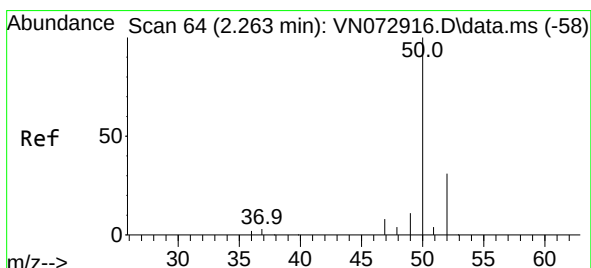
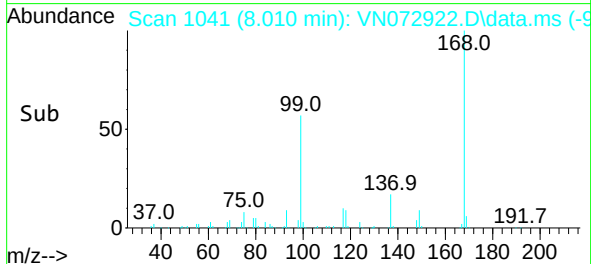
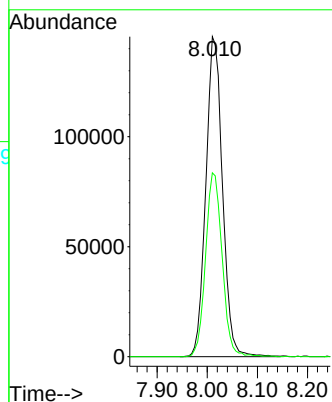
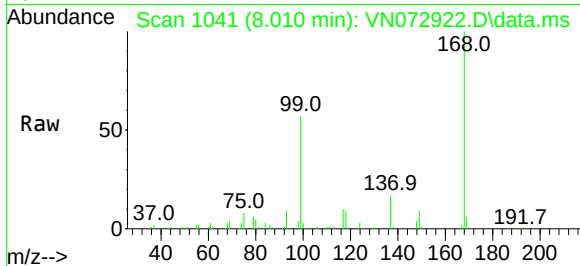




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

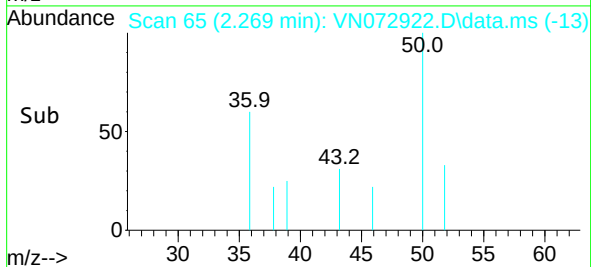
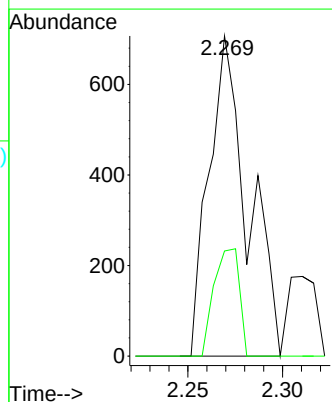
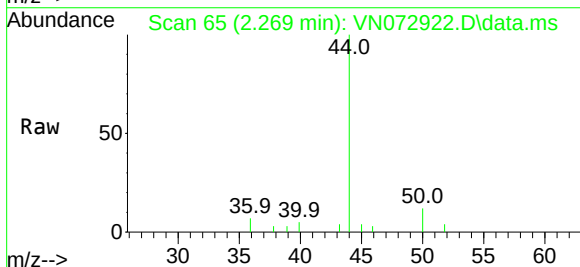
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

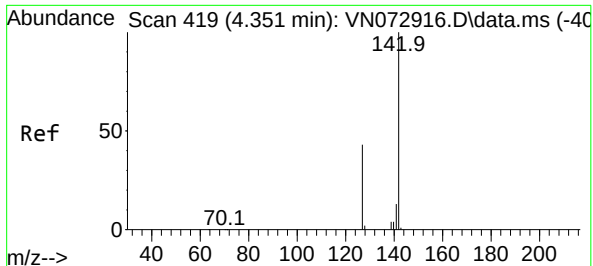
Tgt Ion:168 Resp: 336128
Ion Ratio Lower Upper
168 100
99 57.5 42.3 63.5



#3
Chloromethane
Concen: 0.860 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

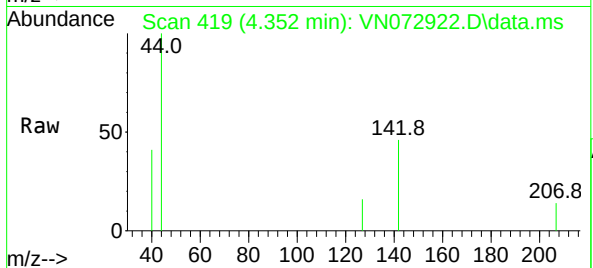
Tgt Ion: 50 Resp: 1010
Ion Ratio Lower Upper
50 100
52 32.8 25.7 38.5



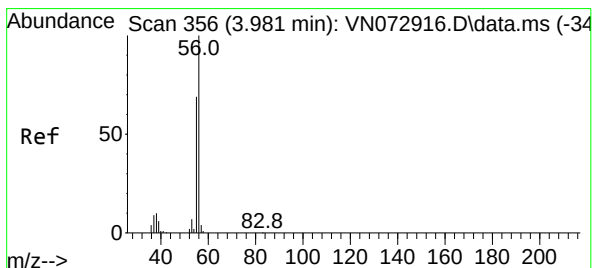
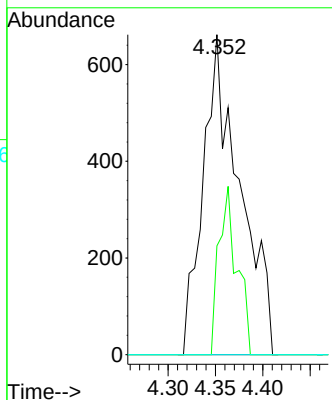
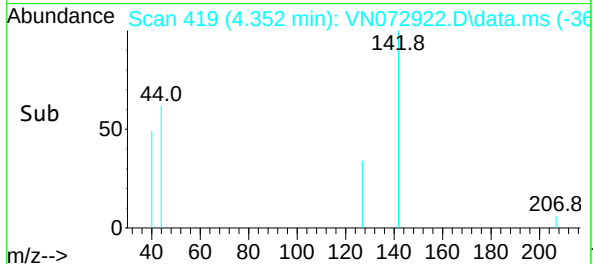


#10
Methyl Iodide
Concen: 0.481 ug/l
RT: 4.352 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

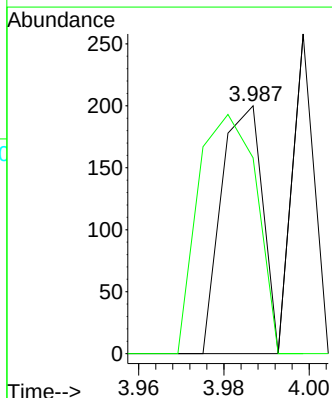
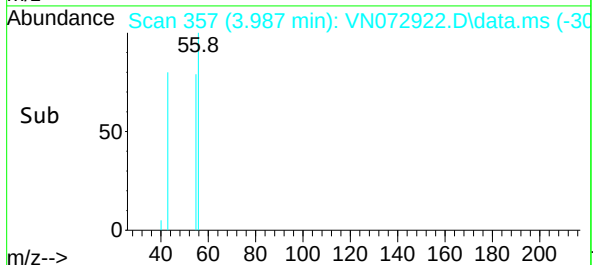
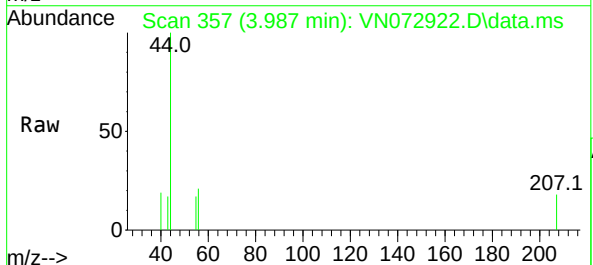


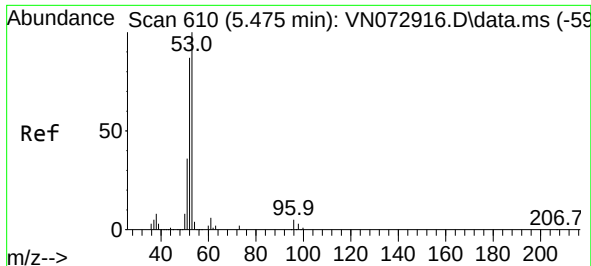
Tgt Ion:142 Resp: 1782
Ion Ratio Lower Upper
142 100
127 26.1 31.3 46.9#
141 0.0 11.2 16.8#



#13
Acrolein
Concen: 0.288 ug/l
RT: 3.987 min Scan# 357
Delta R.T. 0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

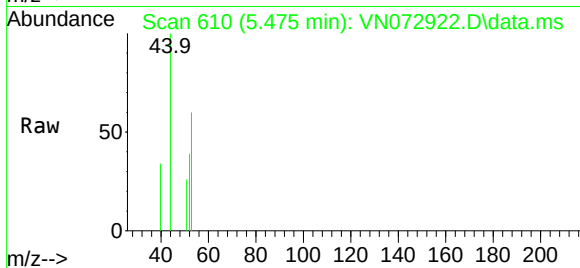
Tgt Ion: 56 Resp: 133
Ion Ratio Lower Upper
56 100
55 137.6 54.8 82.2#



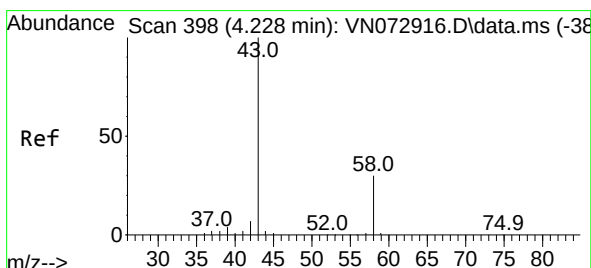
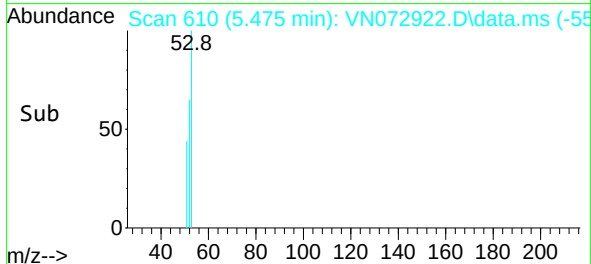
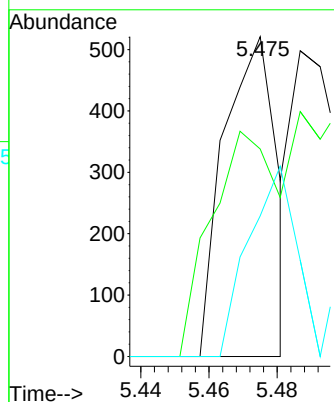


#15
Acrylonitrile
Concen: 0.208 ug/l
RT: 5.475 min Scan# 610
Delta R.T. 0.000 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

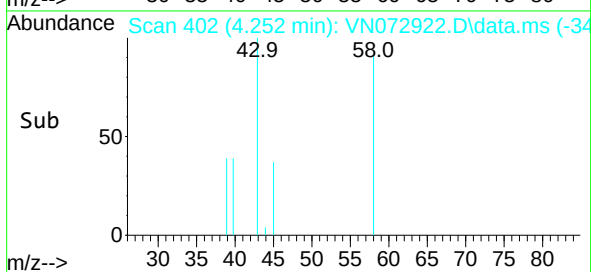
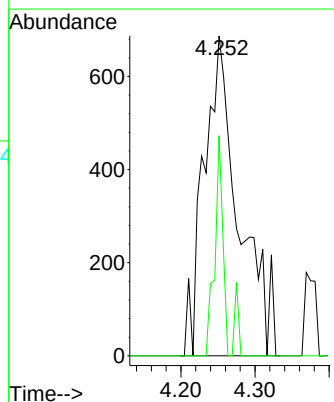
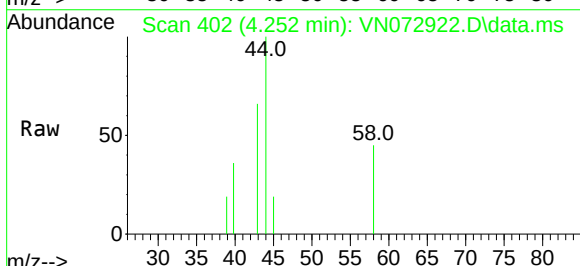


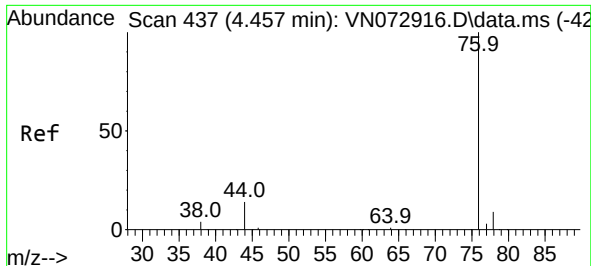
Tgt Ion: 53	Resp: 564
Ion Ratio	Lower Upper
53	100
52	88.1 66.4 99.6
51	63.7 28.5 42.7#



#16
Acetone
Concen: 0.903 ug/l
RT: 4.252 min Scan# 402
Delta R.T. 0.024 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Tgt Ion: 43	Resp: 2255
Ion Ratio	Lower Upper
43	100
58	68.9 26.0 39.0#

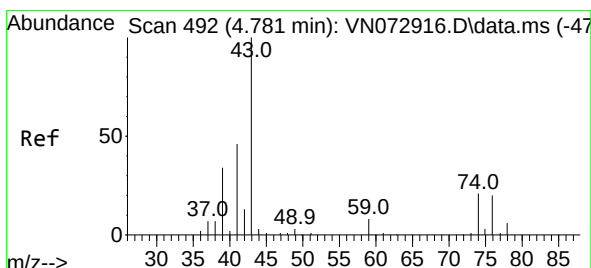
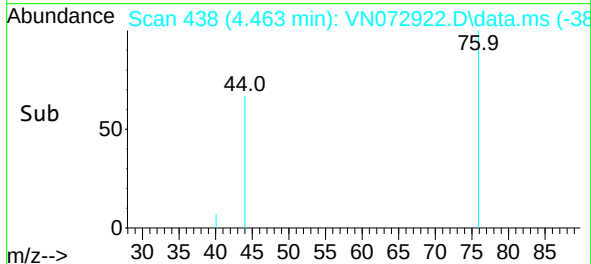
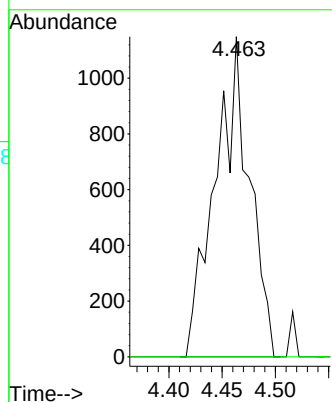
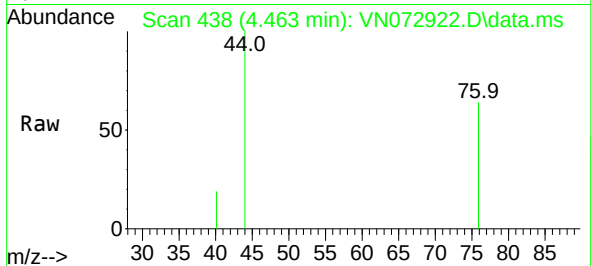




#17
Carbon Disulfide
Concen: 0.311 ug/l
RT: 4.463 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

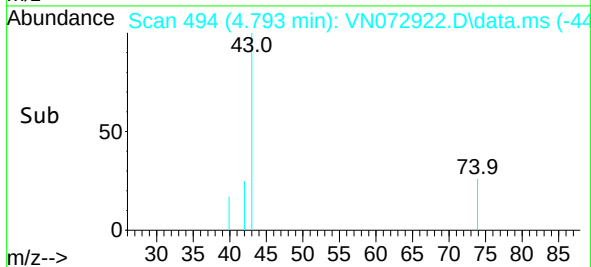
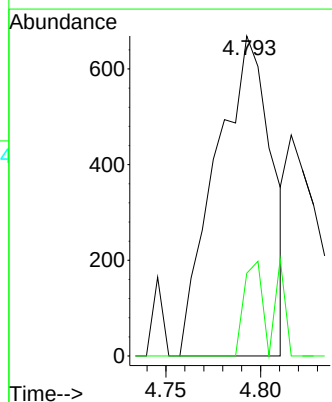
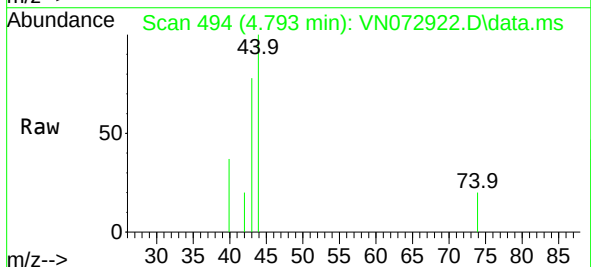
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

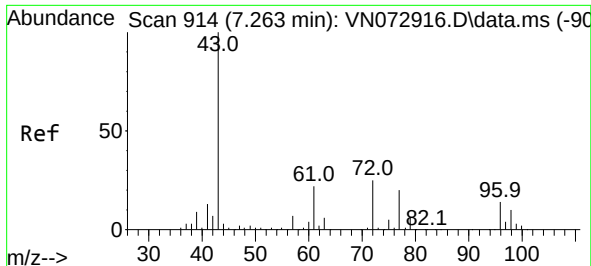
Tgt Ion: 76 Resp: 2567
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.206 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Tgt Ion: 43 Resp: 1369
Ion Ratio Lower Upper
43 100
74 14.8 21.6 32.4#





#25

2-Butanone

Concen: 0.266 ug/l

RT: 7.281 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN072922.D

Acq: 18 Jun 2022 07:26

Instrument :

MSVOA_N

ClientSampleId :

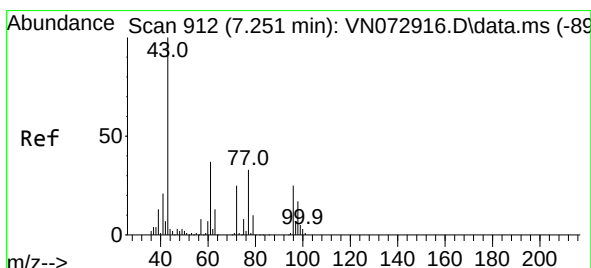
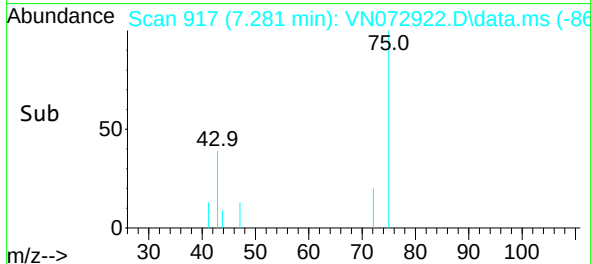
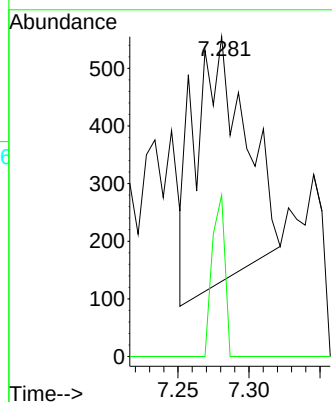
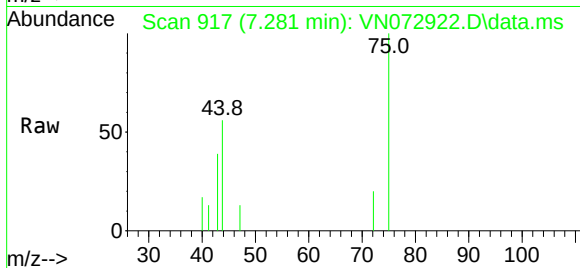
VN0618WBL01

Tgt Ion: 43 Resp: 1054

Ion Ratio Lower Upper

43 100

72 76.9 23.7 35.5#



#26

2,2-Dichloropropane

Concen: Below Cal

RT: 7.222 min Scan# 907

Delta R.T. -0.029 min

Lab File: VN072922.D

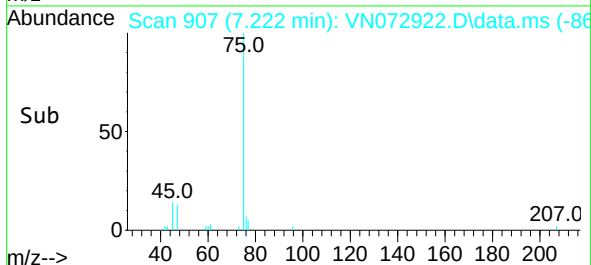
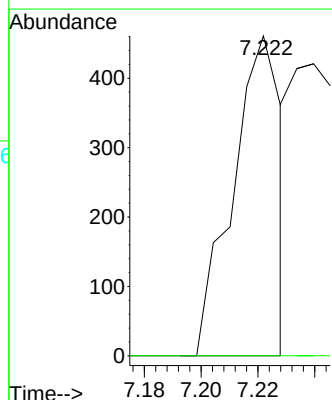
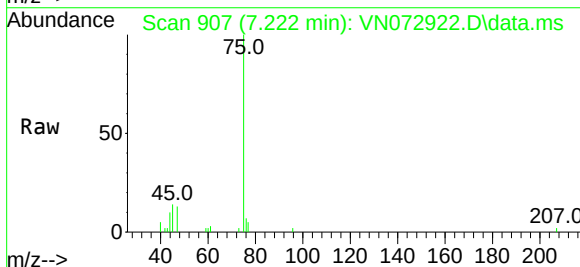
Acq: 18 Jun 2022 07:26

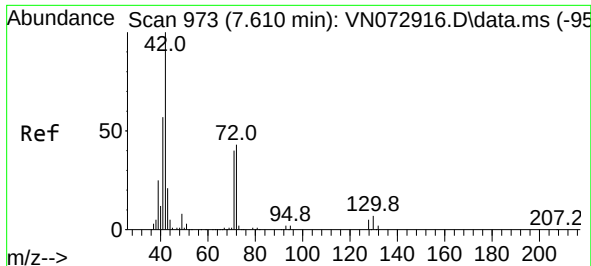
Tgt Ion: 77 Resp: 550

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN072922.D

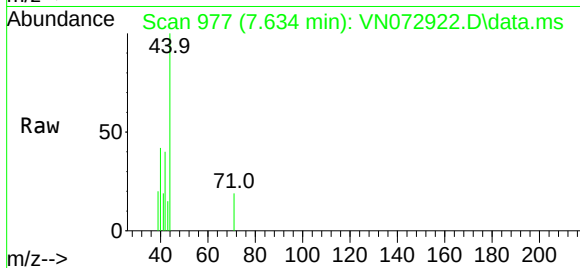
Acq: 18 Jun 2022 07:26

Instrument :

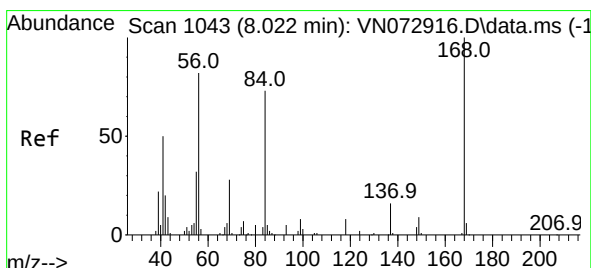
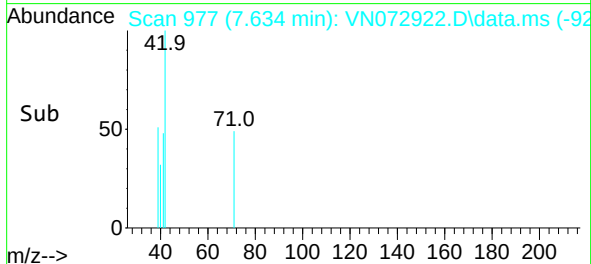
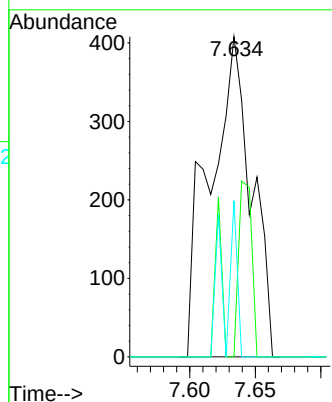
MSVOA_N

ClientSampleId :

VN0618WBL01



Tgt Ion:	42	Resp:	899
Ion	Ratio	Lower	Upper
42	100		
72	17.2	39.7	59.5#
71	14.9	36.6	55.0#



#31

Cyclohexane

Concen: 1.178 ug/l

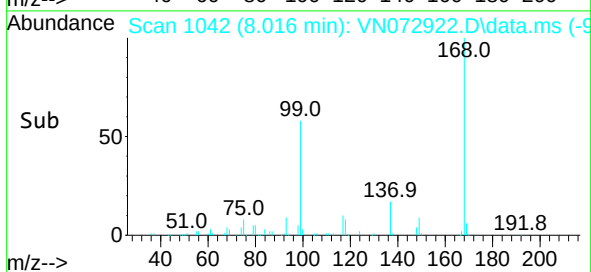
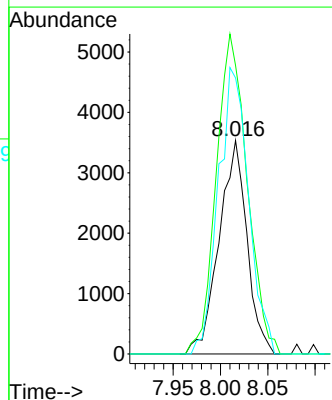
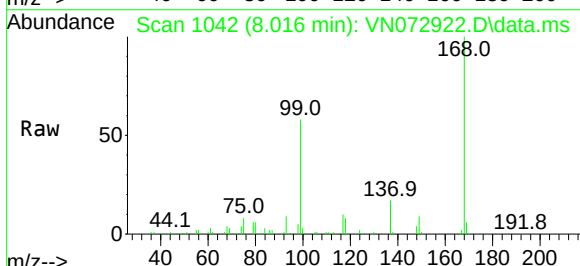
RT: 8.016 min Scan# 1042

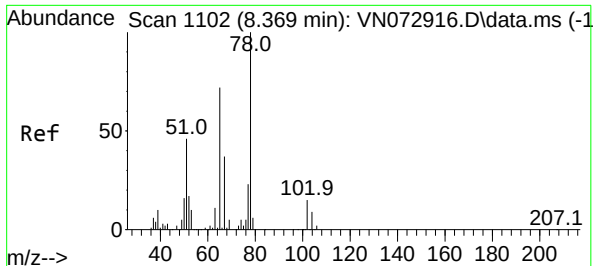
Delta R.T. -0.006 min

Lab File: VN072922.D

Acq: 18 Jun 2022 07:26

Tgt Ion:	56	Resp:	7239
Ion	Ratio	Lower	Upper
56	100		
69	135.2	27.8	41.8#
84	129.4	76.9	115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.628 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN072922.D

Acq: 18 Jun 2022 07:26

Instrument :

MSVOA_N

ClientSampleId :

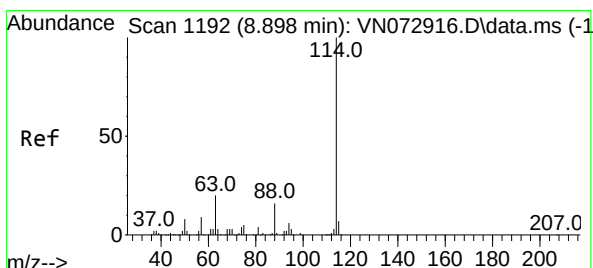
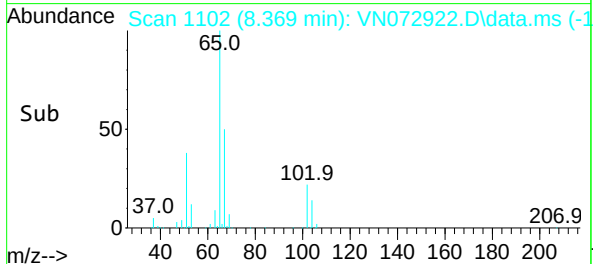
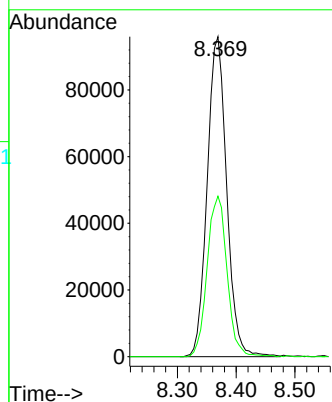
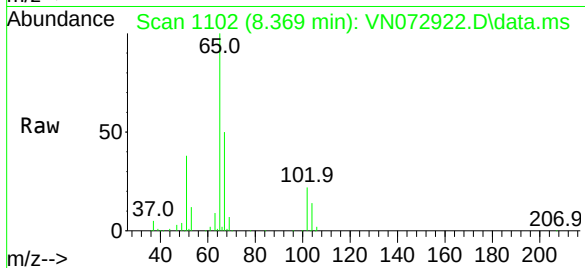
VN0618WBL01

Tgt Ion: 65 Resp: 220983

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN072922.D

Acq: 18 Jun 2022 07:26

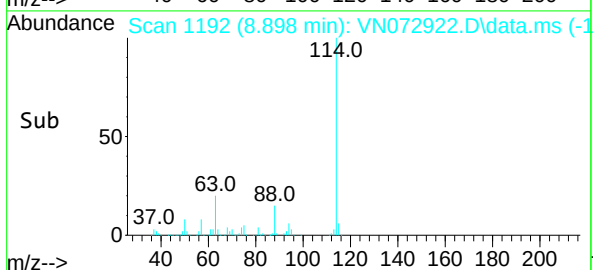
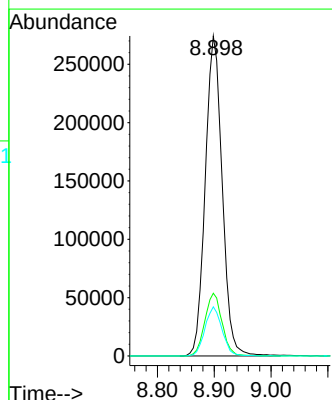
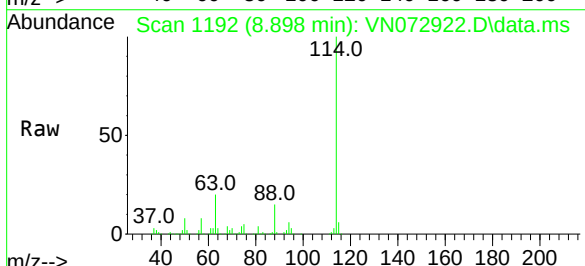
Tgt Ion: 114 Resp: 567036

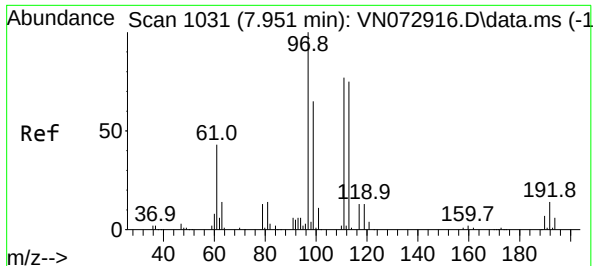
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.4 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.826 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN072922.D

Acq: 18 Jun 2022 07:26

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBL01

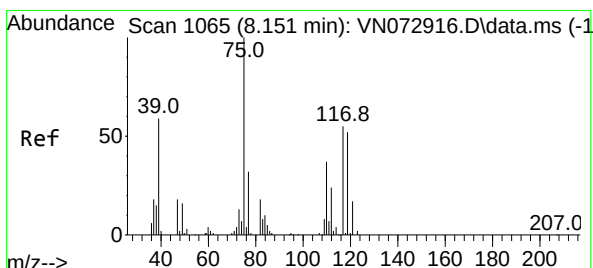
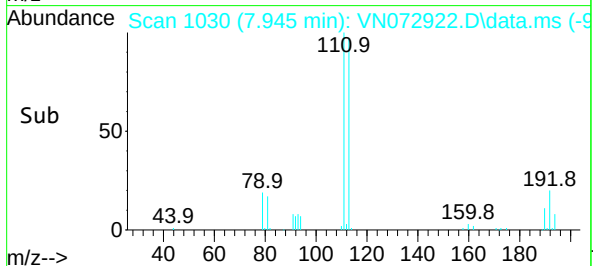
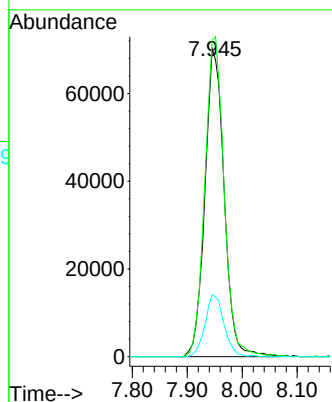
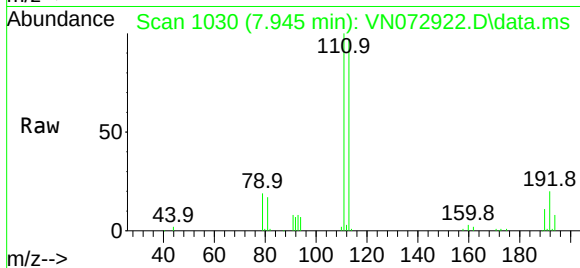
Tgt Ion:113 Resp: 171124

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 19.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.436 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.141 min

Lab File: VN072922.D

Acq: 18 Jun 2022 07:26

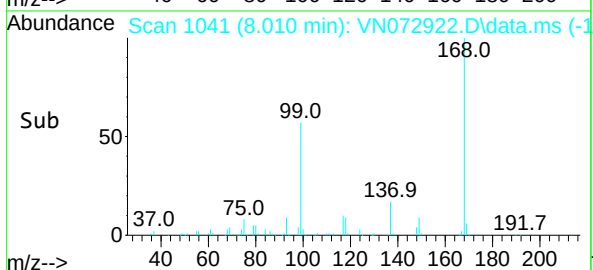
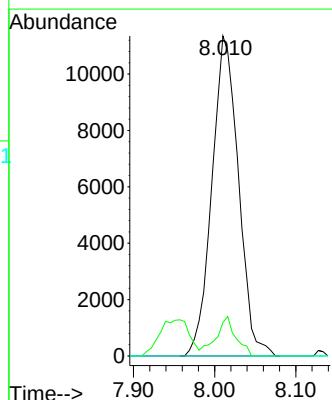
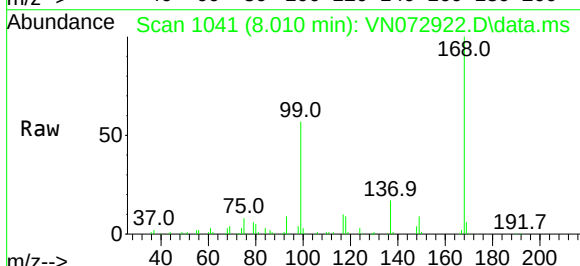
Tgt Ion: 75 Resp: 25781

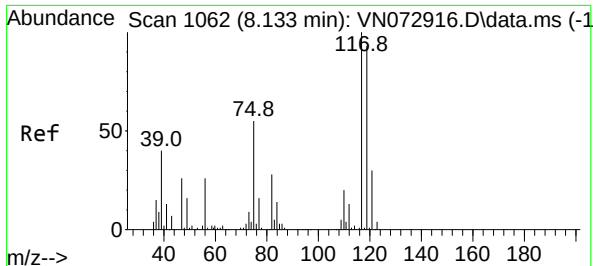
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#

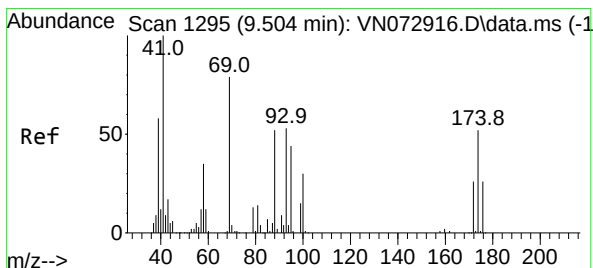
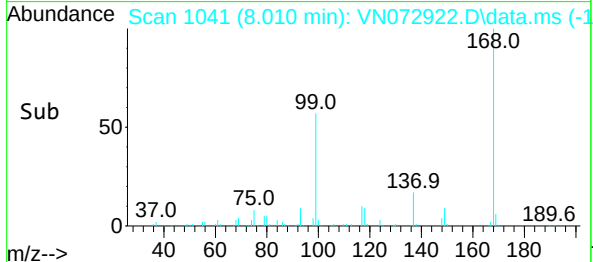
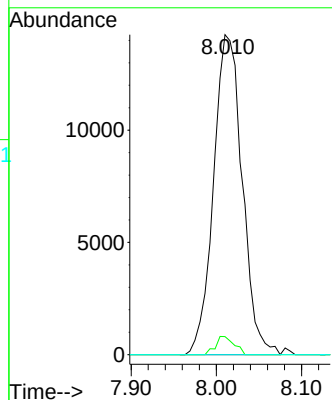
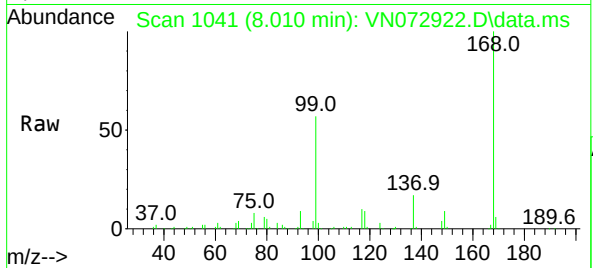




#38
Carbon Tetrachloride
Concen: 6.691 ug/l
RT: 8.010 min Scan# 117
Delta R.T. -0.123 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

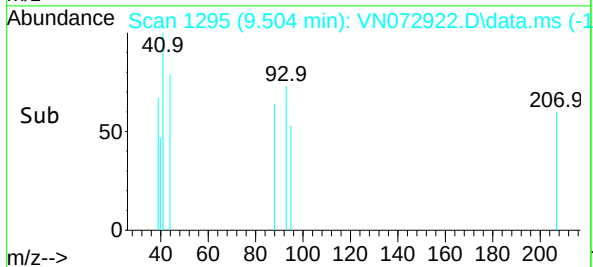
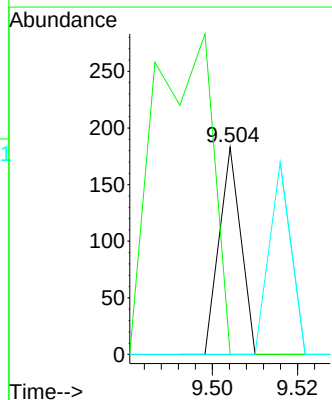
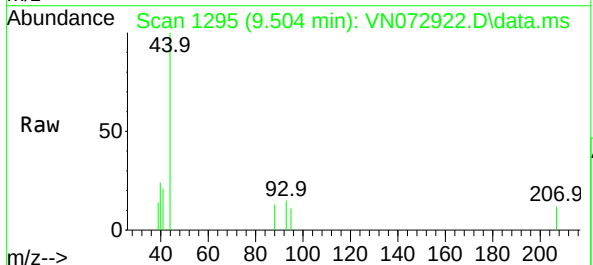
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

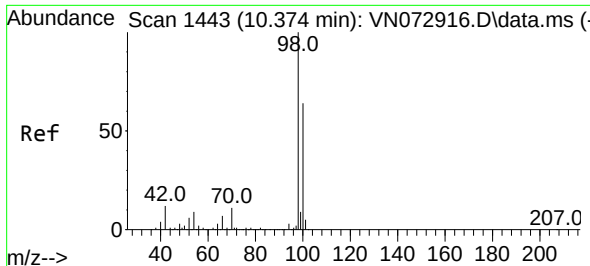
Tgt Ion:117 Resp: 33376
Ion Ratio Lower Upper
117 100
119 5.7 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.584 ug/l
RT: 9.504 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 413.8 20.2 30.4#
58 92.3 54.2 81.4#

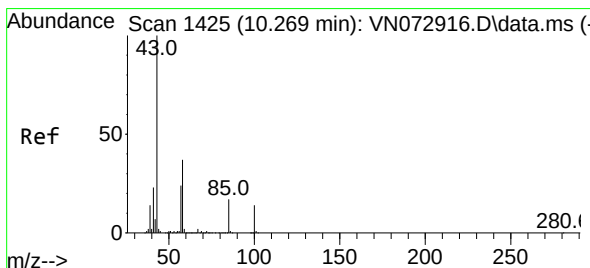
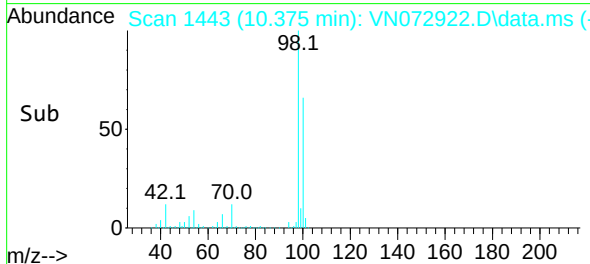
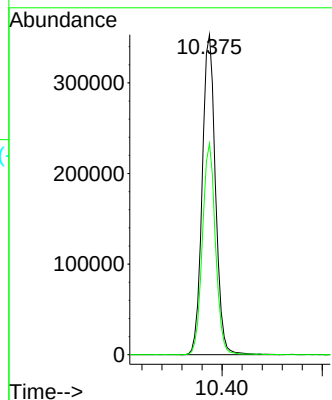
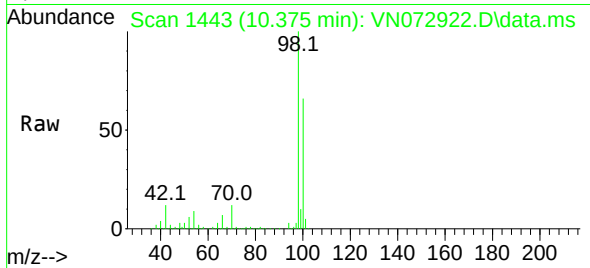




#50
Toluene-d8
Concen: 49.601 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

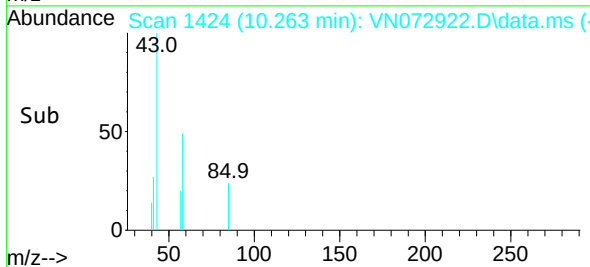
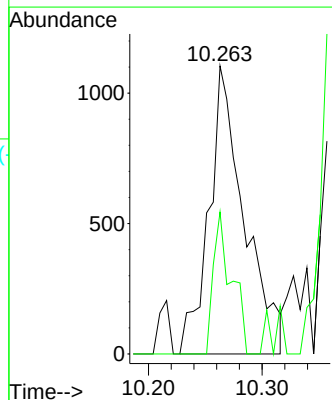
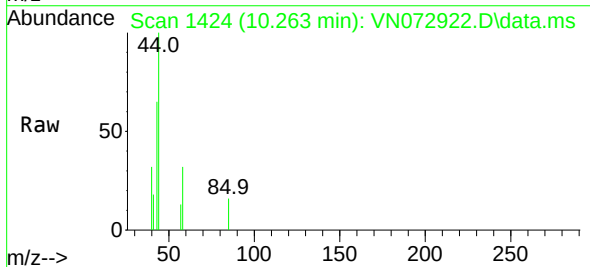
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

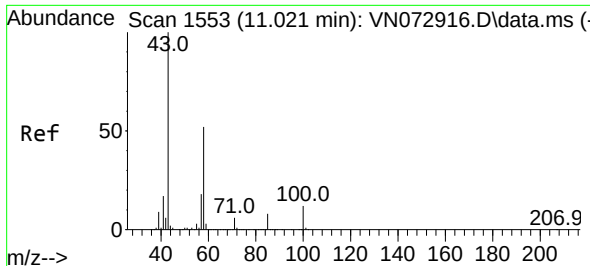
Tgt Ion: 98 Resp: 646869
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.337 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Tgt Ion: 43 Resp: 2384
Ion Ratio Lower Upper
43 100
58 25.3 34.1 51.1#

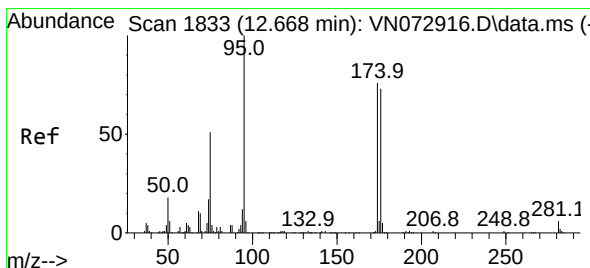
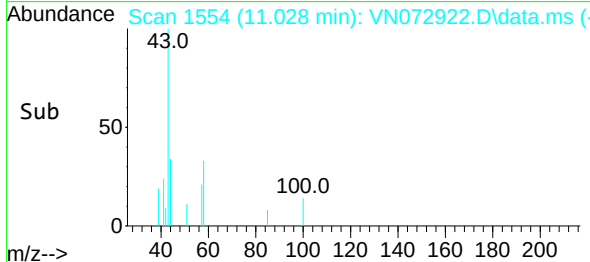
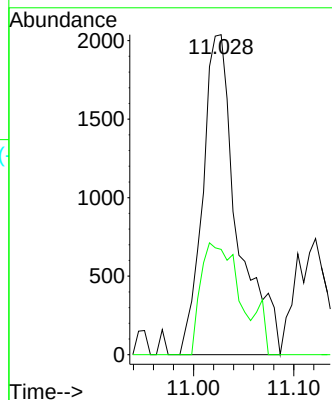
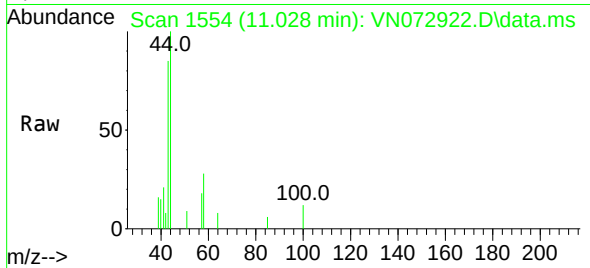




#59
2-Hexanone
Concen: 0.896 ug/l
RT: 11.028 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

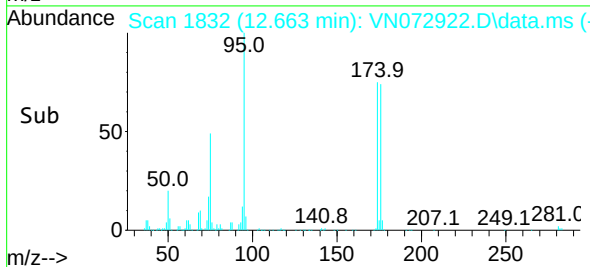
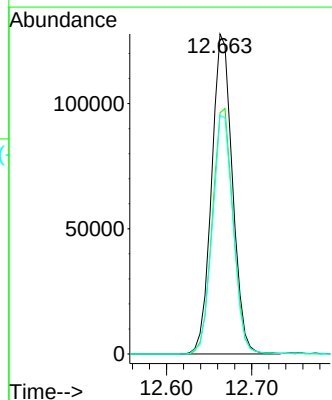
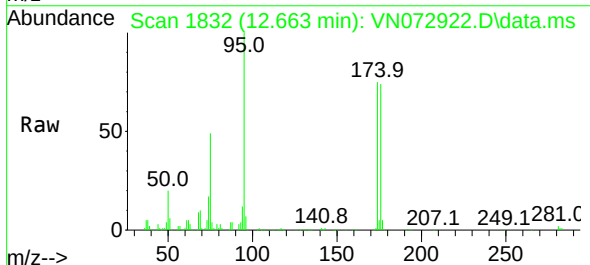
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

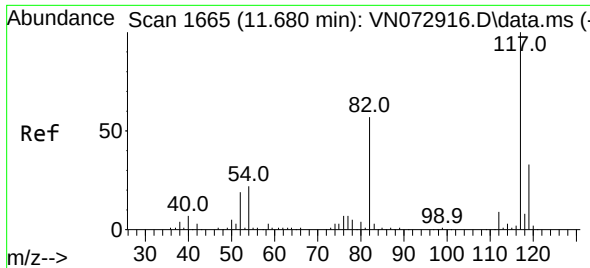
Tgt Ion: 43 Resp: 4902
Ion Ratio Lower Upper
43 100
58 41.0 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 46.243 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. -0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Tgt Ion: 95 Resp: 216858
Ion Ratio Lower Upper
95 100
174 76.8 0.0 167.6
176 74.6 0.0 163.4

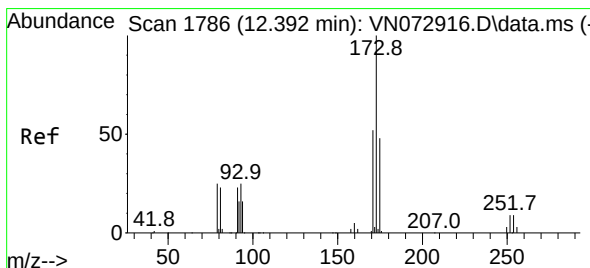
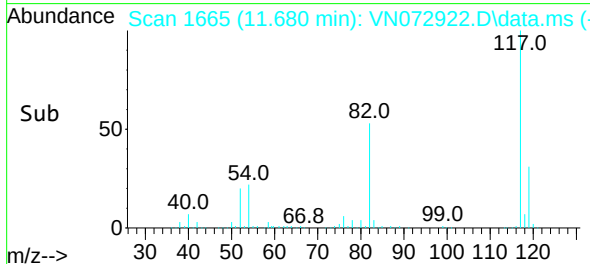
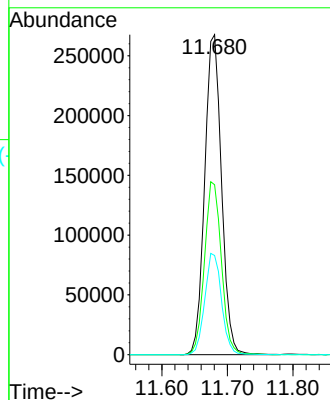
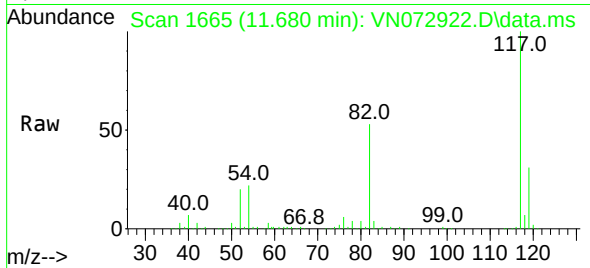




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

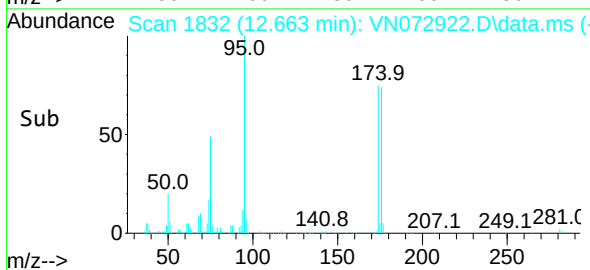
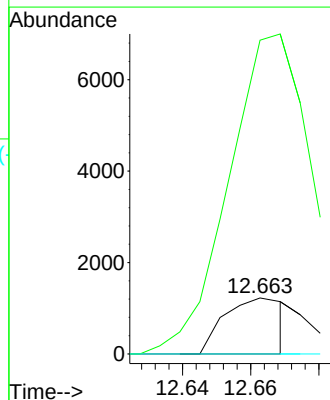
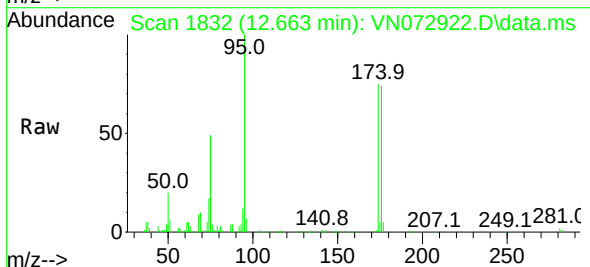
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

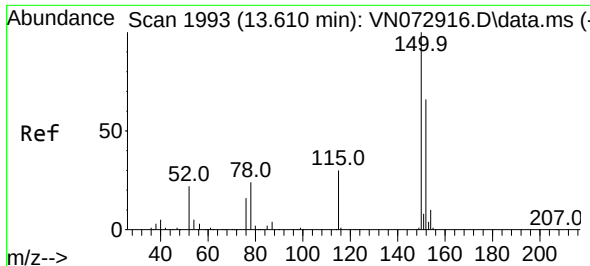
Tgt Ion:117 Resp: 478476
Ion Ratio Lower Upper
117 100
82 53.1 44.2 66.2
119 31.0 25.4 38.0



#71
Bromoform
Concen: 0.557 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.271 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Tgt Ion:173 Resp: 1493
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

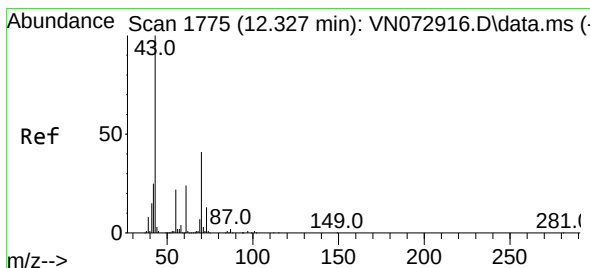
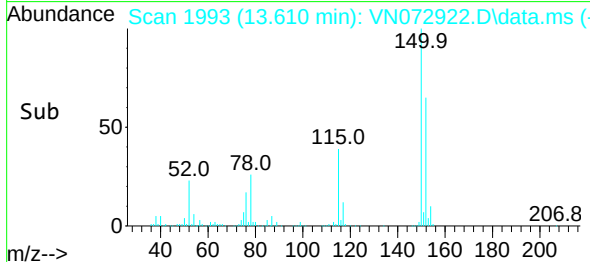
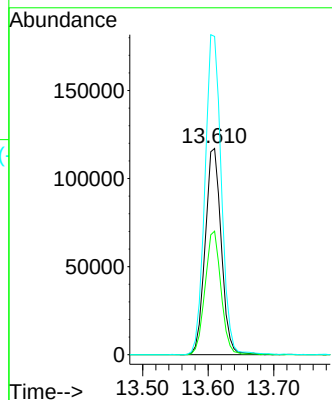
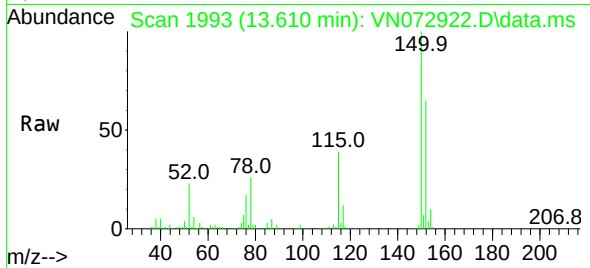




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

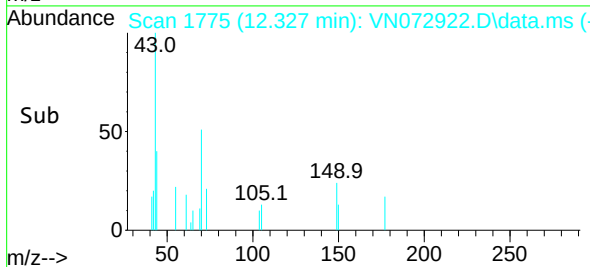
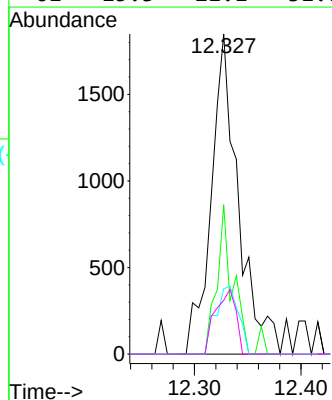
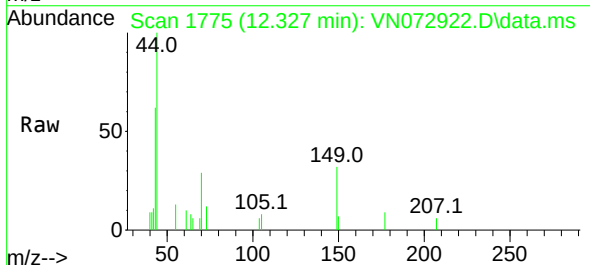
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

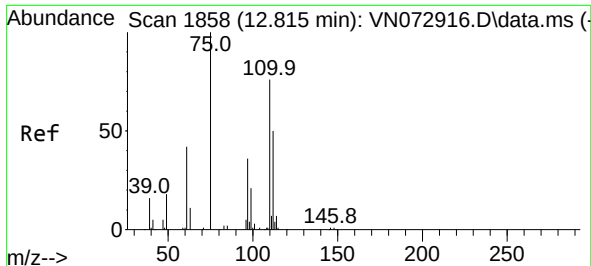
Tgt Ion:152 Resp: 200179
Ion Ratio Lower Upper
152 100
115 59.3 28.9 86.7
150 158.1 0.0 356.2



#74
N-ethyl acetate
Concen: 0.408 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Tgt Ion: 43 Resp: 3277
Ion Ratio Lower Upper
43 100
70 26.9 39.0 58.4#
55 17.8 21.1 31.7#
61 15.3 21.1 31.7#

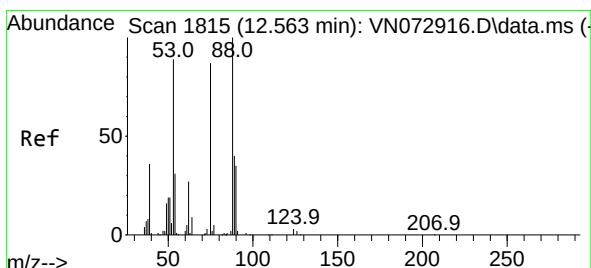
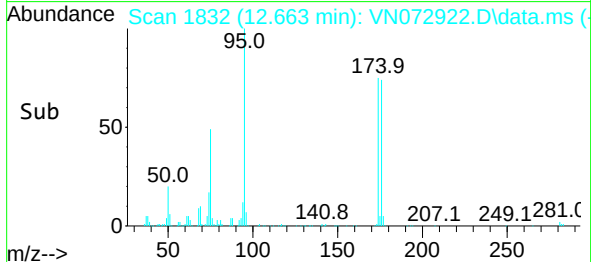
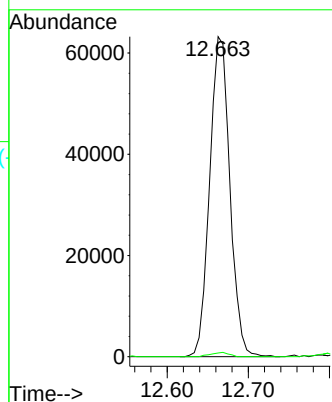
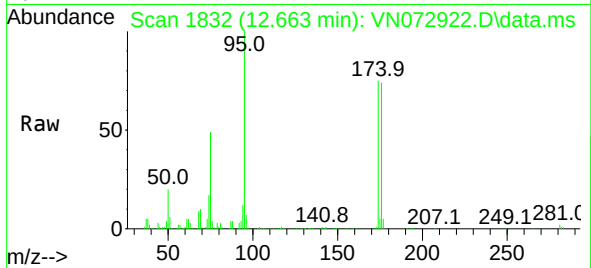




#76
1,2,3-Trichloropropane
Concen: 22.536 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. -0.153 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

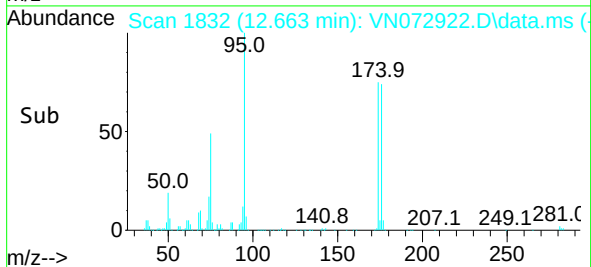
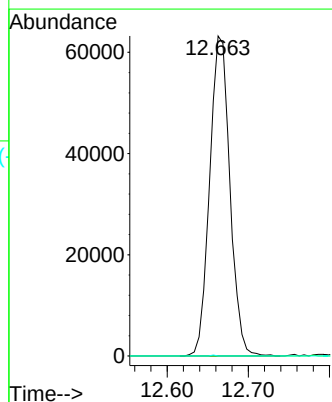
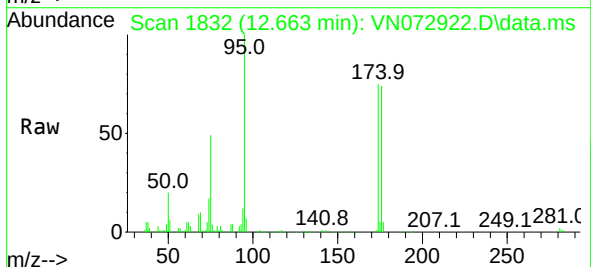
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

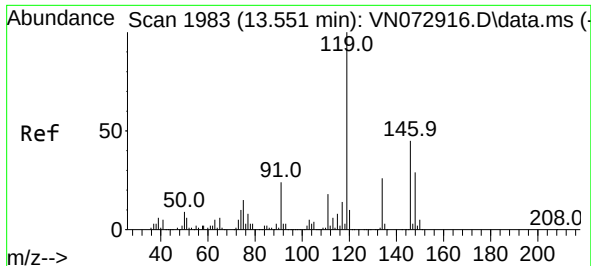
Tgt Ion: 75 Resp: 109376
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.862 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.100 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Tgt Ion: 75 Resp: 109376
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#





#87

1,3-Dichlorobenzene

Concen: 0.222 ug/l

RT: 13.545 min Scan# 1982

Delta R.T. -0.006 min

Lab File: VN072922.D

Acq: 18 Jun 2022 07:26

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBL01

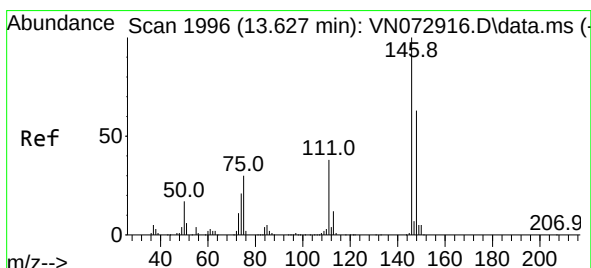
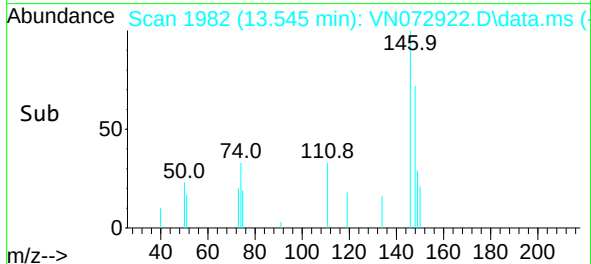
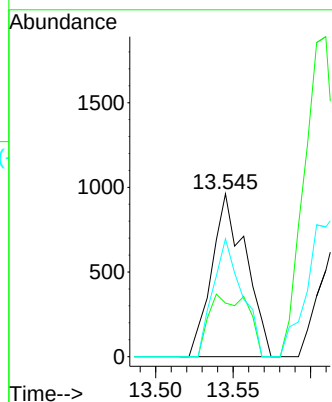
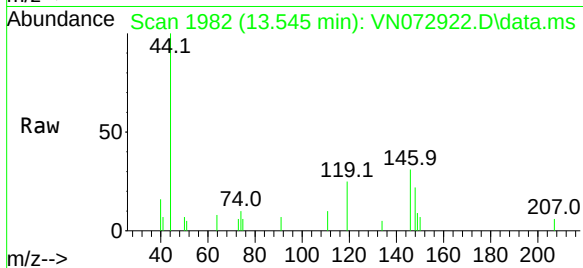
Tgt Ion:146 Resp: 1471

Ion Ratio Lower Upper

146 100

111 43.3 20.0 60.0

148 61.4 32.0 96.0



#88

1,4-Dichlorobenzene

Concen: 0.219 ug/l

RT: 13.545 min Scan# 1982

Delta R.T. -0.082 min

Lab File: VN072922.D

Acq: 18 Jun 2022 07:26

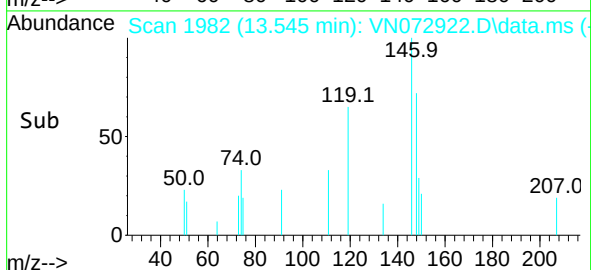
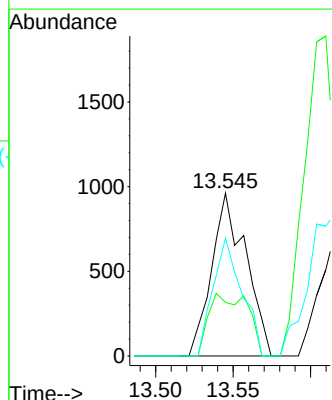
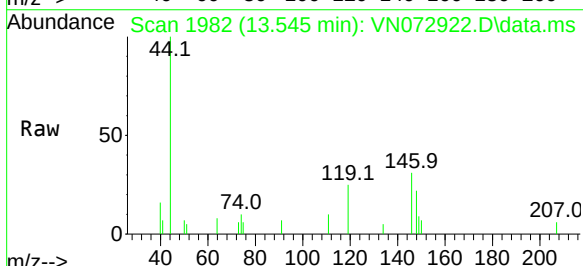
Tgt Ion:146 Resp: 1471

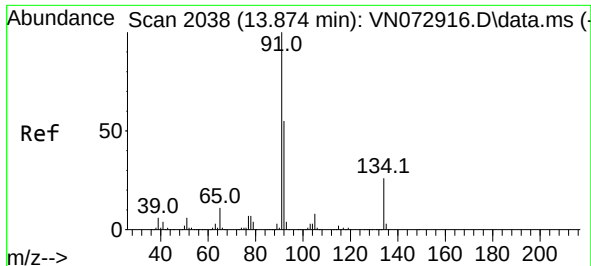
Ion Ratio Lower Upper

146 100

111 43.3 19.1 57.1

148 61.4 31.4 94.3

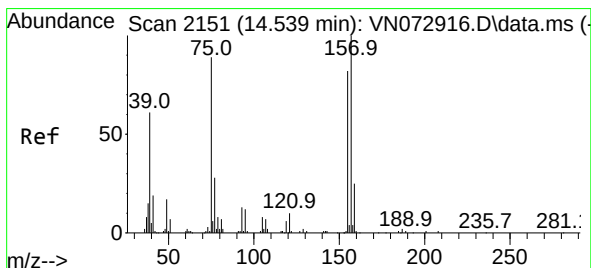
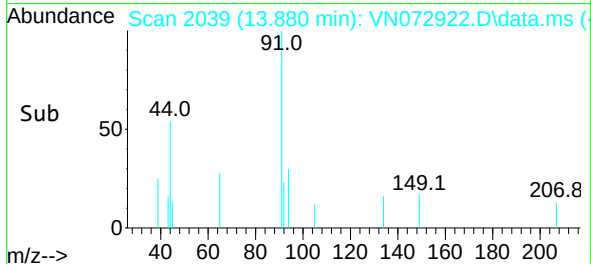
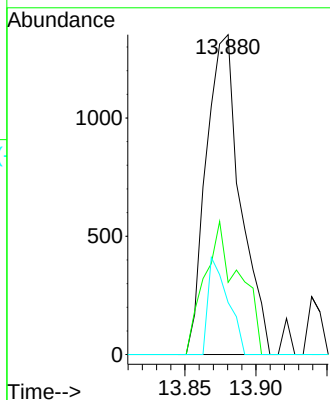
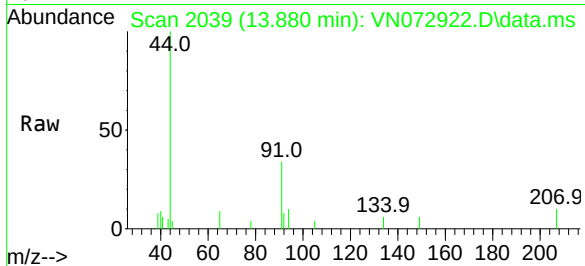




#89
n-Butylbenzene
Concen: 0.221 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

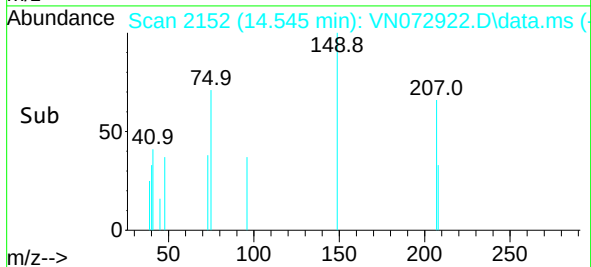
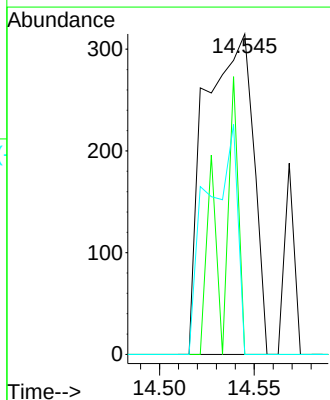
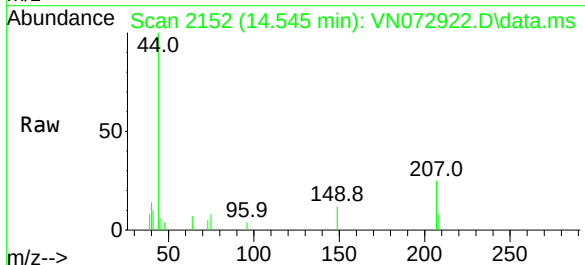
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

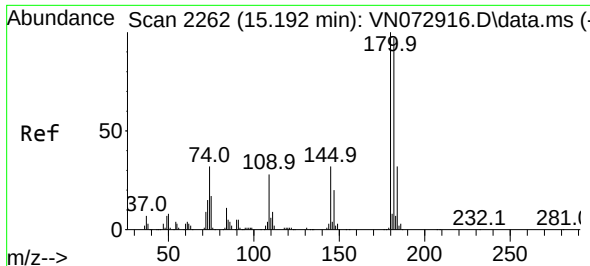
Tgt Ion: 91	Resp:	2269
Ion Ratio	Lower	Upper
91	100	
92	42.0	26.9 80.7
134	17.6	13.6 40.8



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.312 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. 0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

Tgt Ion: 75	Resp:	555
Ion Ratio	Lower	Upper
75	100	
155	12.4	44.9 134.5#
157	44.3	59.0 176.8#

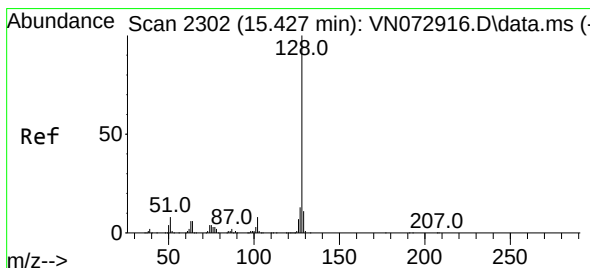
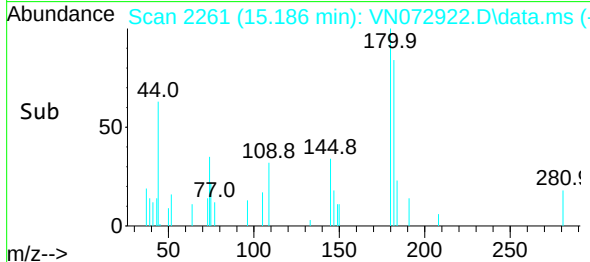
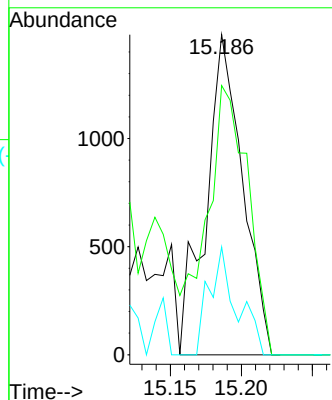
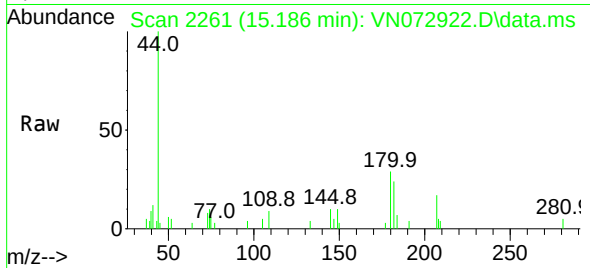




#93
1,2,4-Trichlorobenzene
Concen: 0.693 ug/l
RT: 15.186 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

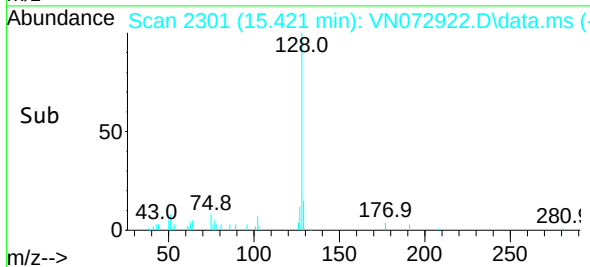
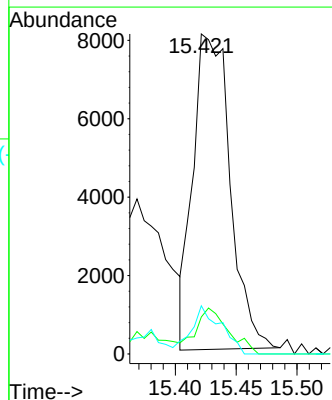
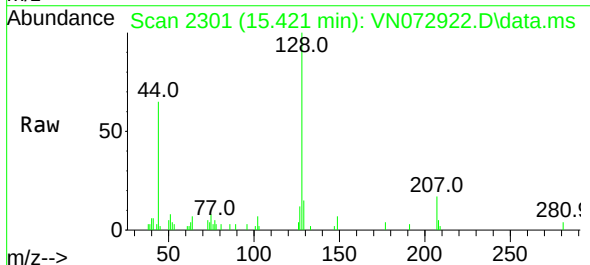
Instrument :
MSVOA_N
ClientSampleId :
VN0618WBL01

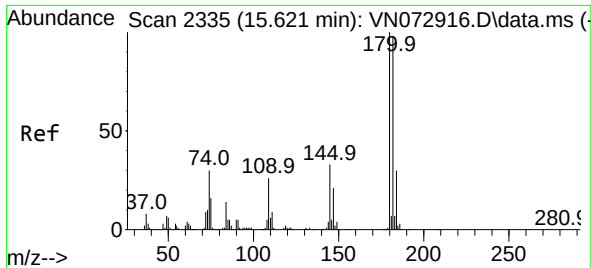
Tgt Ion:	180	Resp:	2648
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.5	142.5
145	25.4	14.5	43.5



#95
Naphthalene
Concen: 1.100 ug/l
RT: 15.421 min Scan# 2301
Delta R.T. -0.006 min
Lab File: VN072922.D
Acq: 18 Jun 2022 07:26

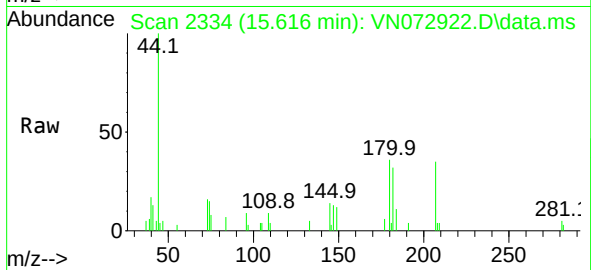
Tgt Ion:	128	Resp:	17005
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.3	15.5
129	12.2	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.757 ug/l
 RT: 15.616 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN072922.D
 Acq: 18 Jun 2022 07:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBL01



Tgt Ion:	180	Resp:	3091
Ion	Ratio	Lower	Upper
180	100		
182	104.7	47.8	143.3
145	37.5	15.5	46.5

