

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071222\
 Data File : VN073435.D
 Acq On : 12 Jul 2022 14:33
 Operator : JC\MD
 Sample : N3669-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-071122

Quant Time: Jul 13 06:18:14 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)

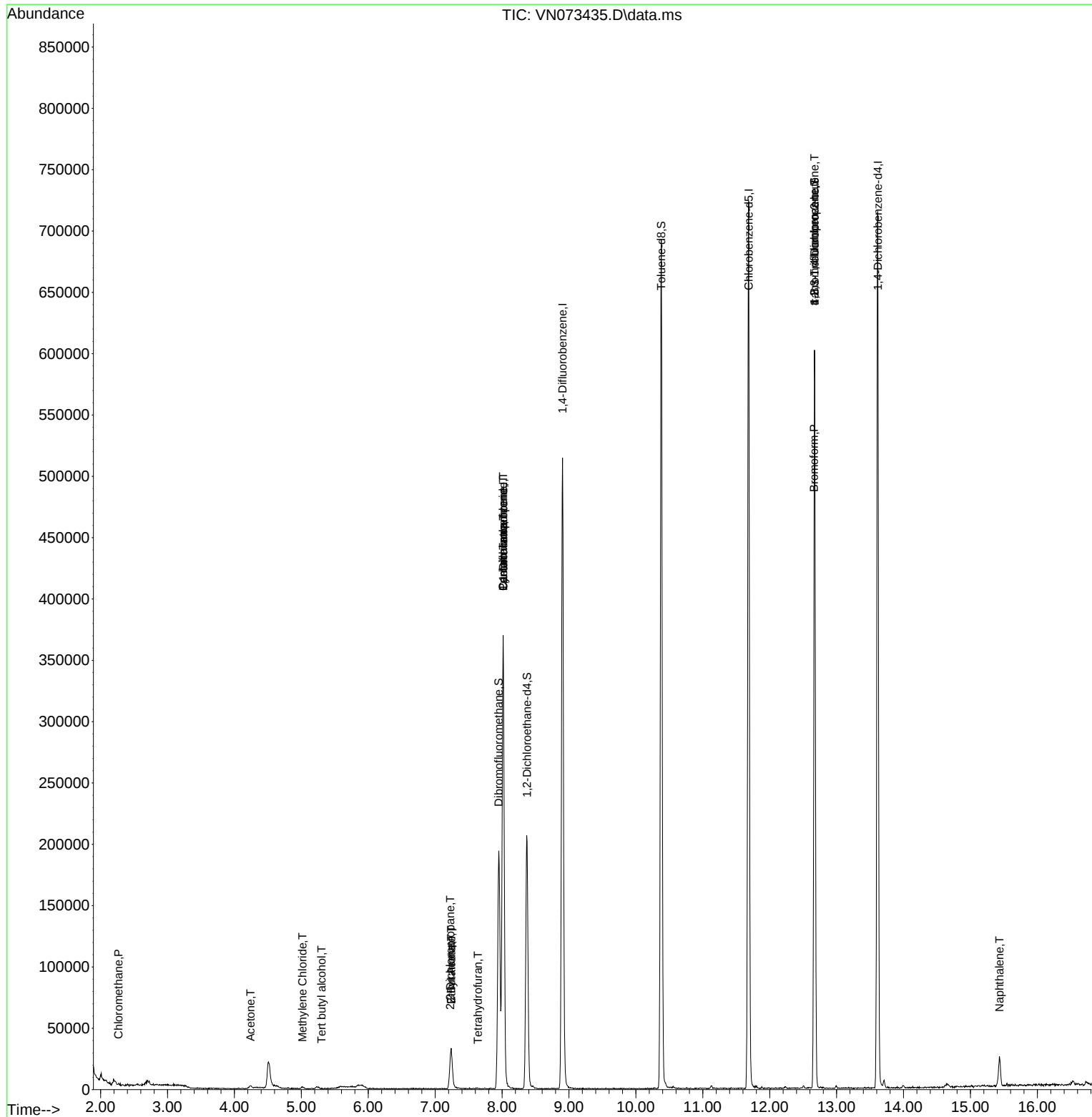
Internal Standards						
1) Pentafluorobenzene	8.016	168	263445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	442046	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	408859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	193637	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	175194	46.066	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	92.140%
35) Dibromofluoromethane	7.951	113	146816	49.920	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.840%
50) Toluene-d8	10.380	98	469423	44.941	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.880%
62) 4-Bromofluorobenzene	12.669	95	203388	50.668	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	101.340%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	757	0.202	ug/l #	88
11) Tert butyl alcohol	5.304	59	200	0.217	ug/l #	72
16) Acetone	4.240	43	4705	2.204	ug/l	91
20) Methylene Chloride	5.016	84	763	0.203	ug/l #	67
25) 2-Butanone	7.239	43	2163	0.636	ug/l #	45
26) 2,2-Dichloropropane	7.228	77	2312	0.396	ug/l #	53
29) Tetrahydrofuran	7.639	42	533	0.229	ug/l #	37
31) Cyclohexane	8.016	56	6029	0.968	ug/l #	18
36) 1,1-Dichloropropene	8.016	75	23048	5.093	ug/l #	48
37) Ethyl Acetate	7.239	43	2163	0.316	ug/l #	33
38) Carbon Tetrachloride	8.016	117	28376	6.064	ug/l #	18
71) Bromoform	12.663	173	1195	0.480	ug/l #	28
76) 1,2,3-Trichloropropane	12.669	75	108360	21.401	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	108360	58.693	ug/l #	10
95) Naphthalene	15.433	128	26264	1.760	ug/l	99

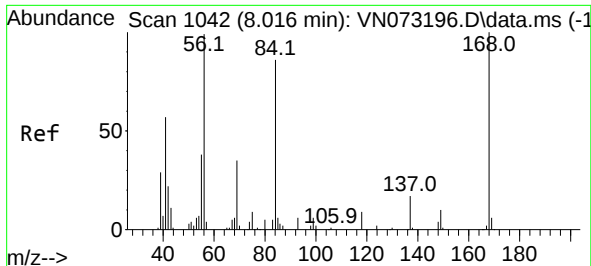
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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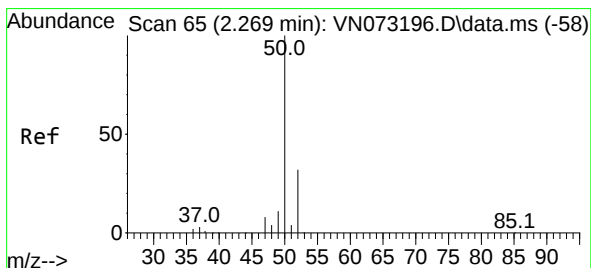
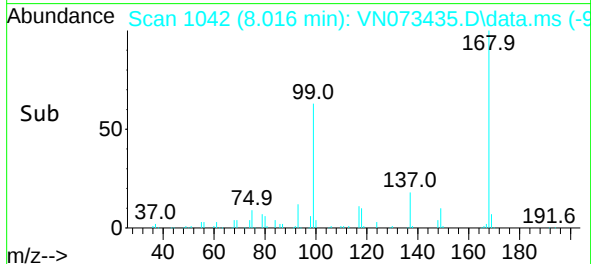
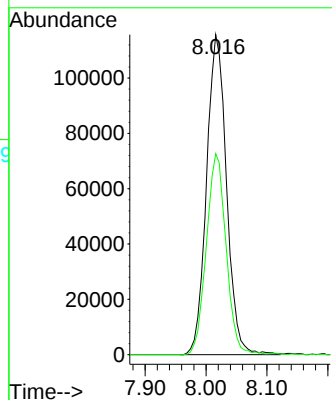
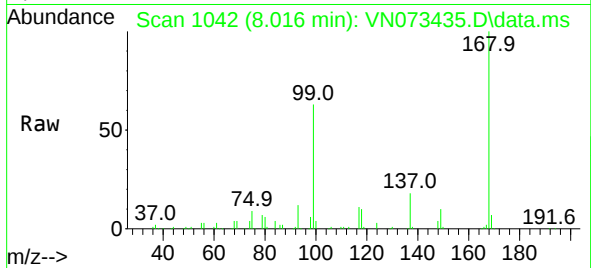




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

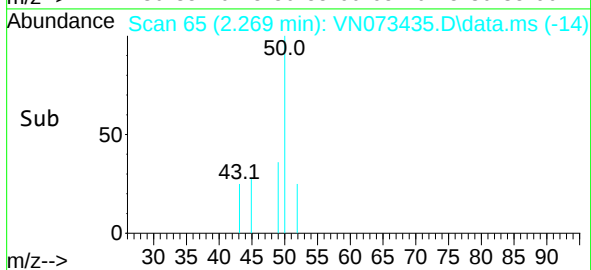
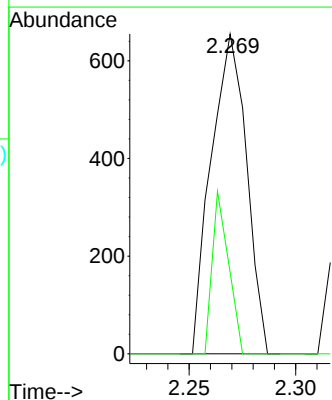
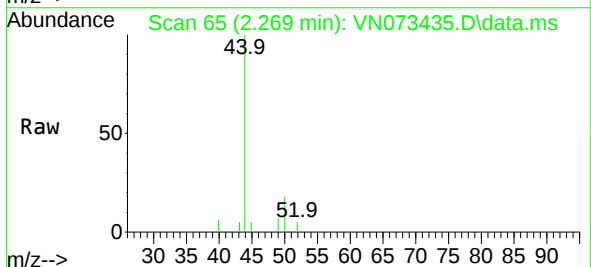
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071122

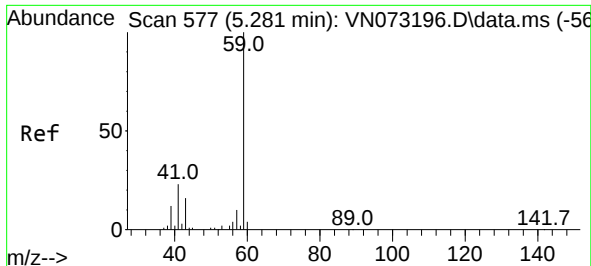
Tgt Ion:168 Resp: 263445
Ion Ratio Lower Upper
168 100
99 62.8 42.3 63.5



#3
Chloromethane
Concen: 0.202 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

Tgt Ion: 50 Resp: 757
Ion Ratio Lower Upper
50 100
52 25.5 25.7 38.5#

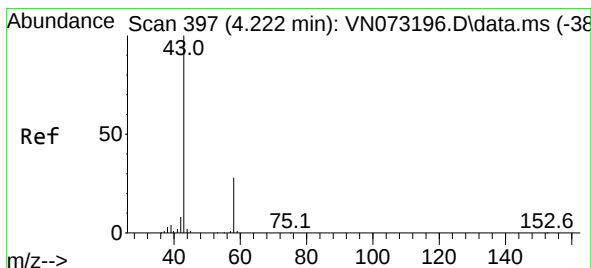
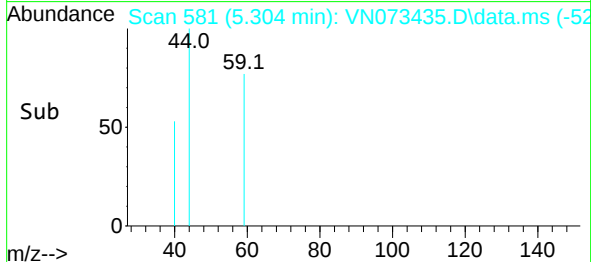
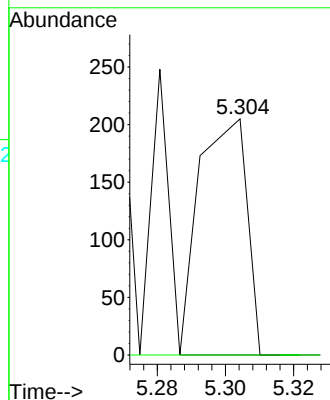
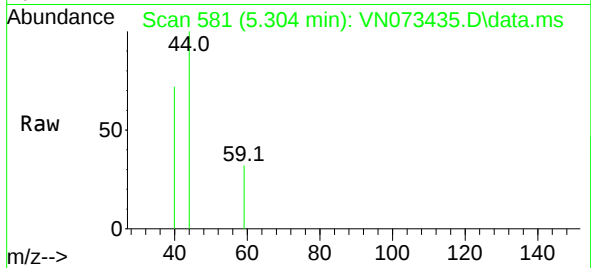




#11
Tert butyl alcohol
Concen: 0.217 ug/l
RT: 5.304 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

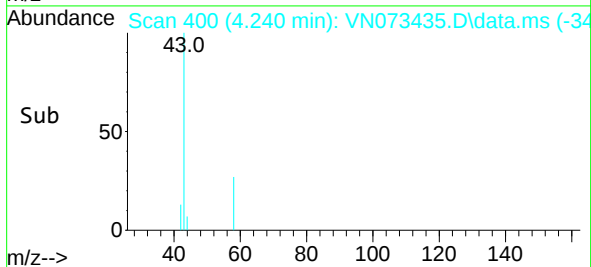
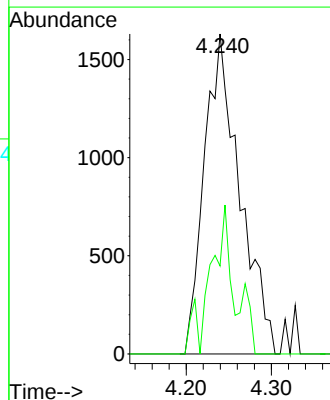
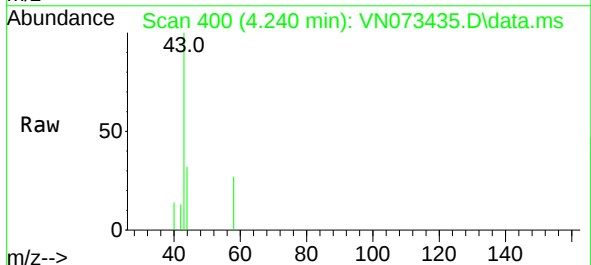
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071122

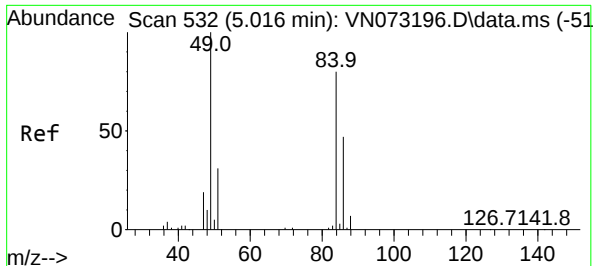
Tgt Ion: 59 Resp: 200
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 2.204 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

Tgt Ion: 43 Resp: 4705
Ion Ratio Lower Upper
43 100
58 27.5 26.0 39.0

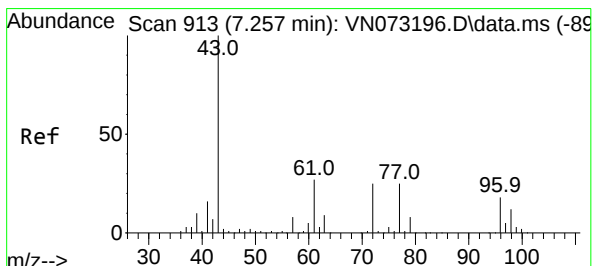
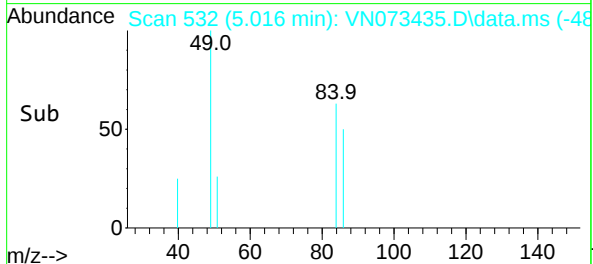
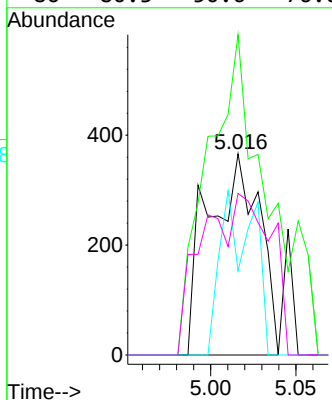
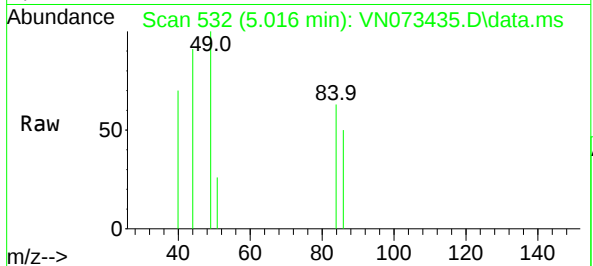




#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 5.016 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

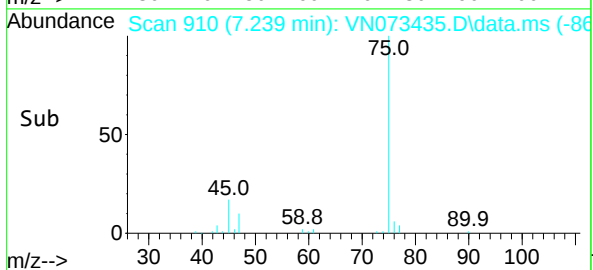
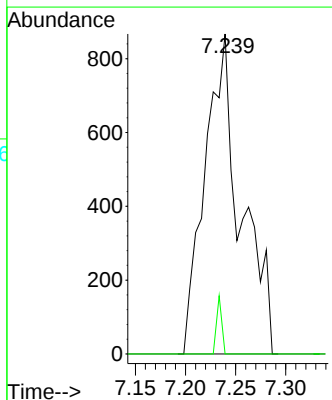
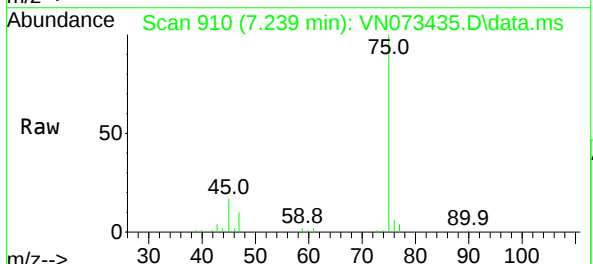
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071122

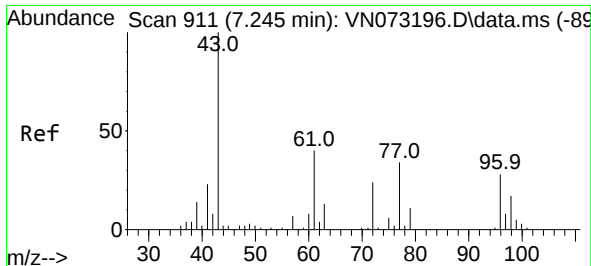
Tgt Ion:	84	Resp:	763
Ion	Ratio	Lower	Upper
84	100		
49	159.3	88.3	132.5#
51	41.8	28.2	42.2
86	80.3	50.6	76.0#



#25
2-Butanone
Concen: 0.636 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.018 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

Tgt Ion:	43	Resp:	2163
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#

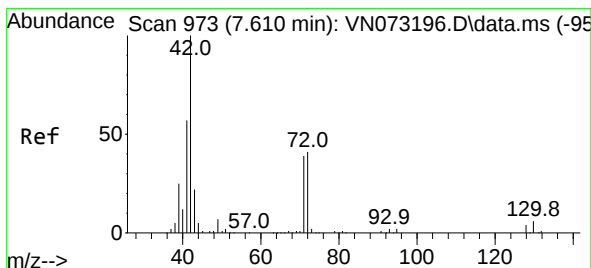
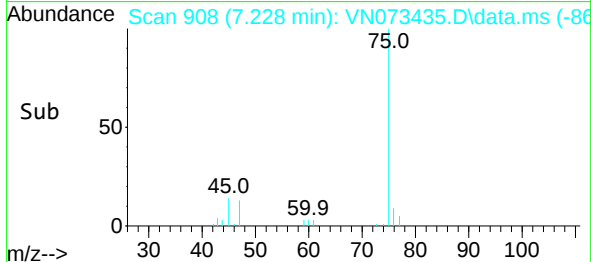
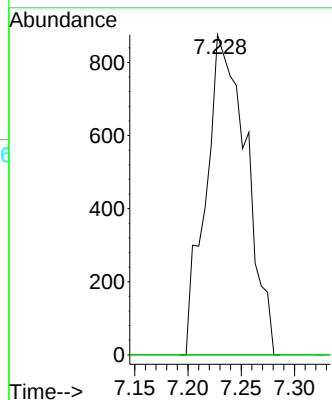
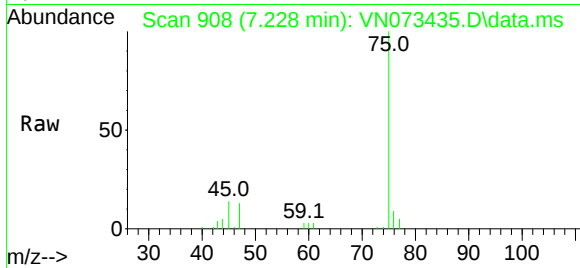




#26
2,2-Dichloropropane
Concen: 0.396 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.017 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

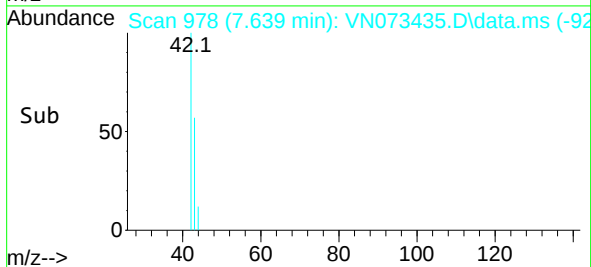
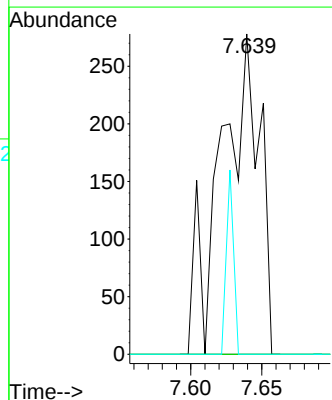
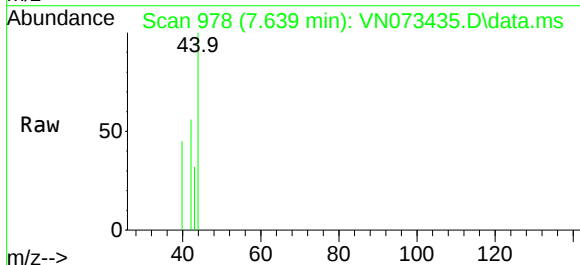
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071122

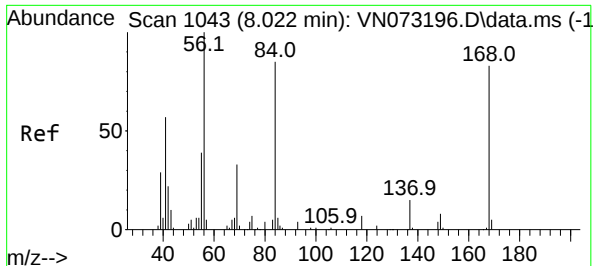
Tgt Ion: 77 Resp: 2312
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



#29
Tetrahydrofuran
Concen: 0.229 ug/l
RT: 7.639 min Scan# 978
Delta R.T. 0.029 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

Tgt Ion: 42 Resp: 533
Ion Ratio Lower Upper
42 100
72 0.0 39.7 59.5#
71 10.5 36.6 55.0#





#31

Cyclohexane

Concen: 0.968 ug/l

RT: 8.016 min Scan# 1103

Delta R.T. -0.006 min

Lab File: VN073435.D

Acq: 12 Jul 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

TB-01-071122

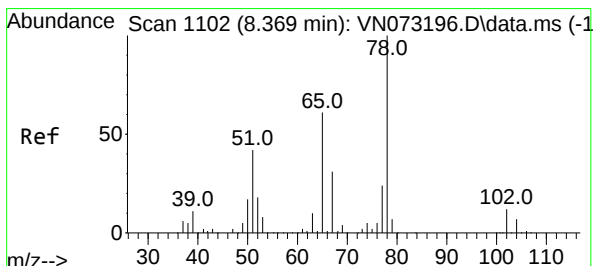
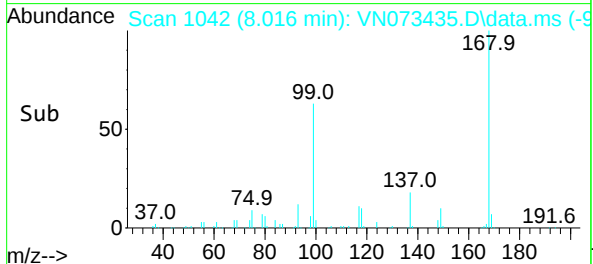
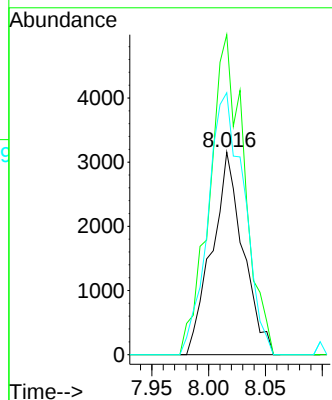
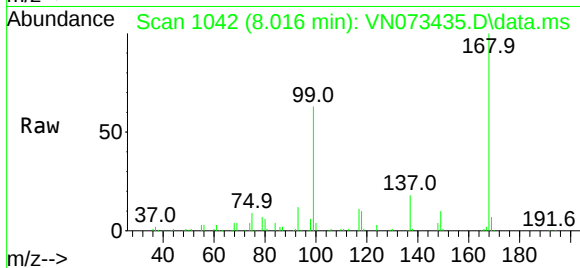
Tgt Ion: 56 Resp: 6029

Ion Ratio Lower Upper

56 100

69 158.0 27.8 41.8#

84 129.4 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 46.066 ug/l

RT: 8.375 min Scan# 1103

Delta R.T. 0.006 min

Lab File: VN073435.D

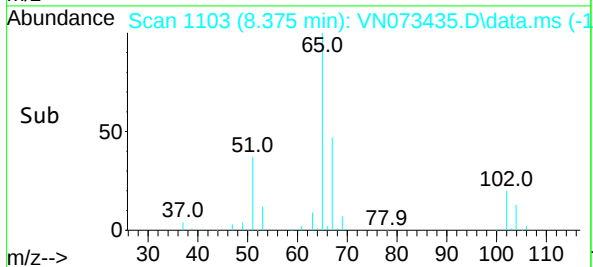
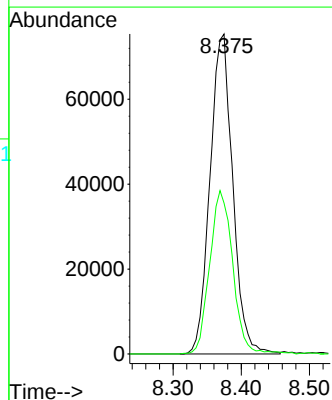
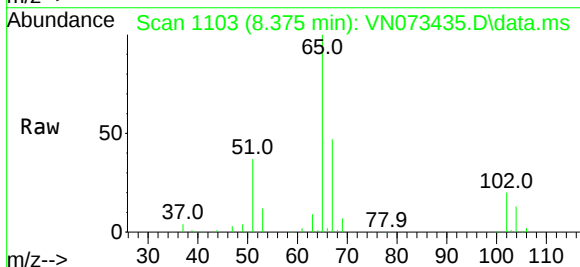
Acq: 12 Jul 2022 14:33

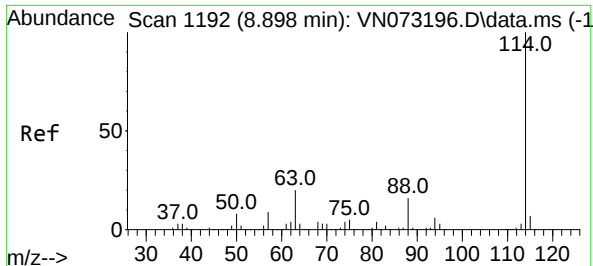
Tgt Ion: 65 Resp: 175194

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1192

Delta R.T. 0.006 min

Lab File: VN073435.D

Acq: 12 Jul 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

TB-01-071122

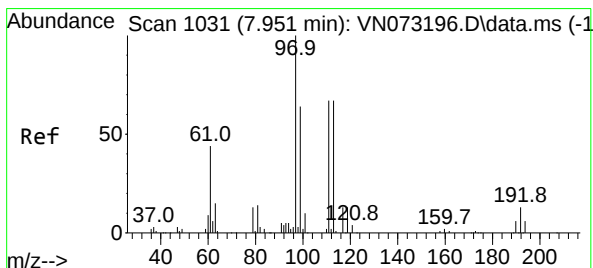
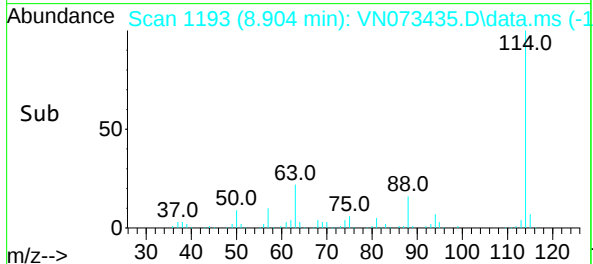
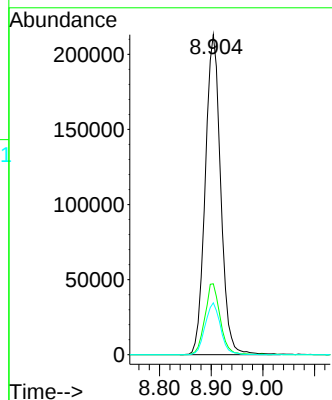
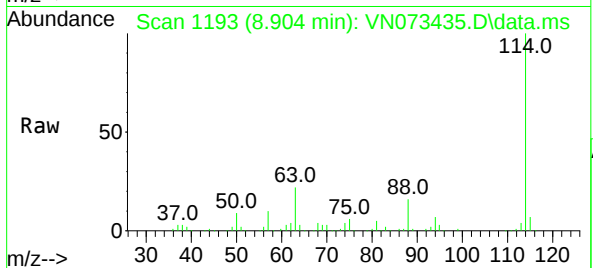
Tgt Ion:114 Resp: 442046

Ion Ratio Lower Upper

114 100

63 22.2 0.0 40.0

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 49.920 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073435.D

Acq: 12 Jul 2022 14:33

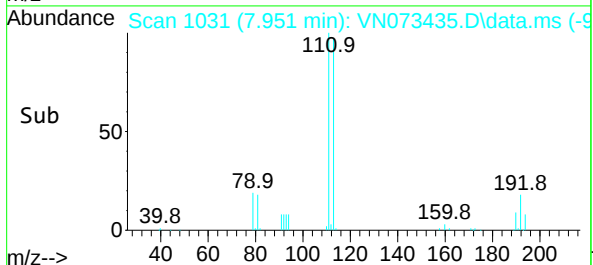
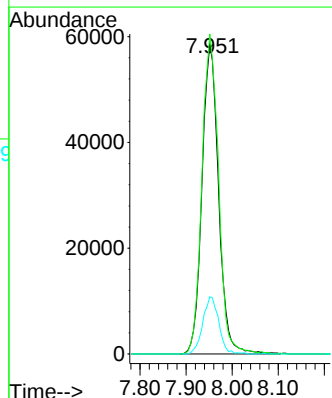
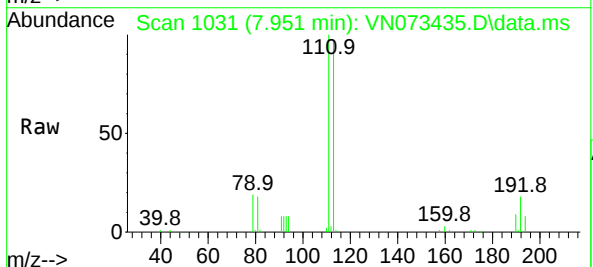
Tgt Ion:113 Resp: 146816

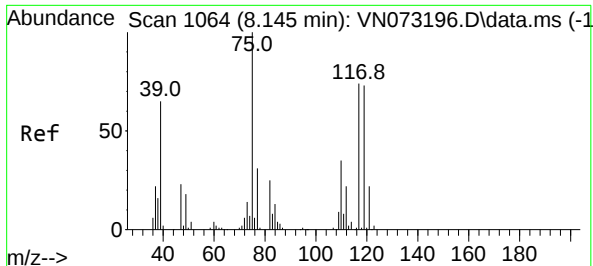
Ion Ratio Lower Upper

113 100

111 103.3 81.4 122.0

192 17.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.093 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.129 min

Lab File: VN073435.D

Acq: 12 Jul 2022 14:33

Instrument :

MSVOA_N

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TB-01-071122

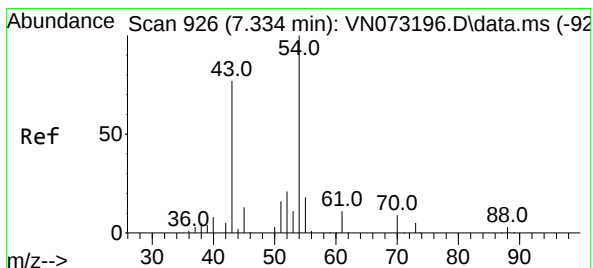
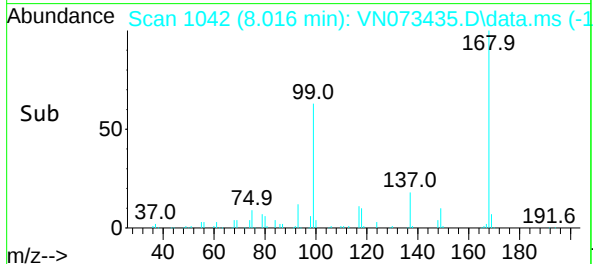
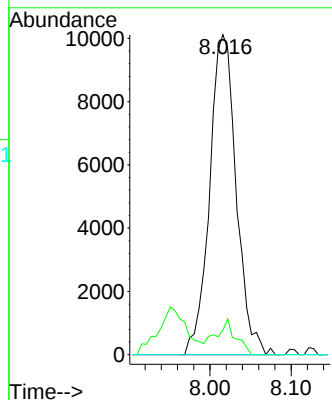
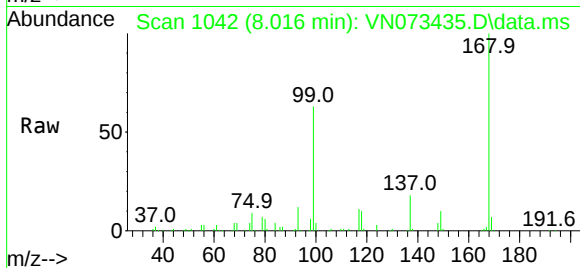
Tgt Ion: 75 Resp: 23048

Ion Ratio Lower Upper

75 100

110 8.3 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 0.316 ug/l

RT: 7.239 min Scan# 910

Delta R.T. -0.095 min

Lab File: VN073435.D

Acq: 12 Jul 2022 14:33

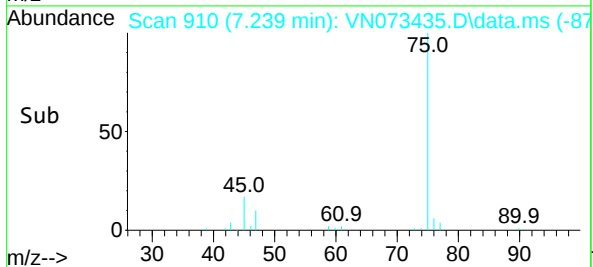
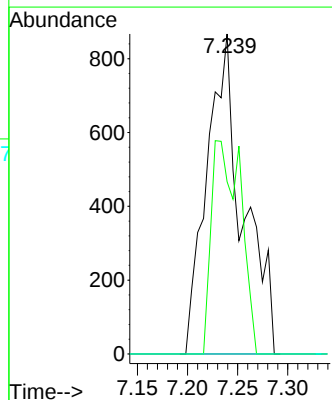
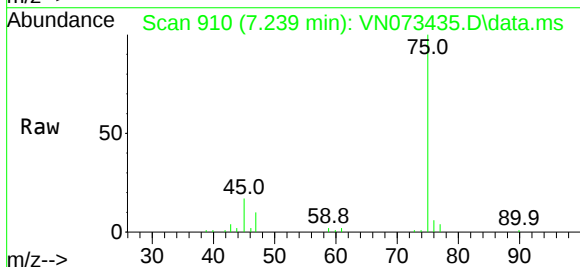
Tgt Ion: 43 Resp: 2163

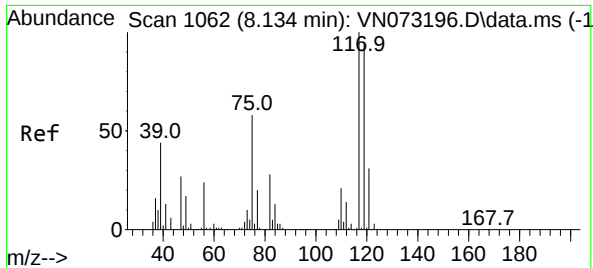
Ion Ratio Lower Upper

43 100

61 54.5 11.8 17.6#

70 0.0 9.3 13.9#

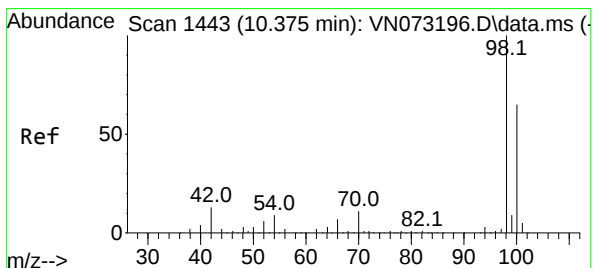
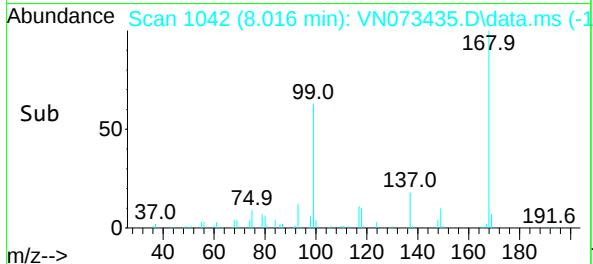
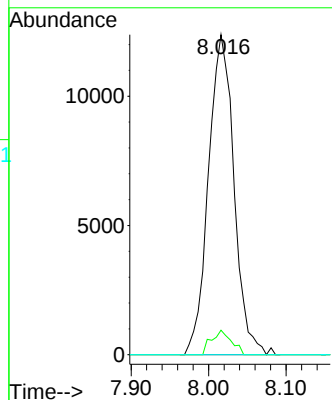
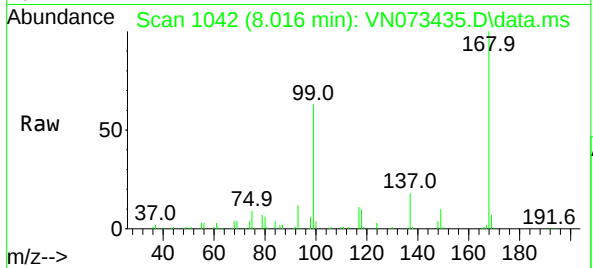




#38
Carbon Tetrachloride
Concen: 6.064 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

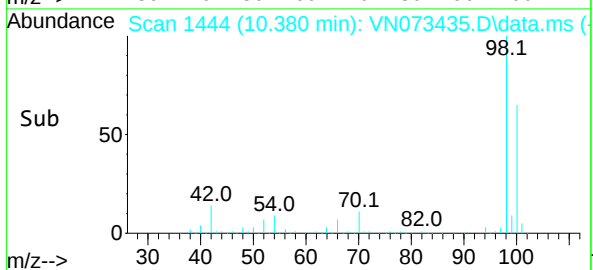
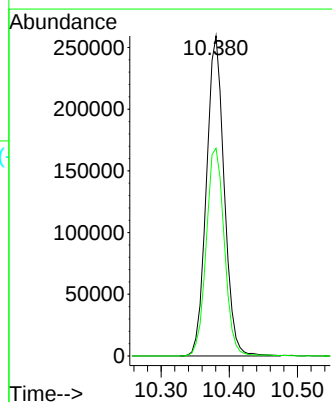
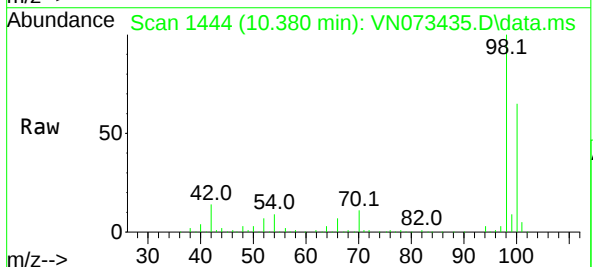
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071122

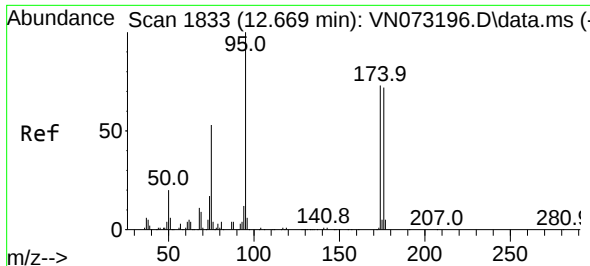
Tgt Ion:117 Resp: 28376
Ion Ratio Lower Upper
117 100
119 7.6 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.941 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

Tgt Ion: 98 Resp: 469423
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8

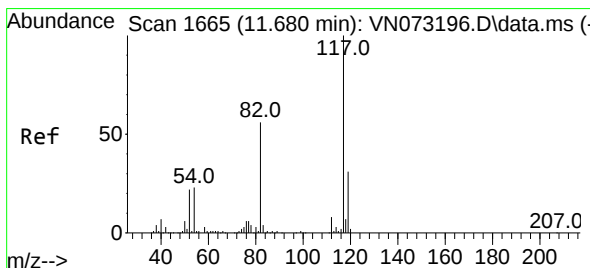
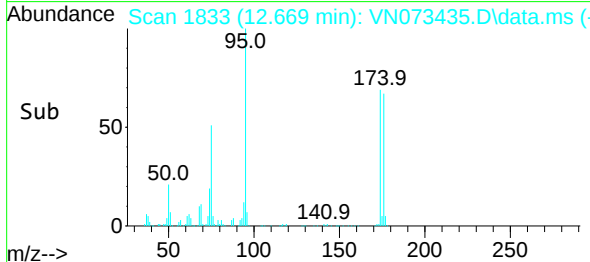
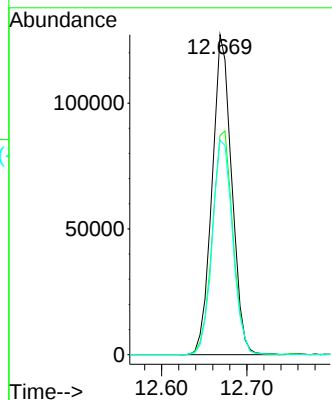
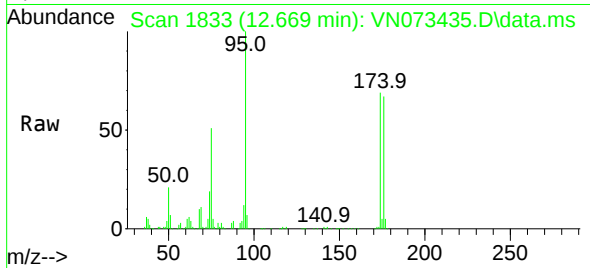




#62
4-Bromofluorobenzene
Concen: 50.668 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

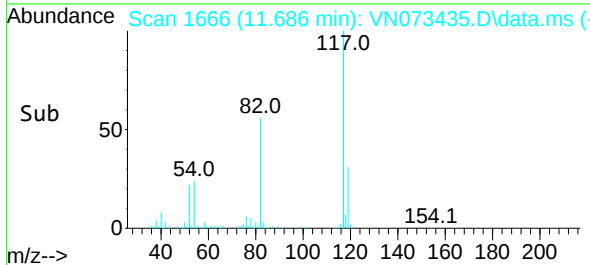
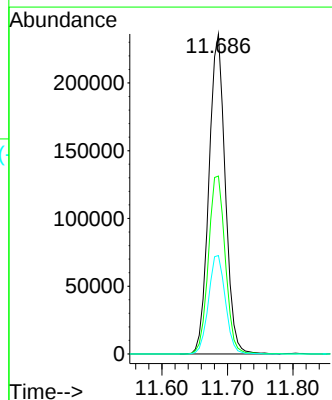
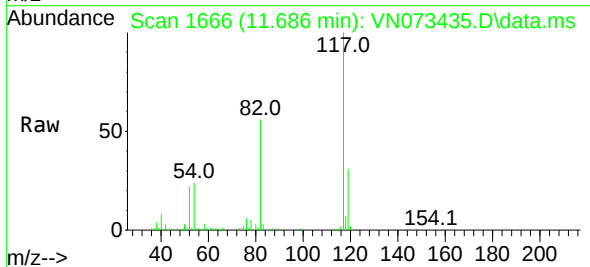
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071122

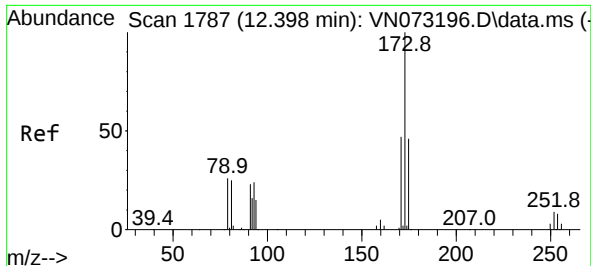
Tgt Ion: 95 Resp: 203388
Ion Ratio Lower Upper
95 100
174 73.3 0.0 167.6
176 69.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

Tgt Ion: 117 Resp: 408859
Ion Ratio Lower Upper
117 100
82 55.6 44.2 66.2
119 30.8 25.4 38.0

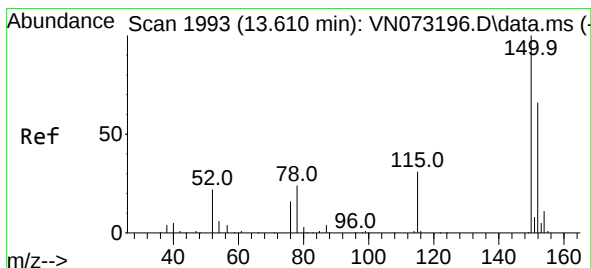
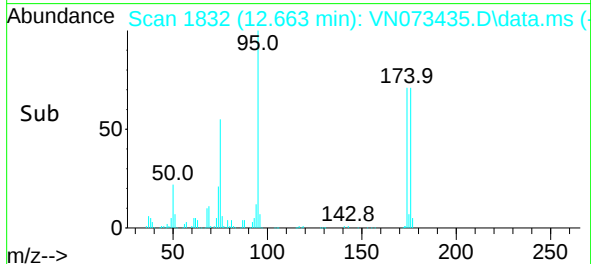
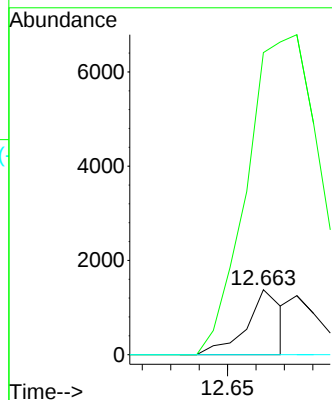
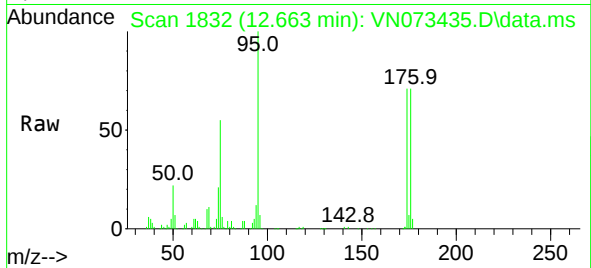




#71
Bromoform
Concen: 0.480 ug/l
RT: 12.663 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

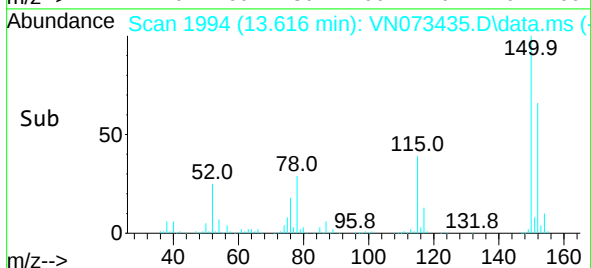
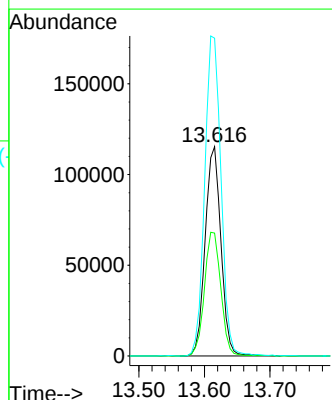
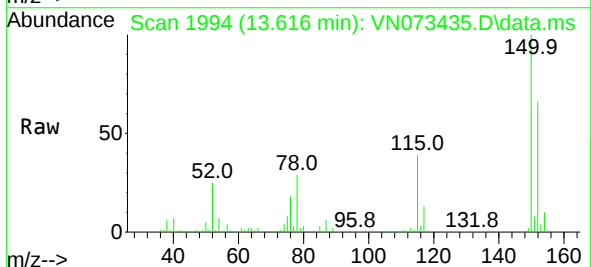
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071122

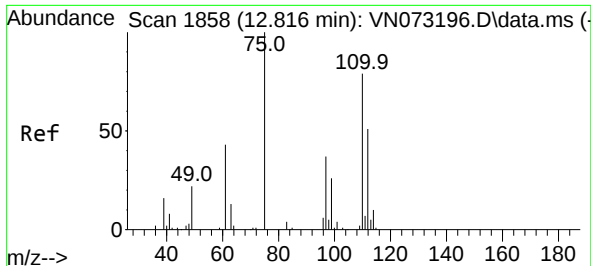
Tgt Ion:173 Resp: 1195
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

Tgt Ion:152 Resp: 193637
Ion Ratio Lower Upper
152 100
115 61.3 28.9 86.7
150 157.9 0.0 356.2

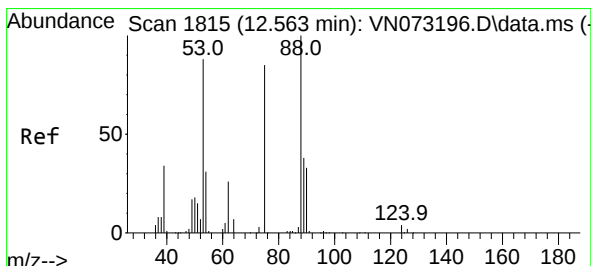
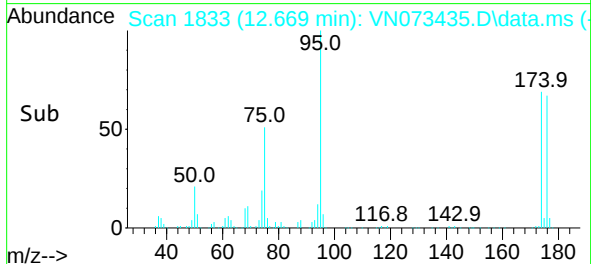
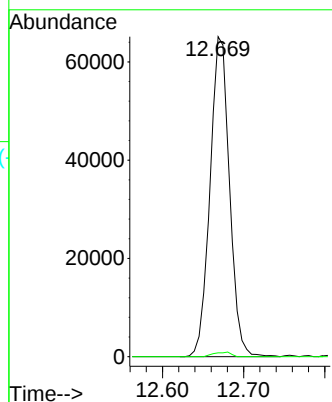
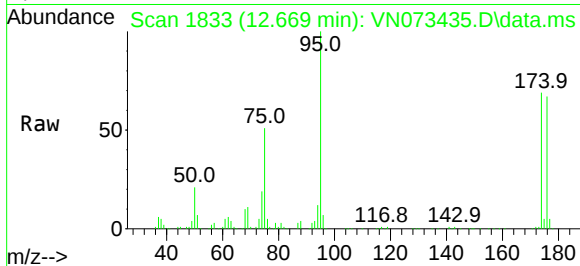




#76
1,2,3-Trichloropropane
Concen: 21.401 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.148 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

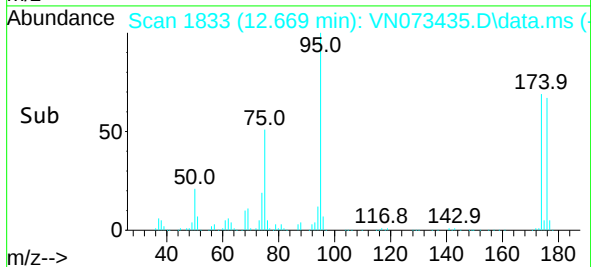
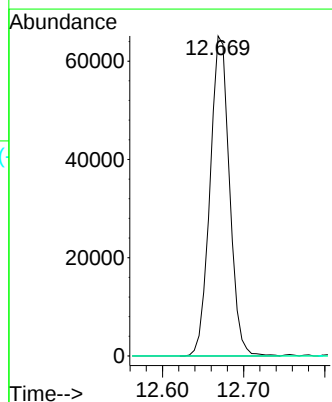
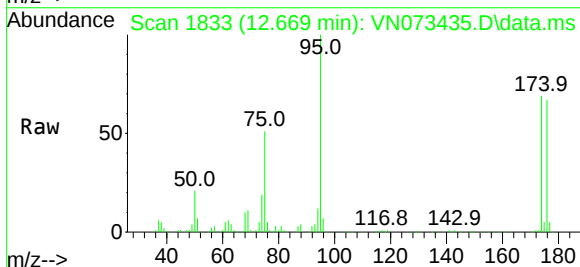
Instrument :
MSVOA_N
ClientSampleId :
TB-01-071122

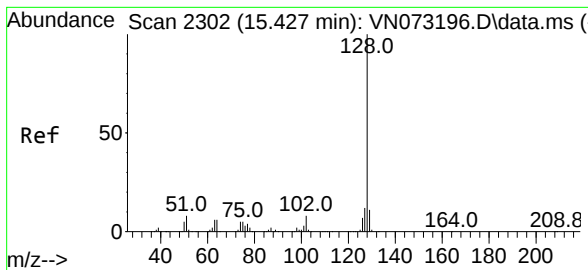
Tgt Ion: 75 Resp: 108360
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.693 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN073435.D
Acq: 12 Jul 2022 14:33

Tgt Ion: 75 Resp: 108360
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 1.760 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VN073435.D
 Acq: 12 Jul 2022 14:33

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-071122

Tgt Ion:	128	Resp:	26264
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.3	15.5
129	10.6	8.6	13.0

