

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070122\
 Data File : VN073295.D
 Acq On : 01 Jul 2022 14:22
 Operator : JC\MD
 Sample : N3485-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-20220623

Quant Time: Jul 04 05:04:50 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)

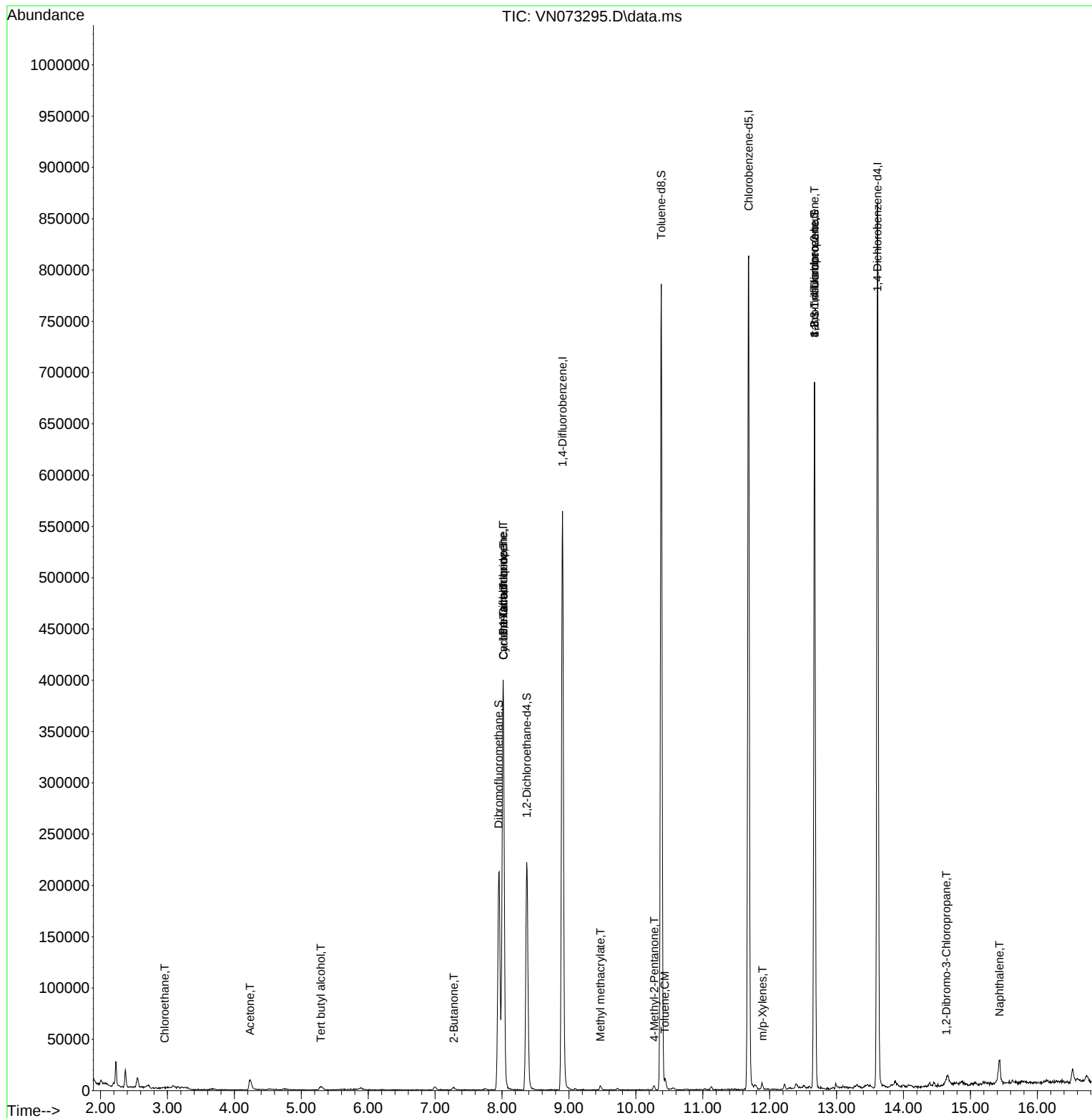
Internal Standards						
1) Pentafluorobenzene	8.016	168	303263	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	502930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	466162	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	234873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	188015	42.946	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.900%		
35) Dibromofluoromethane	7.951	113	156930	46.900	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.800%		
50) Toluene-d8	10.381	98	528547	44.475	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.960%		
62) 4-Bromofluorobenzene	12.669	95	240413	52.641	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	105.280%		
Target Compounds					Qvalue	
6) Chloroethane	2.957	64	446	0.207	ug/l #	42
11) Tert butyl alcohol	5.293	59	6446	6.078	ug/l #	84
16) Acetone	4.234	43	19629	7.988	ug/l	94
25) 2-Butanone	7.281	43	5309	1.357	ug/l	96
31) Cyclohexane	8.022	56	7194	1.003	ug/l #	51
36) 1,1-Dichloropropene	8.016	75	23688	4.601	ug/l #	49
38) Carbon Tetrachloride	8.022	117	30883	5.800	ug/l #	16
48) Methyl methacrylate	9.469	41	1231	0.238	ug/l #	35
51) 4-Methyl-2-Pentanone	10.275	43	3056	0.431	ug/l #	82
52) Toluene	10.433	92	2902	0.296	ug/l	84
68) m/p-Xylenes	11.892	106	1832	0.254	ug/l	98
76) 1,2,3-Trichloropropane	12.669	75	123559	20.119	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	123559	55.175	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.639	75	991	0.606	ug/l #	9
95) Naphthalene	15.433	128	23113	1.277	ug/l	97

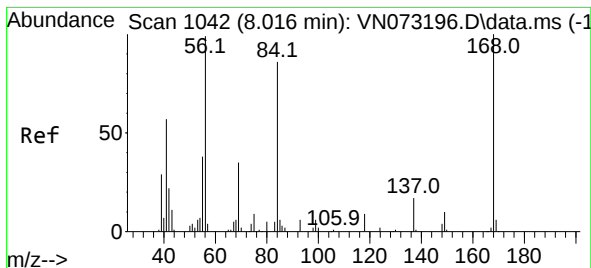
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073295.D

Acq: 01 Jul 2022 14:22

Instrument :

MSVOA_N

ClientSampleId :

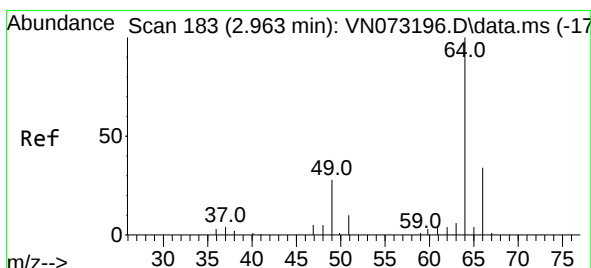
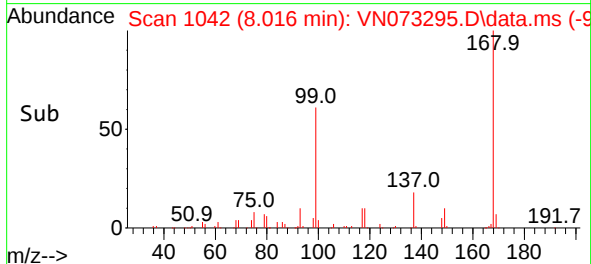
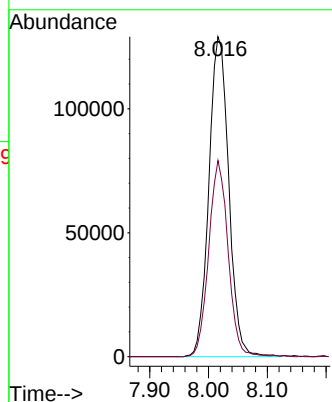
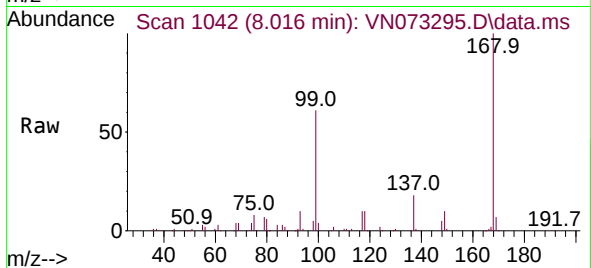
EB01-20220623

Tgt Ion:168 Resp: 303263

Ion Ratio Lower Upper

168 100

99 61.3 42.3 63.5



#6

Chloroethane

Concen: 0.207 ug/l

RT: 2.957 min Scan# 182

Delta R.T. -0.006 min

Lab File: VN073295.D

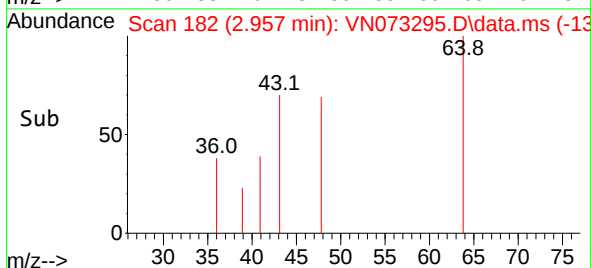
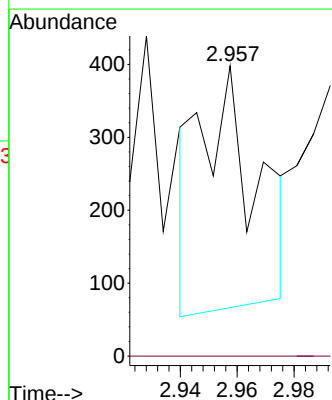
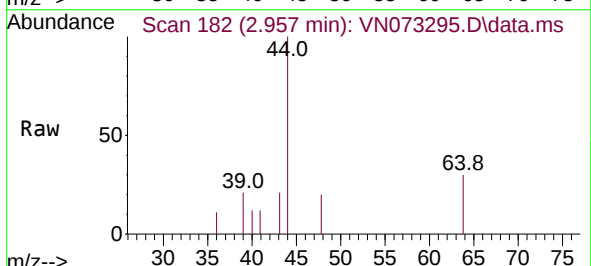
Acq: 01 Jul 2022 14:22

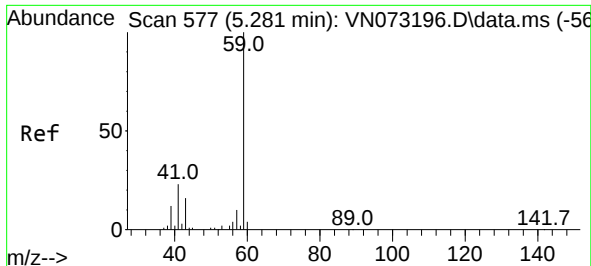
Tgt Ion: 64 Resp: 446

Ion Ratio Lower Upper

64 100

66 0.0 26.2 39.4#

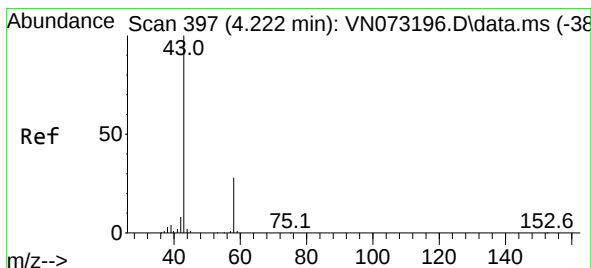
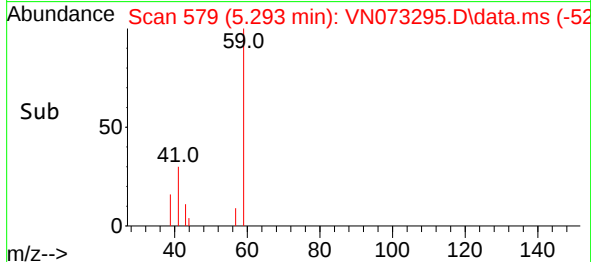
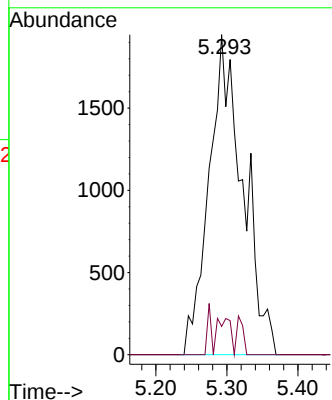
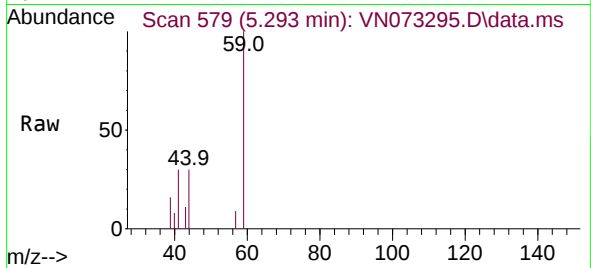




#11
Tert butyl alcohol
Concen: 6.078 ug/l
RT: 5.293 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

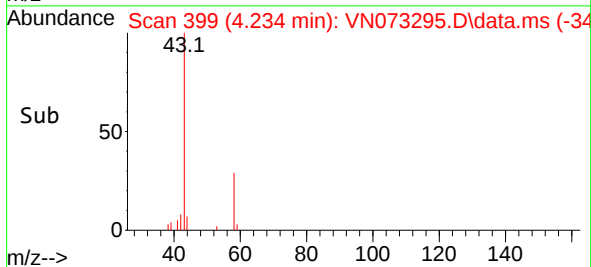
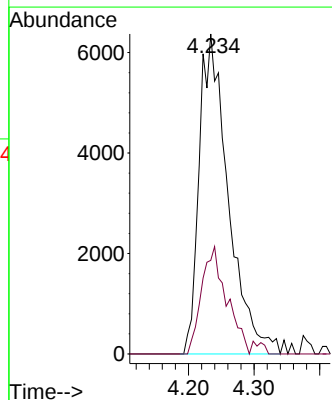
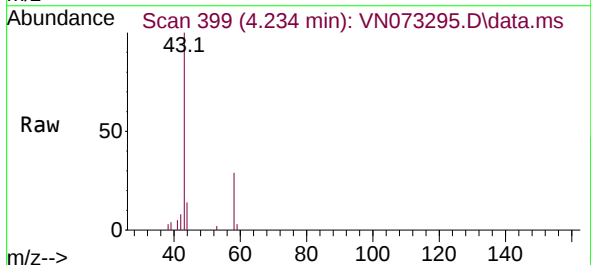
Instrument :
MSVOA_N
ClientSampleId :
EB01-20220623

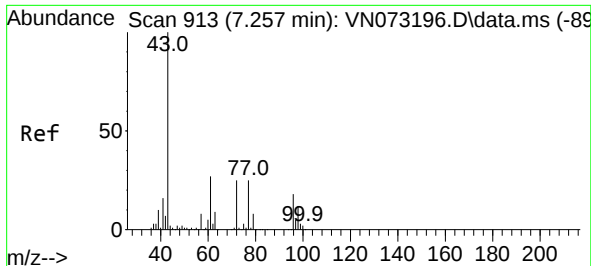
Tgt Ion: 59 Resp: 6446
Ion Ratio Lower Upper
59 100
57 4.5 8.3 12.5#



#16
Acetone
Concen: 7.988 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

Tgt Ion: 43 Resp: 19629
Ion Ratio Lower Upper
43 100
58 29.3 26.0 39.0

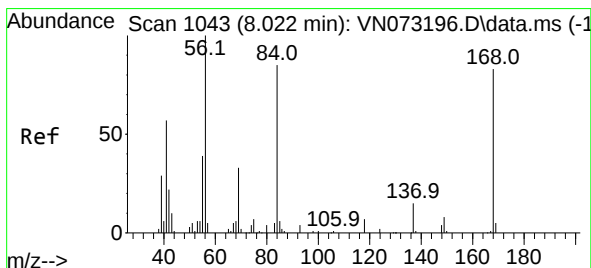
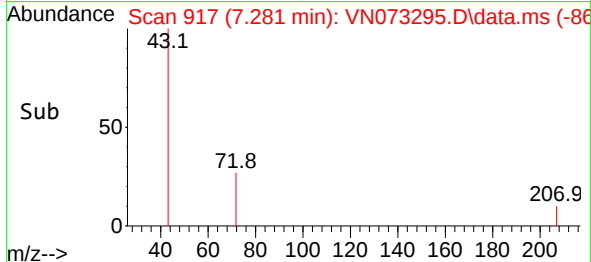
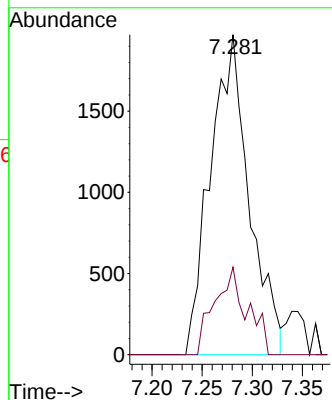
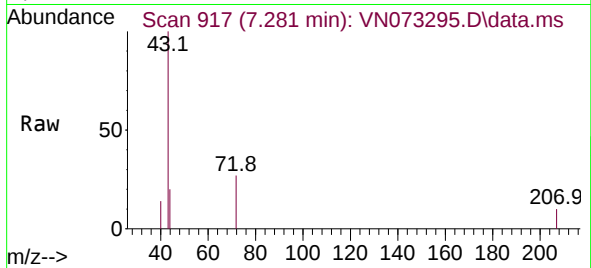




#25
2-Butanone
Concen: 1.357 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.024 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

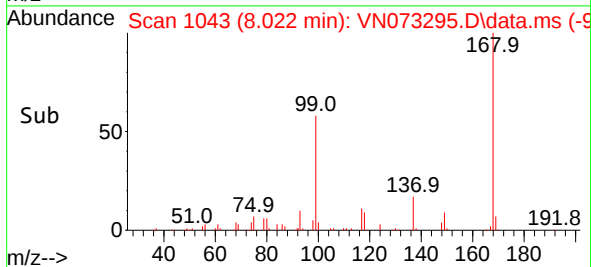
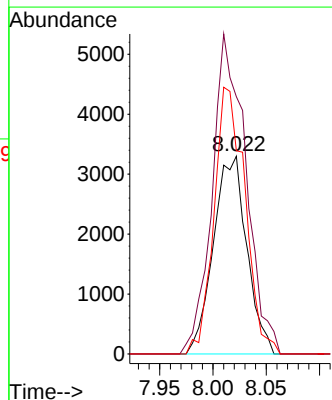
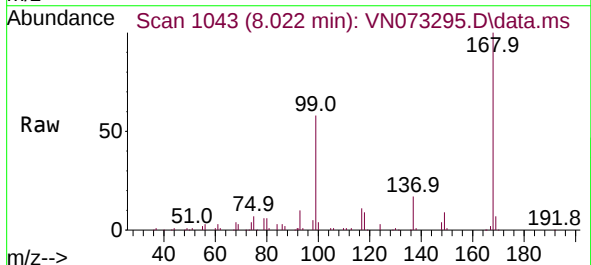
Instrument :
MSVOA_N
ClientSampleId :
EB01-20220623

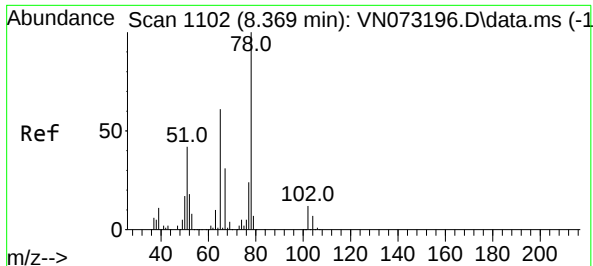
Tgt Ion: 43 Resp: 5309
Ion Ratio Lower Upper
43 100
72 27.3 23.7 35.5



#31
Cyclohexane
Concen: 1.003 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

Tgt Ion: 56 Resp: 7194
Ion Ratio Lower Upper
56 100
69 130.1 27.8 41.8#
84 102.8 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 42.946 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073295.D

Acq: 01 Jul 2022 14:22

Instrument :

MSVOA_N

ClientSampleId :

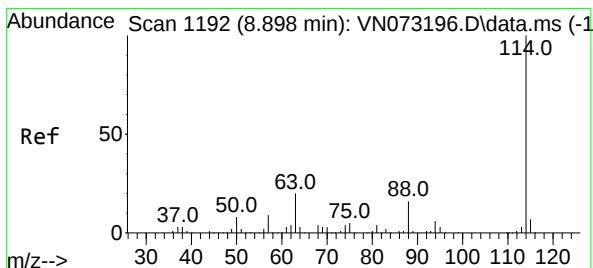
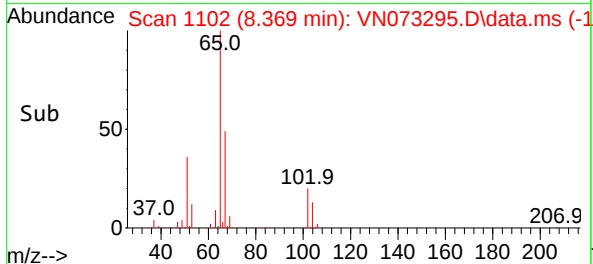
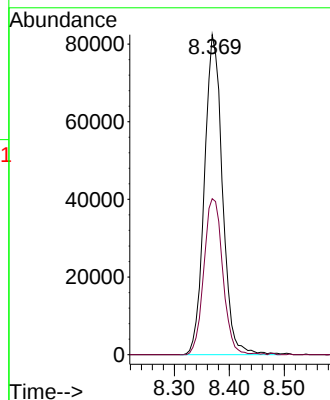
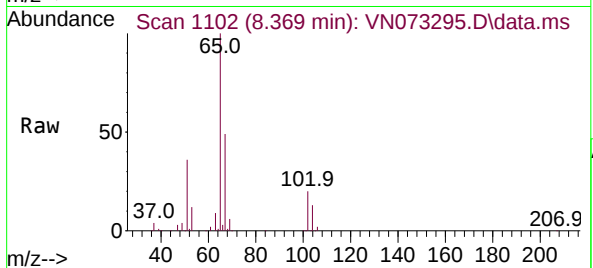
EB01-20220623

Tgt Ion: 65 Resp: 188015

Ion Ratio Lower Upper

65 100

67 50.9 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: VN073295.D

Acq: 01 Jul 2022 14:22

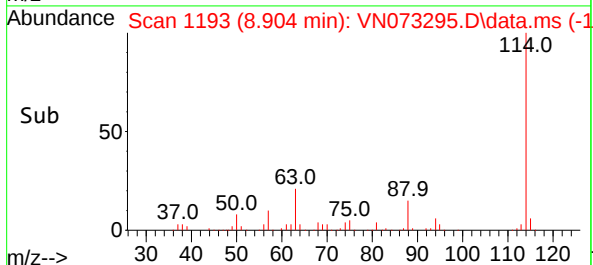
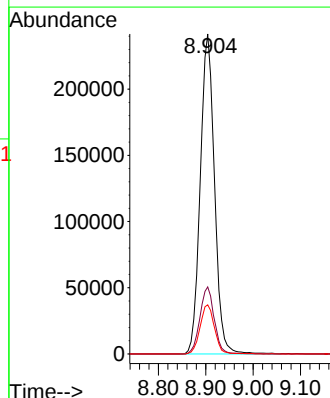
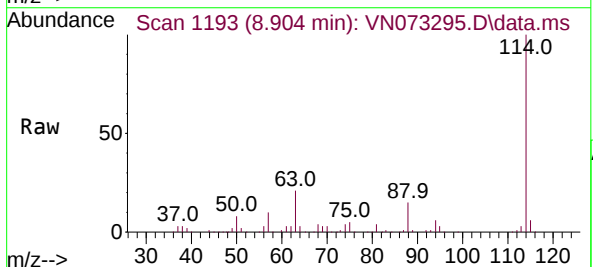
Tgt Ion: 114 Resp: 502930

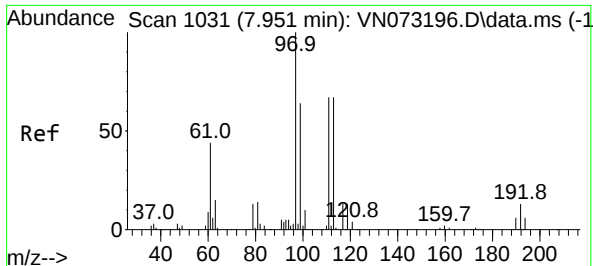
Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.0

88 15.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.900 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073295.D

Acq: 01 Jul 2022 14:22

Instrument :

MSVOA_N

ClientSampleId :

EB01-20220623

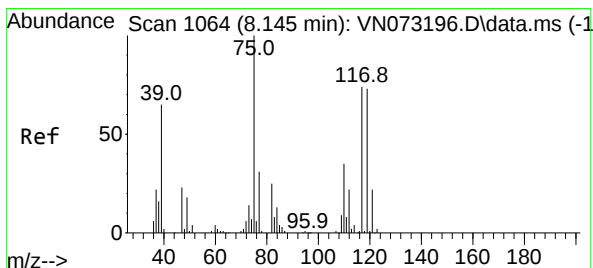
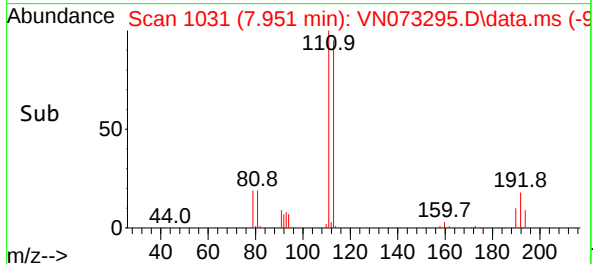
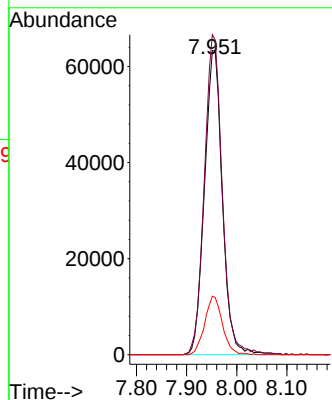
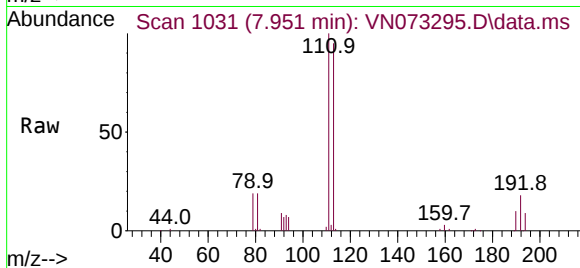
Tgt Ion:113 Resp: 156930

Ion Ratio Lower Upper

113 100

111 105.5 81.4 122.0

192 19.1 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.601 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073295.D

Acq: 01 Jul 2022 14:22

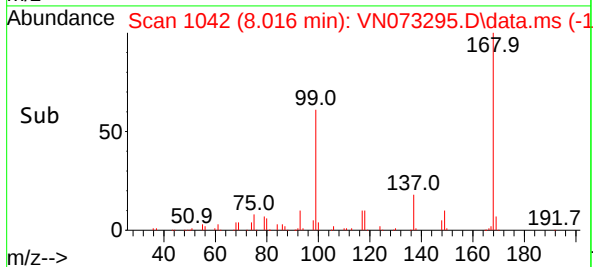
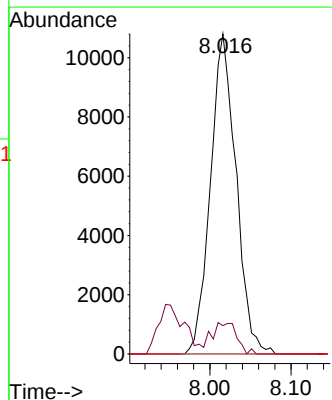
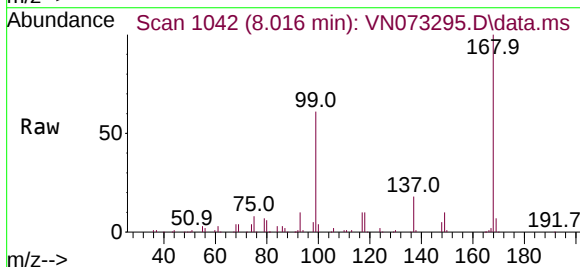
Tgt Ion: 75 Resp: 23688

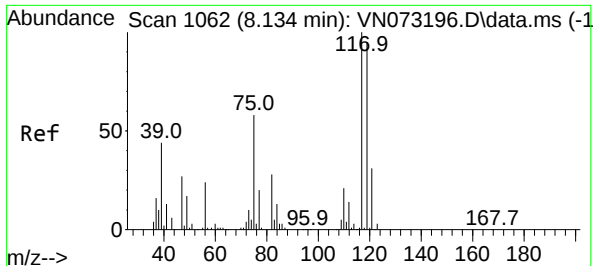
Ion Ratio Lower Upper

75 100

110 9.5 18.3 54.8#

77 0.0 25.1 37.7#

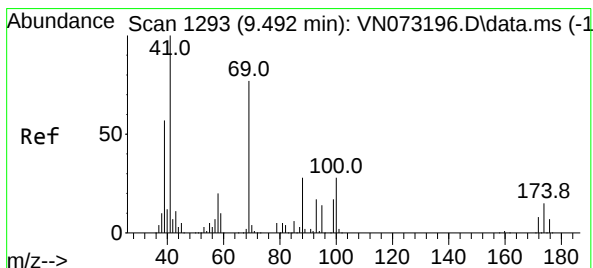
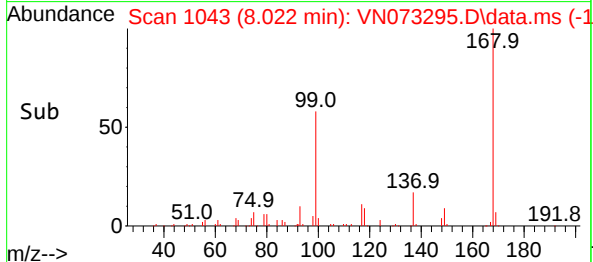
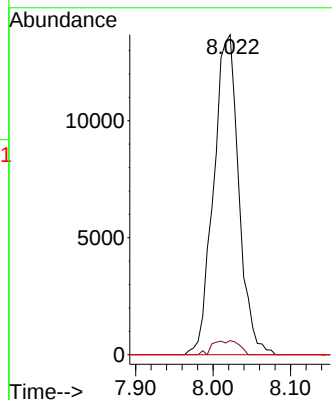
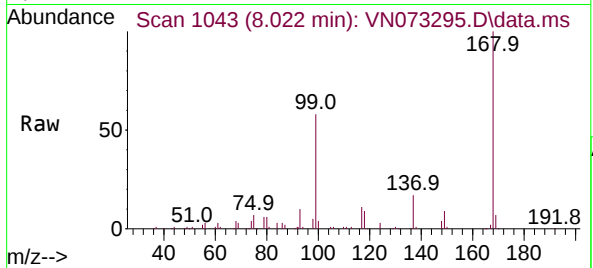




#38
Carbon Tetrachloride
Concen: 5.800 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

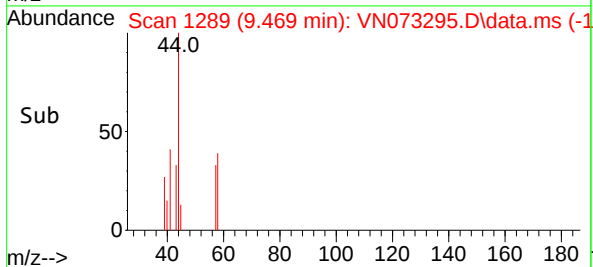
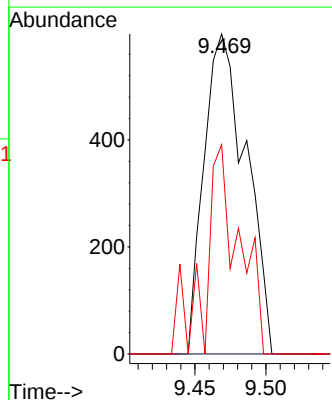
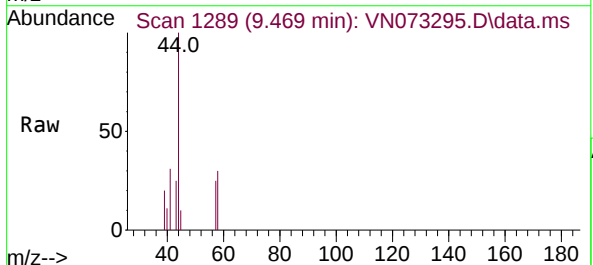
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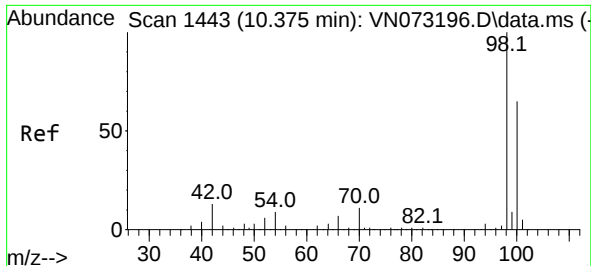
Tgt Ion:117 Resp: 30883
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 0.238 ug/l
RT: 9.469 min Scan# 1289
Delta R.T. -0.023 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

Tgt Ion: 41 Resp: 1231
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 48.0 45.6 68.4

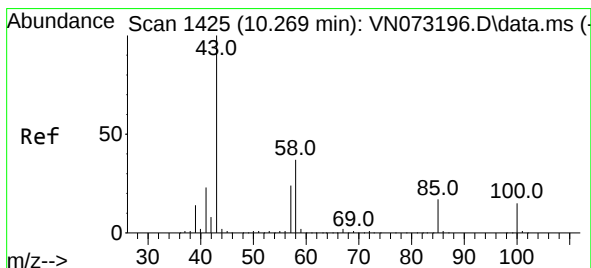
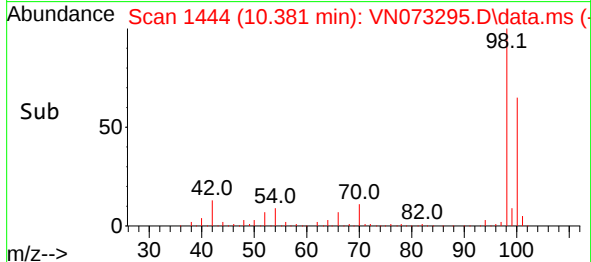
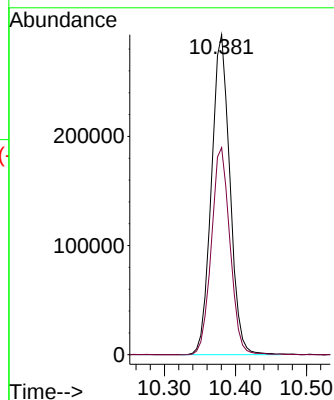
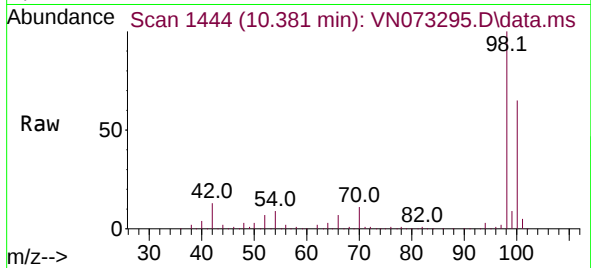




#50
Toluene-d8
Concen: 44.475 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

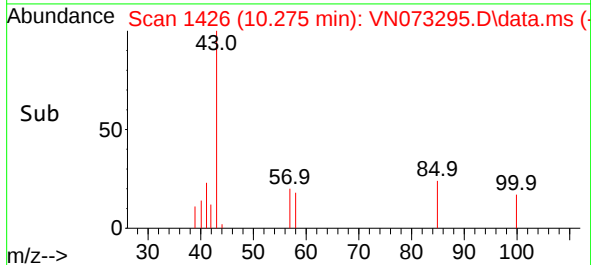
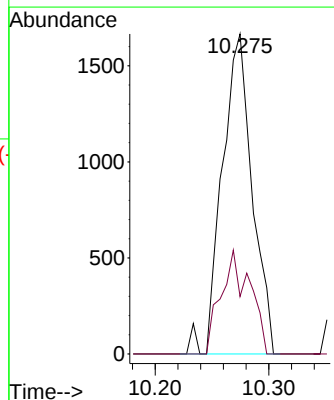
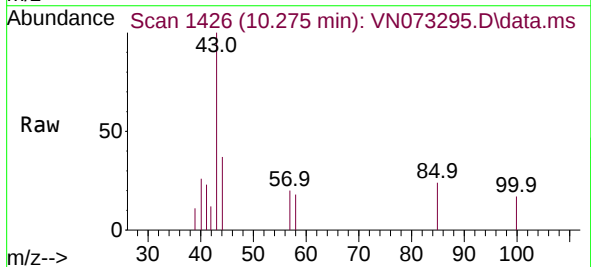
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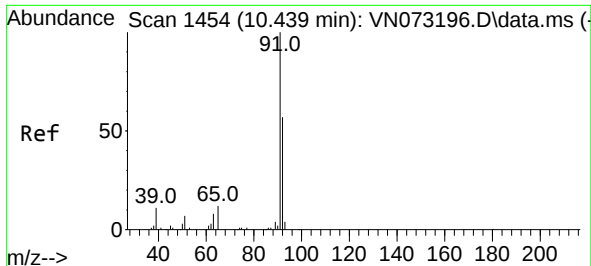
Tgt Ion: 98 Resp: 528547
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.431 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

Tgt Ion: 43 Resp: 3056
Ion Ratio Lower Upper
43 100
58 31.3 34.1 51.1#

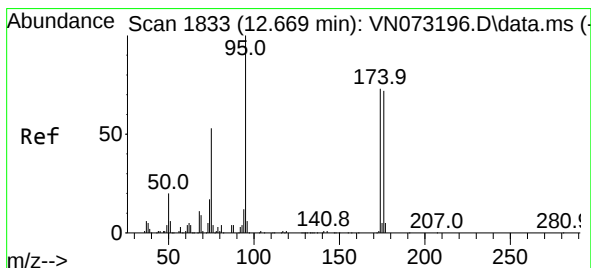
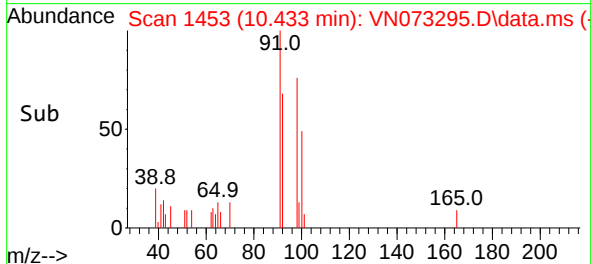
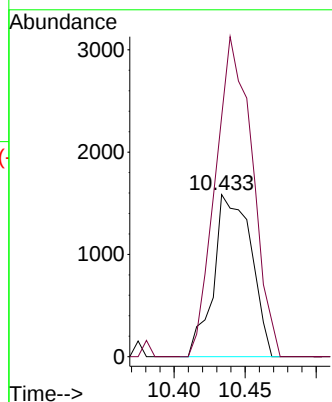
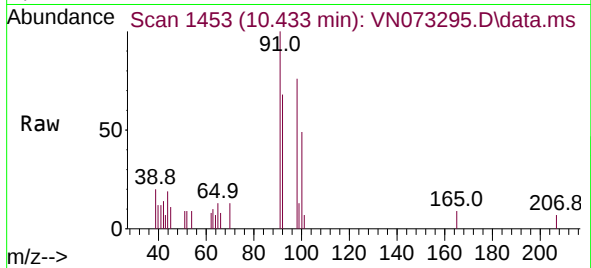




#52
Toluene
Concen: 0.296 ug/l
RT: 10.433 min Scan# 1453
Delta R.T. -0.006 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

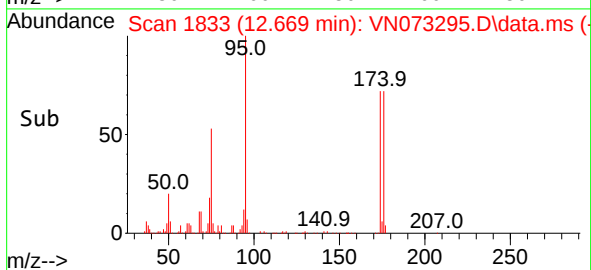
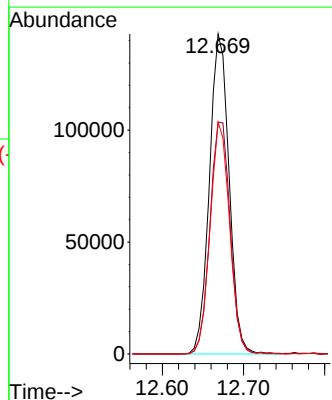
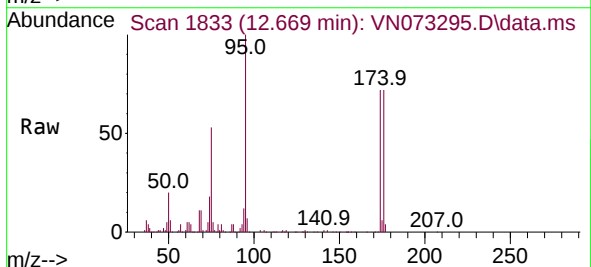
Instrument :
MSVOA_N
ClientSampleId :
EB01-20220623

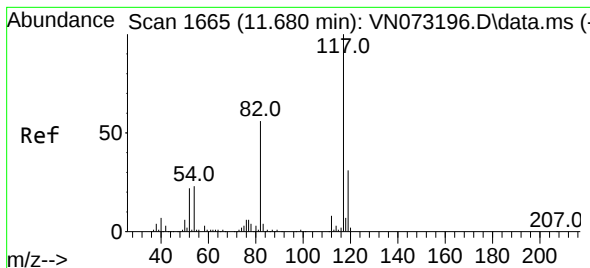
Tgt Ion: 92 Resp: 2902
Ion Ratio Lower Upper
92 100
91 194.9 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 52.641 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

Tgt Ion: 95 Resp: 240413
Ion Ratio Lower Upper
95 100
174 74.6 0.0 167.6
176 71.9 0.0 163.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.686 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN073295.D

Acq: 01 Jul 2022 14:22

Instrument :

MSVOA_N

ClientSampleId :

EB01-20220623

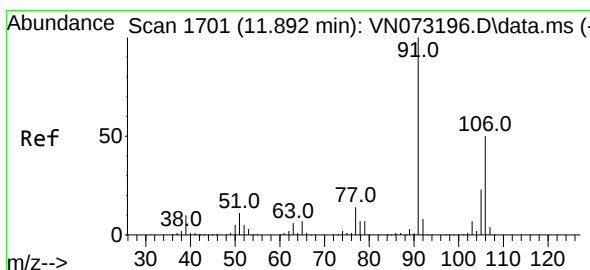
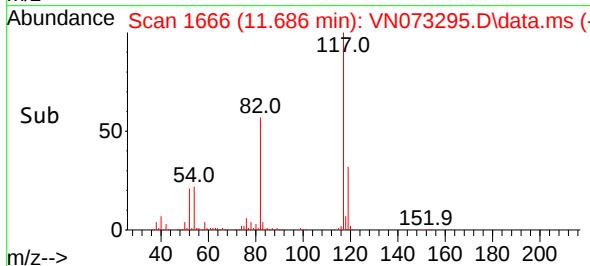
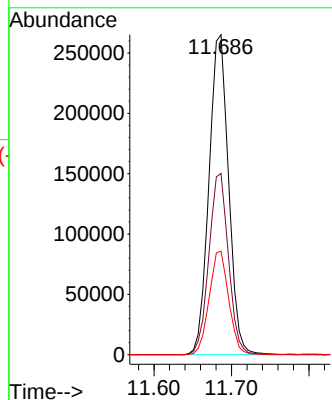
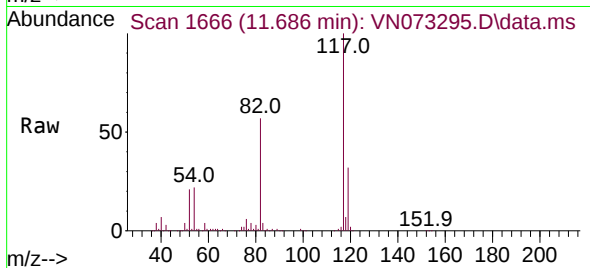
Tgt Ion:117 Resp: 466162

Ion Ratio Lower Upper

117 100

82 56.6 44.2 66.2

119 32.4 25.4 38.0



#68

m/p-Xylenes

Concen: 0.254 ug/l

RT: 11.892 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VN073295.D

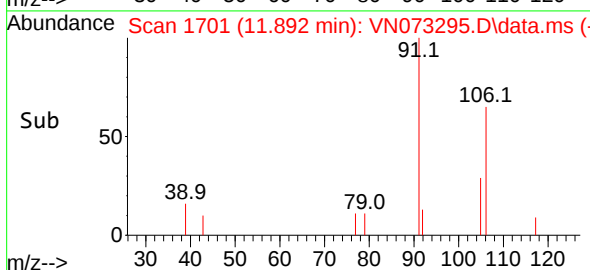
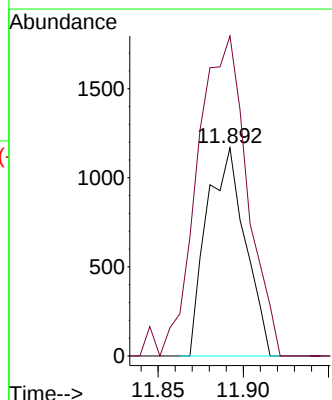
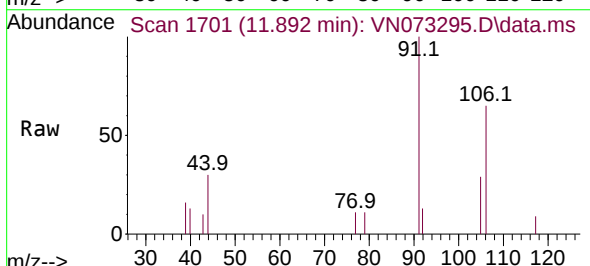
Acq: 01 Jul 2022 14:22

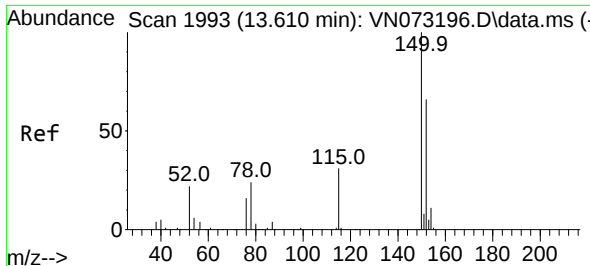
Tgt Ion:106 Resp: 1832

Ion Ratio Lower Upper

106 100

91 201.4 158.9 238.3

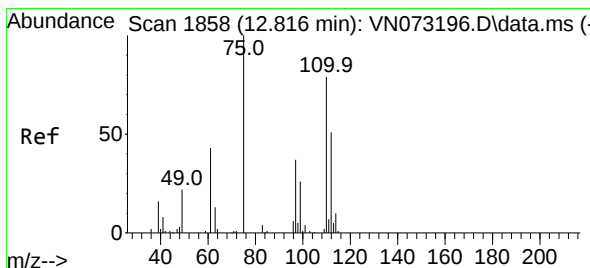
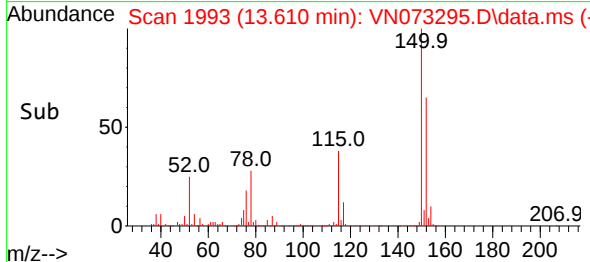
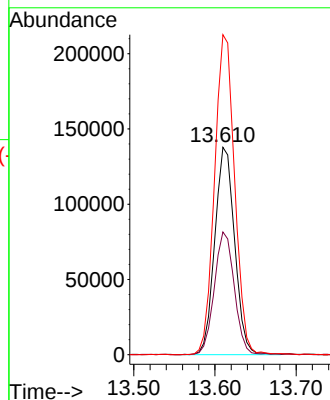
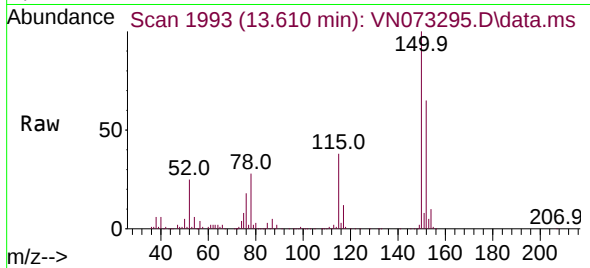




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

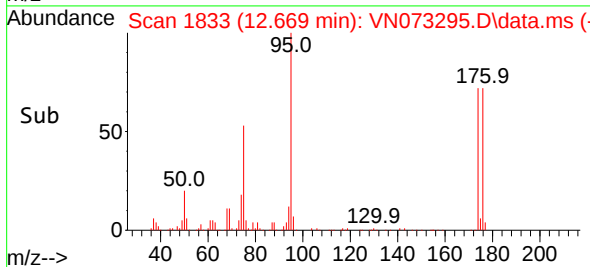
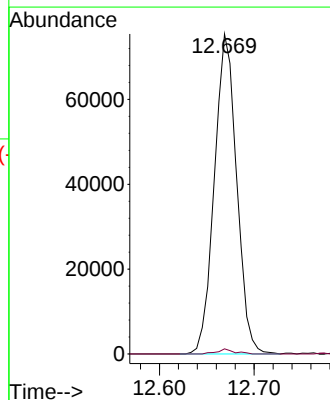
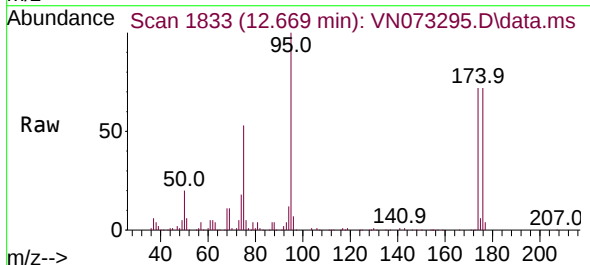
Instrument :
MSVOA_N
ClientSampleId :
EB01-20220623

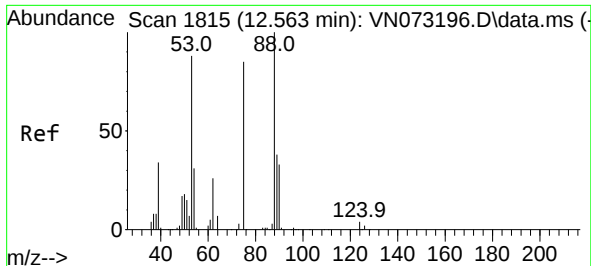
Tgt Ion:152 Resp: 234873
Ion Ratio Lower Upper
152 100
115 59.8 28.9 86.7
150 156.2 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 20.119 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

Tgt Ion: 75 Resp: 123559
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#

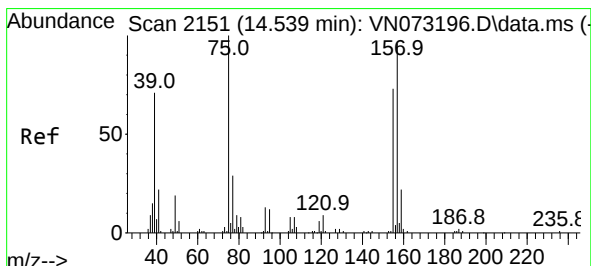
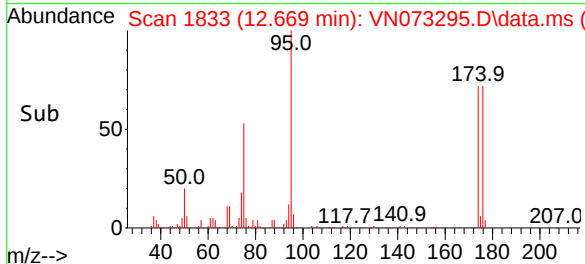
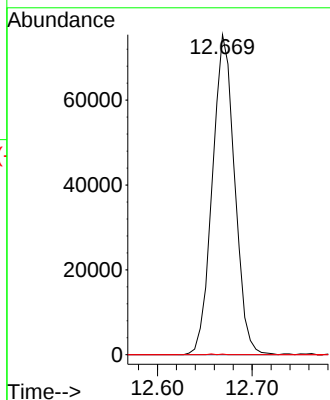
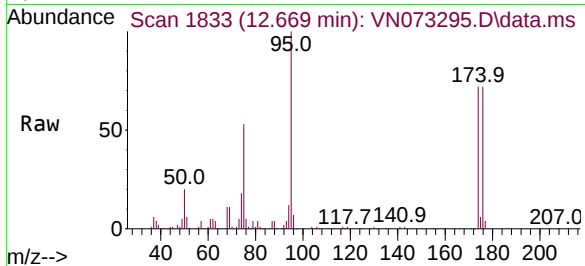




#81
trans-1,4-Dichloro-2-butene
Concen: 55.175 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

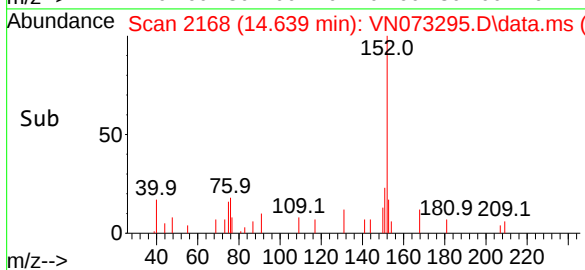
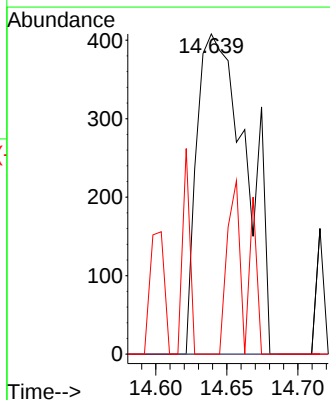
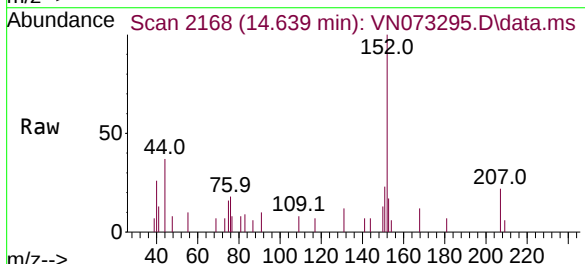
Instrument :
MSVOA_N
ClientSampleId :
EB01-20220623

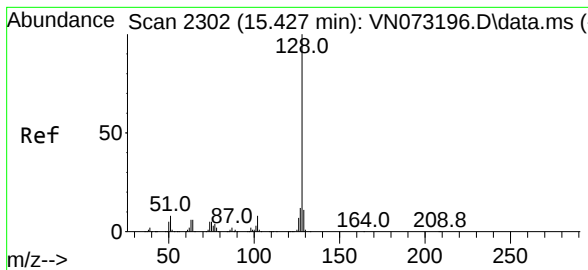
Tgt Ion: 75 Resp: 123559
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.1 37.2 55.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.606 ug/l
RT: 14.639 min Scan# 2168
Delta R.T. 0.100 min
Lab File: VN073295.D
Acq: 01 Jul 2022 14:22

Tgt Ion: 75 Resp: 991
Ion Ratio Lower Upper
75 100
155 0.0 44.9 134.5#
157 20.8 59.0 176.8#





#95
 Naphthalene
 Concen: 1.277 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073295.D
 Acq: 01 Jul 2022 14:22

Instrument :
 MSVOA_N
 ClientSampleId :
 EB01-20220623

Tgt Ion:	128	Resp:	23113
Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.3	15.5
129	12.1	8.6	13.0

