

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
 Data File : VN073471.D
 Acq On : 14 Jul 2022 19:31
 Operator : JC\MD
 Sample : N3663-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VB16181

Quant Time: Jul 15 02:03:32 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

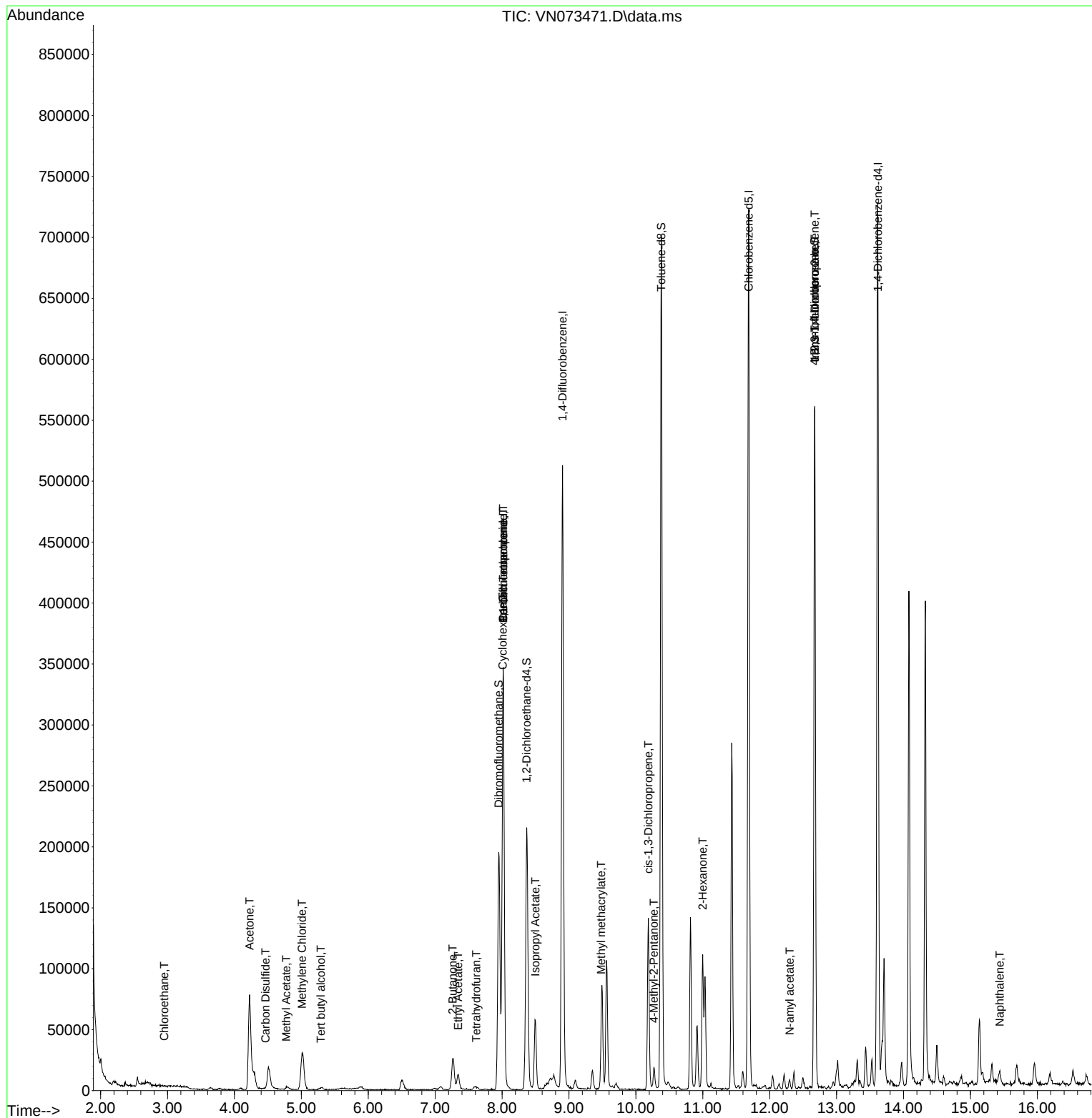
Internal Standards						
1) Pentafluorobenzene	8.016	168	254537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	440852	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	412354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	195236	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	178293	48.521	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.040%		
35) Dibromofluoromethane	7.951	113	144936	49.415	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.820%		
50) Toluene-d8	10.380	98	470351	45.151	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	90.300%		
62) 4-Bromofluorobenzene	12.668	95	200254	50.022	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.040%		
Target Compounds						Qvalue
6) Chloroethane	2.951	64	427	0.236	ug/l #	42
11) Tert butyl alcohol	5.292	59	3476	3.905	ug/l #	83
16) Acetone	4.228	43	144339	69.980	ug/l	94
17) Carbon Disulfide	4.463	76	1581	0.203	ug/l #	75
18) Methyl Acetate	4.775	43	1963	0.340	ug/l #	48
20) Methylene Chloride	5.010	84	24404	6.733	ug/l	90
25) 2-Butanone	7.263	43	45685	13.912	ug/l #	87
29) Tetrahydrofuran	7.616	42	612	0.272	ug/l #	66
31) Cyclohexane	8.010	56	6196	1.030	ug/l #	19
36) 1,1-Dichloropropene	8.016	75	22345	4.951	ug/l #	49
37) Ethyl Acetate	7.345	43	20733	3.040	ug/l #	95
38) Carbon Tetrachloride	8.016	117	27106	5.808	ug/l #	18
43) Isopropyl Acetate	8.498	43	67170	6.854	ug/l #	87
48) Methyl methacrylate	9.480	41	6242	1.376	ug/l #	39
51) 4-Methyl-2-Pentanone	10.269	43	15499	2.494	ug/l #	78
54) cis-1,3-Dichloropropene	10.186	75	18208	3.282	ug/l #	69
59) 2-Hexanone	10.998	43	110286	23.280	ug/l #	21
74) N-amyl acetate	12.298	43	5549	0.657	ug/l #	42
76) 1,2,3-Trichloropropane	12.674	75	102907	20.158	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	102907	55.282	ug/l #	10
95) Naphthalene	15.439	128	9575	0.636	ug/l #	95

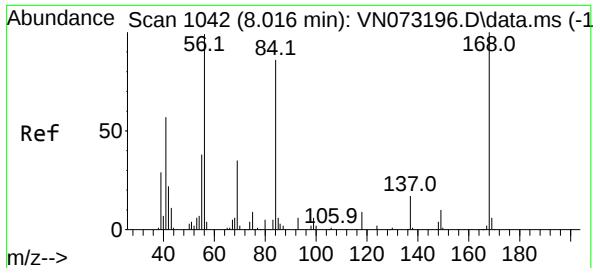
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071422\
Data File : VN073471.D
Acq On : 14 Jul 2022 19:31
Operator : JC\MD
Sample : N3663-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VB16181

Quant Time: Jul 15 02:03:32 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration

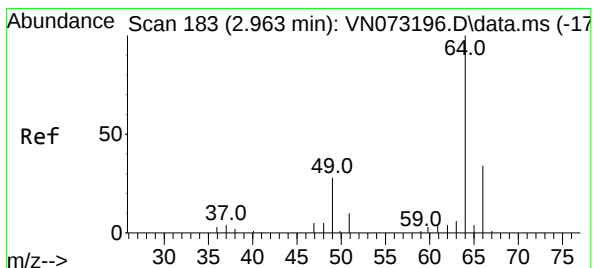
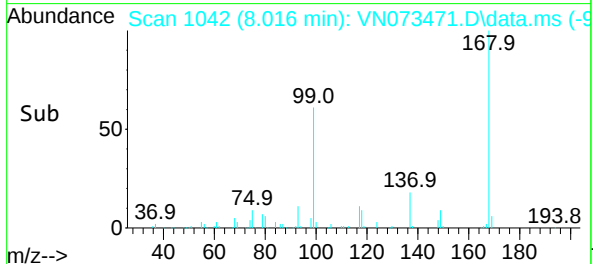
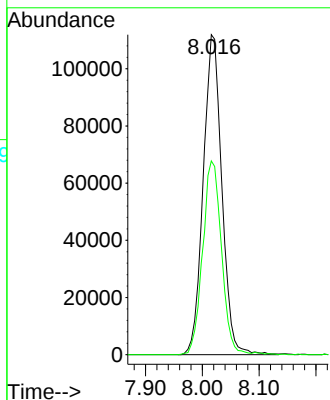
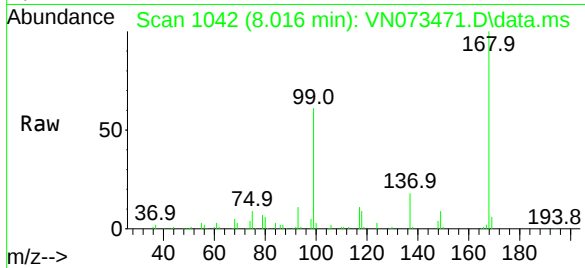




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

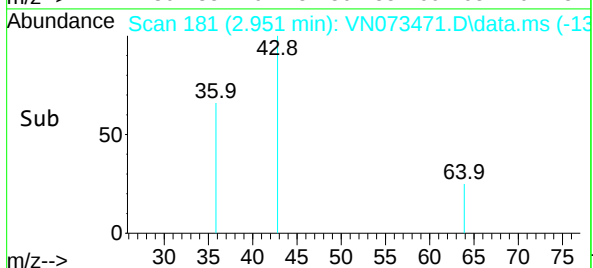
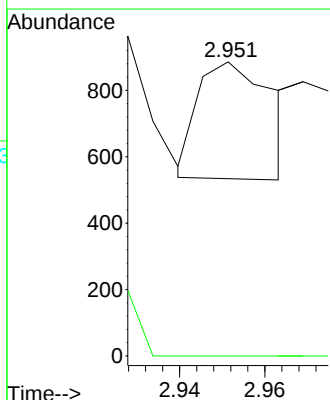
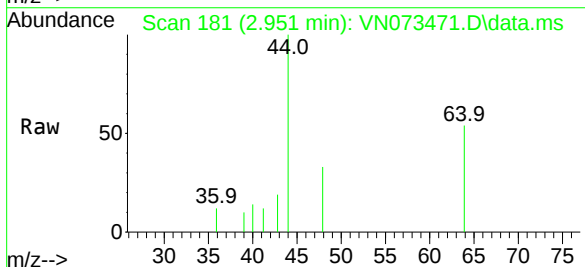
Instrument :
MSVOA_N
ClientSampleId :
VB16181

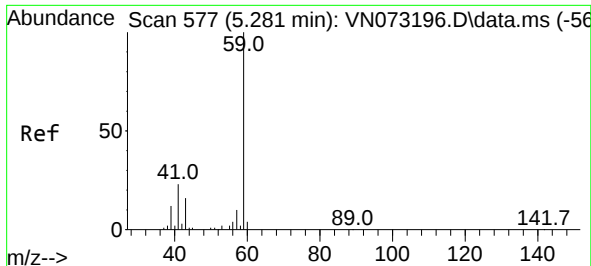
Tgt Ion:168 Resp: 254537
Ion Ratio Lower Upper
168 100
99 60.6 42.3 63.5



#6
Chloroethane
Concen: 0.236 ug/l
RT: 2.951 min Scan# 181
Delta R.T. -0.012 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

Tgt Ion: 64 Resp: 427
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

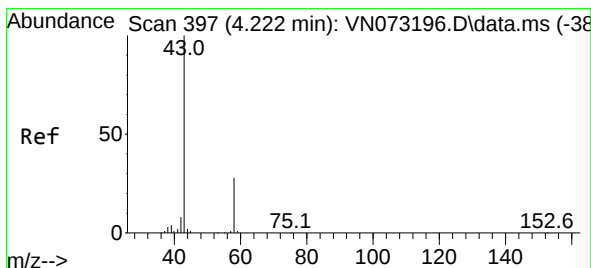
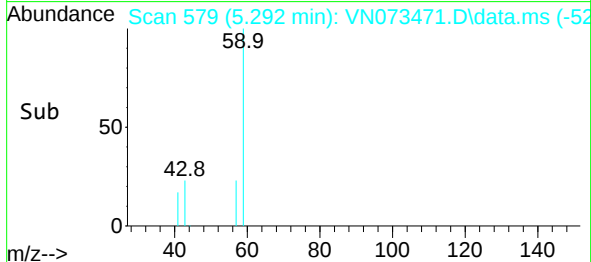
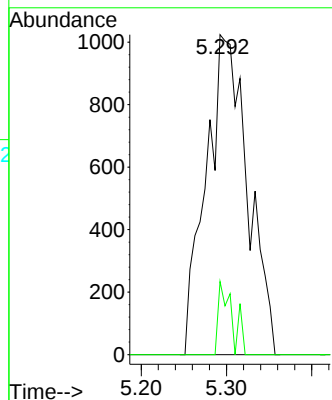
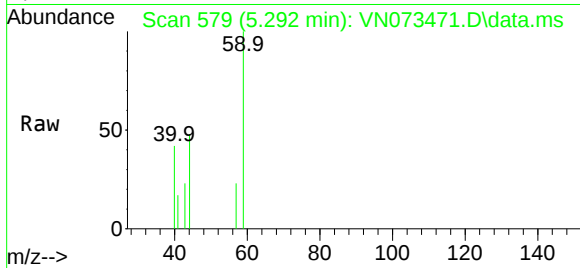




#11
Tert butyl alcohol
Concen: 3.905 ug/l
RT: 5.292 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

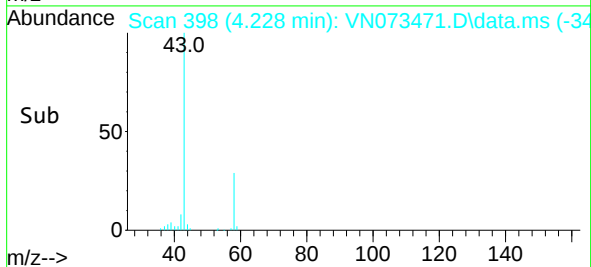
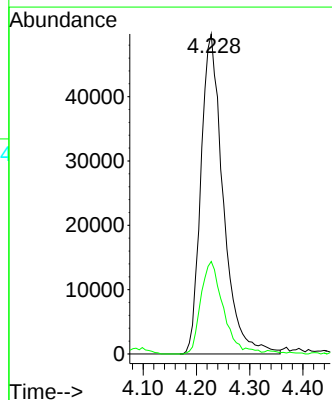
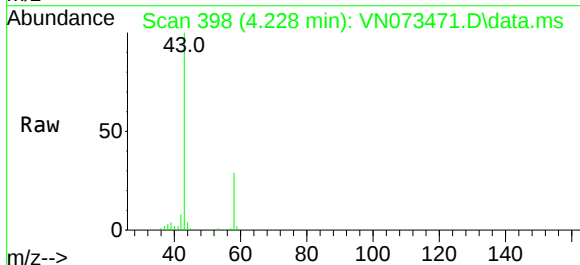
Instrument :
MSVOA_N
ClientSampleId :
VB16181

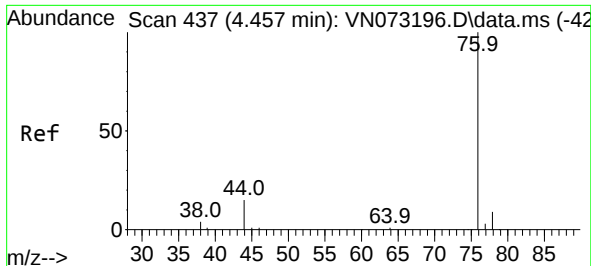
Tgt Ion: 59 Resp: 3476
Ion Ratio Lower Upper
59 100
57 4.0 8.3 12.5#



#16
Acetone
Concen: 69.980 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

Tgt Ion: 43 Resp: 144339
Ion Ratio Lower Upper
43 100
58 28.9 26.0 39.0

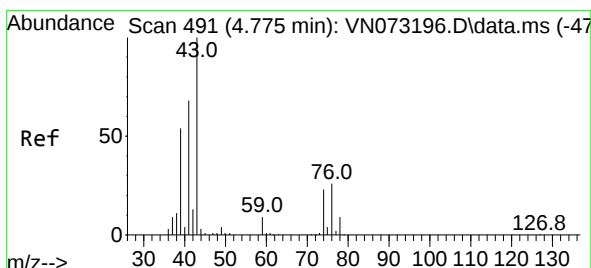
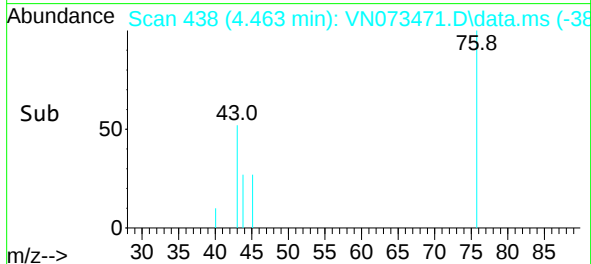
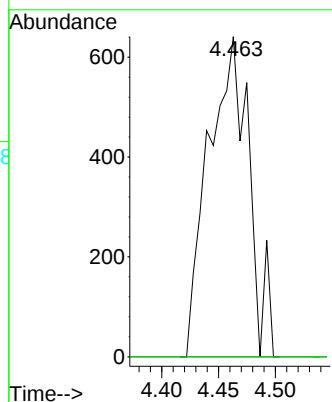
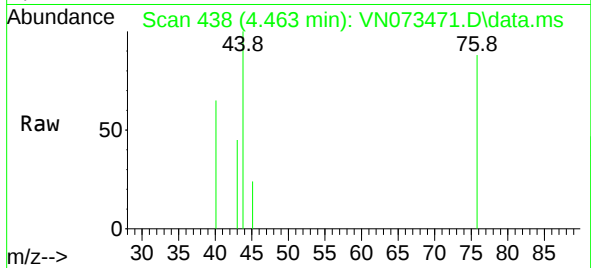




#17
Carbon Disulfide
Concen: 0.203 ug/l
RT: 4.463 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

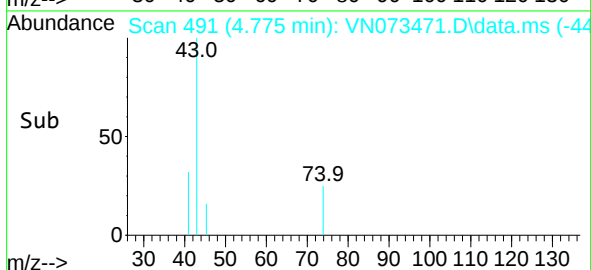
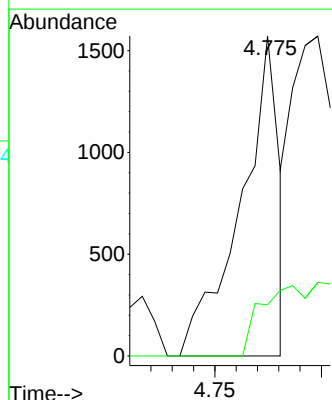
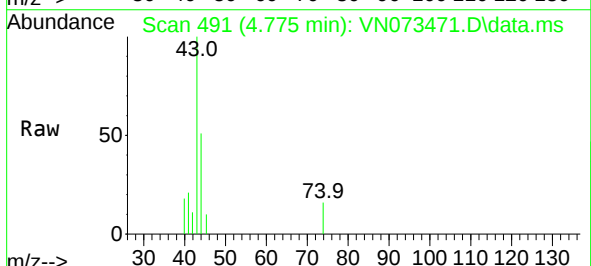
Instrument :
MSVOA_N
ClientSampleId :
VB16181

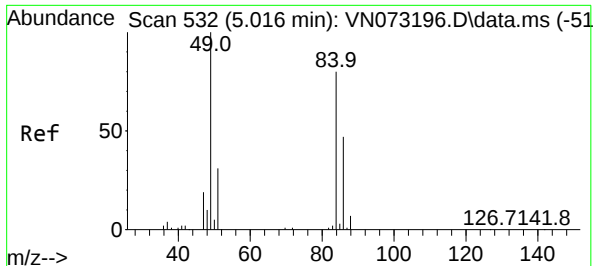
Tgt Ion: 76 Resp: 1581
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.340 ug/l
RT: 4.775 min Scan# 491
Delta R.T. -0.000 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

Tgt Ion: 43 Resp: 1963
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4#

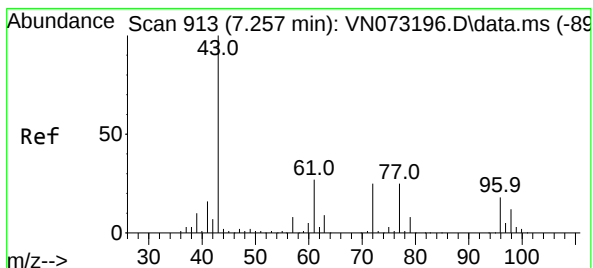
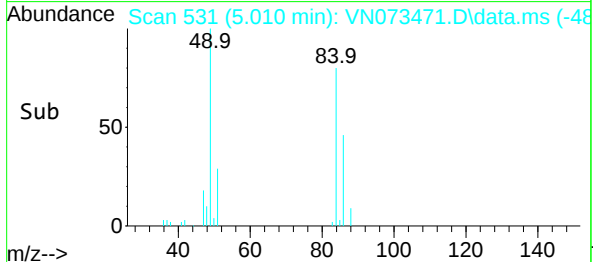
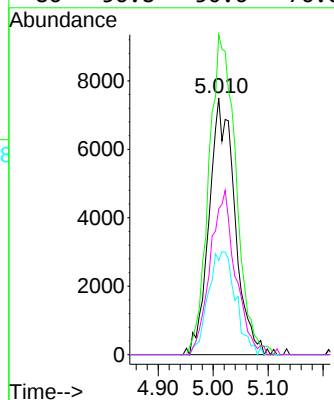
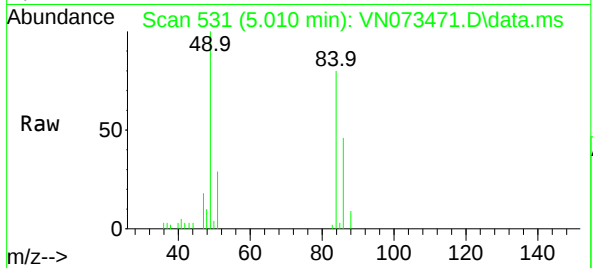




#20
Methylene Chloride
Concen: 6.733 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

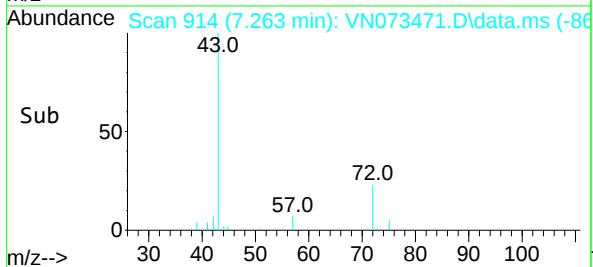
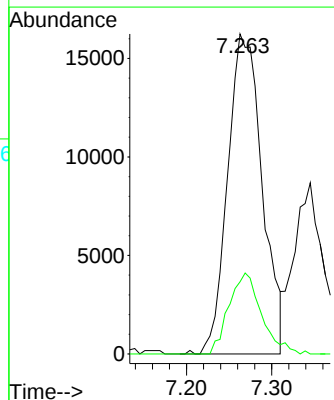
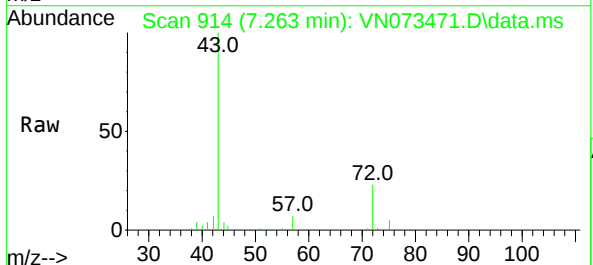
Instrument :
MSVOA_N
ClientSampleId :
VB16181

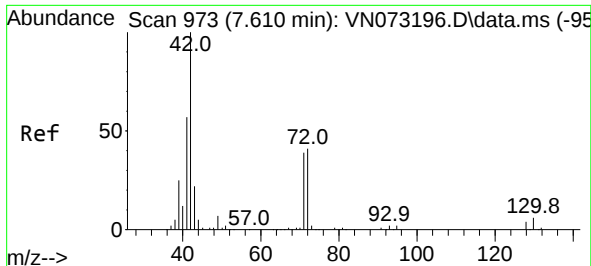
Tgt Ion:	84	Resp:	24404
Ion	Ratio	Lower	Upper
84	100		
49	124.7	88.3	132.5
51	36.7	28.2	42.2
86	56.8	50.6	76.0



#25
2-Butanone
Concen: 13.912 ug/l
RT: 7.263 min Scan# 914
Delta R.T. 0.006 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

Tgt Ion:	43	Resp:	45685
Ion	Ratio	Lower	Upper
43	100		
72	22.5	23.7	35.5





#29

Tetrahydrofuran

Concen: 0.272 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN073471.D

Acq: 14 Jul 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

VB16181

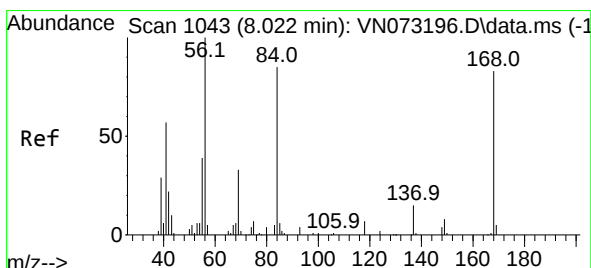
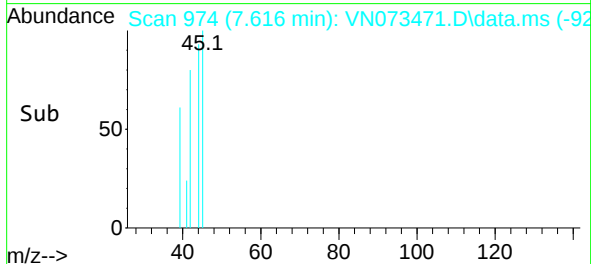
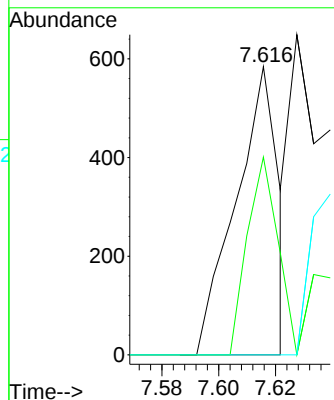
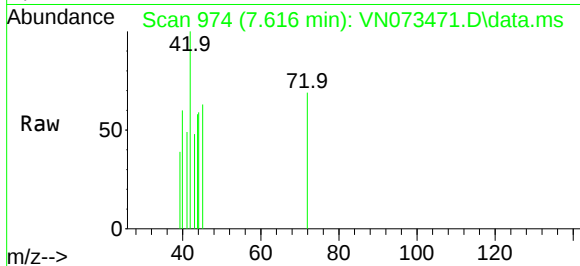
Tgt Ion: 42 Resp: 612

Ion Ratio Lower Upper

42 100

72 49.0 39.7 59.5

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.030 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073471.D

Acq: 14 Jul 2022 19:31

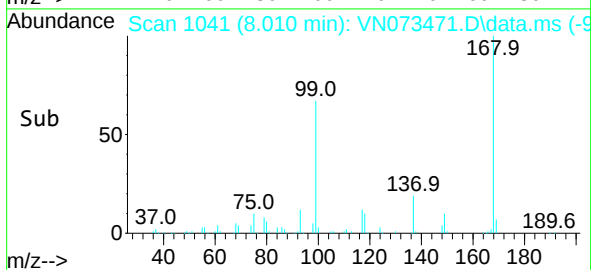
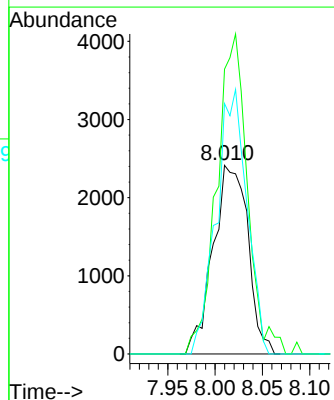
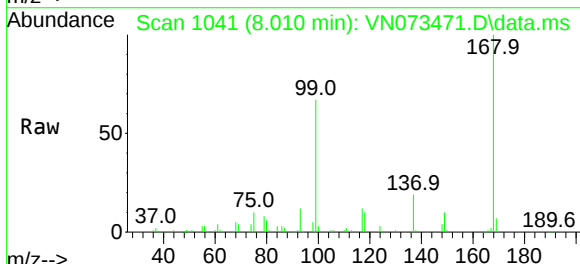
Tgt Ion: 56 Resp: 6196

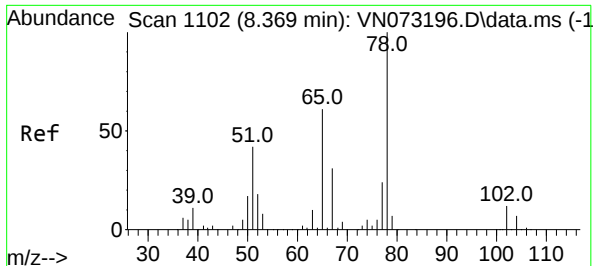
Ion Ratio Lower Upper

56 100

69 150.9 27.8 41.8#

84 132.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.521 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073471.D

Acq: 14 Jul 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

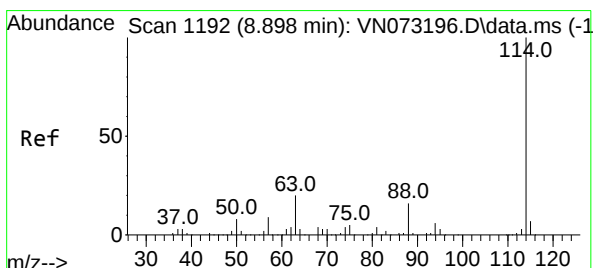
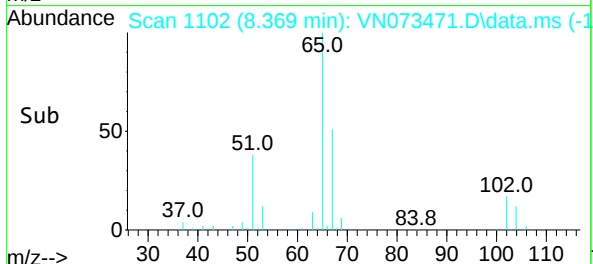
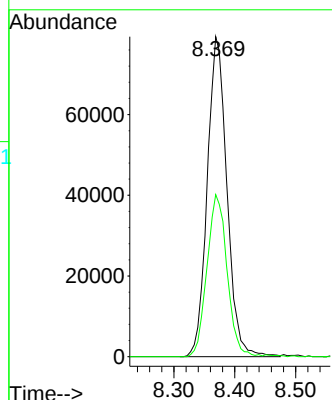
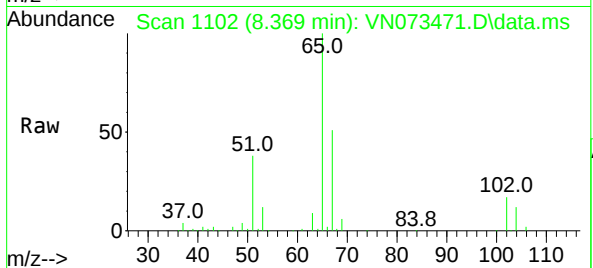
VB16181

Tgt Ion: 65 Resp: 178293

Ion Ratio Lower Upper

65 100

67 51.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073471.D

Acq: 14 Jul 2022 19:31

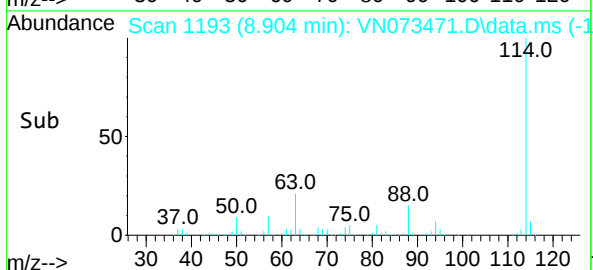
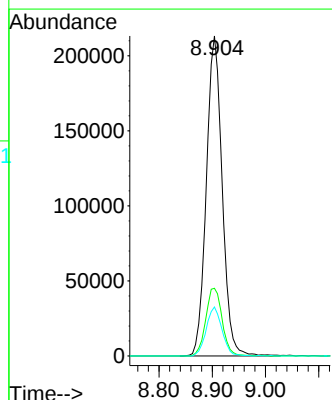
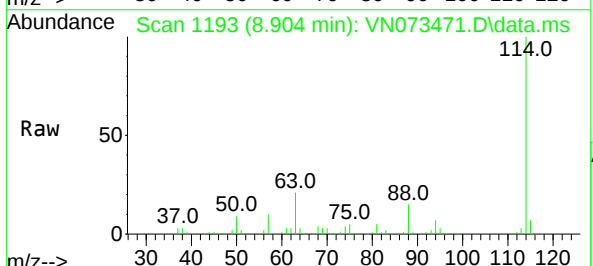
Tgt Ion: 114 Resp: 440852

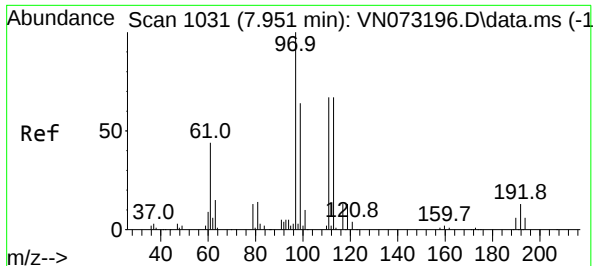
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 49.415 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073471.D

Acq: 14 Jul 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

VB16181

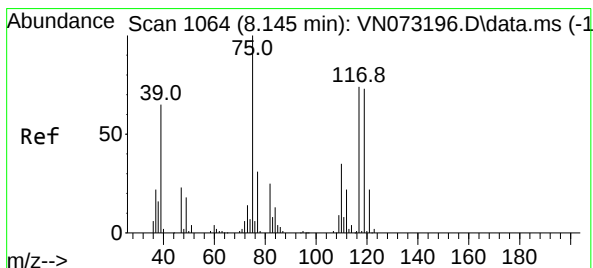
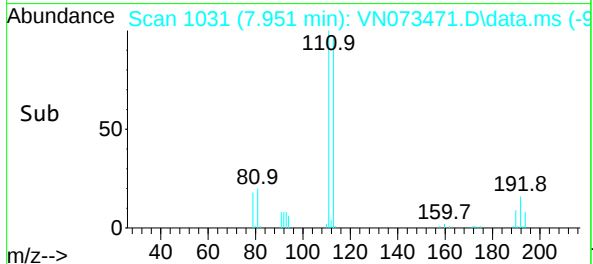
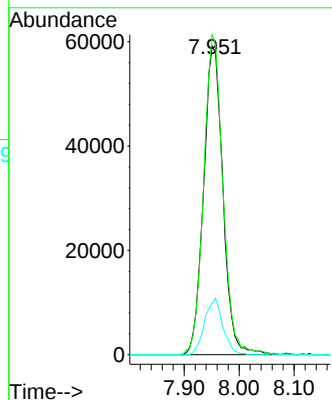
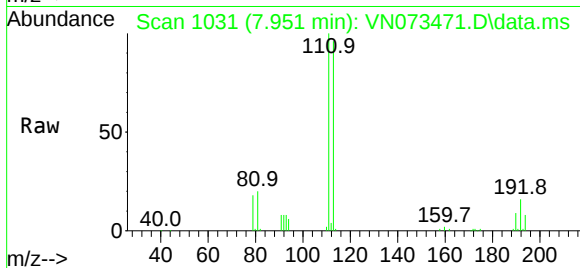
Tgt Ion:113 Resp: 144936

Ion Ratio Lower Upper

113 100

111 103.0 81.4 122.0

192 17.2 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.951 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073471.D

Acq: 14 Jul 2022 19:31

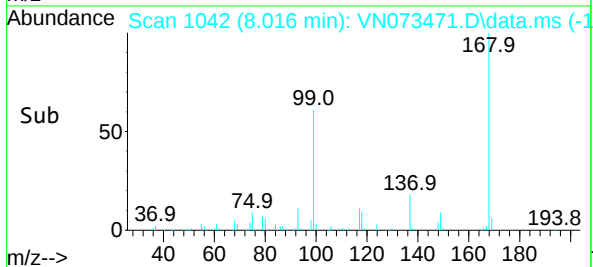
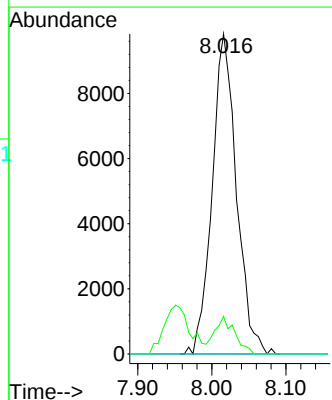
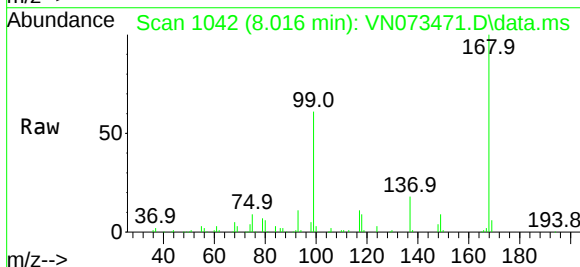
Tgt Ion: 75 Resp: 22345

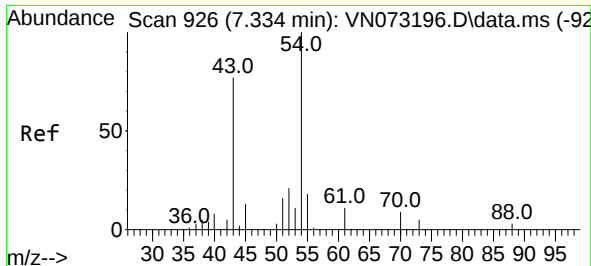
Ion Ratio Lower Upper

75 100

110 9.7 18.3 54.8#

77 0.0 25.1 37.7#

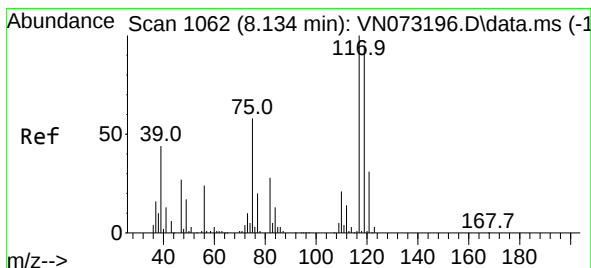
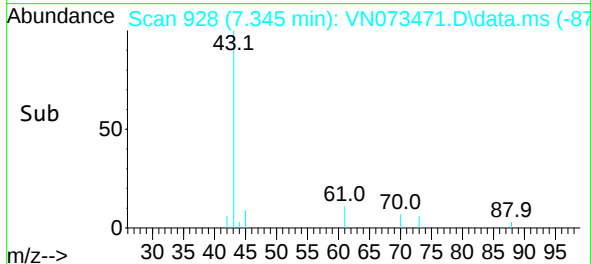
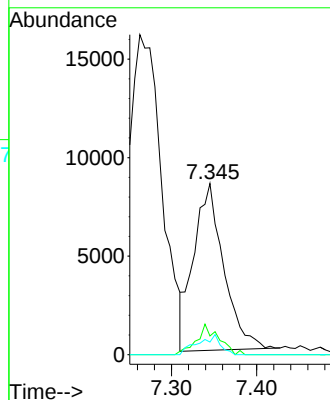
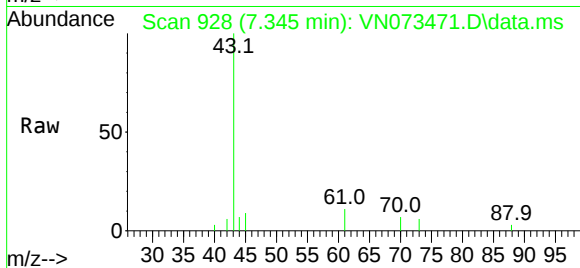




#37
Ethyl Acetate
Concen: 3.040 ug/l
RT: 7.345 min Scan# 91
Delta R.T. 0.011 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

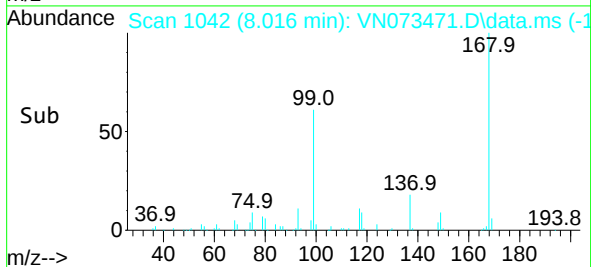
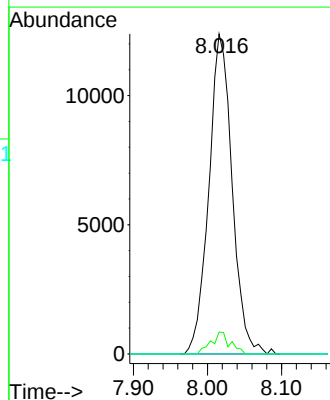
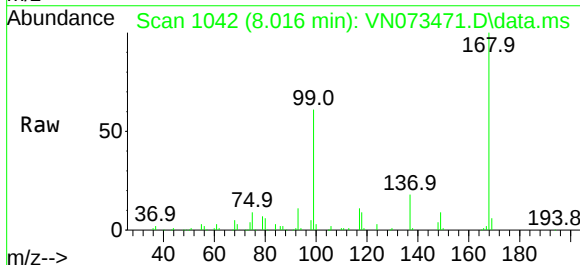
Instrument :
MSVOA_N
ClientSampleId :
VB16181

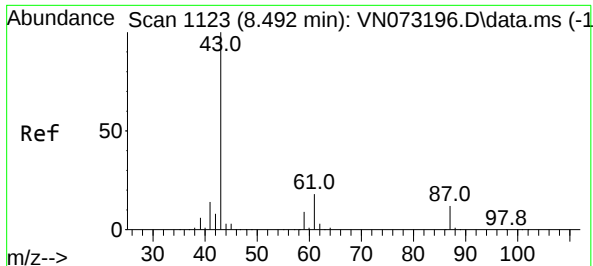
Tgt Ion: 43 Resp: 20733
Ion Ratio Lower Upper
43 100
61 13.5 11.8 17.6
70 9.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 5.808 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

Tgt Ion: 117 Resp: 27106
Ion Ratio Lower Upper
117 100
119 6.9 75.8 113.8#
121 0.0 24.6 37.0#

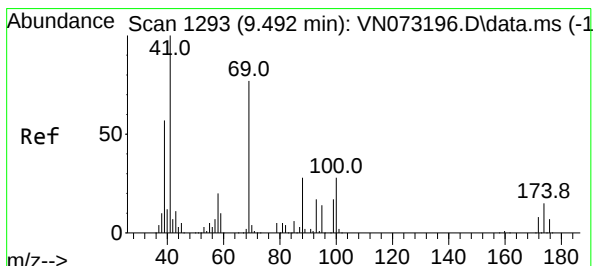
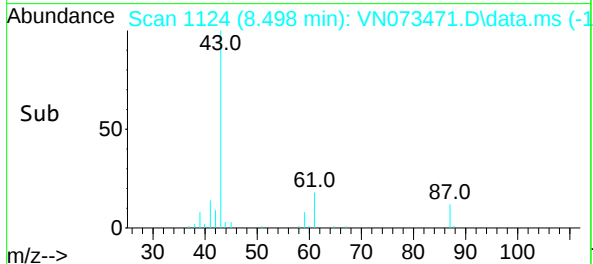
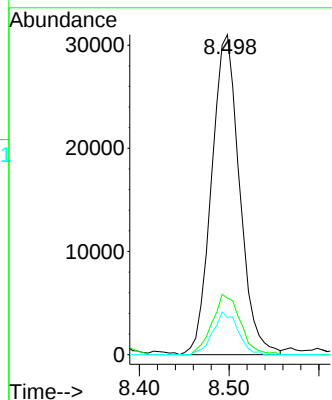
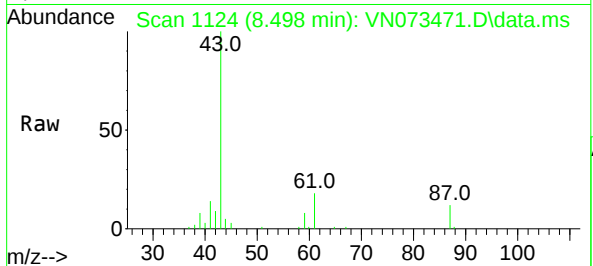




#43
Isopropyl Acetate
Concen: 6.854 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

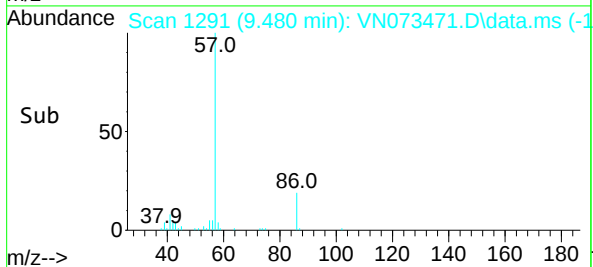
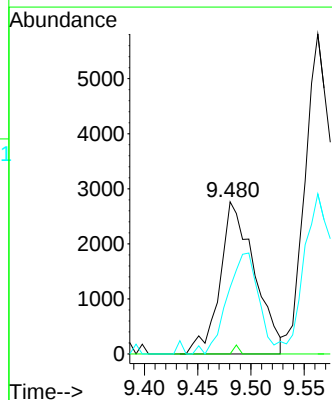
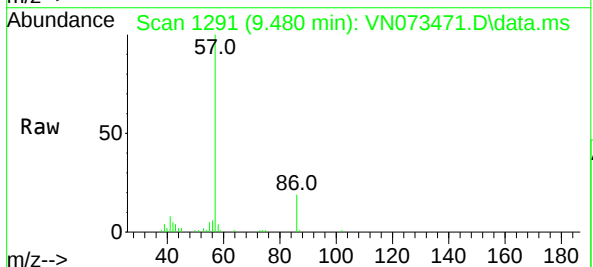
Instrument :
MSVOA_N
ClientSampleId :
VB16181

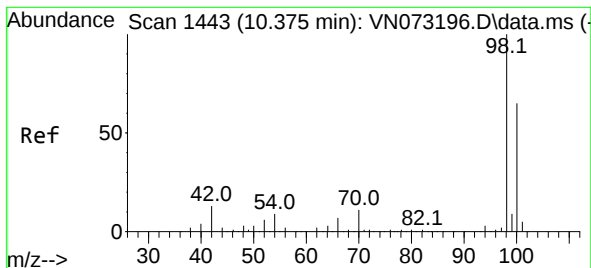
Tgt Ion: 43 Resp: 67170
Ion Ratio Lower Upper
43 100
61 18.9 21.9 32.9#
87 12.0 12.0 18.0#



#48
Methyl methacrylate
Concen: 1.376 ug/l
RT: 9.480 min Scan# 1291
Delta R.T. -0.012 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

Tgt Ion: 41 Resp: 6242
Ion Ratio Lower Upper
41 100
69 0.9 74.7 112.1#
39 59.6 45.6 68.4





#50

Toluene-d8

Concen: 45.151 ug/l

RT: 10.380 min Scan# 1444

Delta R.T. 0.005 min

Lab File: VN073471.D

Acq: 14 Jul 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

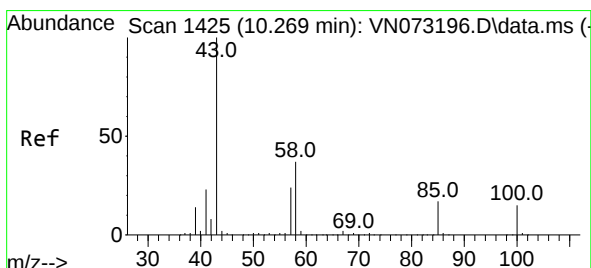
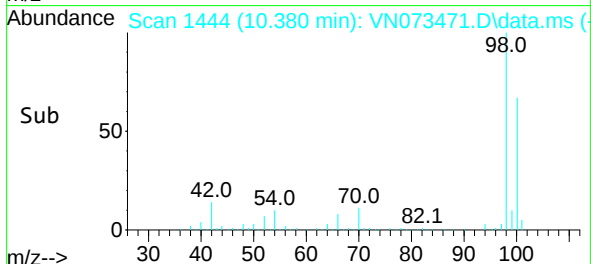
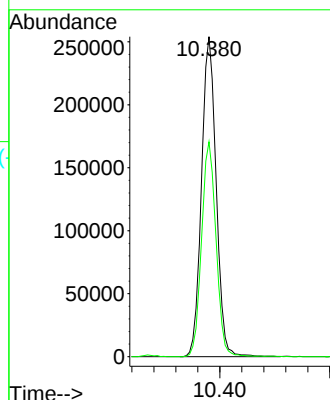
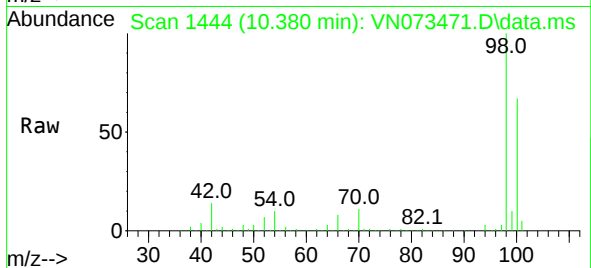
VB16181

Tgt Ion: 98 Resp: 470351

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 2.494 ug/l

RT: 10.269 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VN073471.D

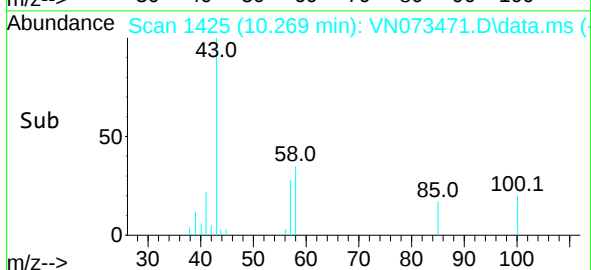
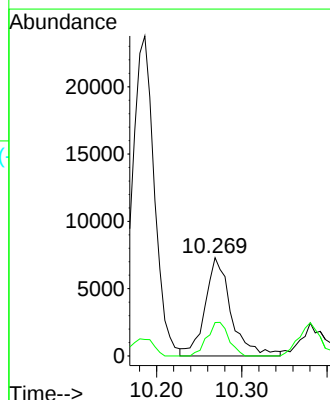
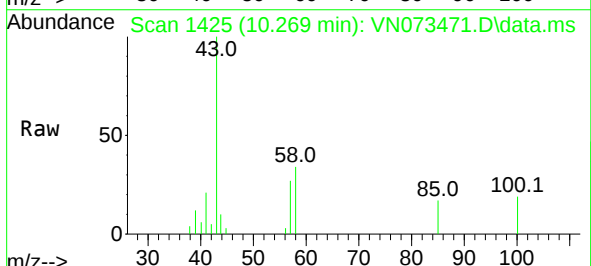
Acq: 14 Jul 2022 19:31

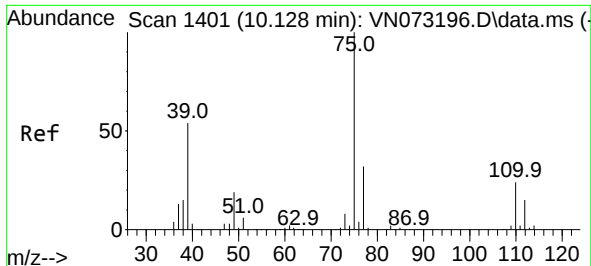
Tgt Ion: 43 Resp: 15499

Ion Ratio Lower Upper

43 100

58 28.4 34.1 51.1#

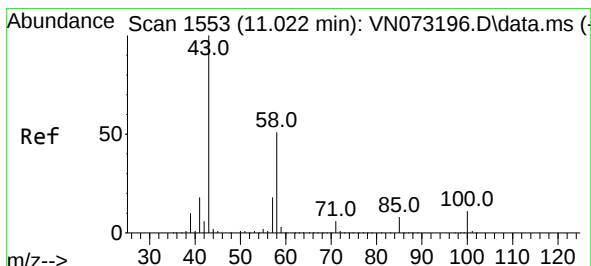
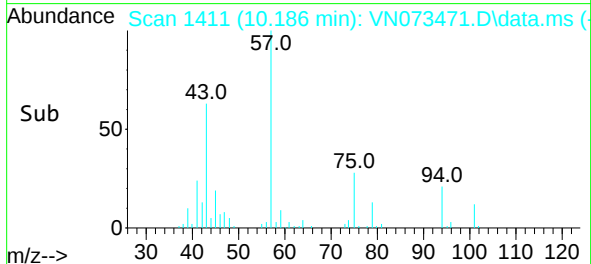
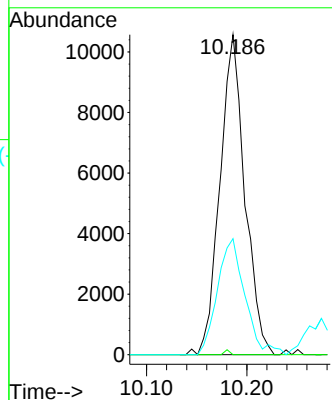
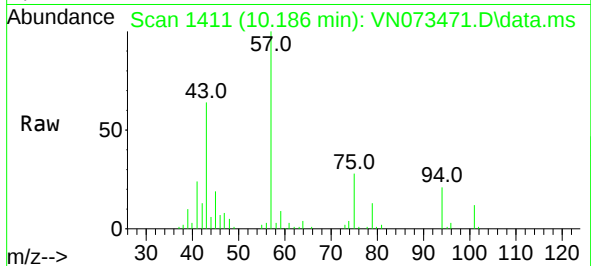




#54
 cis-1,3-Dichloropropene
 Concen: 3.282 ug/l
 RT: 10.186 min Scan# 1401
 Delta R.T. 0.058 min
 Lab File: VN073471.D
 Acq: 14 Jul 2022 19:31

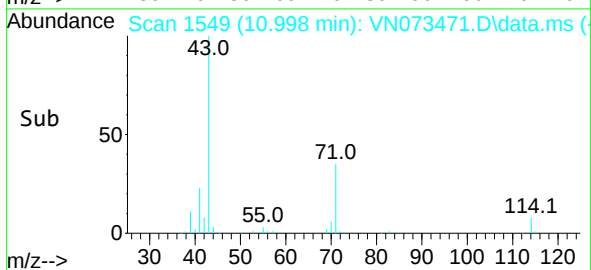
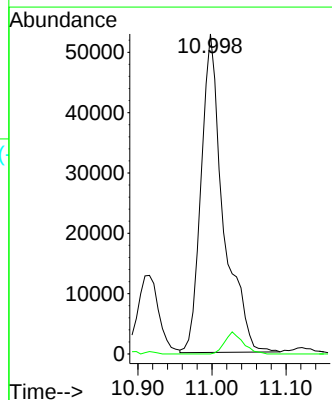
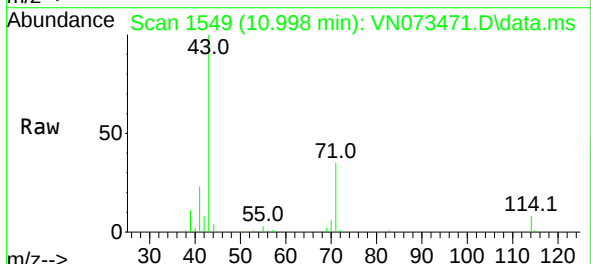
Instrument :
 MSVOA_N
 ClientSampleId :
 VB16181

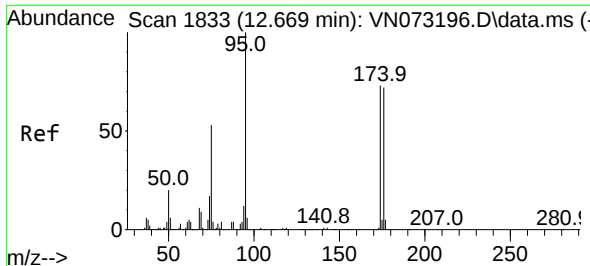
Tgt Ion: 75 Resp: 18208
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.2 37.8#
 39 36.3 35.7 53.5



#59
 2-Hexanone
 Concen: 23.280 ug/l
 RT: 10.998 min Scan# 1549
 Delta R.T. -0.024 min
 Lab File: VN073471.D
 Acq: 14 Jul 2022 19:31

Tgt Ion: 43 Resp: 110286
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.7 89.1#

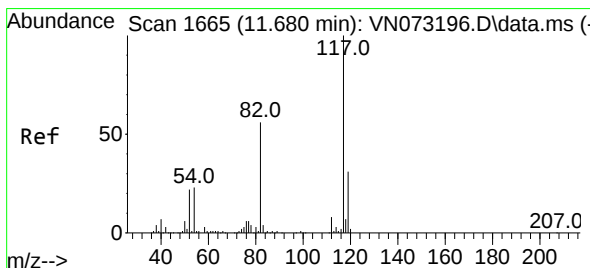
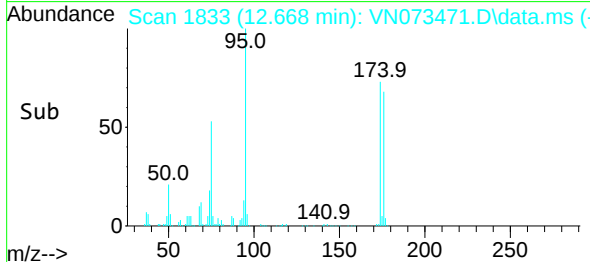
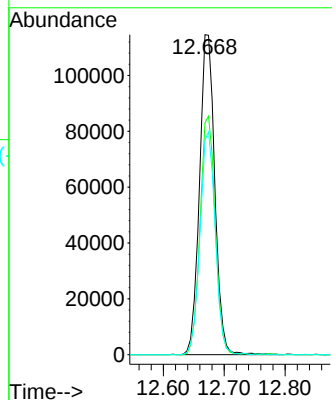
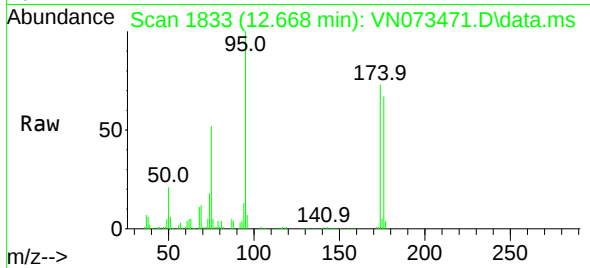




#62
4-Bromofluorobenzene
Concen: 50.022 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

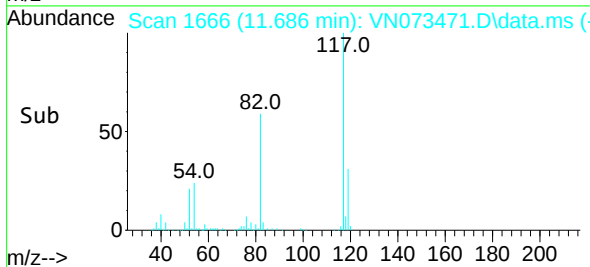
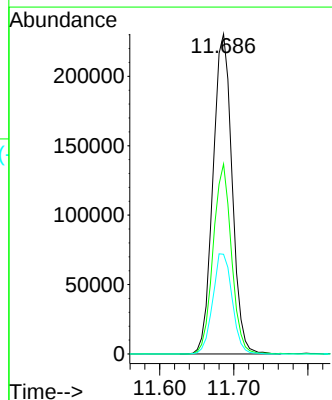
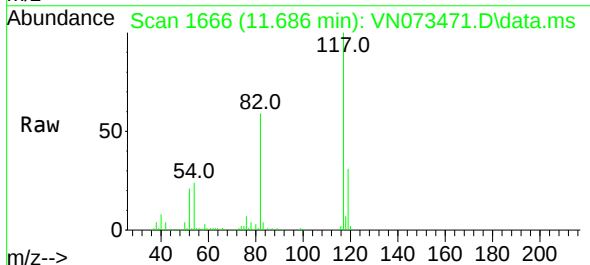
Instrument :
MSVOA_N
ClientSampleId :
VB16181

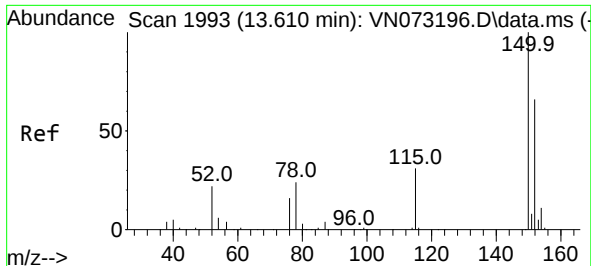
Tgt Ion: 95 Resp: 200254
Ion Ratio Lower Upper
95 100
174 73.9 0.0 167.6
176 69.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

Tgt Ion: 117 Resp: 412354
Ion Ratio Lower Upper
117 100
82 59.3 44.2 66.2
119 31.2 25.4 38.0

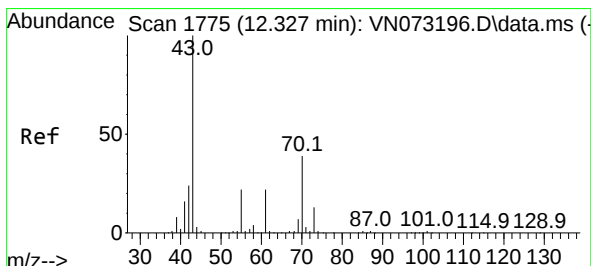
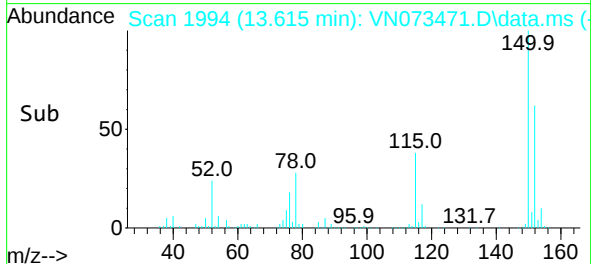
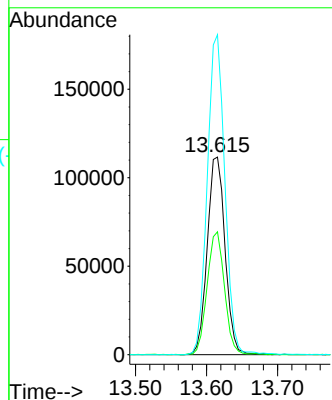
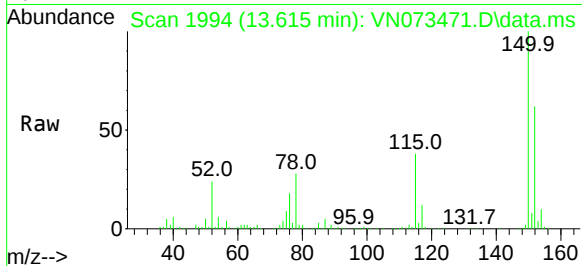




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.615 min Scan# 1994
 Delta R.T. 0.005 min
 Lab File: VN073471.D
 Acq: 14 Jul 2022 19:31

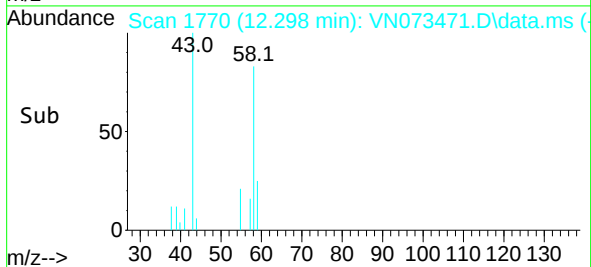
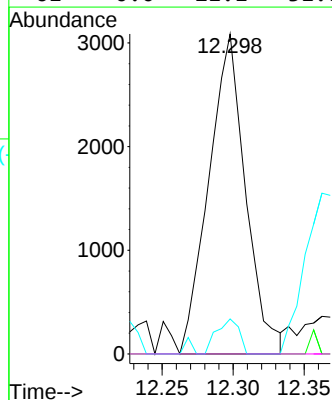
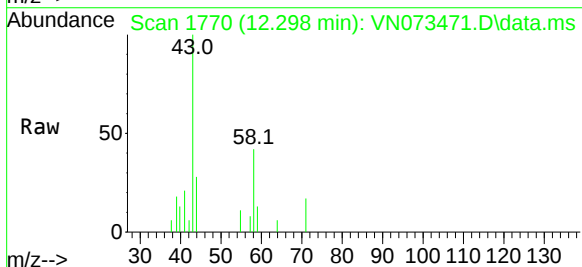
Instrument :
 MSVOA_N
 ClientSampleId :
 VB16181

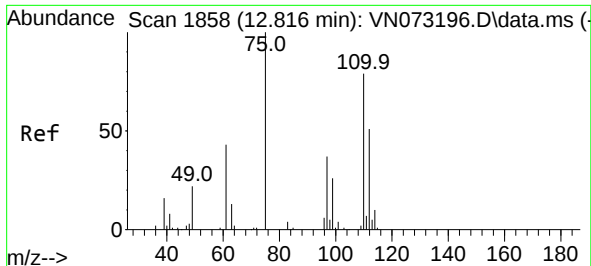
Tgt Ion:152 Resp: 195236
 Ion Ratio Lower Upper
 152 100
 115 60.4 28.9 86.7
 150 159.8 0.0 356.2



#74
 N-ethyl acetate
 Concen: 0.657 ug/l
 RT: 12.298 min Scan# 1770
 Delta R.T. -0.029 min
 Lab File: VN073471.D
 Acq: 14 Jul 2022 19:31

Tgt Ion: 43 Resp: 5549
 Ion Ratio Lower Upper
 43 100
 70 0.0 39.0 58.4#
 55 6.7 21.1 31.7#
 61 0.0 21.1 31.7#

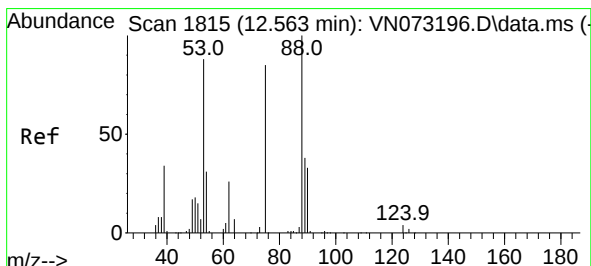
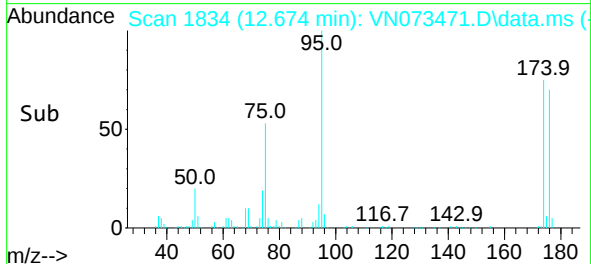
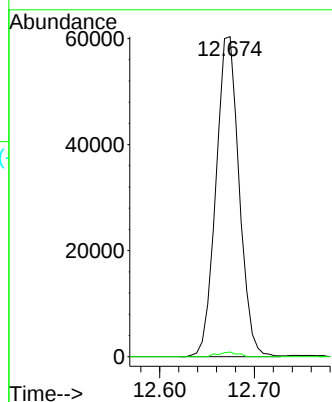
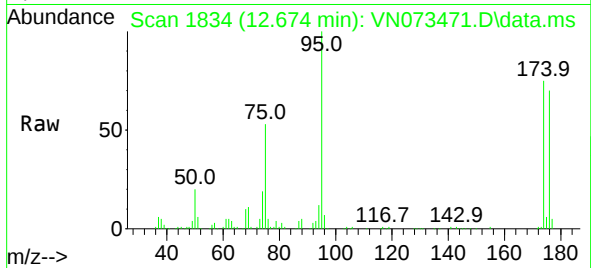




#76
1,2,3-Trichloropropane
Concen: 20.158 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.142 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

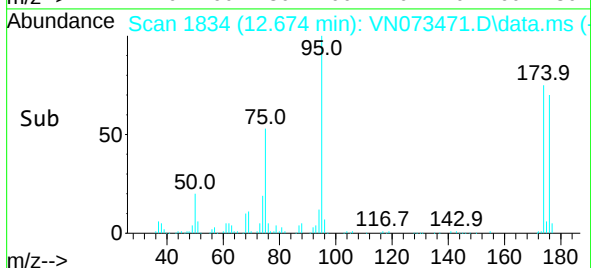
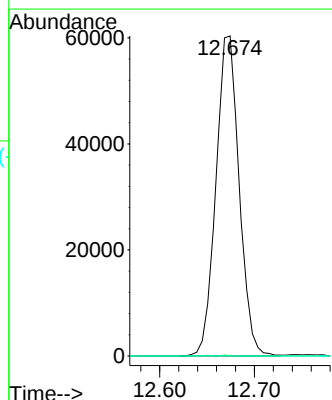
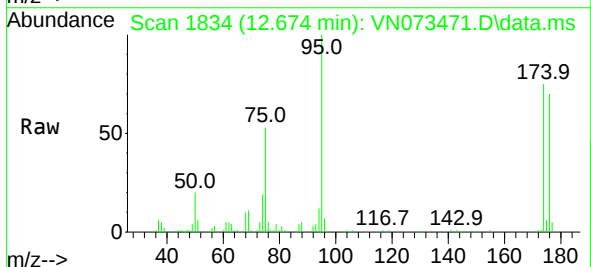
Instrument :
MSVOA_N
ClientSampleId :
VB16181

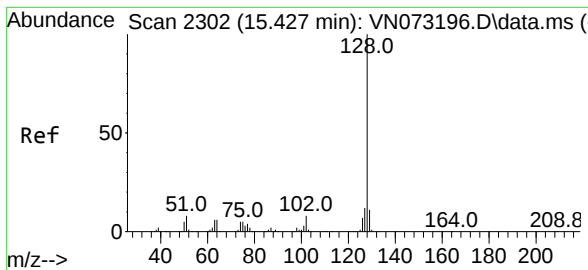
Tgt Ion: 75 Resp: 102907
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.282 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.111 min
Lab File: VN073471.D
Acq: 14 Jul 2022 19:31

Tgt Ion: 75 Resp: 102907
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#





#95

Naphthalene

Concen: 0.636 ug/l

RT: 15.439 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN073471.D

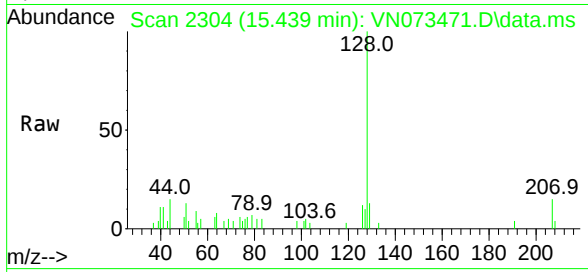
Acq: 14 Jul 2022 19:31

Instrument :

MSVOA_N

ClientSampleId :

VB16181



Tgt Ion:128 Resp: 9575

Ion Ratio Lower Upper

128 100

127 9.3 10.3 15.5#

129 10.5 8.6 13.0

