

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071122\
 Data File : VN073416.D
 Acq On : 11 Jul 2022 13:53
 Operator : JC\MD
 Sample : N3659-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-070822

Quant Time: Jul 12 07:26:36 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	8.022	168	267312	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	447582	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	397280	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.609	152	165498	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	176391	45.710	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.420%
35) Dibromofluoromethane	7.951	113	145532	48.872	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.740%
50) Toluene-d8	10.380	98	470264	44.464	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.920%
62) 4-Bromofluorobenzene	12.668	95	183137	45.059	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.120%

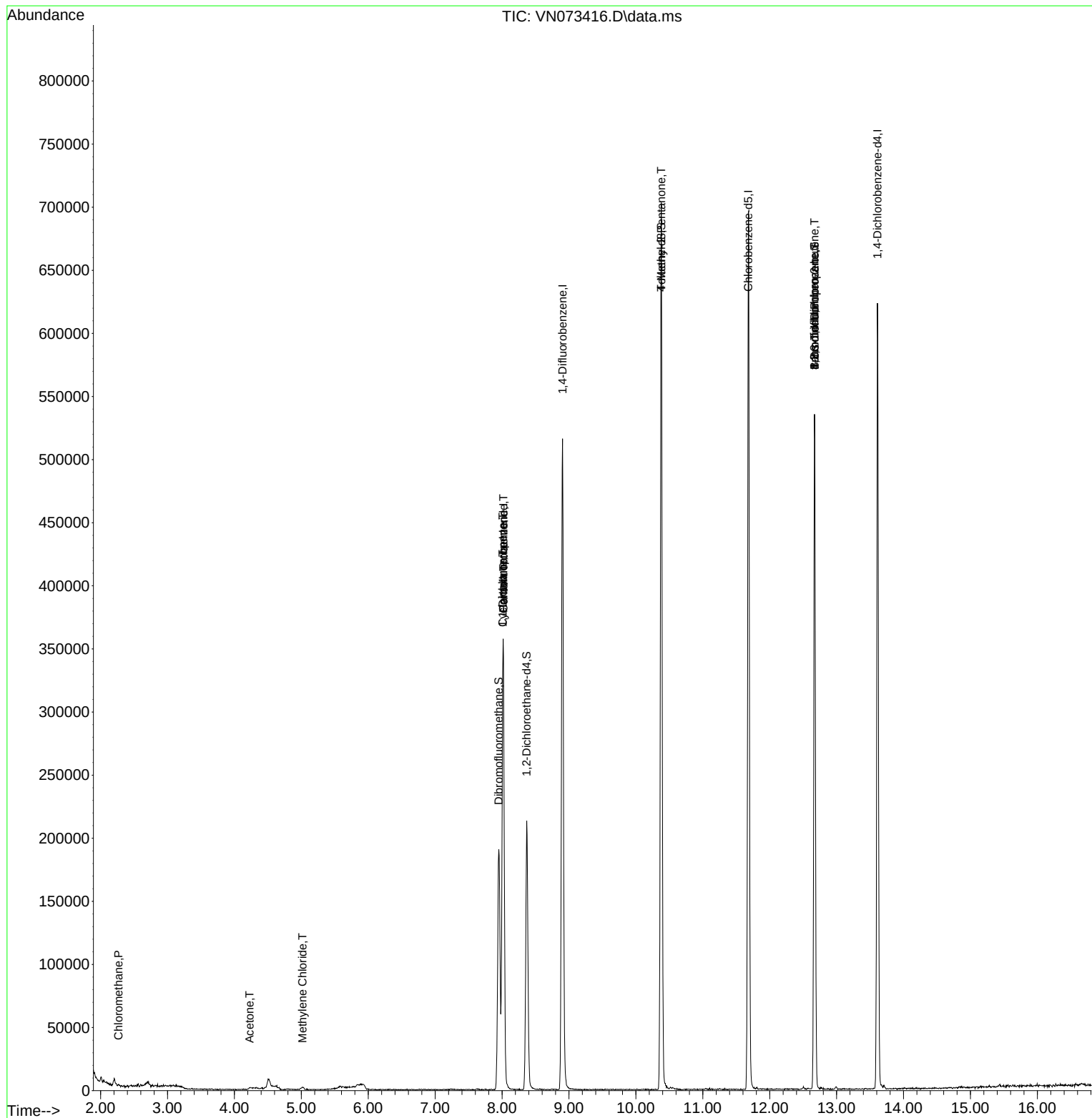
Target Compounds					Qvalue	
3) Chloromethane	2.269	50	1009	0.266	ug/l #	79
16) Acetone	4.228	43	2623	1.211	ug/l	91
20) Methylene Chloride	5.016	84	1579	0.415	ug/l #	88
31) Cyclohexane	8.010	56	6455	1.021	ug/l #	22
36) 1,1-Dichloropropene	8.010	75	22934	5.005	ug/l #	49
38) Carbon Tetrachloride	8.022	117	27615	5.828	ug/l #	17
51) 4-Methyl-2-Pentanone	10.380	43	2387	0.378	ug/l #	1
71) Bromoform	12.668	173	1297	0.536	ug/l #	1
76) 1,2,3-Trichloropropane	12.668	75	100549	23.235	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	100549	63.722	ug/l #	10

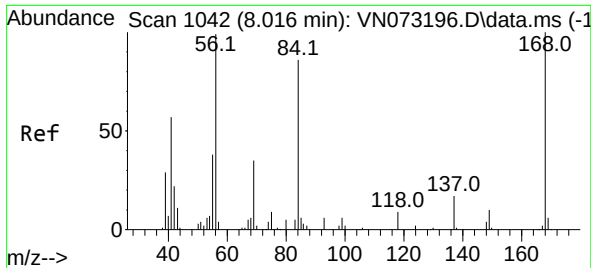
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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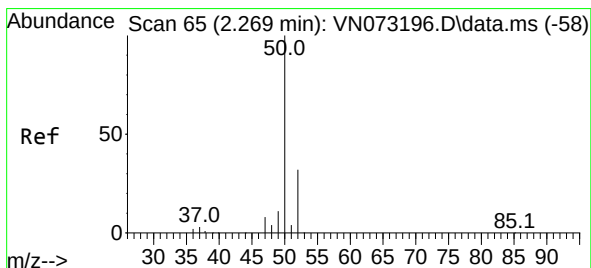
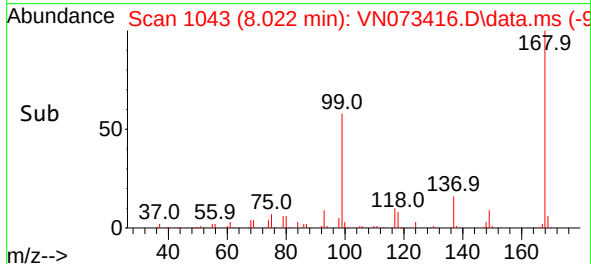
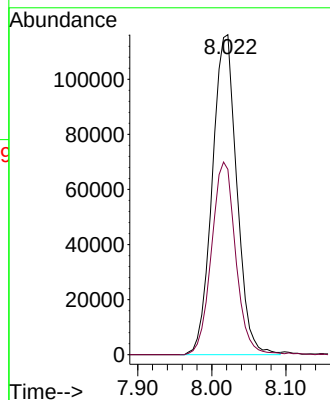
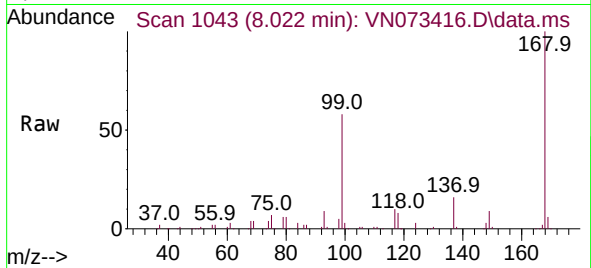




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.006 min
Lab File: VN073416.D
Acq: 11 Jul 2022 13:53

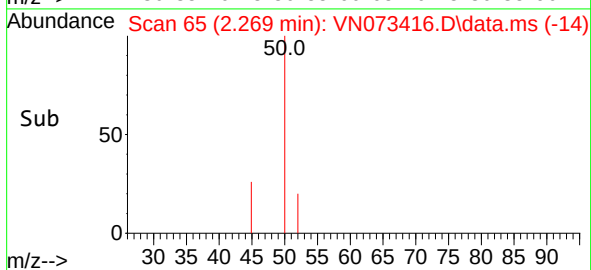
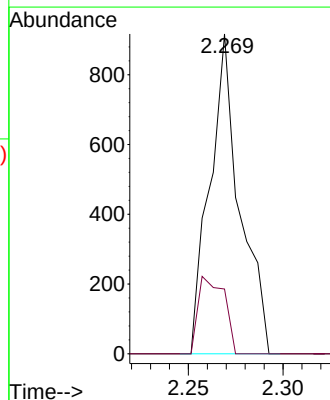
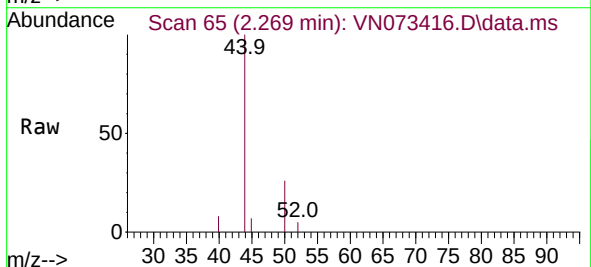
Instrument :
MSVOA_N
ClientSampleId :
TB-01-070822

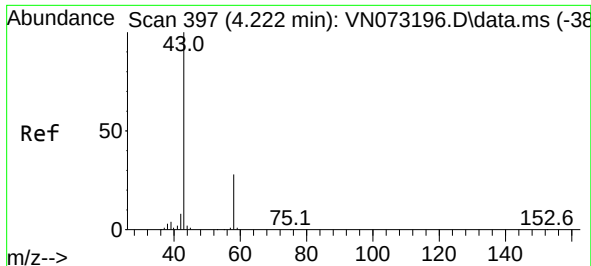
Tgt Ion:168 Resp: 267312
Ion Ratio Lower Upper
168 100
99 57.9 42.3 63.5



#3
Chloromethane
Concen: 0.266 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073416.D
Acq: 11 Jul 2022 13:53

Tgt Ion: 50 Resp: 1009
Ion Ratio Lower Upper
50 100
52 20.3 25.7 38.5#





#16

Acetone

Concen: 1.211 ug/l

RT: 4.228 min Scan# 397

Delta R.T. 0.006 min

Lab File: VN073416.D

Acq: 11 Jul 2022 13:53

Instrument :

MSVOA_N

ClientSampleId :

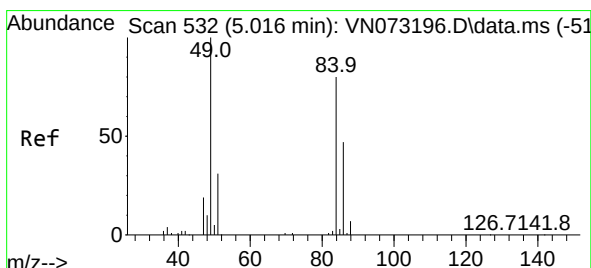
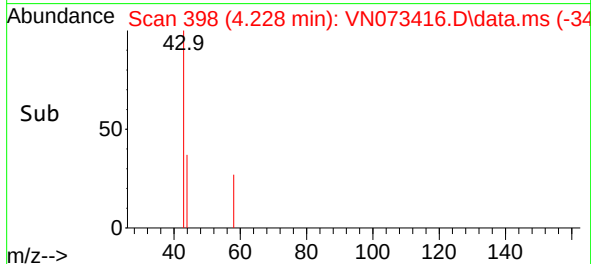
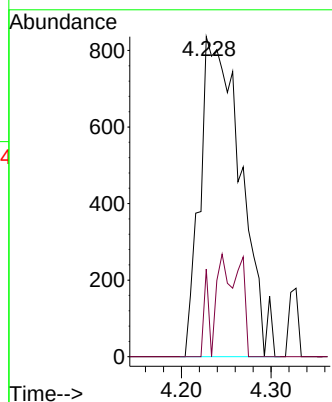
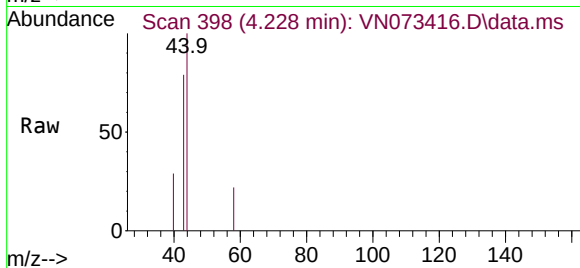
TB-01-070822

Tgt Ion: 43 Resp: 2623

Ion Ratio Lower Upper

43 100

58 27.4 26.0 39.0



#20

Methylene Chloride

Concen: 0.415 ug/l

RT: 5.016 min Scan# 532

Delta R.T. -0.000 min

Lab File: VN073416.D

Acq: 11 Jul 2022 13:53

Tgt Ion: 84 Resp: 1579

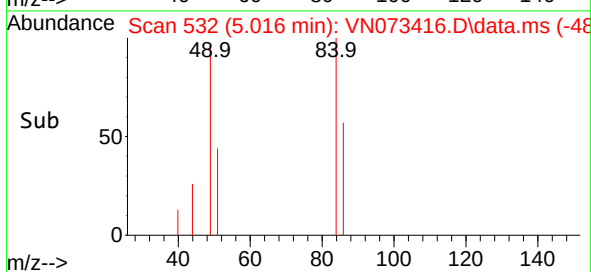
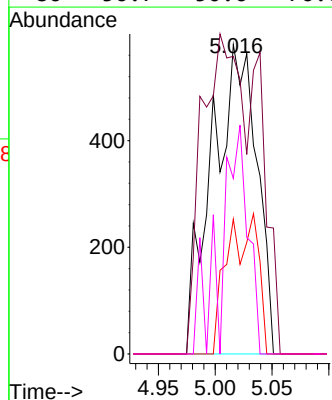
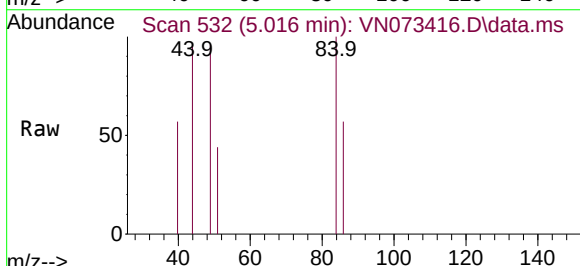
Ion Ratio Lower Upper

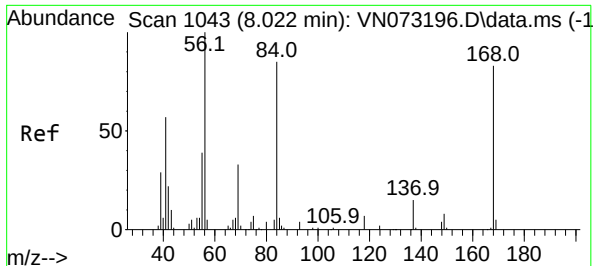
84 100

49 96.2 88.3 132.5

51 43.6 28.2 42.2#

86 56.7 50.6 76.0





#31

Cyclohexane

Concen: 1.021 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073416.D

Acq: 11 Jul 2022 13:53

Instrument :

MSVOA_N

ClientSampleId :

TB-01-070822

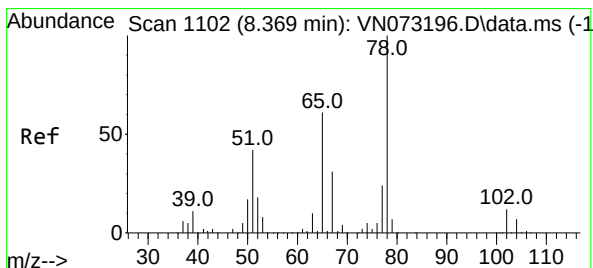
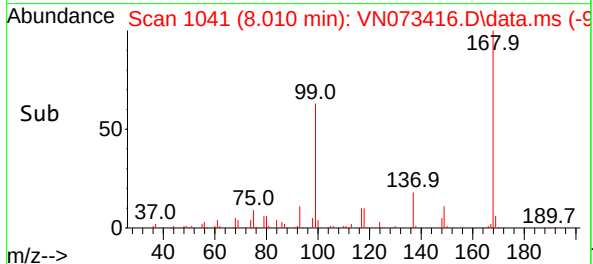
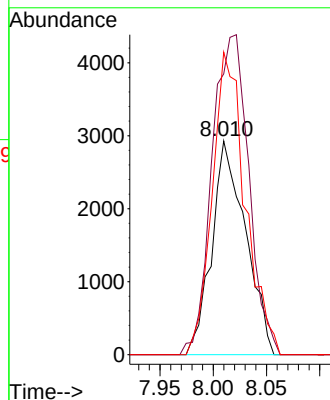
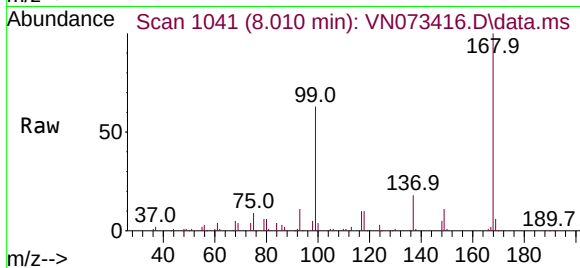
Tgt Ion: 56 Resp: 6455

Ion Ratio Lower Upper

56 100

69 131.3 27.8 41.8#

84 141.5 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 45.710 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073416.D

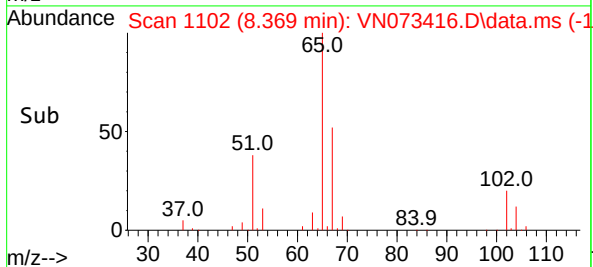
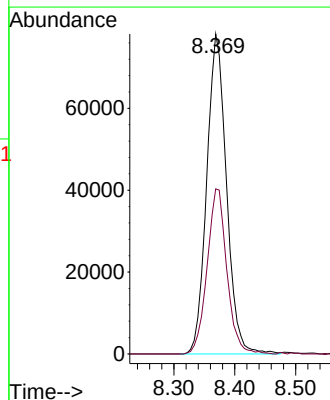
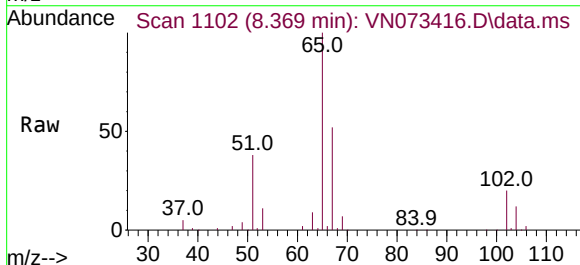
Acq: 11 Jul 2022 13:53

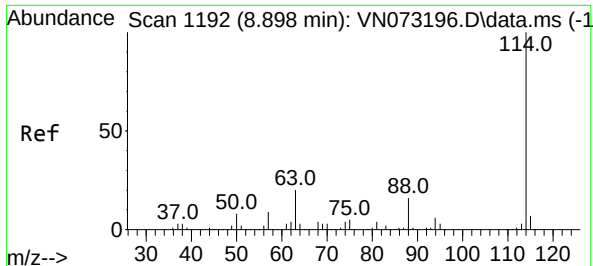
Tgt Ion: 65 Resp: 176391

Ion Ratio Lower Upper

65 100

67 51.5 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: VN073416.D

Acq: 11 Jul 2022 13:53

Instrument :

MSVOA_N

ClientSampleId :

TB-01-070822

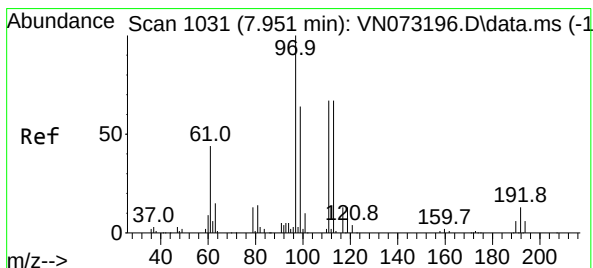
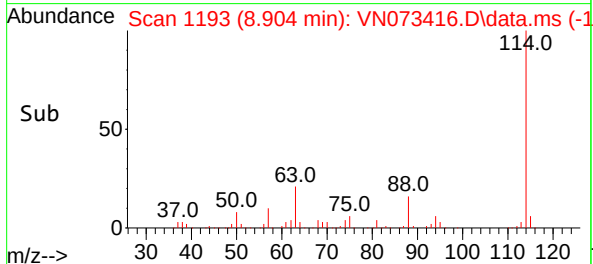
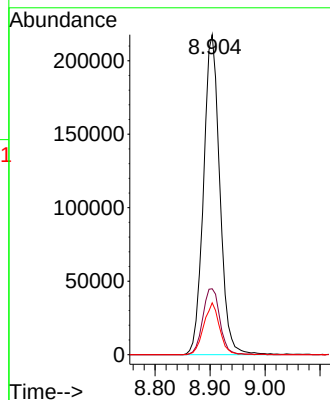
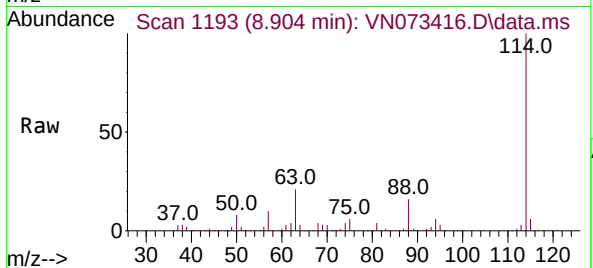
Tgt Ion:114 Resp: 447582

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

88 16.2 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.872 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073416.D

Acq: 11 Jul 2022 13:53

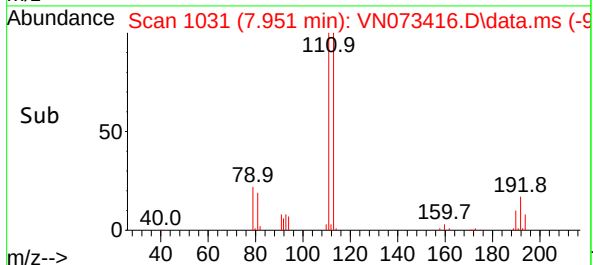
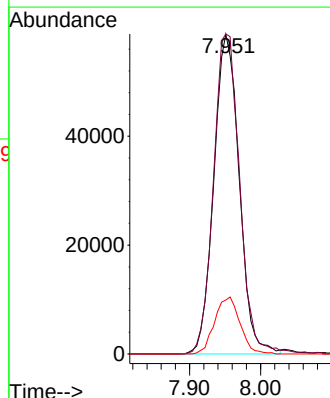
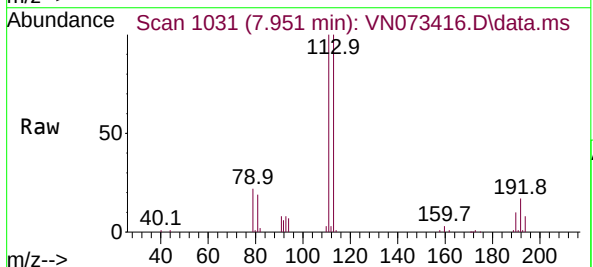
Tgt Ion:113 Resp: 145532

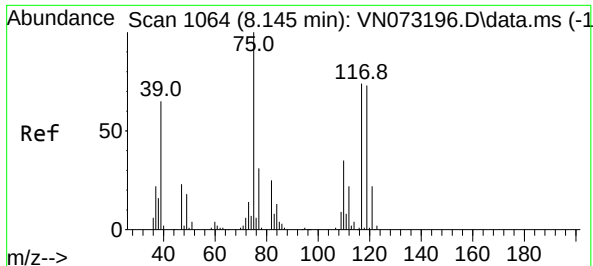
Ion Ratio Lower Upper

113 100

111 103.2 81.4 122.0

192 17.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.005 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.135 min

Lab File: VN073416.D

Acq: 11 Jul 2022 13:53

Instrument :

MSVOA_N

ClientSampleId :

TB-01-070822

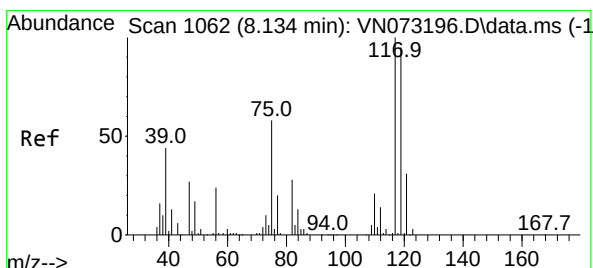
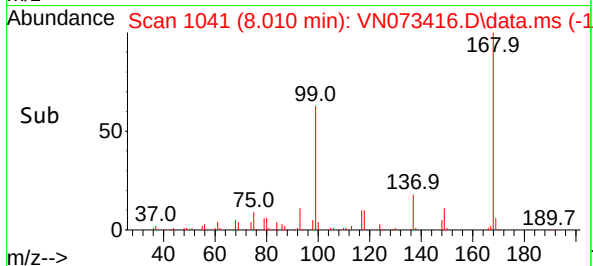
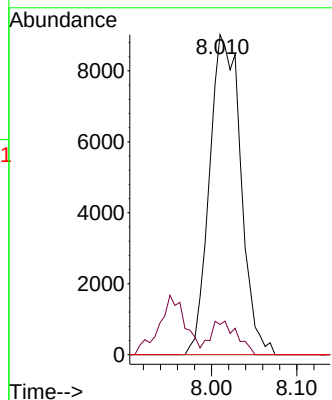
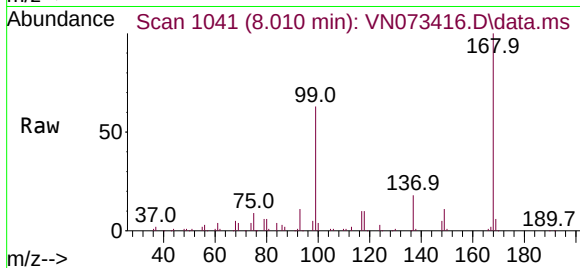
Tgt Ion: 75 Resp: 22934

Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.112 min

Lab File: VN073416.D

Acq: 11 Jul 2022 13:53

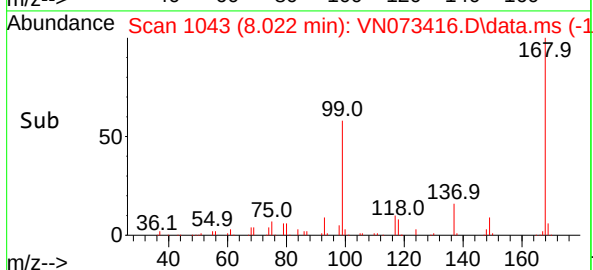
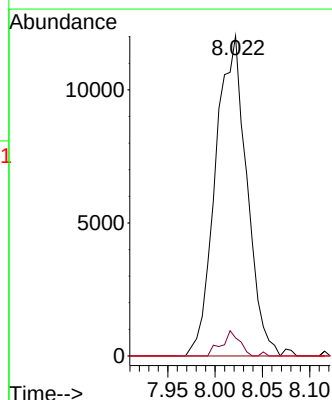
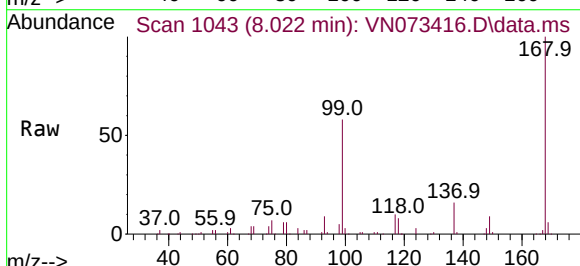
Tgt Ion: 117 Resp: 27615

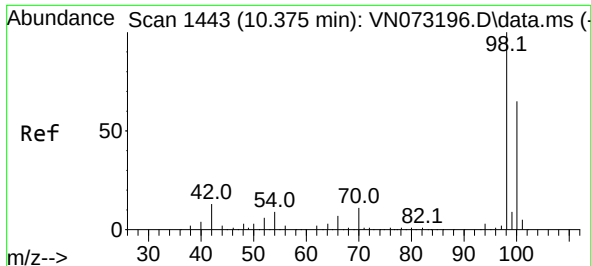
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.8#

121 0.0 24.6 37.0#

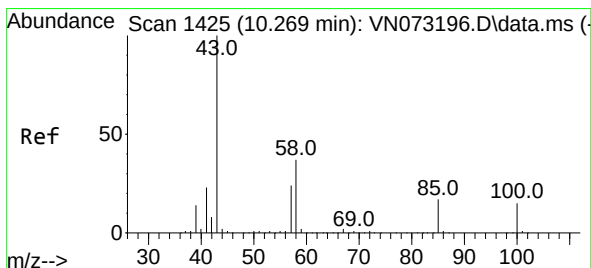
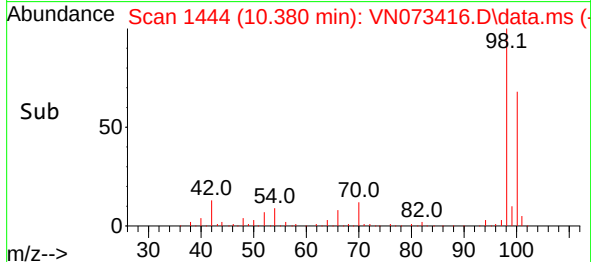
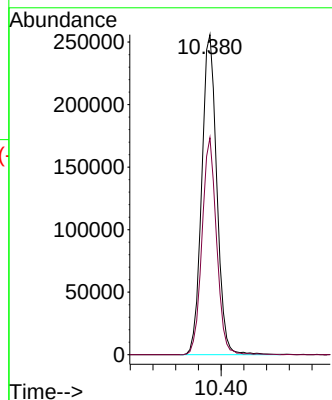
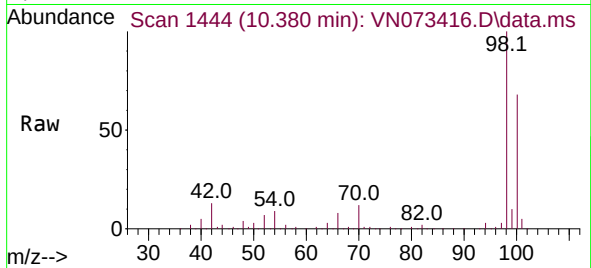




#50
Toluene-d8
Concen: 44.464 ug/l
RT: 10.380 min Scan# 1443
Delta R.T. 0.005 min
Lab File: VN073416.D
Acq: 11 Jul 2022 13:53

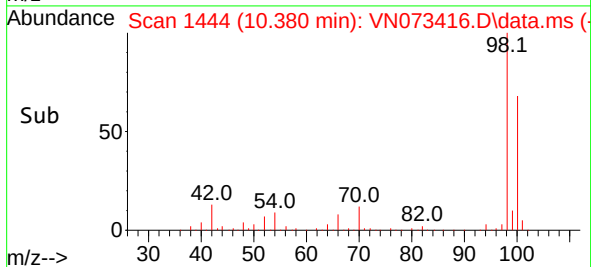
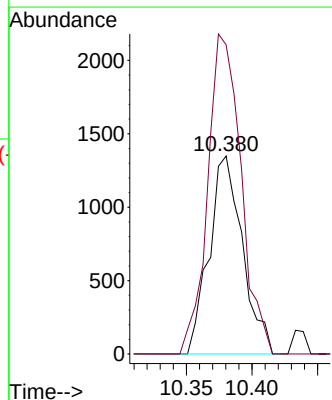
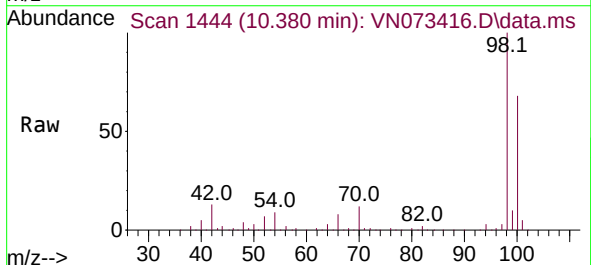
Instrument :
MSVOA_N
ClientSampleId :
TB-01-070822

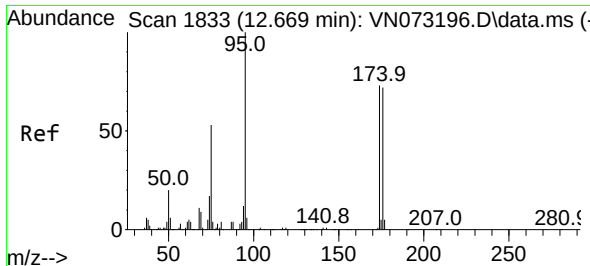
Tgt Ion: 98 Resp: 470264
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.378 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.111 min
Lab File: VN073416.D
Acq: 11 Jul 2022 13:53

Tgt Ion: 43 Resp: 2387
Ion Ratio Lower Upper
43 100
58 161.4 34.1 51.1#

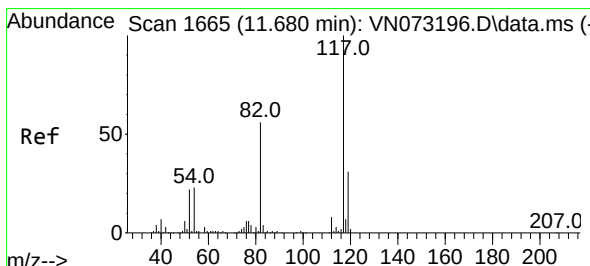
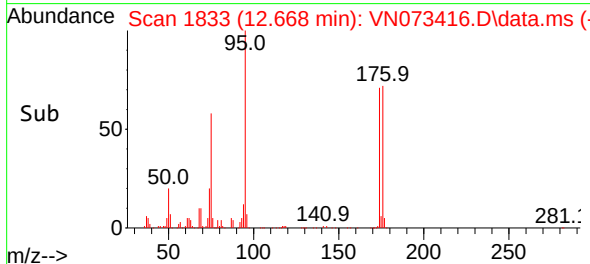
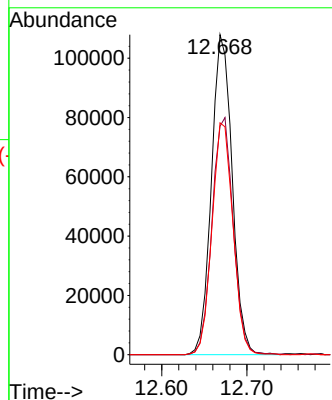
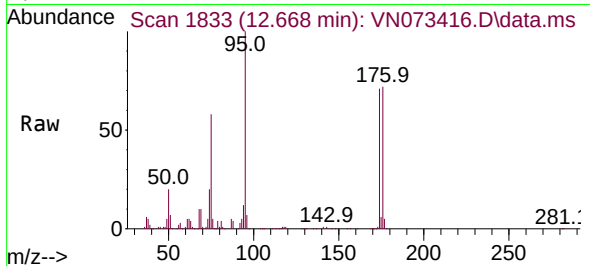




#62
4-Bromofluorobenzene
Concen: 45.059 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073416.D
Acq: 11 Jul 2022 13:53

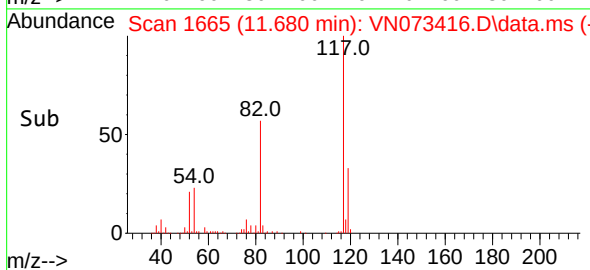
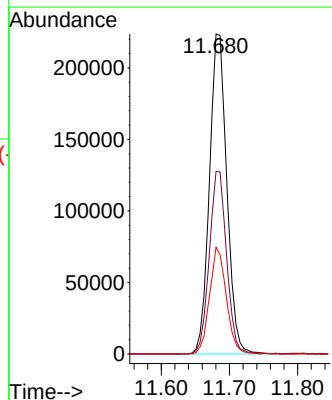
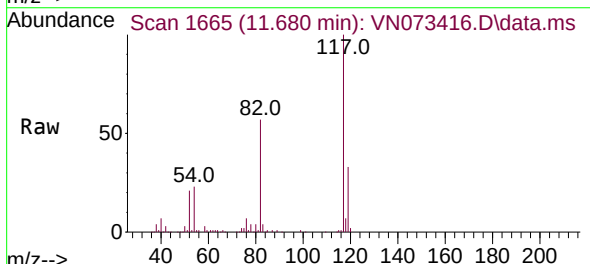
Instrument :
MSVOA_N
ClientSampleId :
TB-01-070822

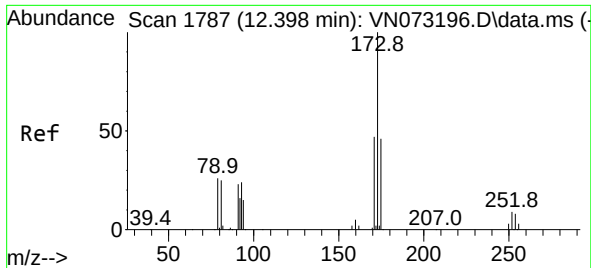
Tgt Ion: 95 Resp: 183137
Ion Ratio Lower Upper
95 100
174 75.7 0.0 167.6
176 73.3 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN073416.D
Acq: 11 Jul 2022 13:53

Tgt Ion: 117 Resp: 397280
Ion Ratio Lower Upper
117 100
82 57.0 44.2 66.2
119 33.3 25.4 38.0

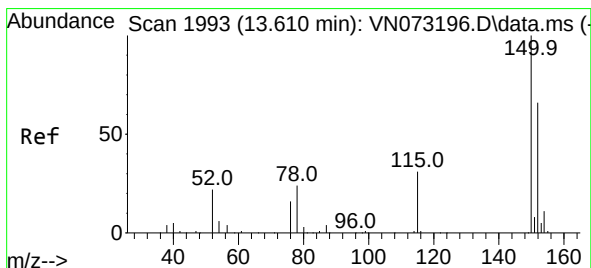
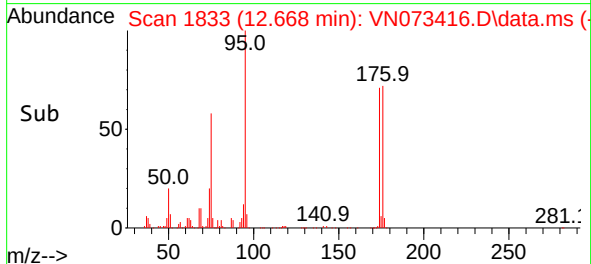
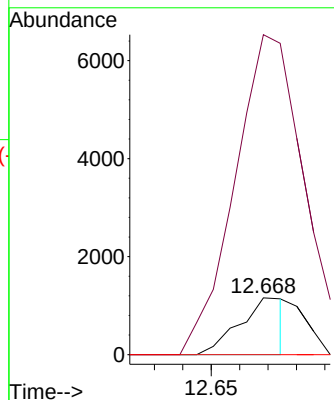
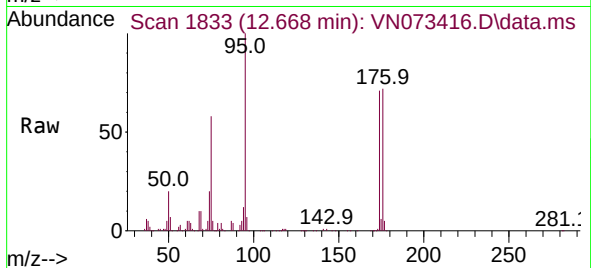




#71
Bromoform
Concen: 0.536 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN073416.D
Acq: 11 Jul 2022 13:53

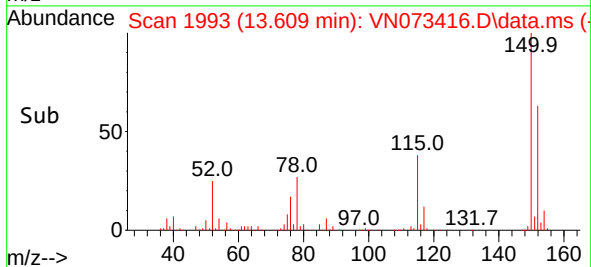
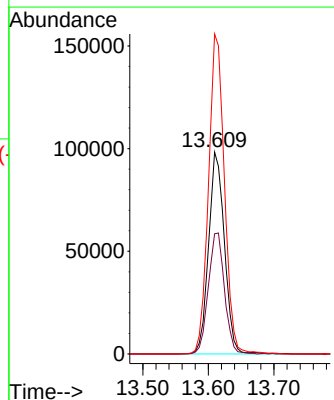
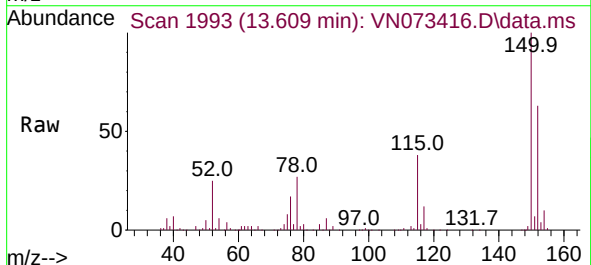
Instrument :
MSVOA_N
ClientSampleId :
TB-01-070822

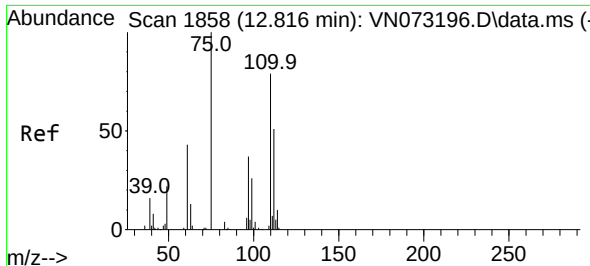
Tgt Ion:173 Resp: 1297
Ion Ratio Lower Upper
173 100
175 620.7 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.609 min Scan# 1993
Delta R.T. -0.001 min
Lab File: VN073416.D
Acq: 11 Jul 2022 13:53

Tgt Ion:152 Resp: 165498
Ion Ratio Lower Upper
152 100
115 61.1 28.9 86.7
150 159.0 0.0 356.2

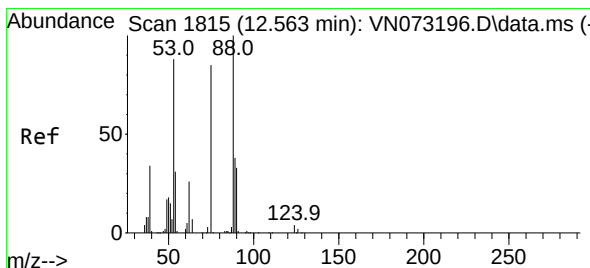
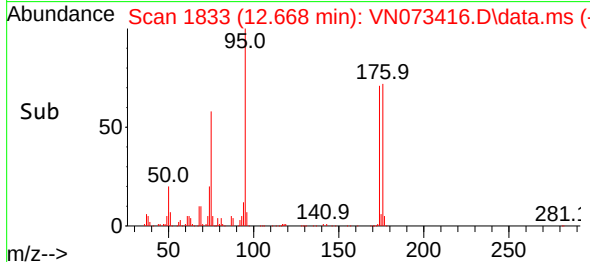
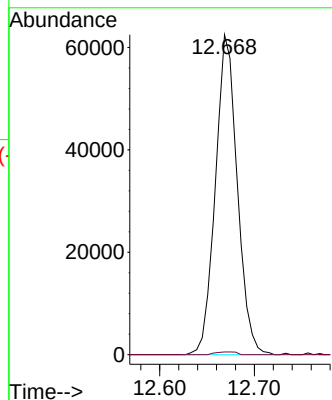
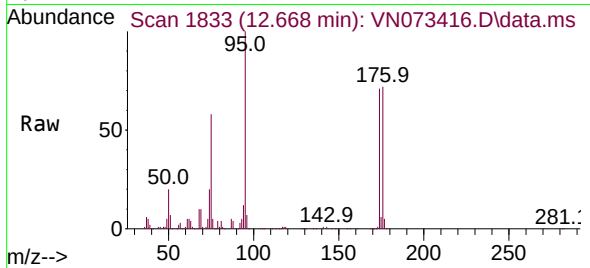




#76
 1,2,3-Trichloropropane
 Concen: 23.235 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.148 min
 Lab File: VN073416.D
 Acq: 11 Jul 2022 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-01-070822

Tgt Ion: 75 Resp: 100549
 Ion Ratio Lower Upper
 75 100
 77 0.8 98.5 295.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.722 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. 0.105 min
 Lab File: VN073416.D
 Acq: 11 Jul 2022 13:53

Tgt Ion: 75 Resp: 100549
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#

