

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070122\
 Data File : VN073296.D
 Acq On : 01 Jul 2022 14:47
 Operator : JC\MD
 Sample : N3485-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FB01-20220623

Quant Time: Jul 04 05:05:06 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)

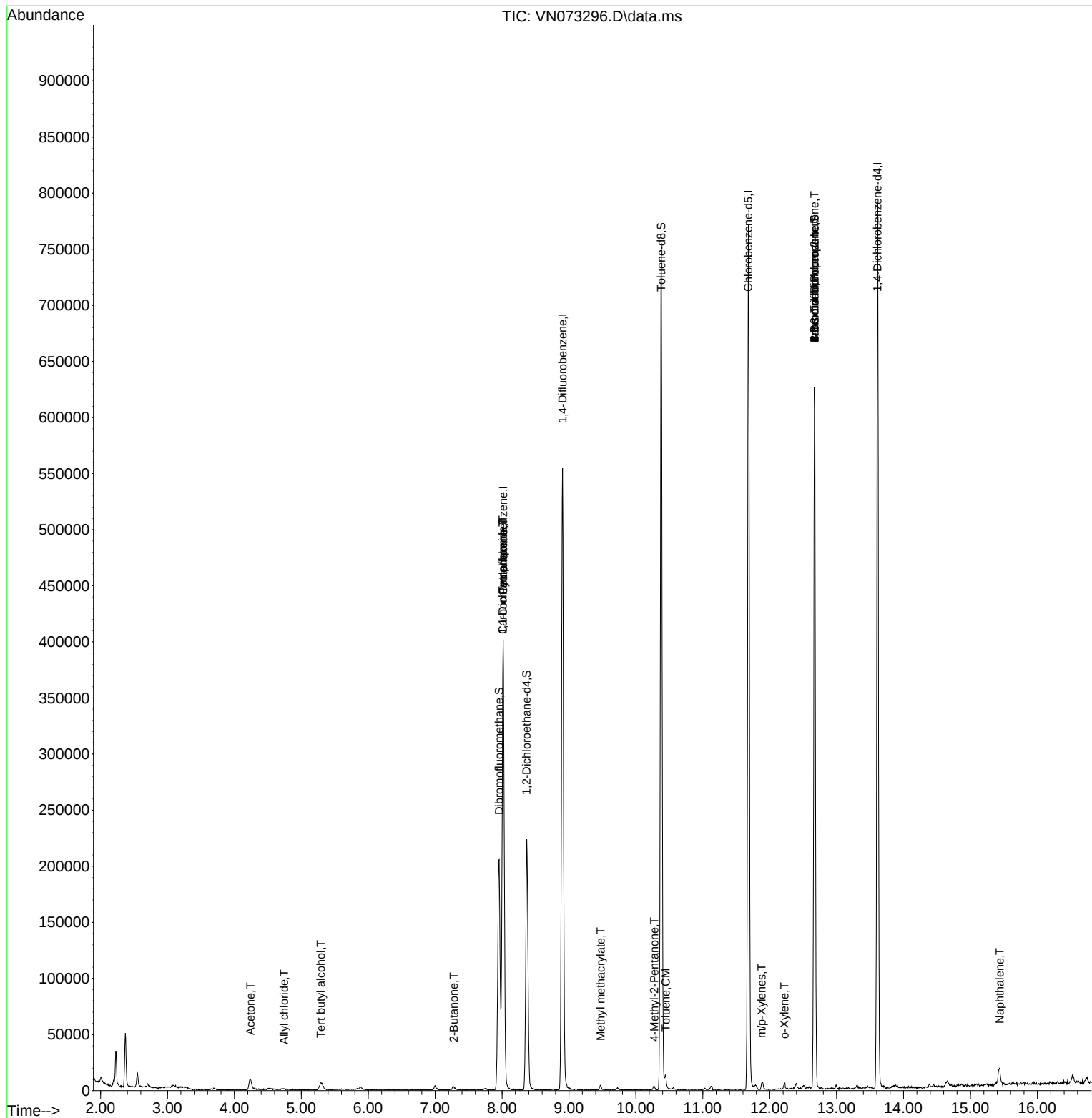
Internal Standards						
1) Pentafluorobenzene	8.016	168	301643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	491362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	448269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	208231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	186794	42.896	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.800%		
35) Dibromofluoromethane	7.957	113	156162	47.769	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.540%		
50) Toluene-d8	10.380	98	517160	44.542	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.080%		
62) 4-Bromofluorobenzene	12.669	95	221354	49.609	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.220%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.293	59	12785	12.120	ug/l #	86
14) Allyl chloride	4.746	41	2166	0.290	ug/l #	33
16) Acetone	4.240	43	18543	7.586	ug/l	96
25) 2-Butanone	7.281	43	5407	1.389	ug/l	93
31) Cyclohexane	8.016	56	6690	0.938	ug/l #	26
36) 1,1-Dichloropropene	8.010	75	24693	4.909	ug/l #	48
38) Carbon Tetrachloride	8.010	117	29969	5.761	ug/l #	16
48) Methyl methacrylate	9.475	41	1317	0.260	ug/l #	34
51) 4-Methyl-2-Pentanone	10.275	43	2774	0.400	ug/l	91
52) Toluene	10.445	92	4088	0.426	ug/l	99
68) m/p-Xylenes	11.880	106	2318	0.334	ug/l	94
69) o-Xylene	12.222	106	1784	0.252	ug/l	86
71) Bromoform	12.669	173	1760	0.645	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	114775	21.080	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	114775	57.810	ug/l #	10
95) Naphthalene	15.439	128	15452	0.963	ug/l	96

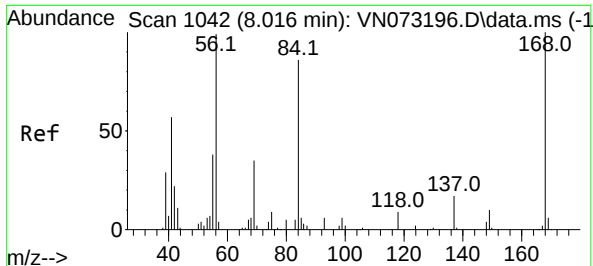
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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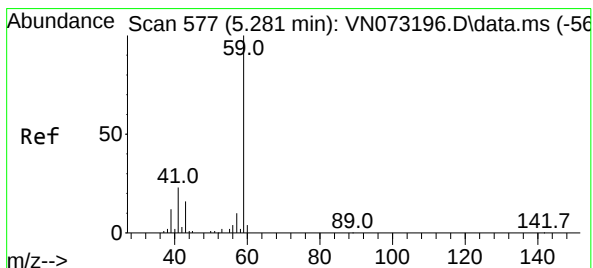
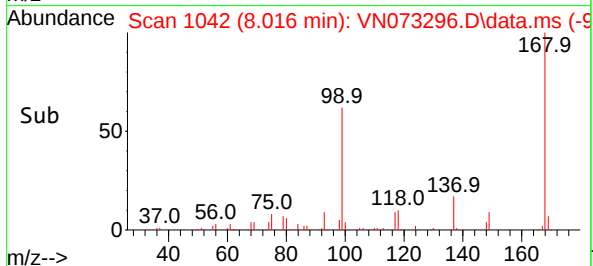
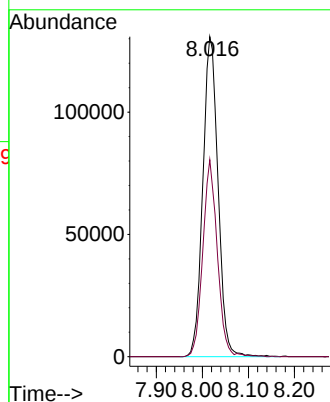
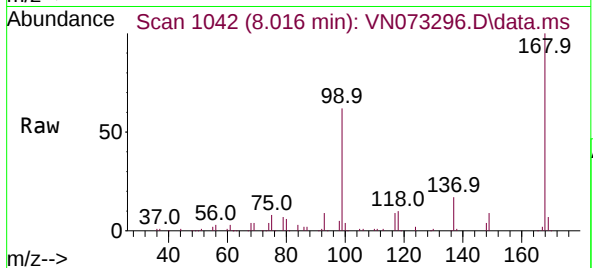




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

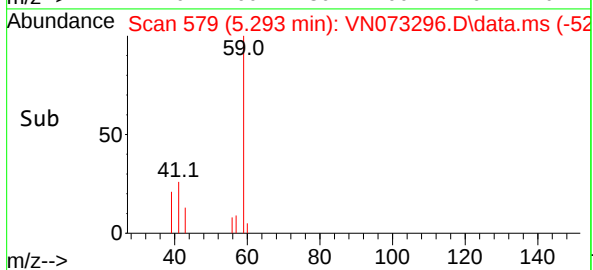
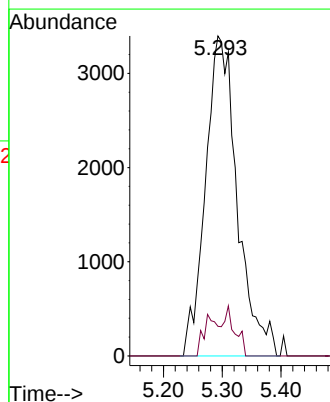
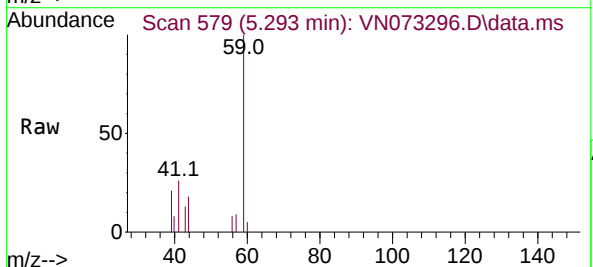
Instrument :
MSVOA_N
ClientSampleId :
FB01-20220623

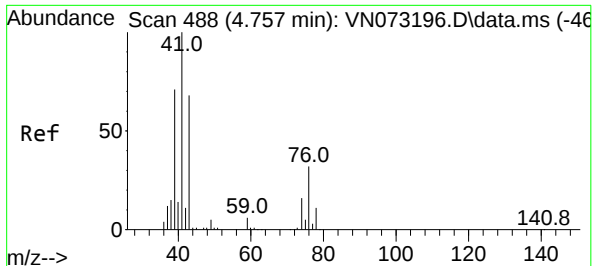
Tgt Ion:168 Resp: 301643
Ion Ratio Lower Upper
168 100
99 61.6 42.3 63.5



#11
Tert butyl alcohol
Concen: 12.120 ug/l
RT: 5.293 min Scan# 579
Delta R.T. 0.012 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

Tgt Ion: 59 Resp: 12785
Ion Ratio Lower Upper
59 100
57 5.2 8.3 12.5#

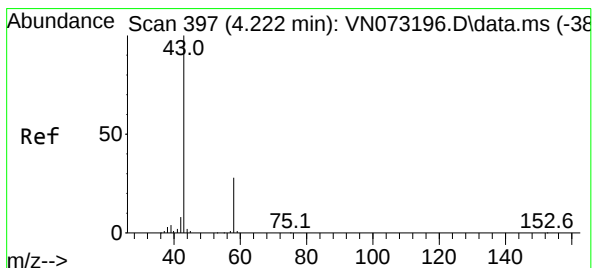
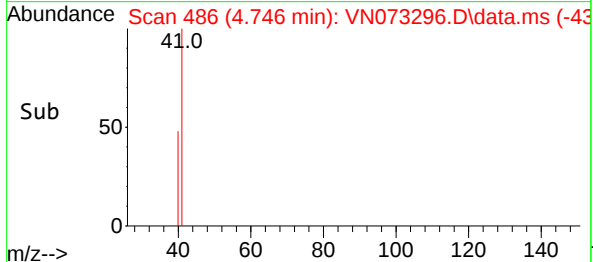
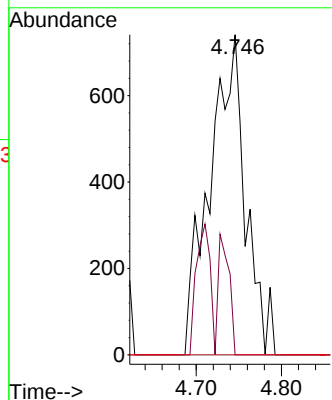
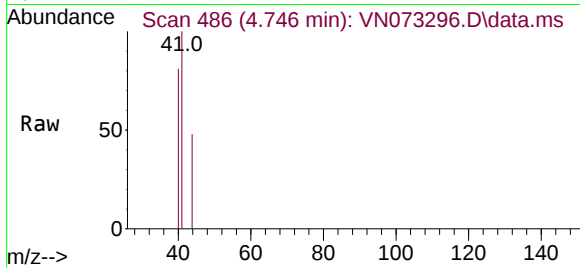




#14
 Allyl chloride
 Concen: 0.290 ug/l
 RT: 4.746 min Scan# 41
 Delta R.T. -0.011 min
 Lab File: VN073296.D
 Acq: 01 Jul 2022 14:47

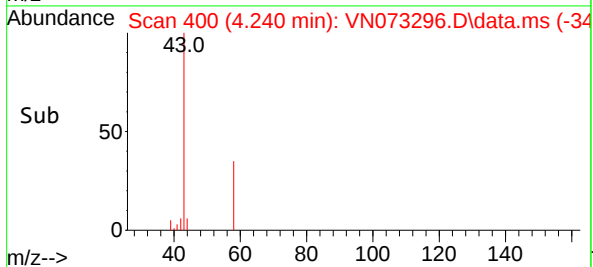
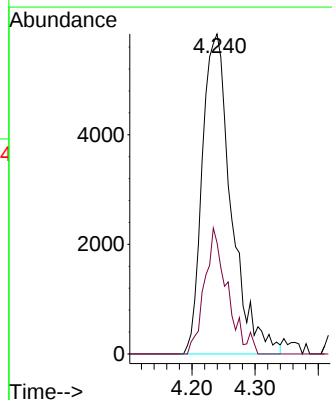
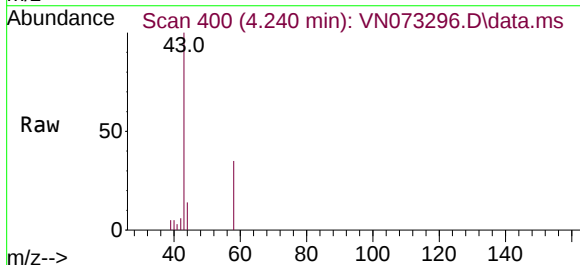
Instrument :
 MSVOA_N
 ClientSampleId :
 FB01-20220623

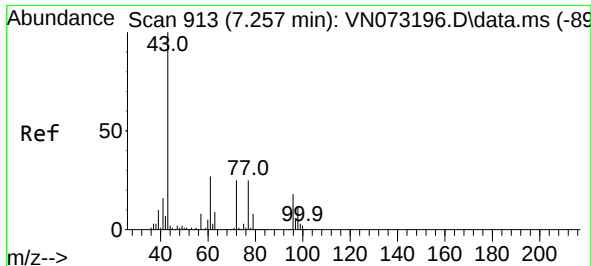
Tgt Ion: 41 Resp: 2166
 Ion Ratio Lower Upper
 41 100
 39 11.4 53.2 79.8#
 76 0.0 29.9 44.9#



#16
 Acetone
 Concen: 7.586 ug/l
 RT: 4.240 min Scan# 400
 Delta R.T. 0.018 min
 Lab File: VN073296.D
 Acq: 01 Jul 2022 14:47

Tgt Ion: 43 Resp: 18543
 Ion Ratio Lower Upper
 43 100
 58 34.8 26.0 39.0

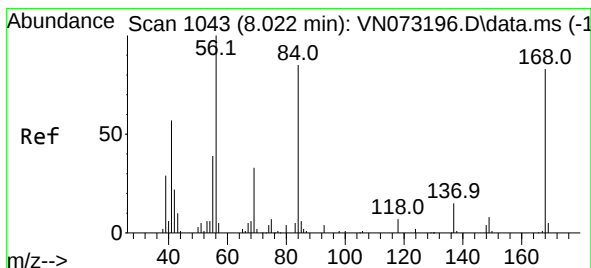
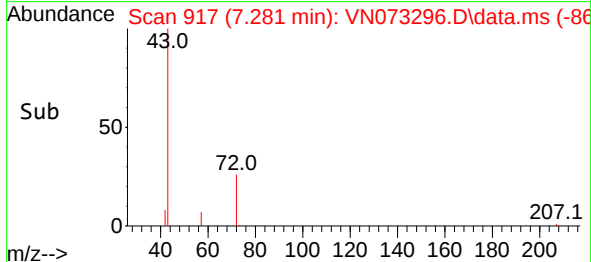
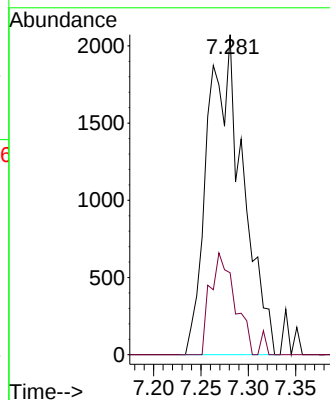
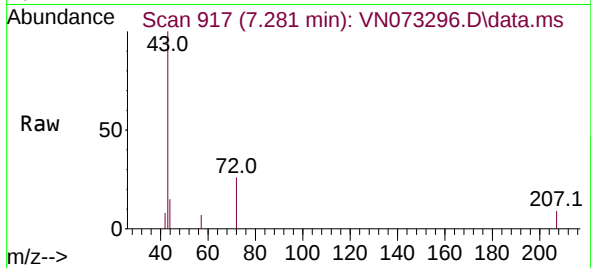




#25
2-Butanone
Concen: 1.389 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.024 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

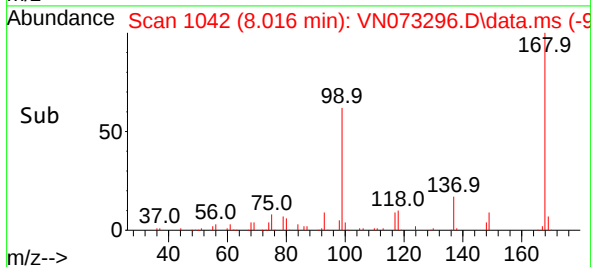
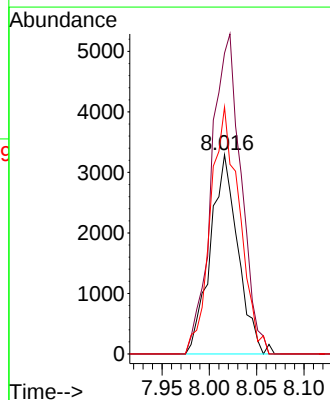
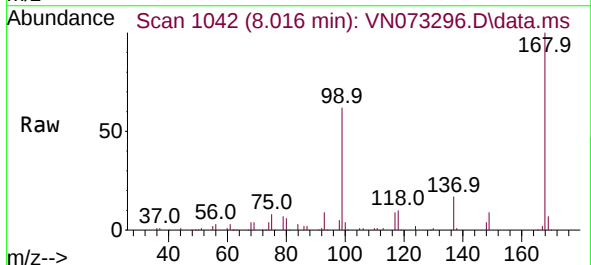
Instrument :
MSVOA_N
ClientSampleId :
FB01-20220623

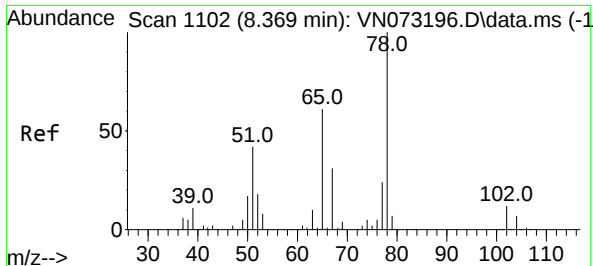
Tgt Ion: 43 Resp: 5407
Ion Ratio Lower Upper
43 100
72 25.6 23.7 35.5



#31
Cyclohexane
Concen: 0.938 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

Tgt Ion: 56 Resp: 6690
Ion Ratio Lower Upper
56 100
69 150.9 27.8 41.8#
84 123.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 42.896 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073296.D

Acq: 01 Jul 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

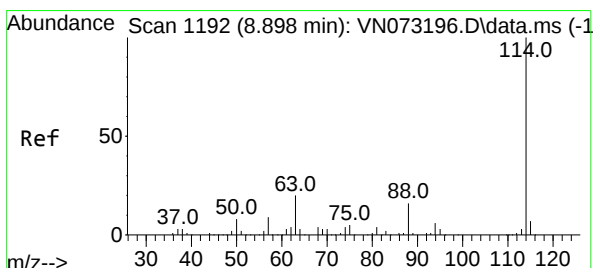
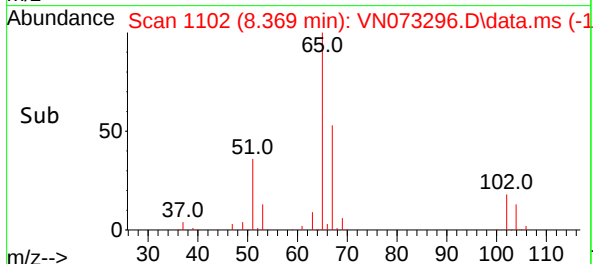
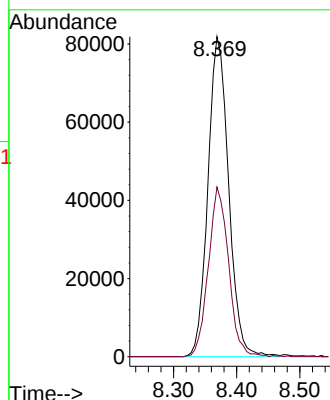
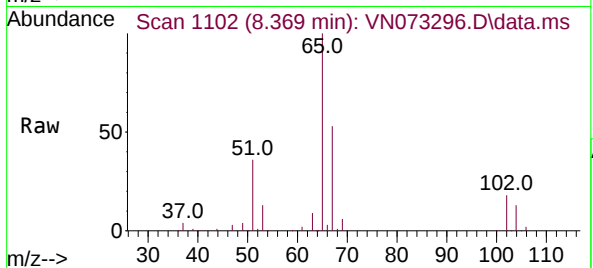
FB01-20220623

Tgt Ion: 65 Resp: 186794

Ion Ratio Lower Upper

65 100

67 51.7 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: VN073296.D

Acq: 01 Jul 2022 14:47

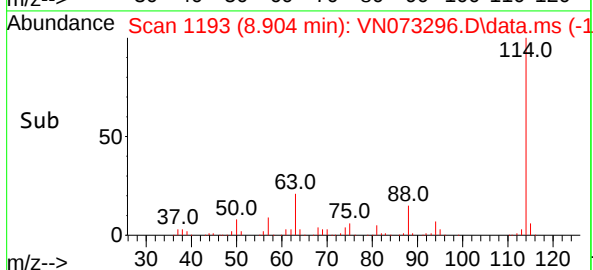
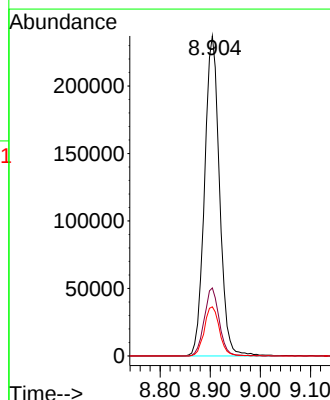
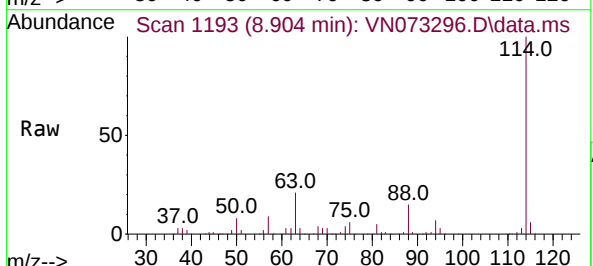
Tgt Ion: 114 Resp: 491362

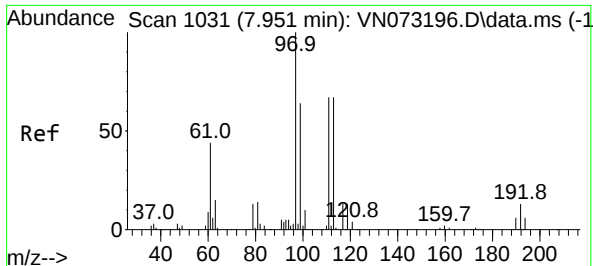
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.0

88 15.3 0.0 32.6

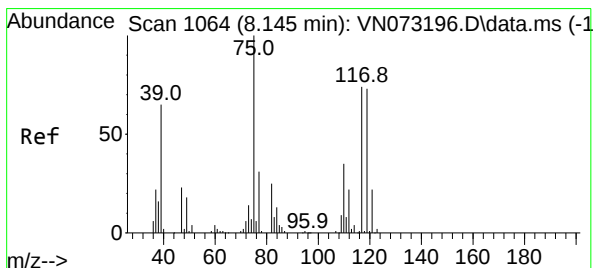
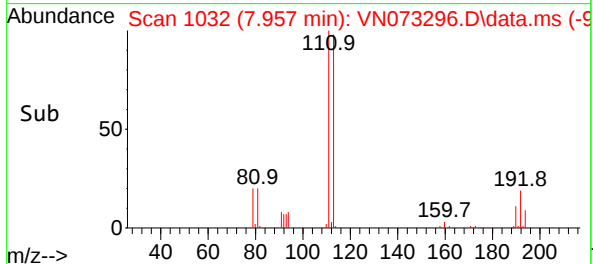
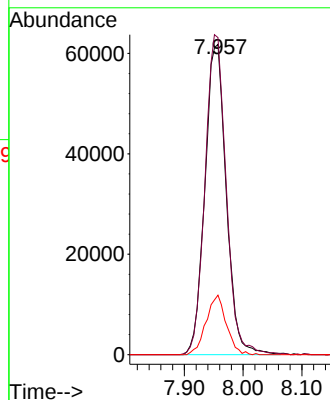
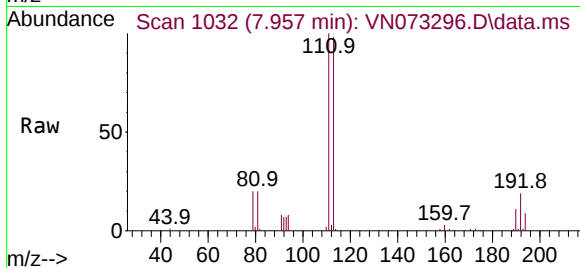




#35
Dibromofluoromethane
Concen: 47.769 ug/l
RT: 7.957 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

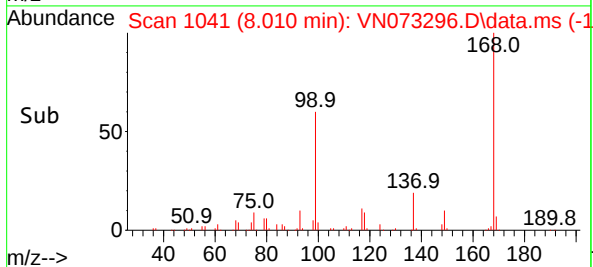
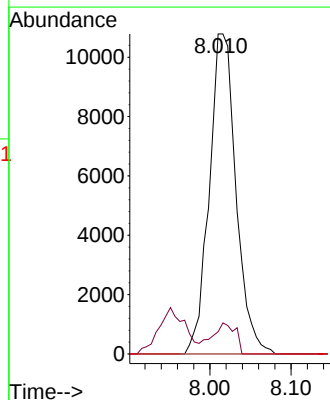
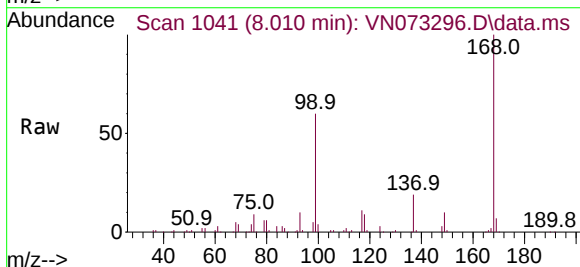
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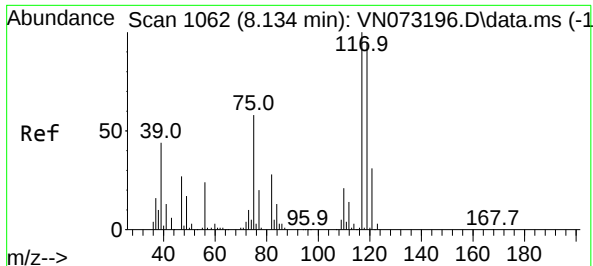
Tgt Ion:113 Resp: 156162
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 18.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.909 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.135 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

Tgt Ion: 75 Resp: 24693
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#

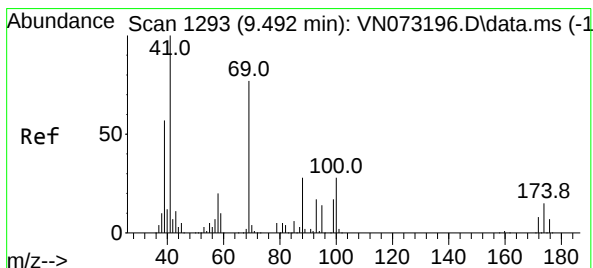
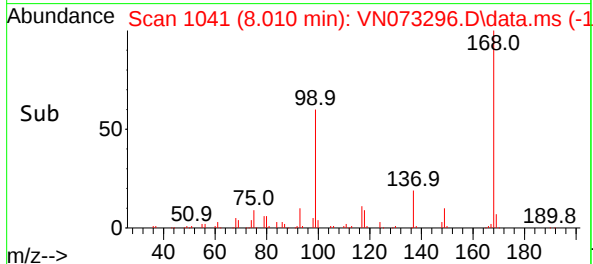
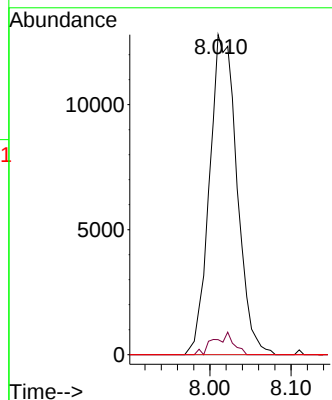
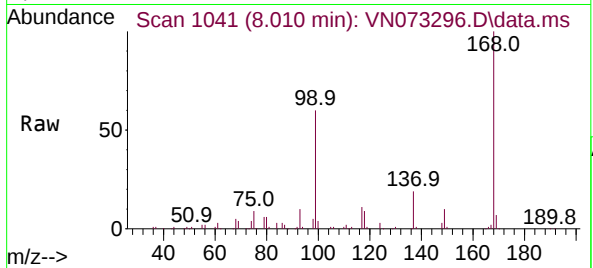




#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 8.010 min Scan# 1062
Delta R.T. -0.124 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

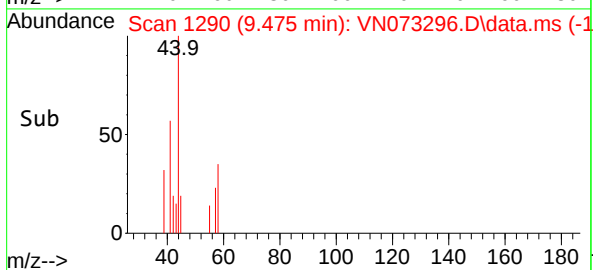
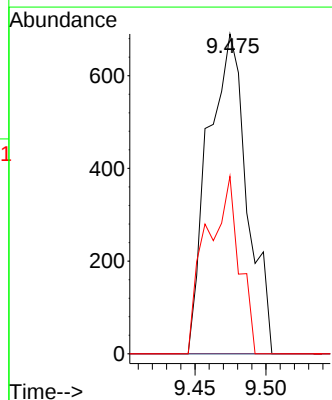
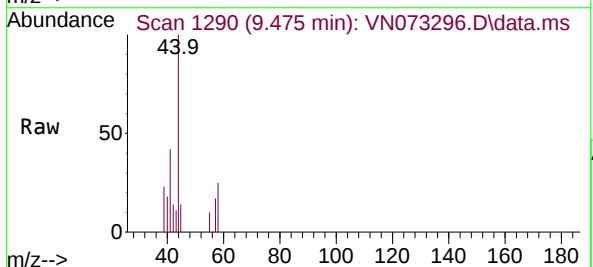
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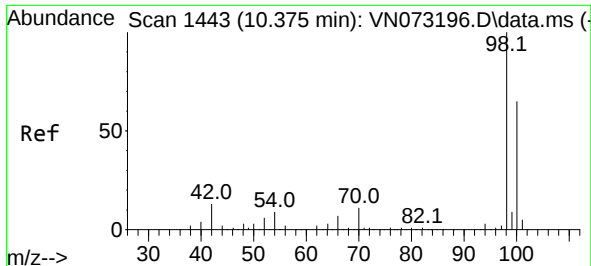
Tgt Ion:117 Resp: 29969
Ion Ratio Lower Upper
117 100
119 4.7 75.8 113.8#
121 0.0 24.6 37.0#



#48
Methyl methacrylate
Concen: 0.260 ug/l
RT: 9.475 min Scan# 1290
Delta R.T. -0.017 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

Tgt Ion: 41 Resp: 1317
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 46.5 45.6 68.4

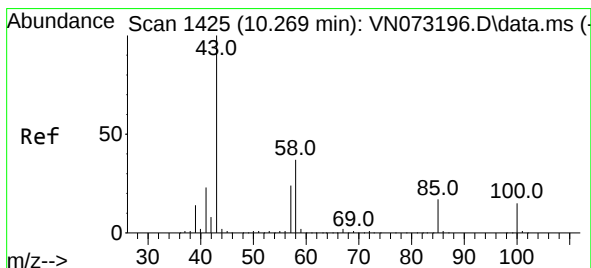
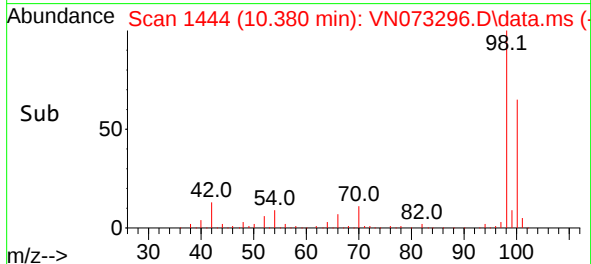
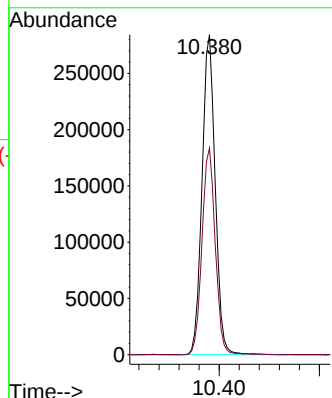
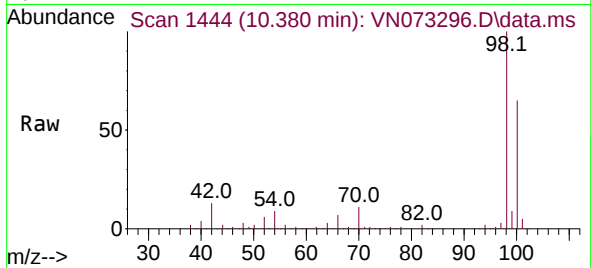




#50
Toluene-d8
Concen: 44.542 ug/l
RT: 10.380 min Scan# 1443
Delta R.T. 0.005 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

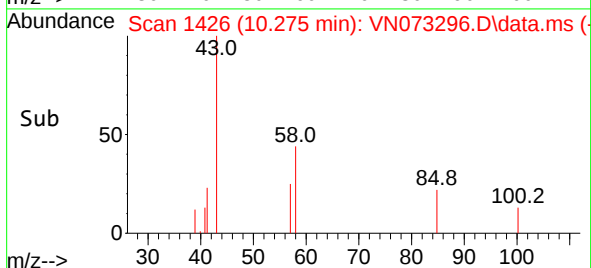
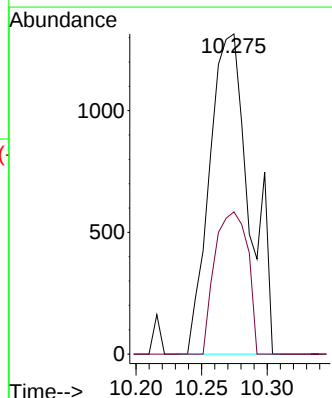
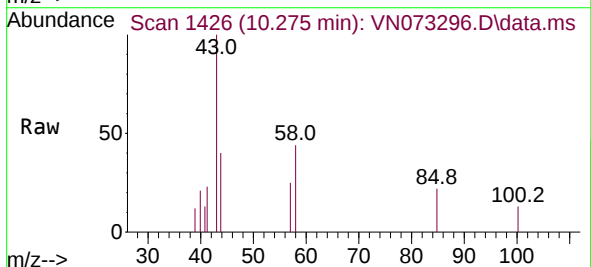
Instrument :
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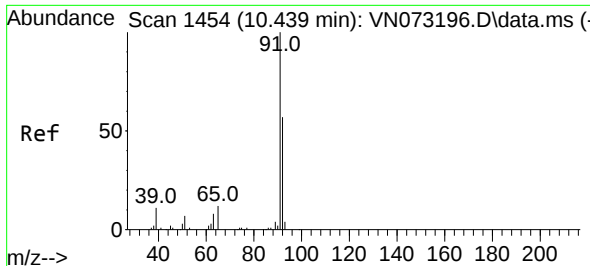
Tgt Ion: 98 Resp: 517160
Ion Ratio Lower Upper
98 100
100 65.3 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.400 ug/l
RT: 10.275 min Scan# 1426
Delta R.T. 0.006 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

Tgt Ion: 43 Resp: 2774
Ion Ratio Lower Upper
43 100
58 36.6 34.1 51.1

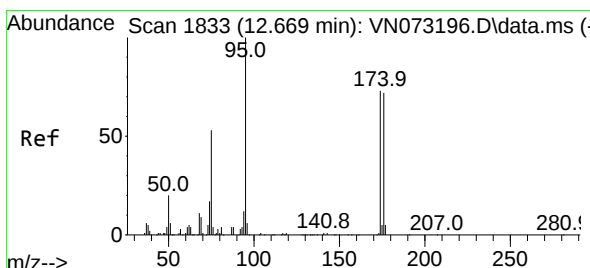
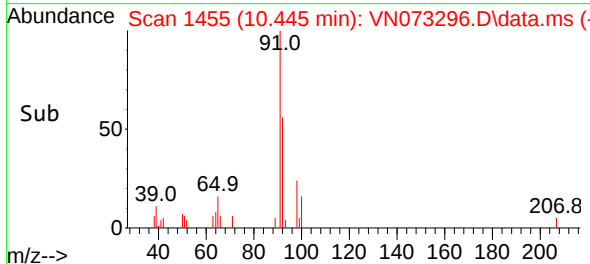
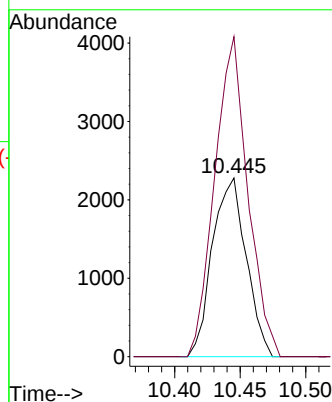
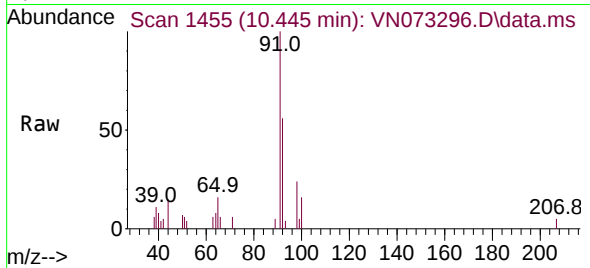




#52
Toluene
Concen: 0.426 ug/l
RT: 10.445 min Scan# 1454
Delta R.T. 0.006 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

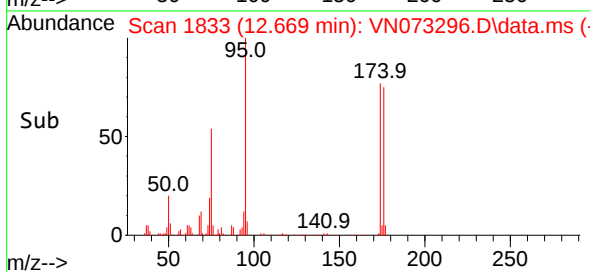
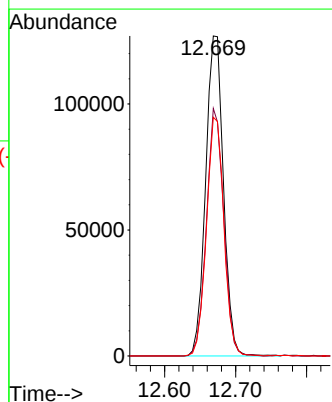
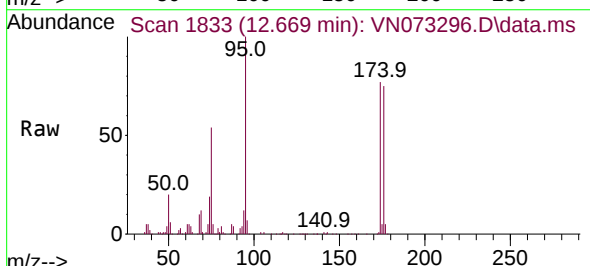
Instrument :
MSVOA_N
ClientSampleId :
FB01-20220623

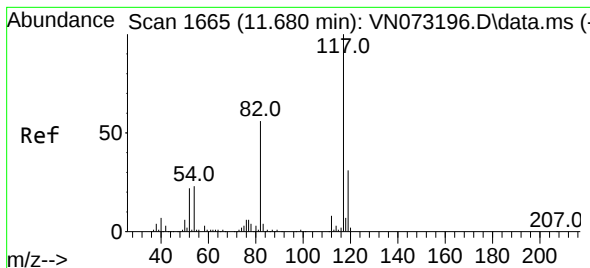
Tgt Ion: 92 Resp: 4088
Ion Ratio Lower Upper
92 100
91 175.2 138.6 207.8



#62
4-Bromofluorobenzene
Concen: 49.609 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

Tgt Ion: 95 Resp: 221354
Ion Ratio Lower Upper
95 100
174 75.2 0.0 167.6
176 73.2 0.0 163.4

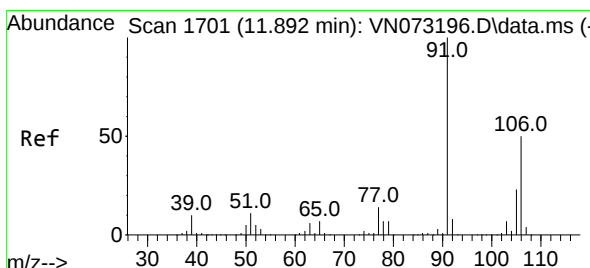
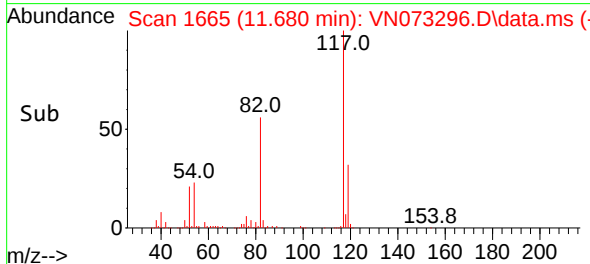
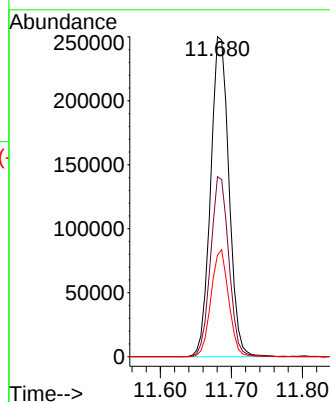
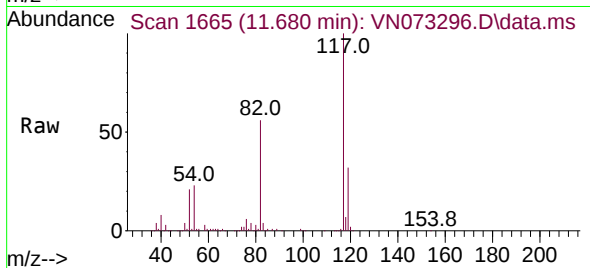




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

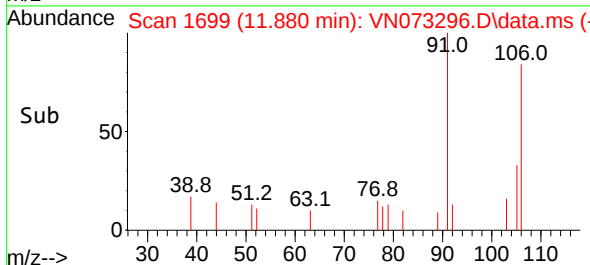
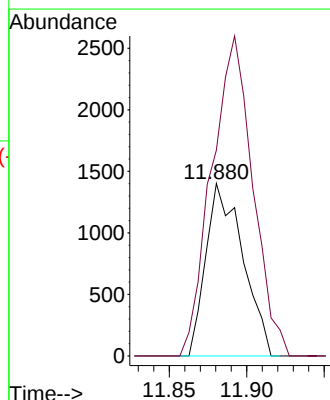
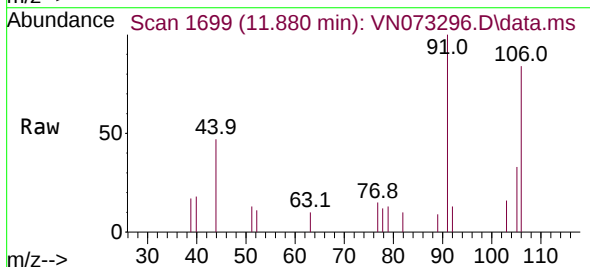
Instrument :
MSVOA_N
ClientSampleId :
FB01-20220623

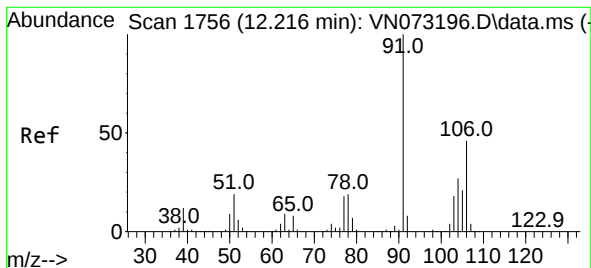
Tgt Ion:117 Resp: 448269
Ion Ratio Lower Upper
117 100
82 56.2 44.2 66.2
119 31.7 25.4 38.0



#68
m/p-Xylenes
Concen: 0.334 ug/l
RT: 11.880 min Scan# 1699
Delta R.T. -0.012 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

Tgt Ion:106 Resp: 2318
Ion Ratio Lower Upper
106 100
91 207.2 158.9 238.3





#69

o-Xylene

Concen: 0.252 ug/l

RT: 12.222 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN073296.D

Acq: 01 Jul 2022 14:47

Instrument :

MSVOA_N

ClientSampleId :

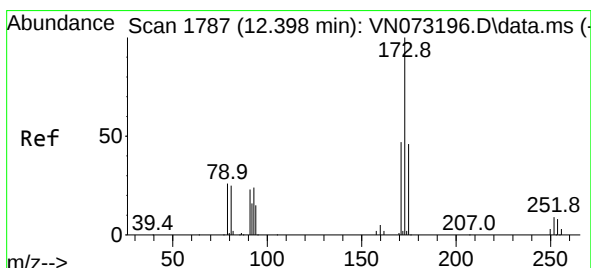
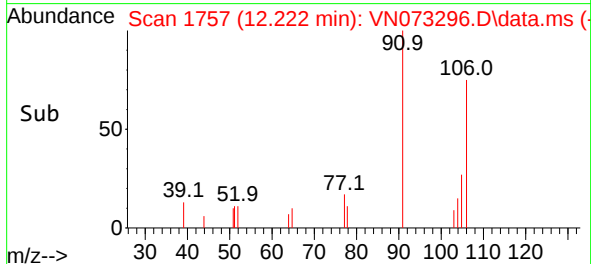
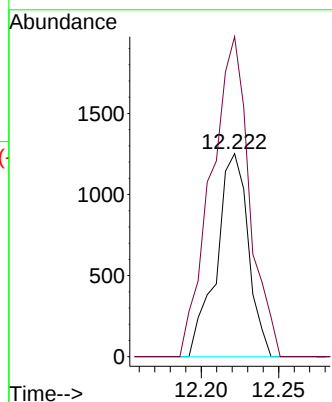
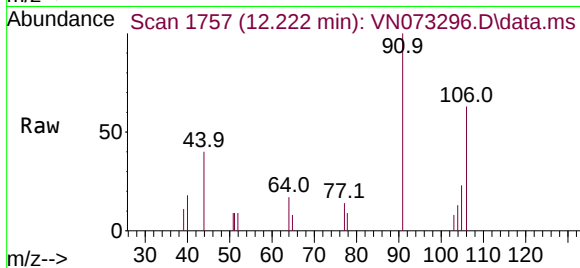
FB01-20220623

Tgt Ion:106 Resp: 1784

Ion Ratio Lower Upper

106 100

91 190.6 106.0 318.0



#71

Bromoform

Concen: 0.645 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. 0.271 min

Lab File: VN073296.D

Acq: 01 Jul 2022 14:47

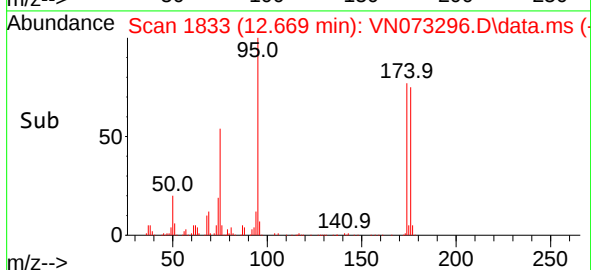
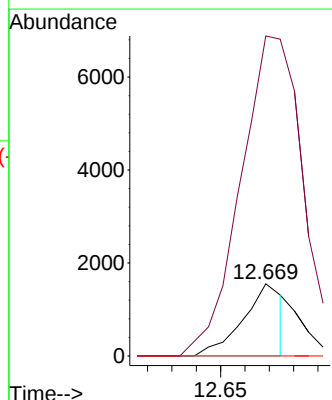
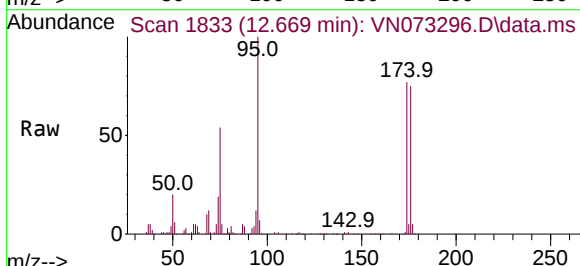
Tgt Ion:173 Resp: 1760

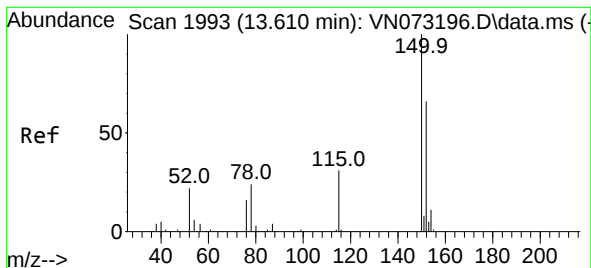
Ion Ratio Lower Upper

173 100

175 493.6 24.6 73.6#

254 0.0 0.1 0.1#

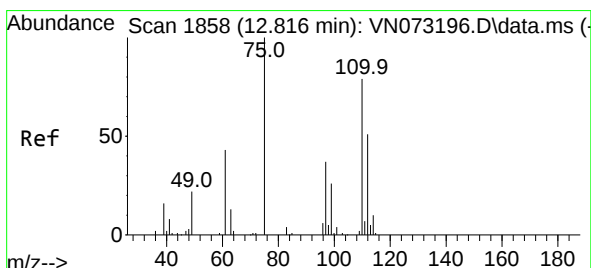
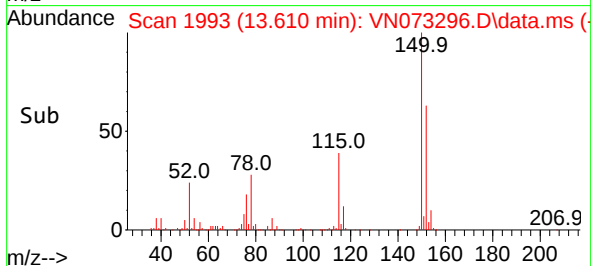
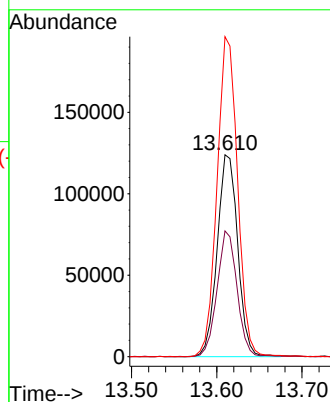
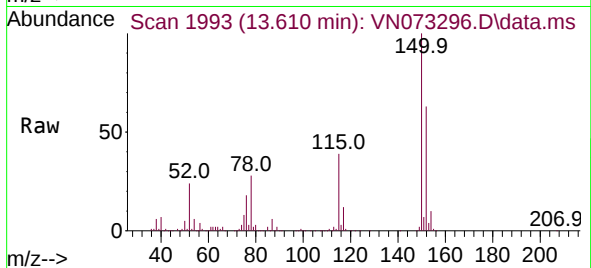




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073296.D
 Acq: 01 Jul 2022 14:47

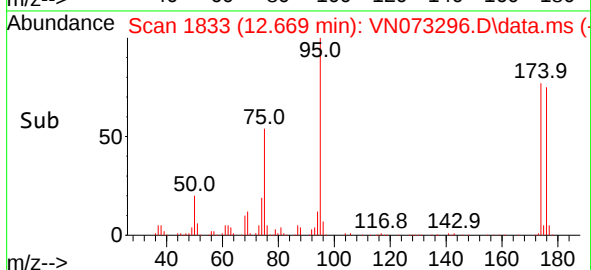
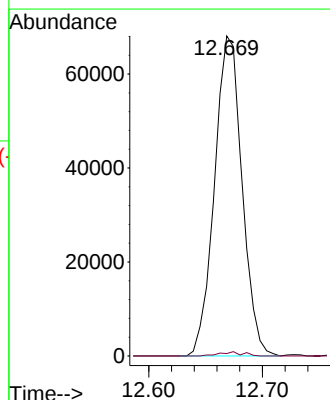
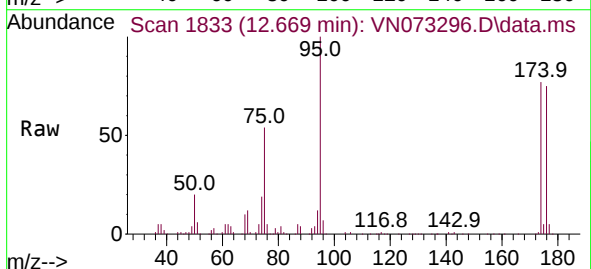
Instrument :
 MSVOA_N
 ClientSampleId :
 FB01-20220623

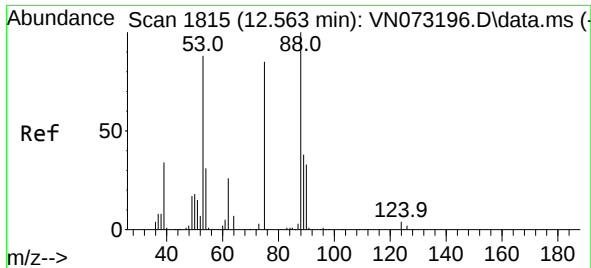
Tgt Ion:152 Resp: 208231
 Ion Ratio Lower Upper
 152 100
 115 60.7 28.9 86.7
 150 158.3 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.080 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073296.D
 Acq: 01 Jul 2022 14:47

Tgt Ion: 75 Resp: 114775
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.5 295.5#

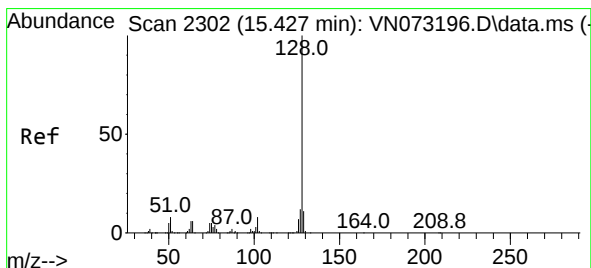
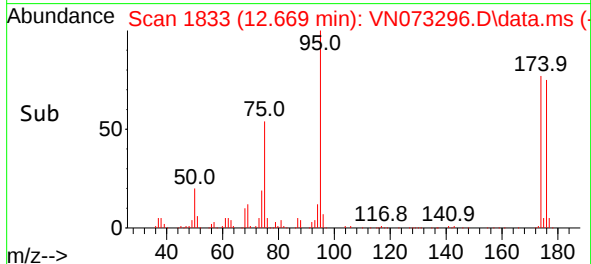
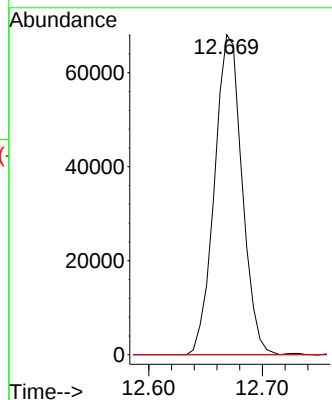
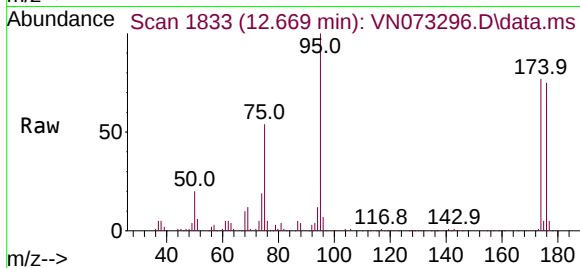




#81
trans-1,4-Dichloro-2-butene
Concen: 57.810 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

Instrument :
MSVOA_N
ClientSampleId :
FB01-20220623

Tgt Ion: 75 Resp: 114775
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.963 ug/l
RT: 15.439 min Scan# 2304
Delta R.T. 0.012 min
Lab File: VN073296.D
Acq: 01 Jul 2022 14:47

Tgt Ion: 128 Resp: 15452
Ion Ratio Lower Upper
128 100
127 15.0 10.3 15.5
129 12.1 8.6 13.0

