

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081122\
 Data File : VN073819.D
 Acq On : 11 Aug 2022 12:46
 Operator : JC\MD
 Sample : N4154-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WV-TOTECOMP-1

Quant Time: Aug 12 05:59:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

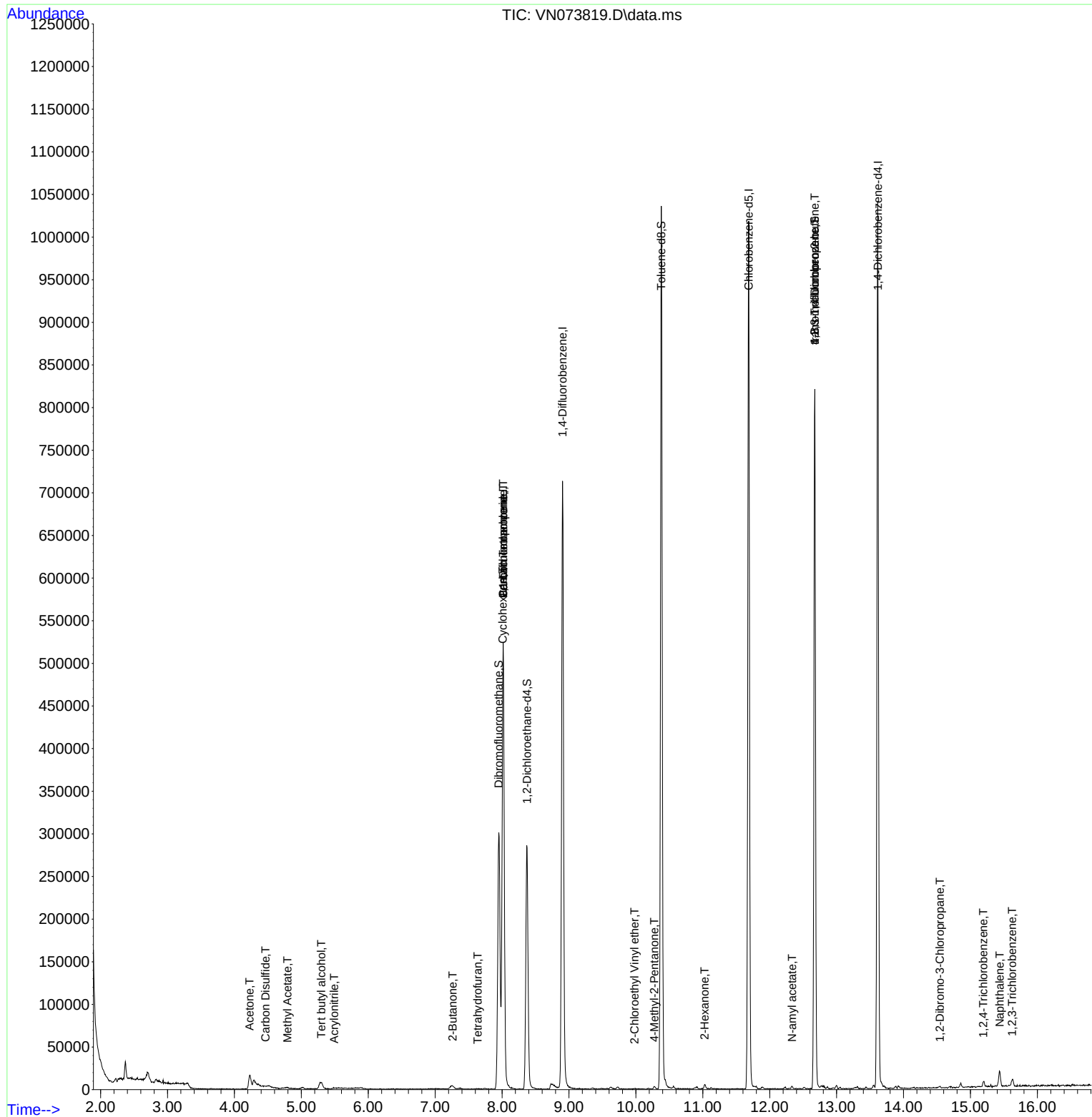
Internal Standards						
1) Pentafluorobenzene	8.016	168	429341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	657036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	616710	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	298779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	241642	46.184	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.360%
35) Dibromofluoromethane	7.951	113	226398	54.874	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.740%
50) Toluene-d8	10.380	98	732985	45.147	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	90.300%
62) 4-Bromofluorobenzene	12.674	95	270385	47.582	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1191	Below Cal	#	88
6) Chloroethane	2.993	64	65	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	14790	13.107	ug/l #	92
15) Acrylonitrile	5.492	53	844	0.270	ug/l #	88
16) Acetone	4.228	43	31341	11.152	ug/l	100
17) Carbon Disulfide	4.463	76	2670	0.247	ug/l #	75
18) Methyl Acetate	4.792	43	2794	0.400	ug/l #	48
20) Methylene Chloride	5.010	84	1377	Below Cal	#	69
25) 2-Butanone	7.263	43	3842	0.880	ug/l	99
29) Tetrahydrofuran	7.633	42	581	0.211	ug/l #	44
31) Cyclohexane	8.010	56	7904	1.015	ug/l #	2
36) 1,1-Dichloropropene	8.016	75	29027	4.936	ug/l #	48
38) Carbon Tetrachloride	8.016	117	38394	6.429	ug/l #	17
51) 4-Methyl-2-Pentanone	10.274	43	2670	0.356	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.980	63	187	9.992	ug/l #	44
59) 2-Hexanone	11.027	43	4307	0.758	ug/l	88
74) N-amyl acetate	12.333	43	1854	0.224	ug/l #	89
76) 1,2,3-Trichloropropane	12.674	75	137203	23.349	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	137203	59.511	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.545	75	454	0.268	ug/l #	54
93) 1,2,4-Trichlorobenzene	15.192	180	3150	0.602	ug/l #	86
95) Naphthalene	15.439	128	20204	1.190	ug/l	96
96) 1,2,3-Trichlorobenzene	15.621	180	4139	0.752	ug/l #	89

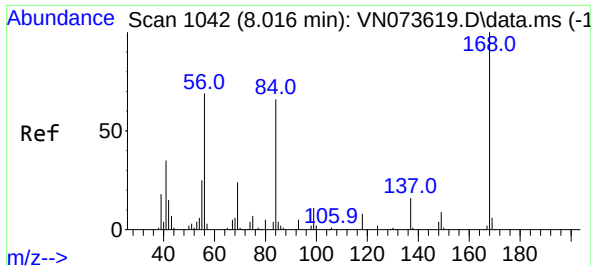
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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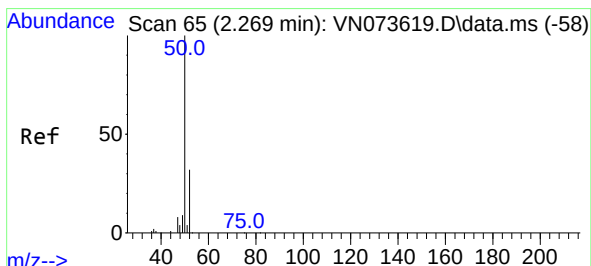
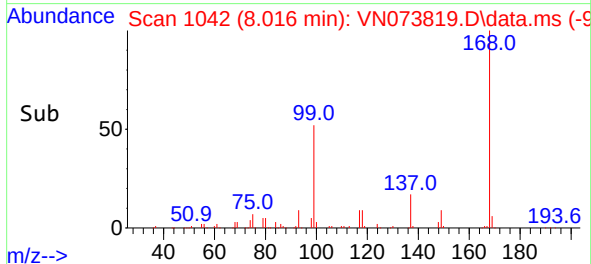
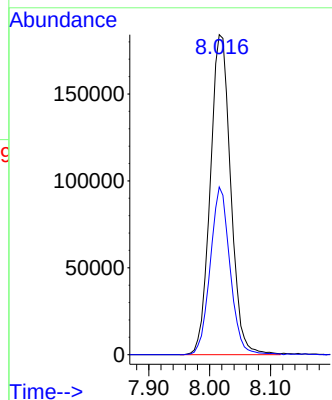
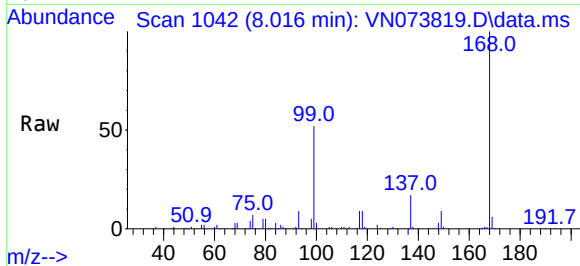




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

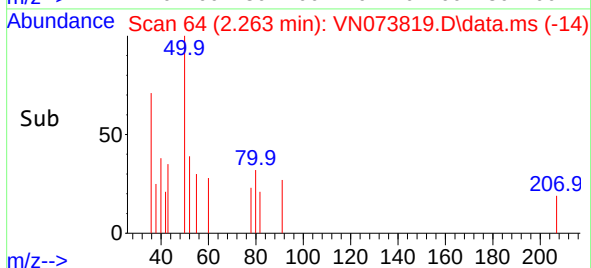
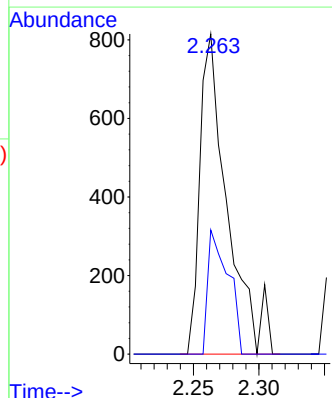
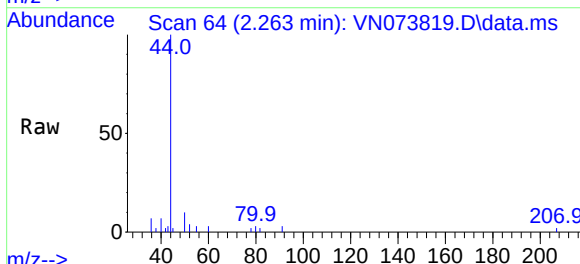
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

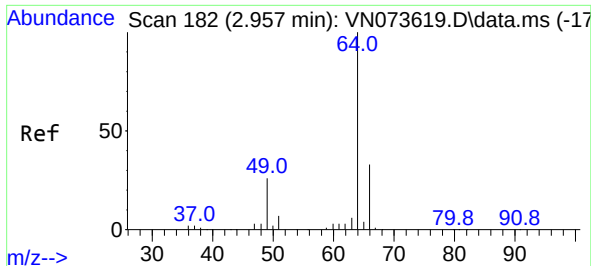
Tgt Ion:168 Resp: 429341
Ion Ratio Lower Upper
168 100
99 52.4 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 50 Resp: 1191
Ion Ratio Lower Upper
50 100
52 38.8 25.7 38.5#

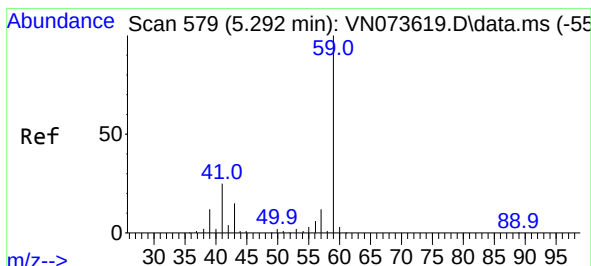
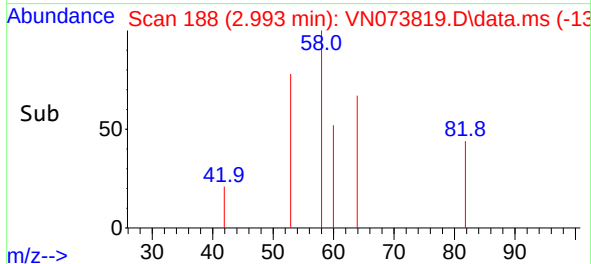
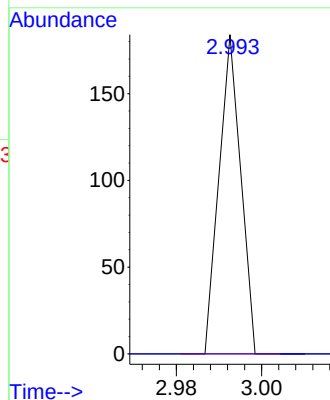
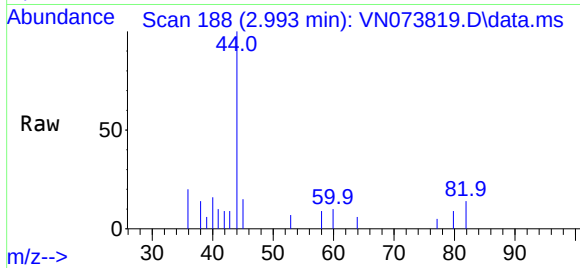




#6
Chloroethane
Concen: Below Cal
RT: 2.993 min Scan# 11
Delta R.T. 0.036 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

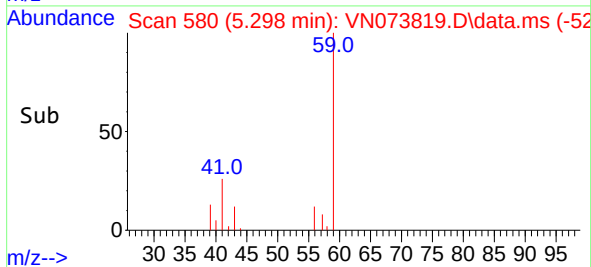
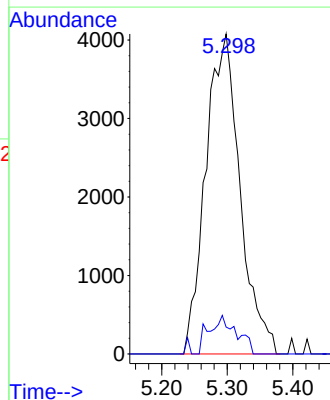
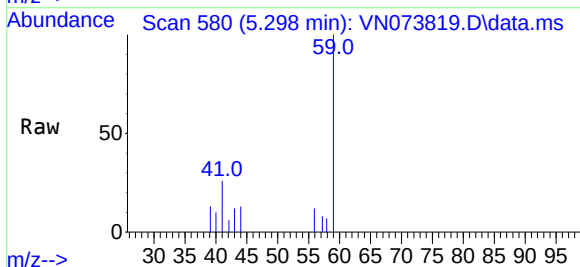
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

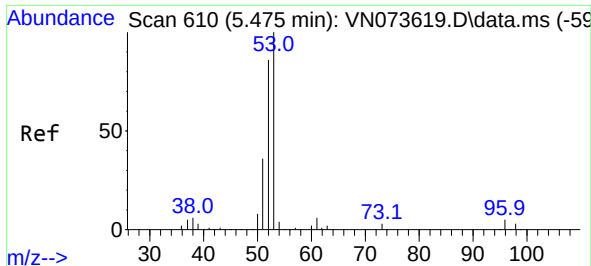
Tgt Ion: 64 Resp: 65
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 13.107 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.006 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 59 Resp: 14790
Ion Ratio Lower Upper
59 100
57 7.3 8.3 12.5#

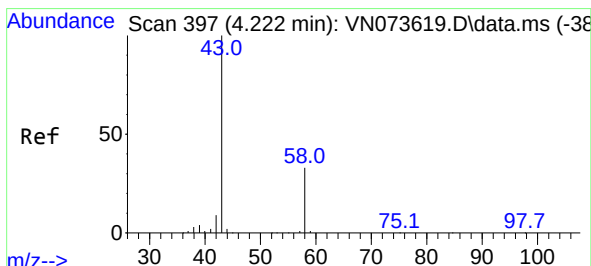
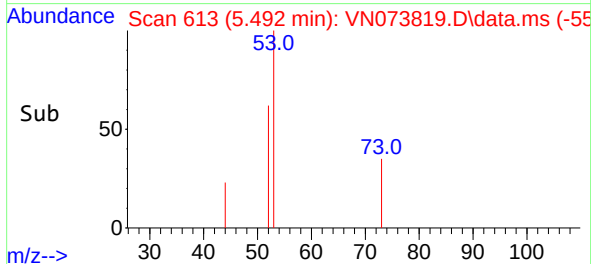
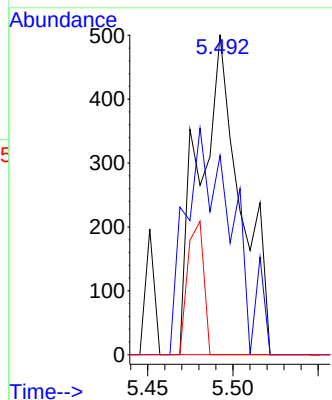
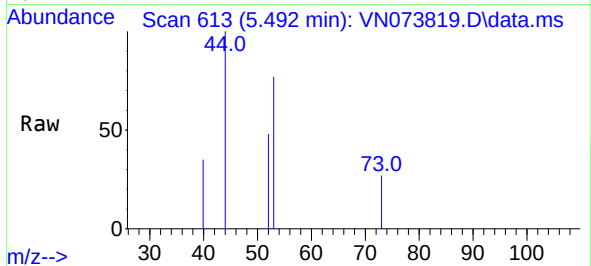




#15
Acrylonitrile
Concen: 0.270 ug/l
RT: 5.492 min Scan# 610
Delta R.T. 0.017 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

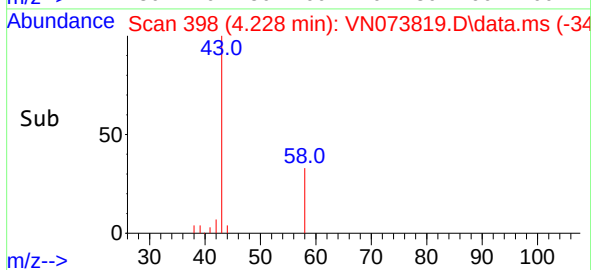
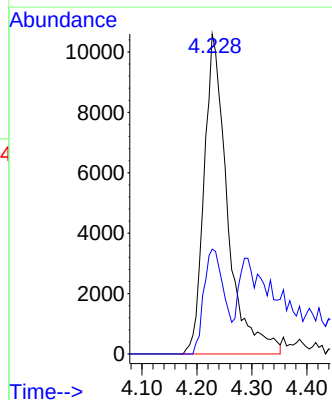
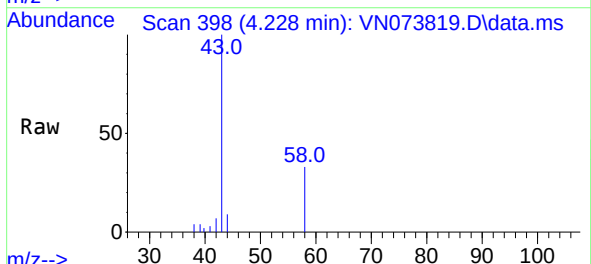
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

Tgt Ion: 53 Resp: 844
Ion Ratio Lower Upper
53 100
52 80.3 66.4 99.6
51 16.2 28.5 42.7#

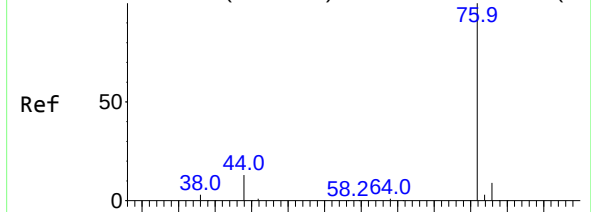


#16
Acetone
Concen: 11.152 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 43 Resp: 31341
Ion Ratio Lower Upper
43 100
58 32.8 26.0 39.0

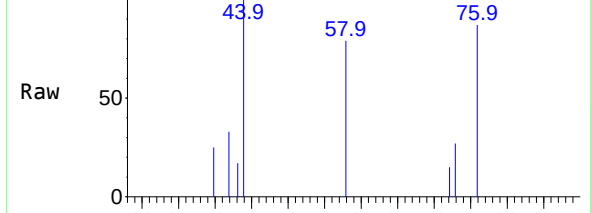


Abundance Scan 437 (4.457 min): VN073619.D\data.ms (-42



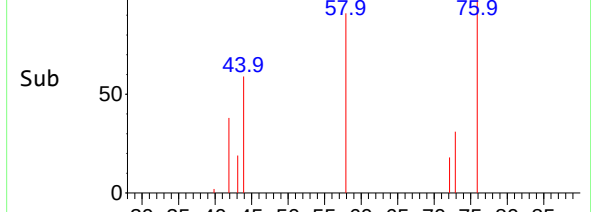
m/z-->

Abundance Scan 438 (4.463 min): VN073819.D\data.ms



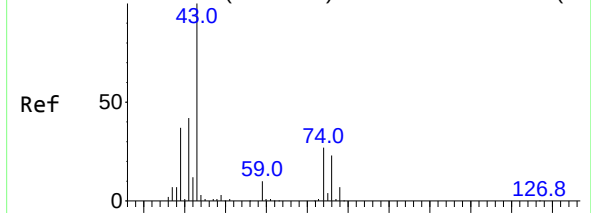
m/z-->

Abundance Scan 438 (4.463 min): VN073819.D\data.ms (-38



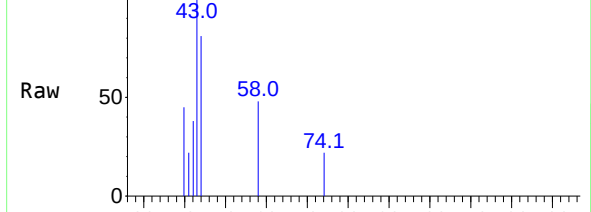
m/z-->

Abundance Scan 492 (4.781 min): VN073619.D\data.ms (-47



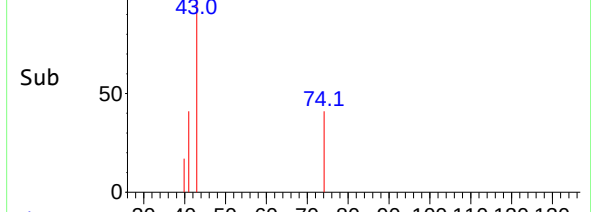
m/z-->

Abundance Scan 494 (4.792 min): VN073819.D\data.ms



m/z-->

Abundance Scan 494 (4.792 min): VN073819.D\data.ms (-44



m/z-->

#17

Carbon Disulfide

Concen: 0.247 ug/l

RT: 4.463 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN073819.D

Acq: 11 Aug 2022 12:46

Instrument :

MSVOA_N

ClientSampleId :

WV-TOTECOMP-1

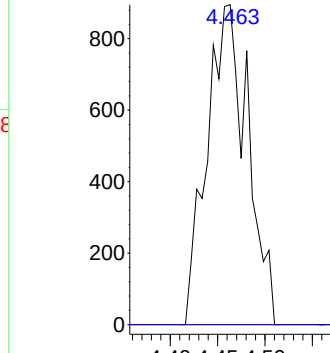
Tgt Ion: 76 Resp: 2670

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

Abundance



Time-->

#18

Methyl Acetate

Concen: 0.400 ug/l

RT: 4.792 min Scan# 494

Delta R.T. 0.012 min

Lab File: VN073819.D

Acq: 11 Aug 2022 12:46

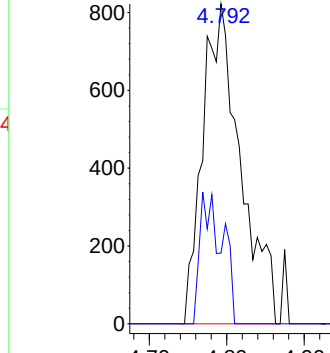
Tgt Ion: 43 Resp: 2794

Ion Ratio Lower Upper

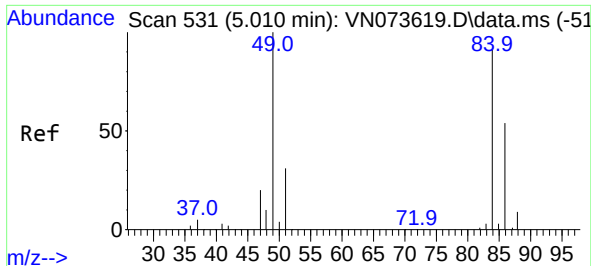
43 100

74 0.0 21.6 32.4#

Abundance



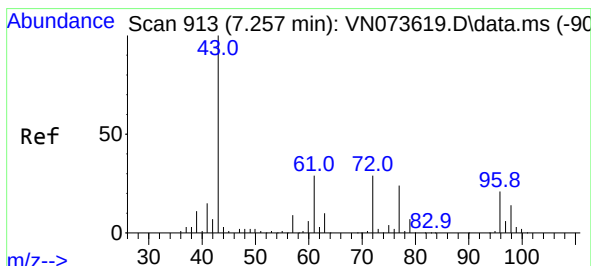
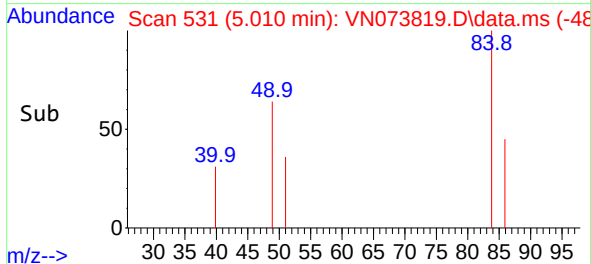
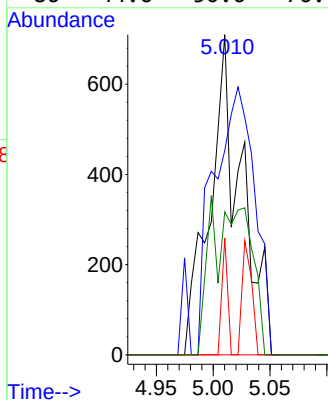
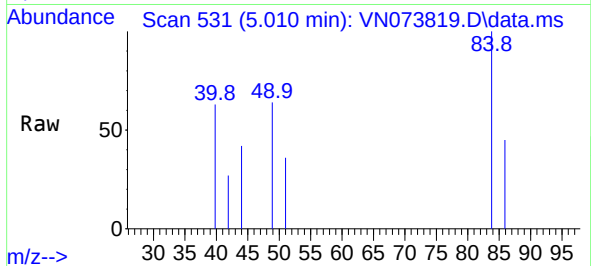
Time-->



#20
Methylene Chloride
Concen: Below Cal
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

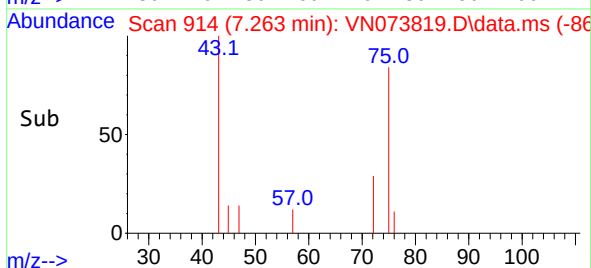
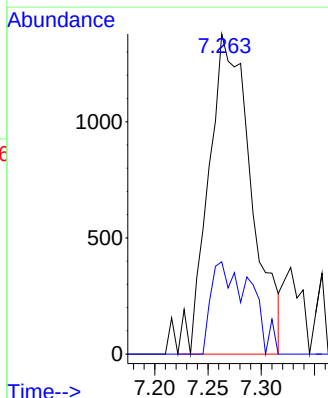
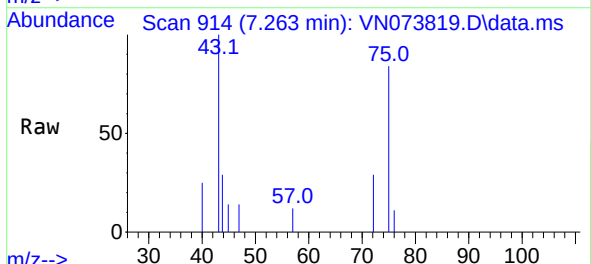
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

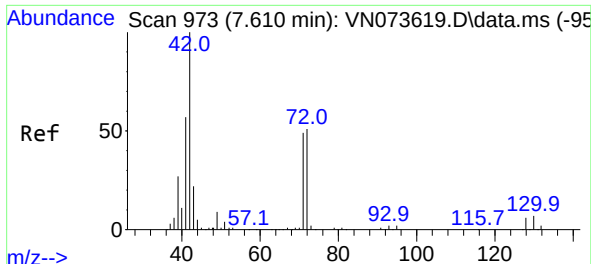
Tgt Ion: 84 Resp: 1377
Ion Ratio Lower Upper
84 100
49 63.8 88.3 132.5#
51 36.5 28.2 42.2
86 44.6 50.6 76.0#



#25
2-Butanone
Concen: 0.880 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 43 Resp: 3842
Ion Ratio Lower Upper
43 100
72 28.8 23.7 35.5





#29

Tetrahydrofuran

Concen: 0.211 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN073819.D

Acq: 11 Aug 2022 12:46

Instrument :

MSVOA_N

ClientSampleId :

WV-TOTECOMP-1

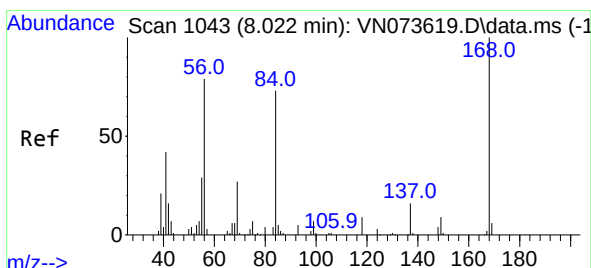
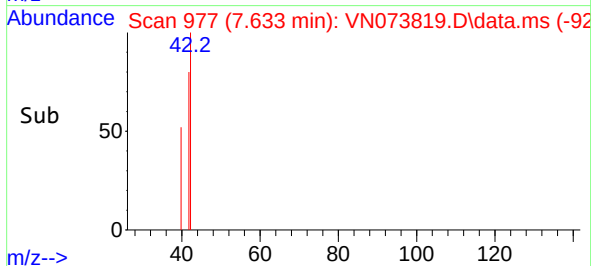
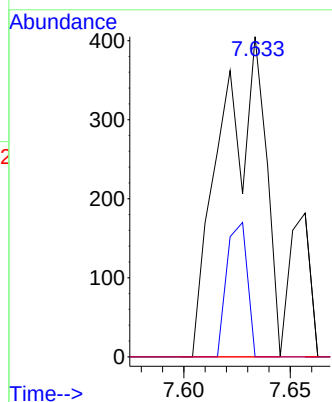
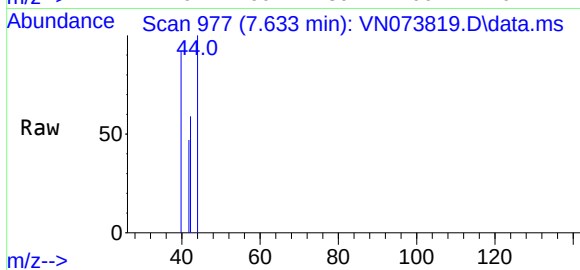
Tgt Ion: 42 Resp: 581

Ion Ratio Lower Upper

42 100

72 19.6 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.015 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073819.D

Acq: 11 Aug 2022 12:46

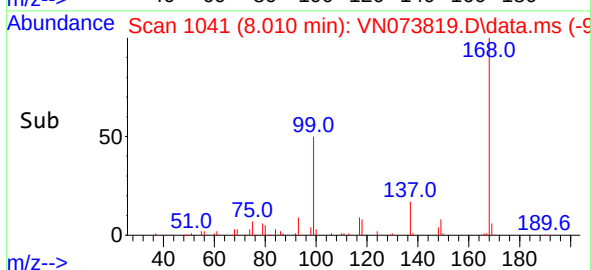
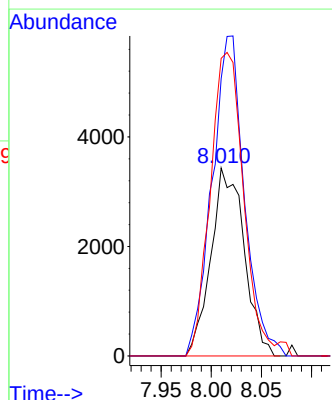
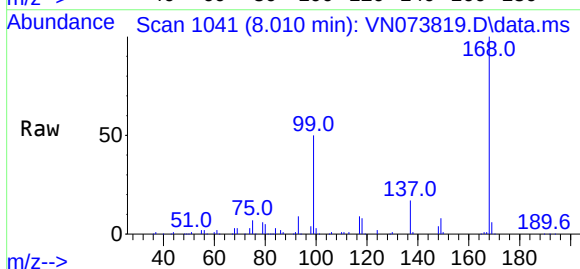
Tgt Ion: 56 Resp: 7904

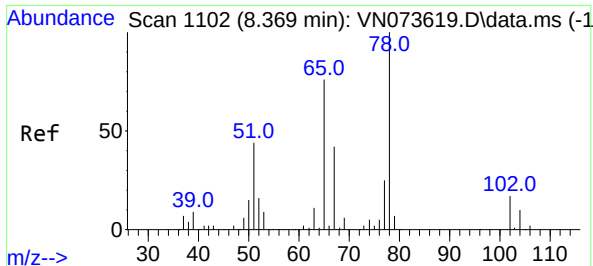
Ion Ratio Lower Upper

56 100

69 147.5 27.8 41.8#

84 158.3 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.184 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073819.D

Acq: 11 Aug 2022 12:46

Instrument :

MSVOA_N

ClientSampleId :

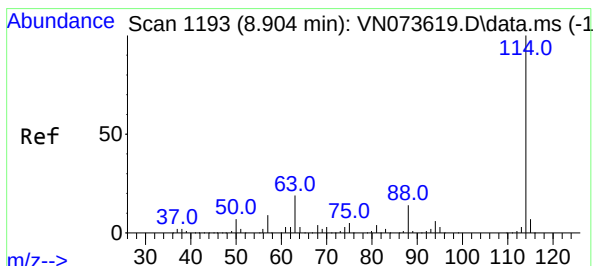
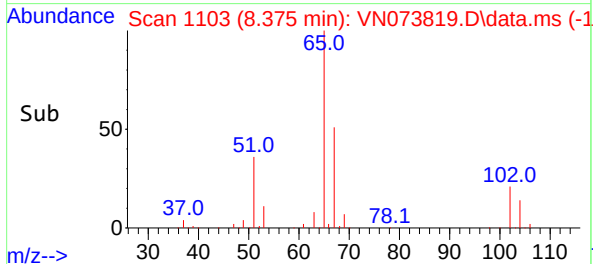
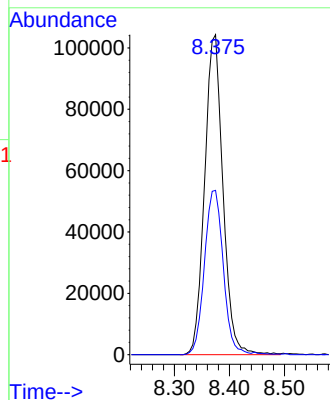
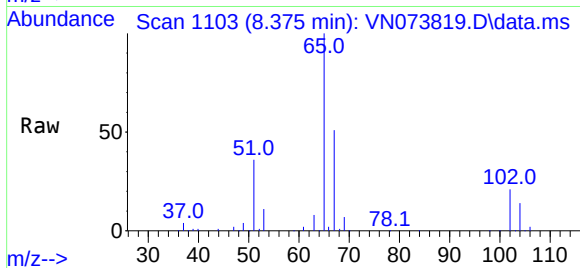
WV-TOTECOMP-1

Tgt Ion: 65 Resp: 241642

Ion Ratio Lower Upper

65 100

67 52.5 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073819.D

Acq: 11 Aug 2022 12:46

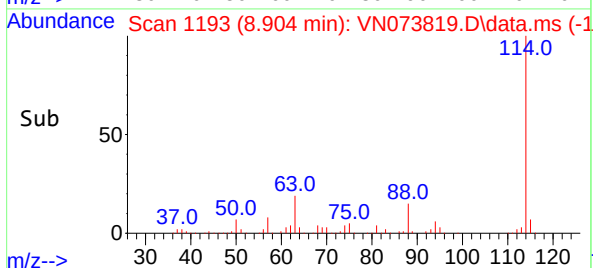
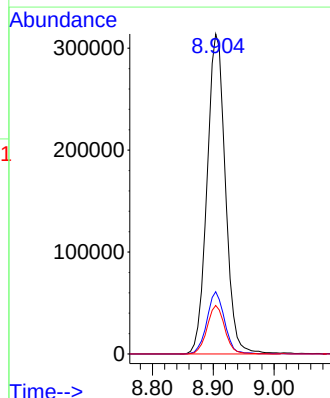
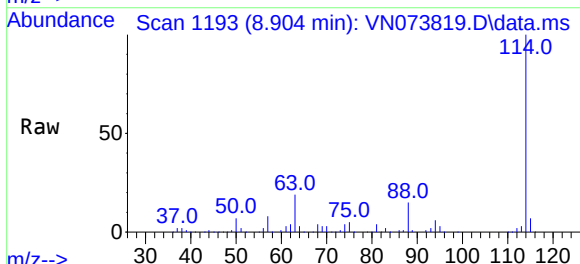
Tgt Ion: 114 Resp: 657036

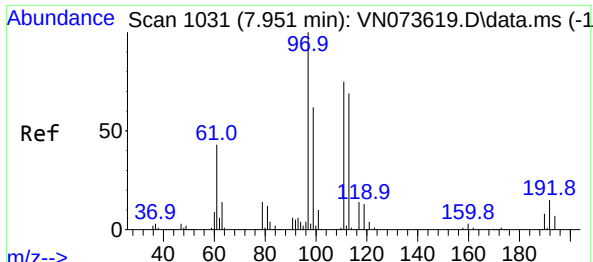
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 15.1 0.0 32.6

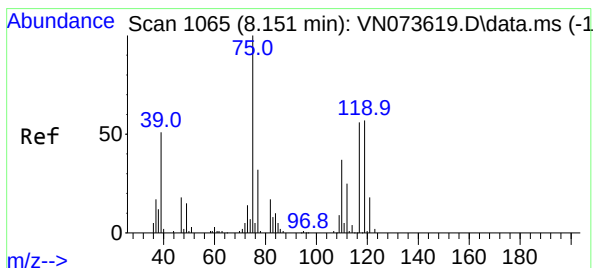
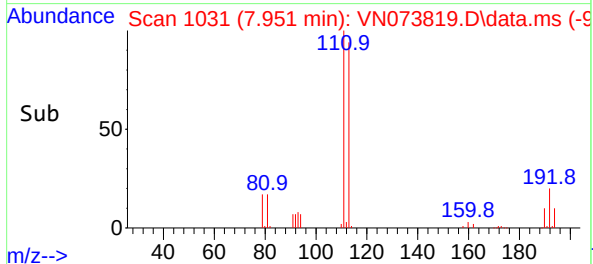
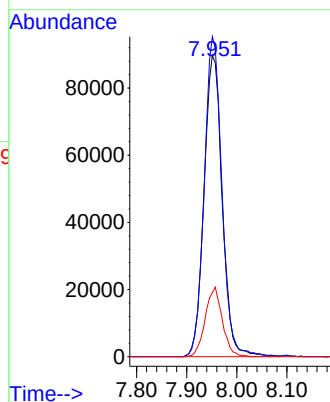
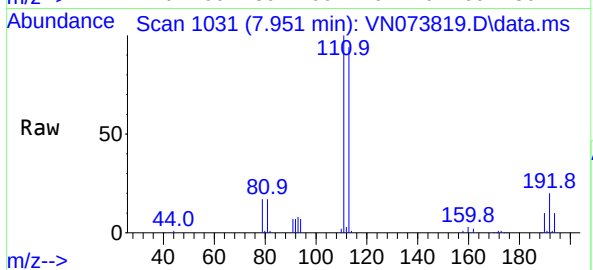




#35
Dibromofluoromethane
Concen: 54.874 ug/l
RT: 7.951 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

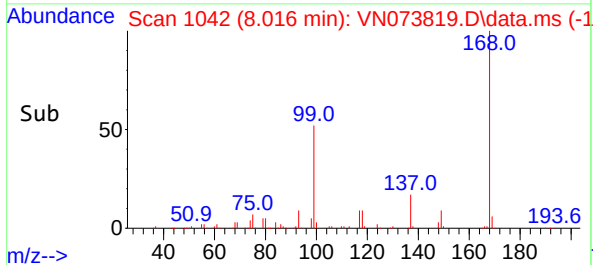
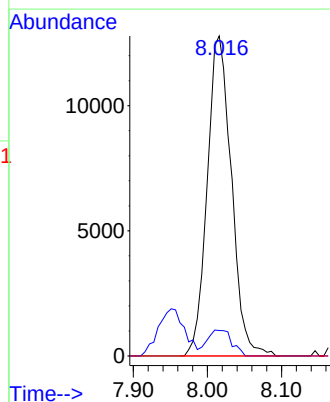
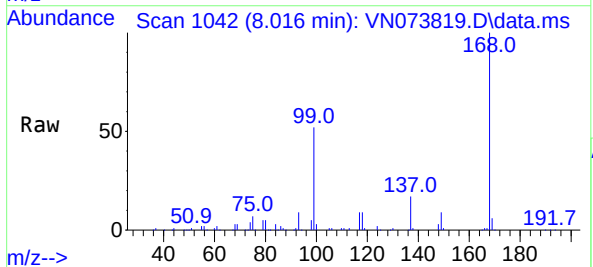
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

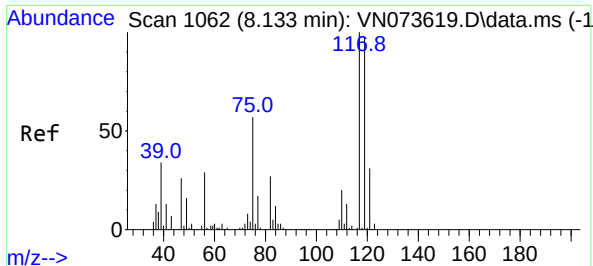
Tgt Ion:113 Resp: 226398
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 21.6 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.936 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 75 Resp: 29027
Ion Ratio Lower Upper
75 100
110 8.3 18.3 54.8#
77 0.0 25.1 37.7#

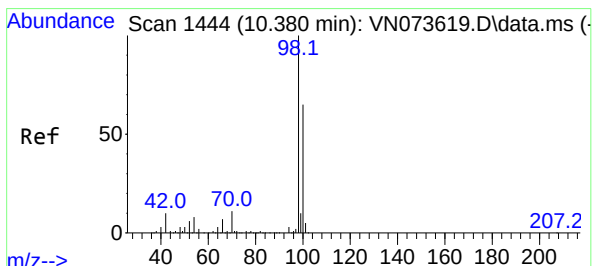
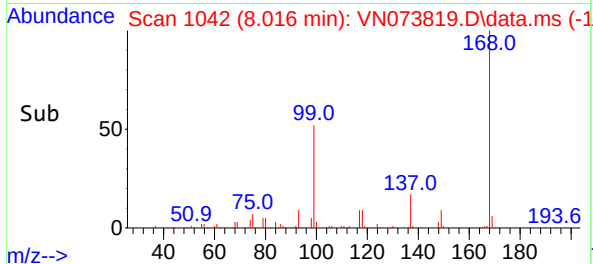
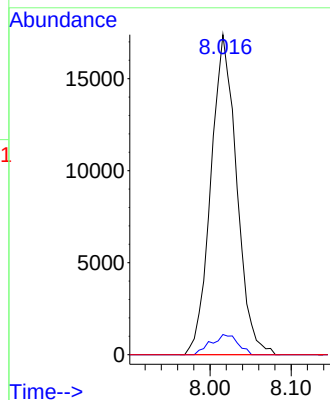
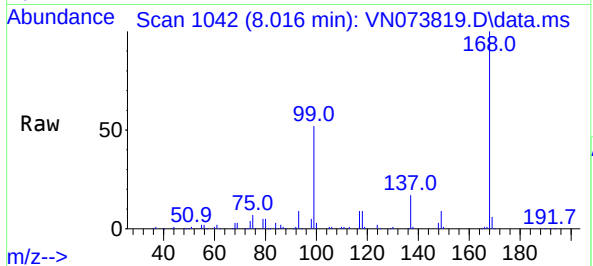




#38
Carbon Tetrachloride
Concen: 6.429 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

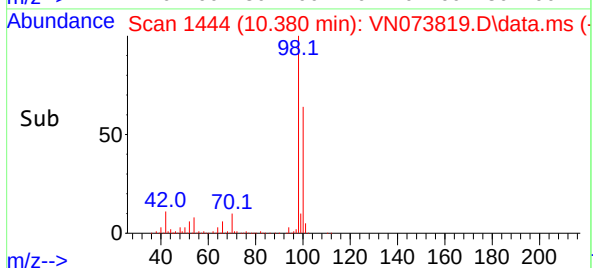
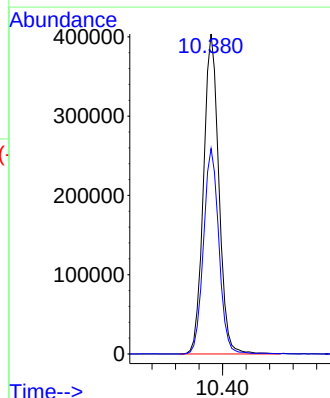
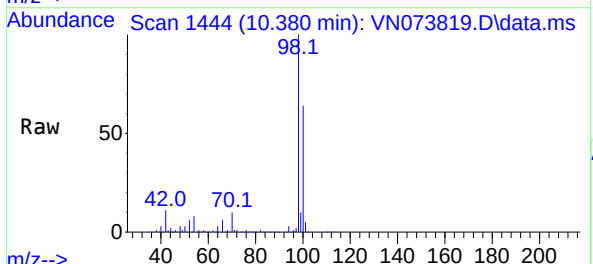
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

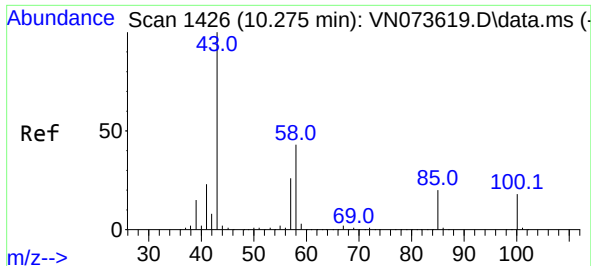
Tgt Ion:117 Resp: 38394
Ion Ratio Lower Upper
117 100
119 6.3 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.147 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 98 Resp: 732985
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8

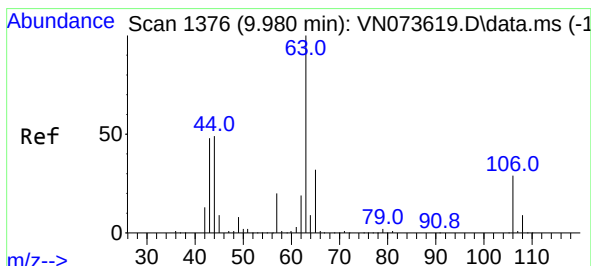
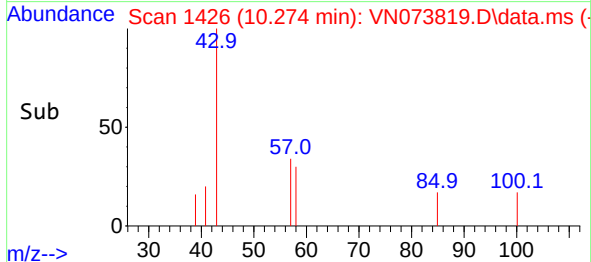
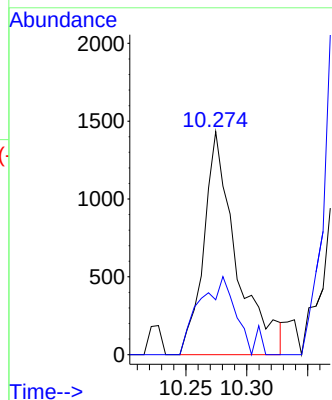
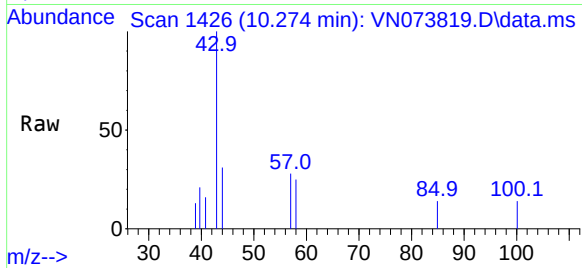




#51
4-Methyl-2-Pentanone
Concen: 0.356 ug/l
RT: 10.274 min Scan# 1426
Delta R.T. -0.001 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

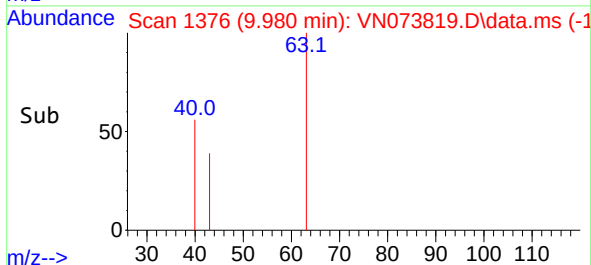
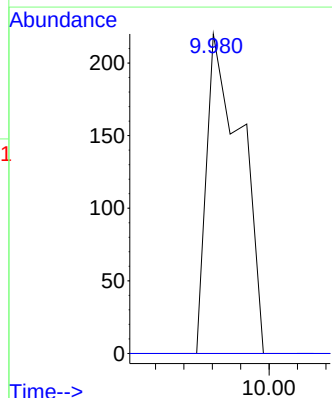
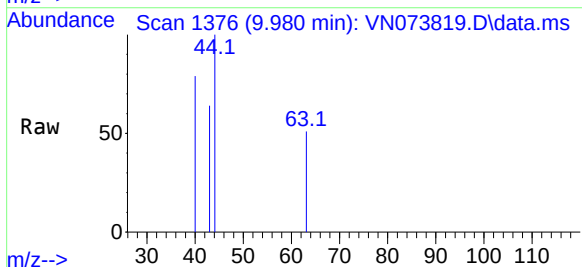
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

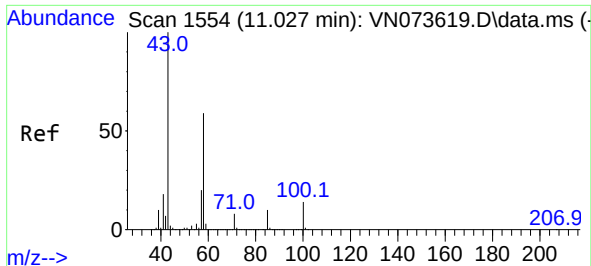
Tgt Ion: 43 Resp: 2670
Ion Ratio Lower Upper
43 100
58 40.3 34.1 51.1



#58
2-Chloroethyl Vinyl ether
Concen: 9.992 ug/l
RT: 9.980 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 63 Resp: 187
Ion Ratio Lower Upper
63 100
106 0.0 24.6 36.8#

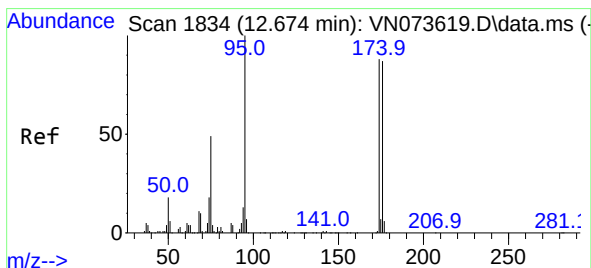
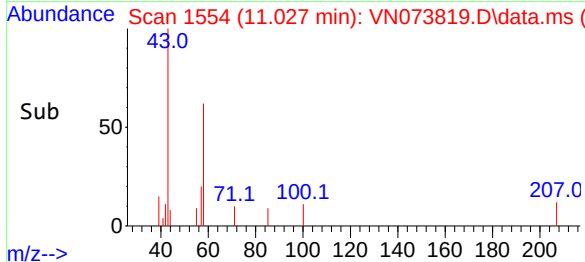
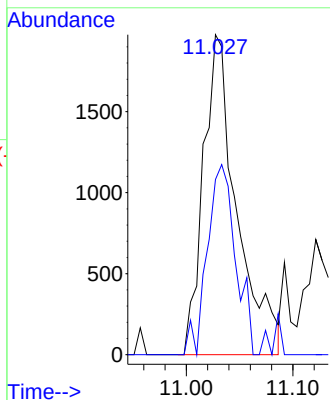
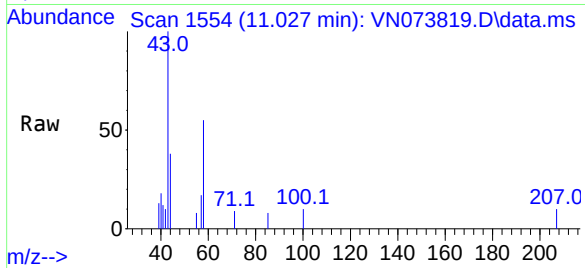




#59
2-Hexanone
Concen: 0.758 ug/l
RT: 11.027 min Scan# 1154
Delta R.T. 0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

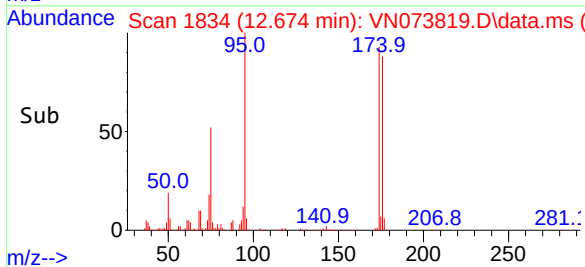
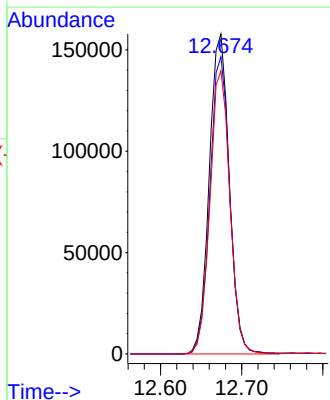
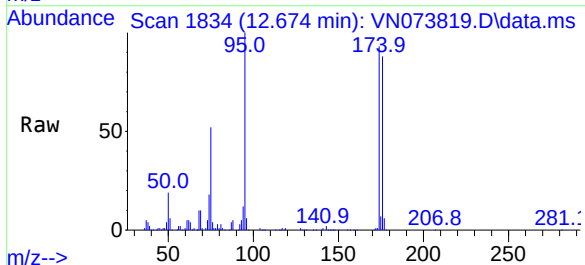
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

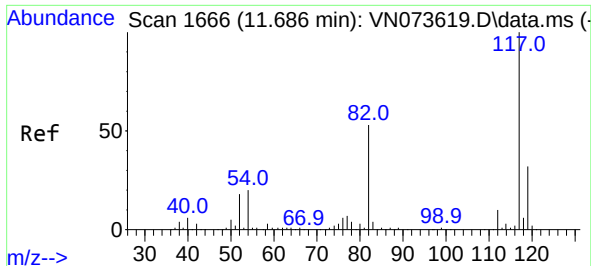
Tgt Ion: 43 Resp: 4307
Ion Ratio Lower Upper
43 100
58 50.3 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 47.582 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 95 Resp: 270385
Ion Ratio Lower Upper
95 100
174 92.0 0.0 167.6
176 88.0 0.0 163.4

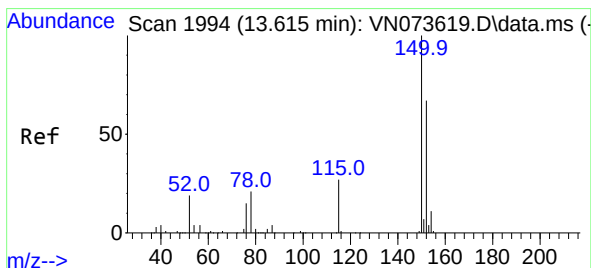
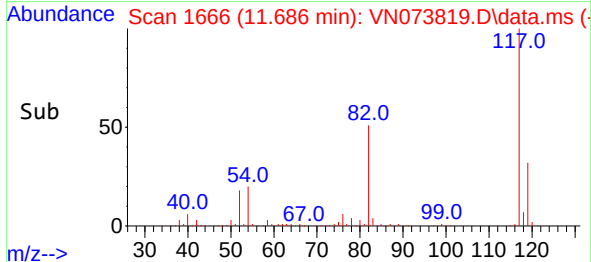
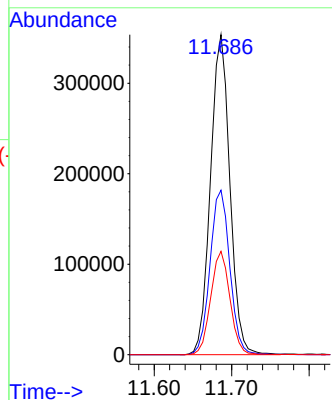
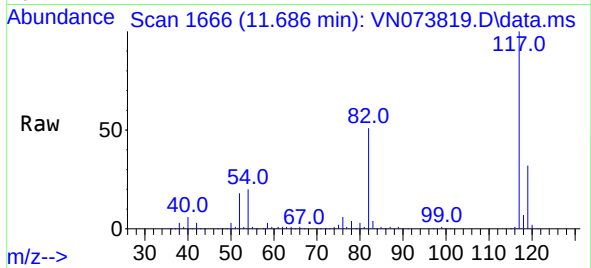




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

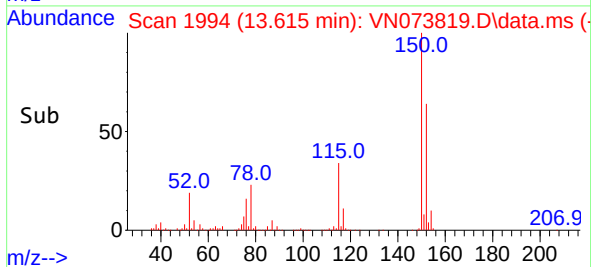
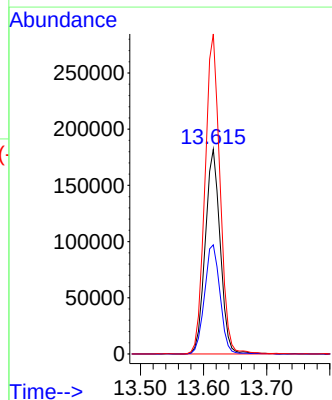
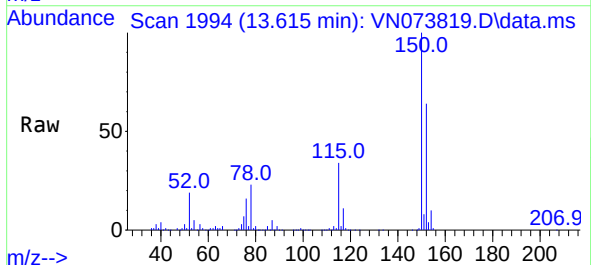
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

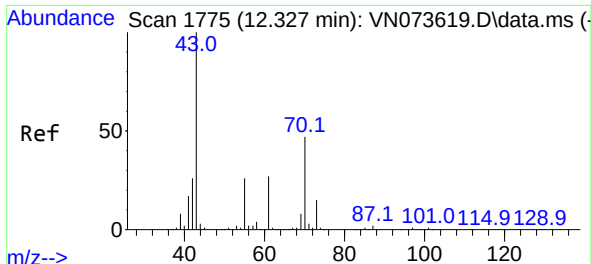
Tgt Ion:117 Resp: 616710
Ion Ratio Lower Upper
117 100
82 51.4 44.2 66.2
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

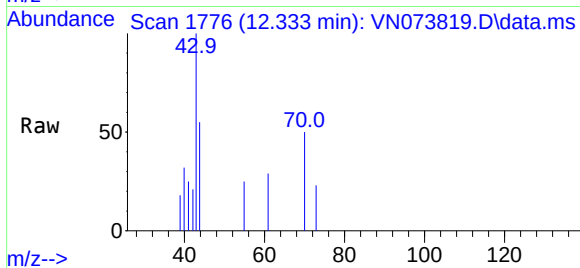
Tgt Ion:152 Resp: 298779
Ion Ratio Lower Upper
152 100
115 55.4 28.9 86.7
150 157.0 0.0 356.2





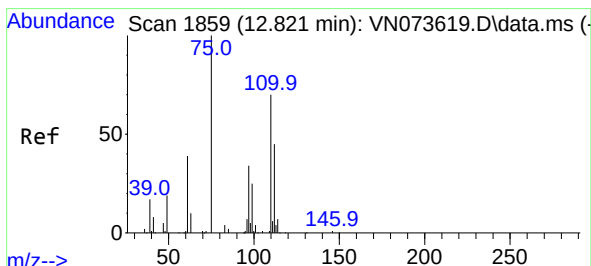
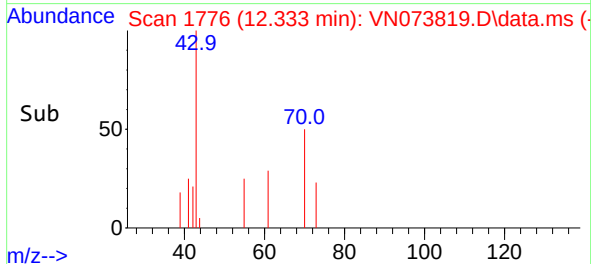
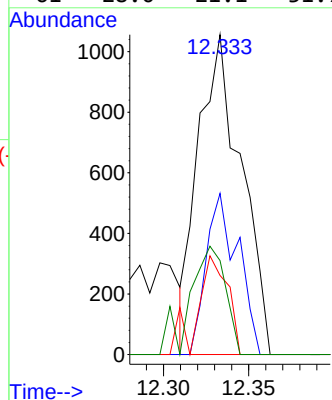
#74
N-amy1 acetate
Concen: 0.224 ug/l
RT: 12.333 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1



Tgt Ion: 43 Resp: 1854

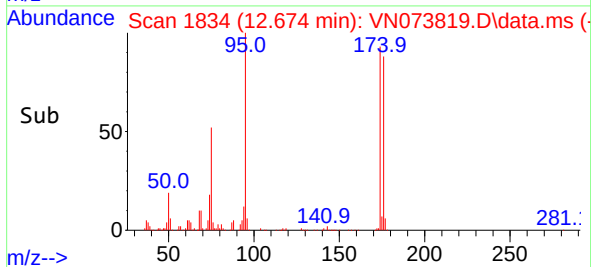
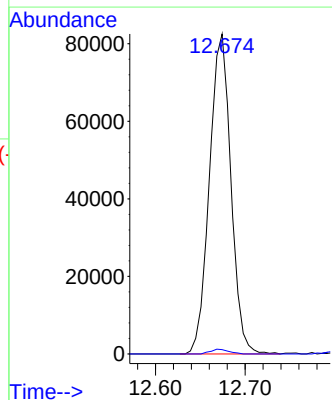
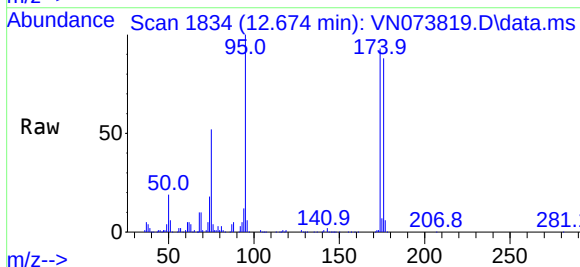
Ion	Ratio	Lower	Upper
43	100		
70	37.3	39.0	58.4#
55	21.6	21.1	31.7
61	28.0	21.1	31.7

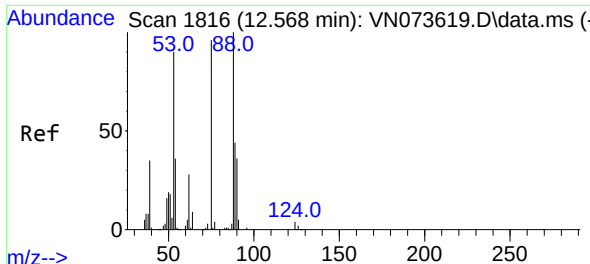


#76
1,2,3-Trichloropropane
Concen: 23.349 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 75 Resp: 137203

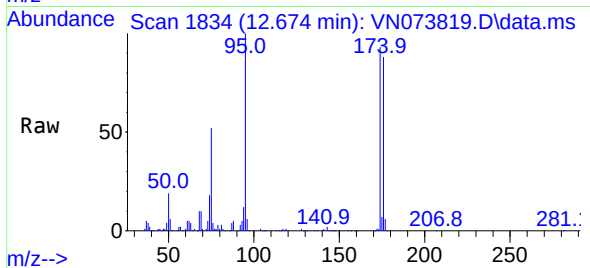
Ion	Ratio	Lower	Upper
75	100		
77	1.3	98.5	295.5#



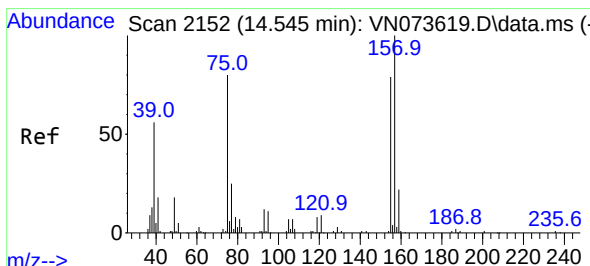
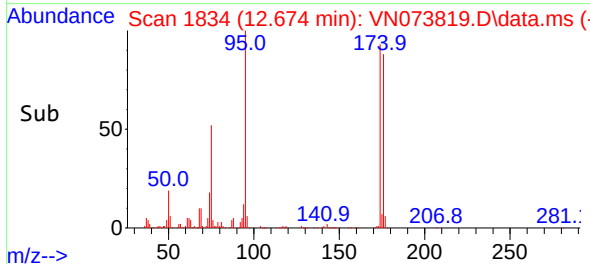
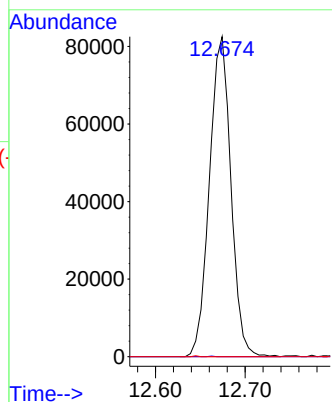


#81
trans-1,4-Dichloro-2-butene
Concen: 59.511 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

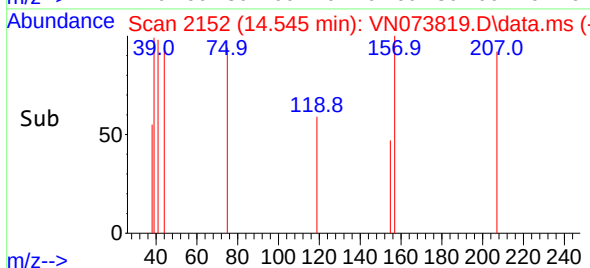
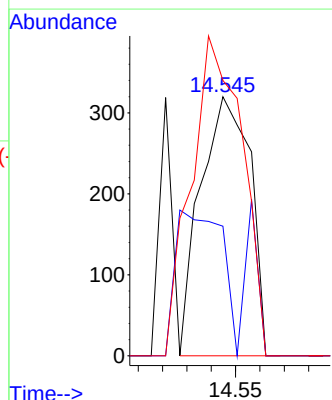
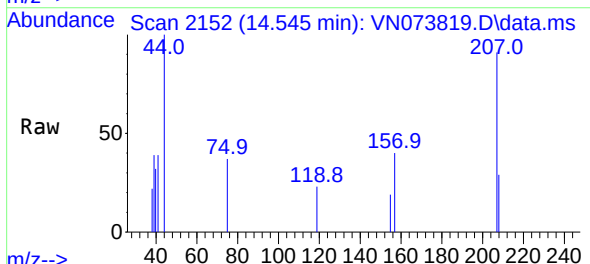


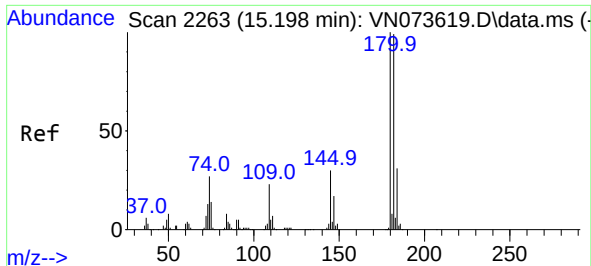
Tgt Ion: 75 Resp: 137203
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.268 ug/l
RT: 14.545 min Scan# 2152
Delta R.T. -0.000 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

Tgt Ion: 75 Resp: 454
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 126.9 59.0 176.8

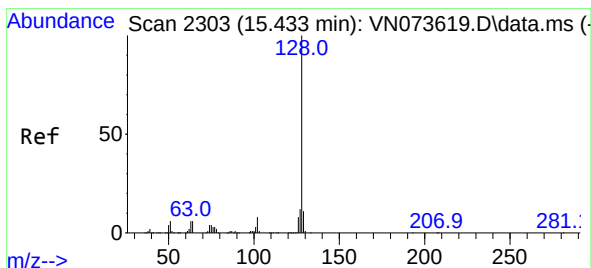
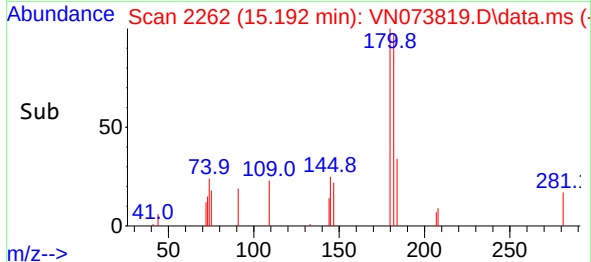
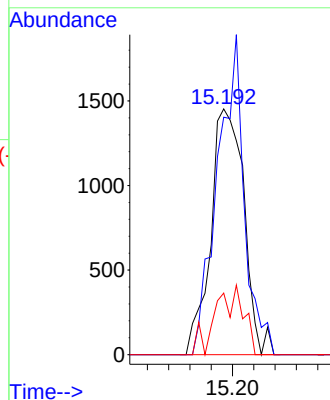
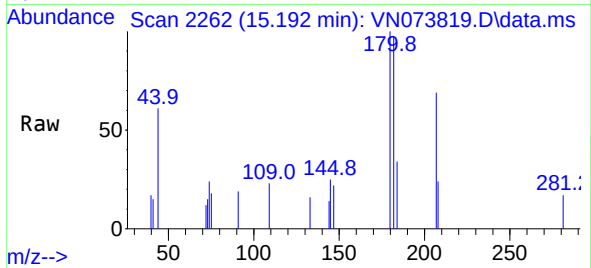




#93
1,2,4-Trichlorobenzene
Concen: 0.602 ug/l
RT: 15.192 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

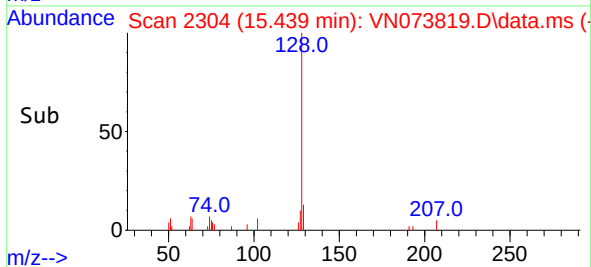
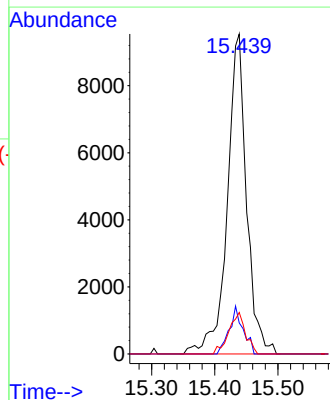
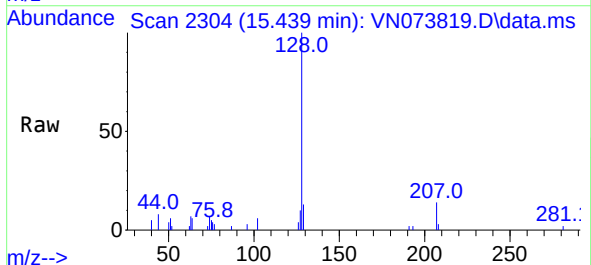
Instrument :
MSVOA_N
ClientSampleId :
WV-TOTECOMP-1

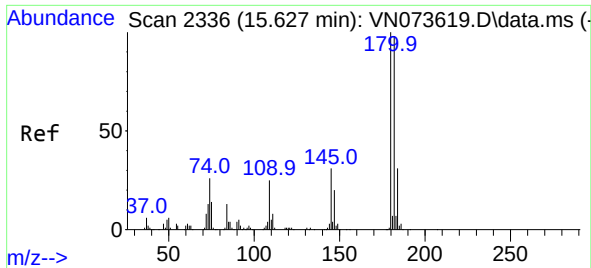
Tgt Ion:180 Resp: 3150
Ion Ratio Lower Upper
180 100
182 104.4 47.5 142.5
145 14.2 14.5 43.5#



#95
Naphthalene
Concen: 1.190 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.006 min
Lab File: VN073819.D
Acq: 11 Aug 2022 12:46

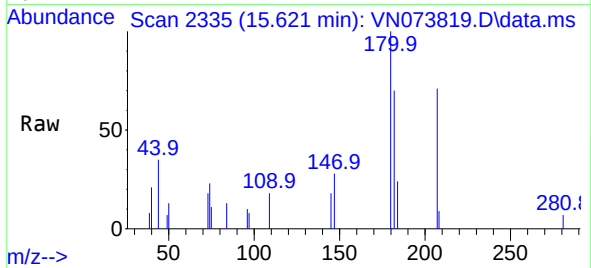
Tgt Ion:128 Resp: 20204
Ion Ratio Lower Upper
128 100
127 10.7 10.3 15.5
129 11.2 8.6 13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.752 ug/l
 RT: 15.621 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN073819.D
 Acq: 11 Aug 2022 12:46

Instrument :
 MSVOA_N
 ClientSampleId :
 WV-TOTECOMP-1



Tgt Ion:	180	Resp:	4139
Ion	Ratio	Lower	Upper
180	100		
182	92.0	47.8	143.3
145	13.2	15.5	46.5#

