

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061622\
 Data File : VN072896.D
 Acq On : 16 Jun 2022 22:27
 Operator : JC\MD
 Sample : N3202-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 17 06:07:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061622W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 17 06:04:26 2022
 Response via : Initial Calibration

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

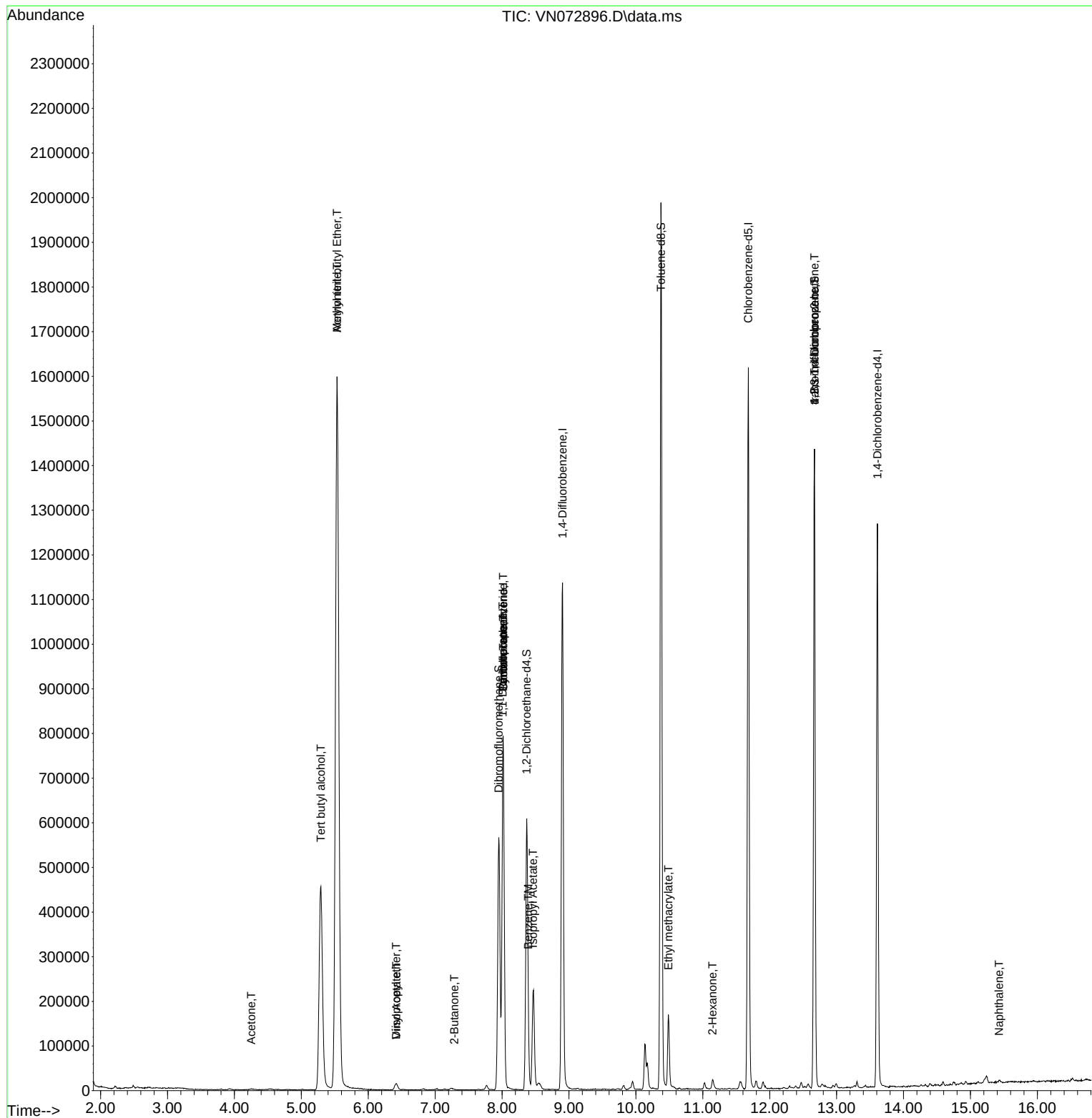
Internal Standards						
1) Pentafluorobenzene	8.016	168	629773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	1042797	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	912850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	354362	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	496196	42.646	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	85.300%
35) Dibromofluoromethane	7.951	113	425533	44.924	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	89.840%
50) Toluene-d8	10.374	98	1379024	37.193	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	74.380%
62) 4-Bromofluorobenzene	12.668	95	514012	39.964	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	79.920%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.292	59	924723	305.243	ug/l	99
13) Acrolein	4.016	56	128	Below Cal	#	16
15) Acrylonitrile	5.534	53	26885	4.090	ug/l #	31
16) Acetone	4.251	43	4027	0.686	ug/l #	70
19) Methyl tert-butyl Ether	5.534	73	2760310	85.906	ug/l	99
22) Diisopropyl ether	6.416	45	19346	0.588	ug/l	90
23) Vinyl Acetate	6.422	43	9833	0.329	ug/l #	68
25) 2-Butanone	7.286	43	2248	0.240	ug/l #	83
31) Cyclohexane	8.016	56	12375	0.793	ug/l #	1
36) 1,1-Dichloropropene	8.010	75	46305	3.579	ug/l #	48
38) Carbon Tetrachloride	8.016	117	61198	4.394	ug/l #	16
40) Benzene	8.392	78	20929	0.508	ug/l	99
43) Isopropyl Acetate	8.463	43	55508	1.905	ug/l #	55
56) Ethyl methacrylate	10.486	69	15318	0.838	ug/l #	36
59) 2-Hexanone	11.145	43	6644	0.475	ug/l	85
76) 1,2,3-Trichloropropane	12.668	75	258224	24.516	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	258224	69.825	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.533	75	153	Below Cal	#	1
95) Naphthalene	15.427	128	4948	0.220	ug/l	96

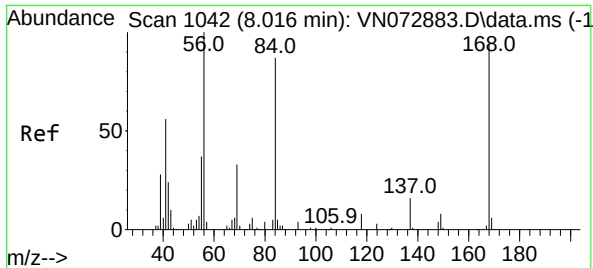
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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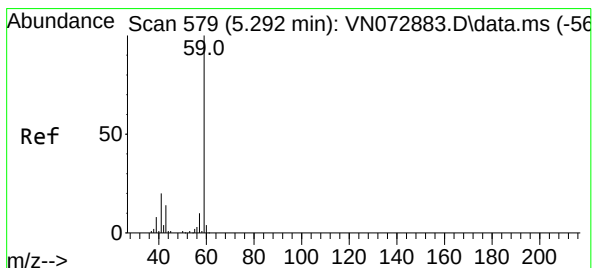
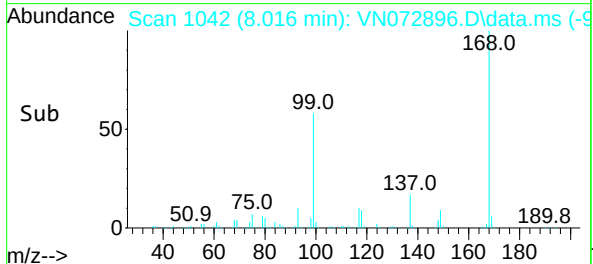
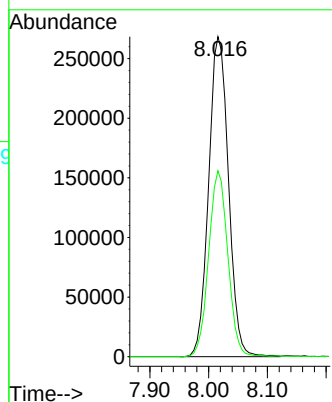
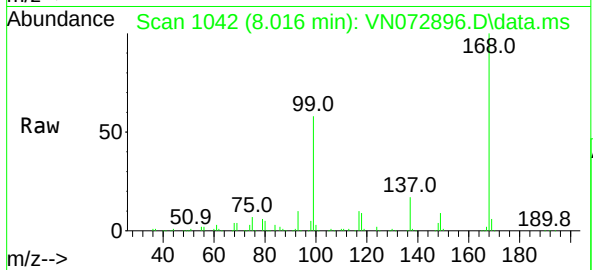




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

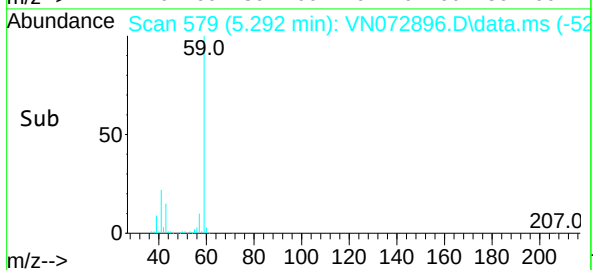
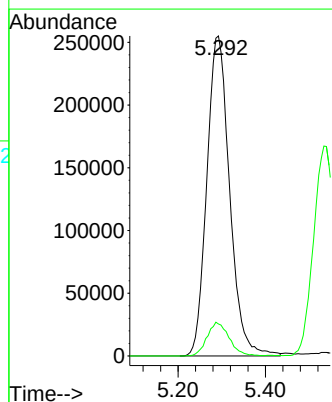
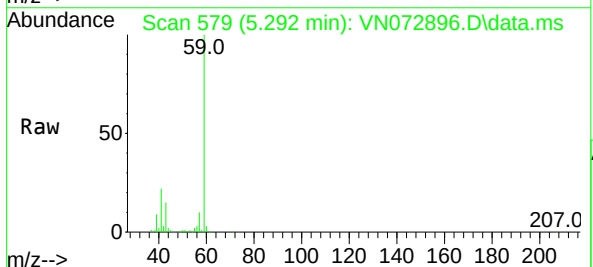
Instrument :
MSVOA_N
ClientSampleId :

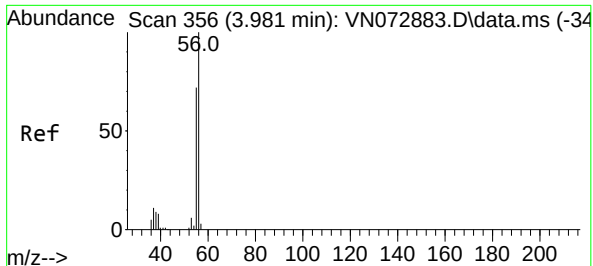
Tgt Ion:168 Resp: 629773
Ion Ratio Lower Upper
168 100
99 58.1 42.3 63.5



#11
Tert butyl alcohol
Concen: 305.243 ug/l
RT: 5.292 min Scan# 579
Delta R.T. 0.000 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

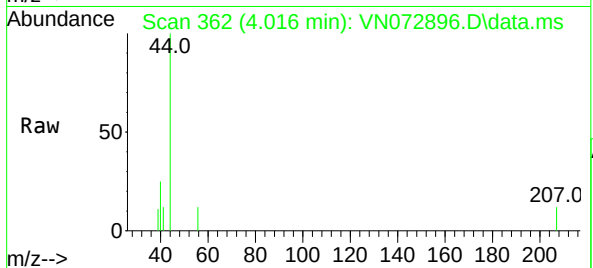
Tgt Ion: 59 Resp: 924723
Ion Ratio Lower Upper
59 100
57 10.2 8.3 12.5



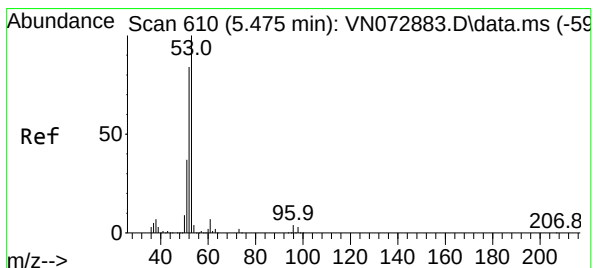
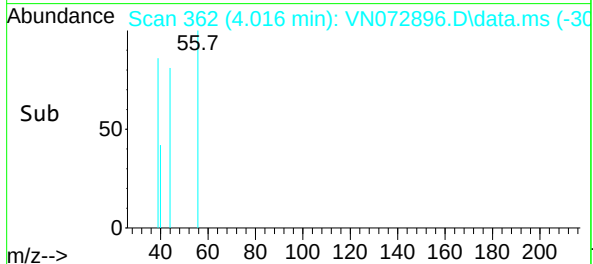
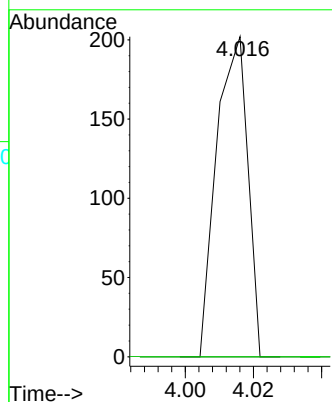


#13
Acrolein
Concen: Below Cal
RT: 4.016 min Scan# 30
Delta R.T. 0.035 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

Instrument :
MSVOA_N
ClientSampleId :

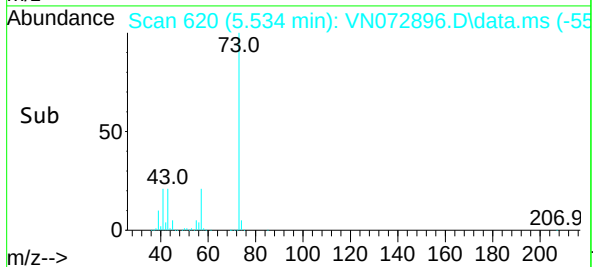
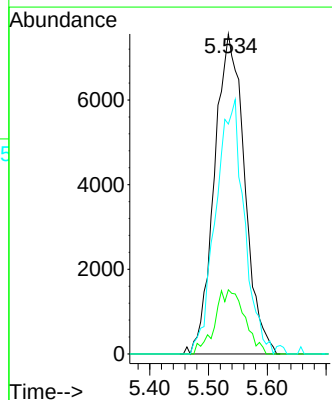
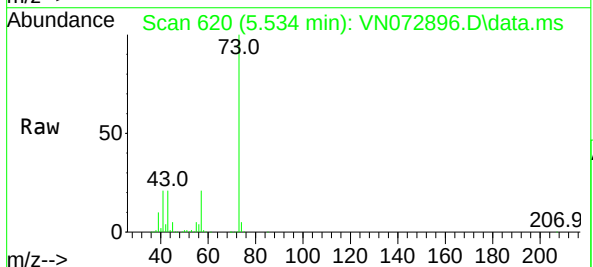


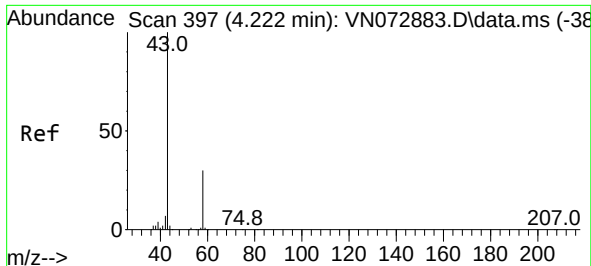
Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#



#15
Acrylonitrile
Concen: 4.090 ug/l
RT: 5.534 min Scan# 620
Delta R.T. 0.059 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

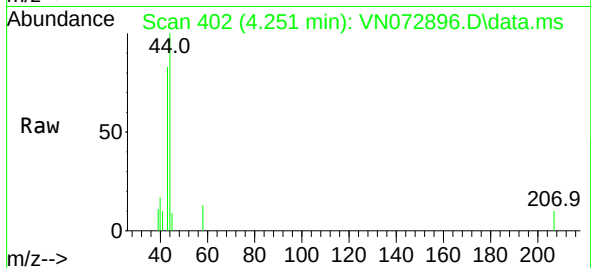
Tgt Ion: 53 Resp: 26885
Ion Ratio Lower Upper
53 100
52 19.9 66.4 99.6#
51 75.4 28.5 42.7#



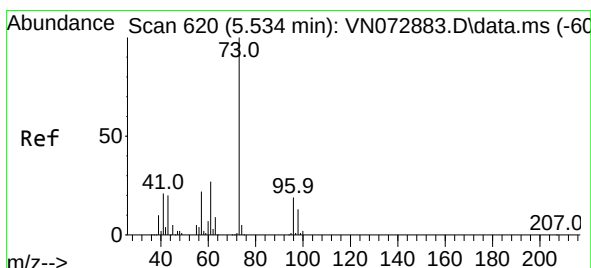
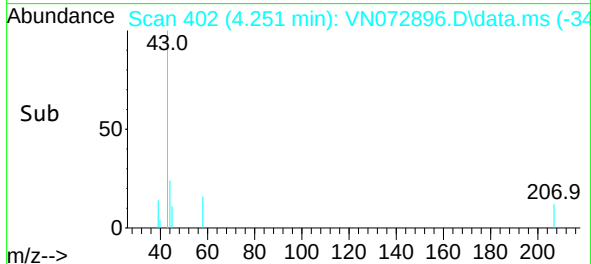
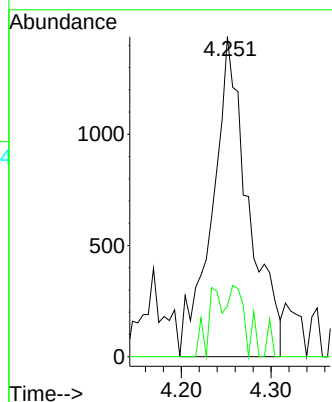


#16
Acetone
Concen: 0.686 ug/l
RT: 4.251 min Scan# 402
Delta R.T. 0.029 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

Instrument :
MSVOA_N
ClientSampleId :

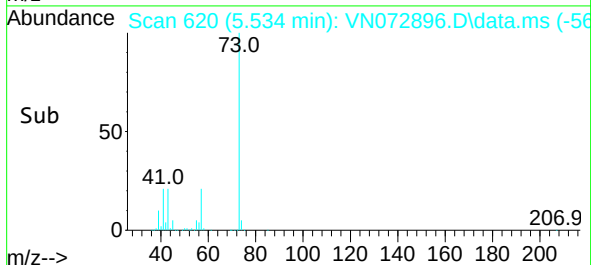
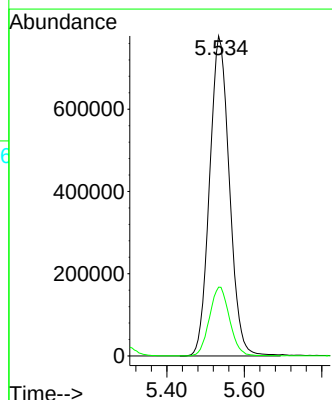
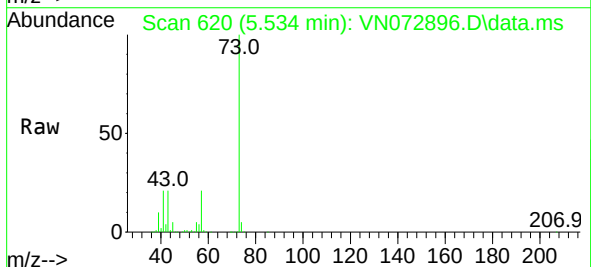


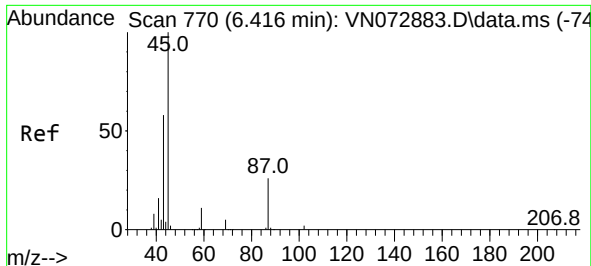
Tgt Ion: 43 Resp: 4027
Ion Ratio Lower Upper
43 100
58 15.8 26.0 39.0#



#19
Methyl tert-butyl Ether
Concen: 85.906 ug/l
RT: 5.534 min Scan# 620
Delta R.T. 0.000 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

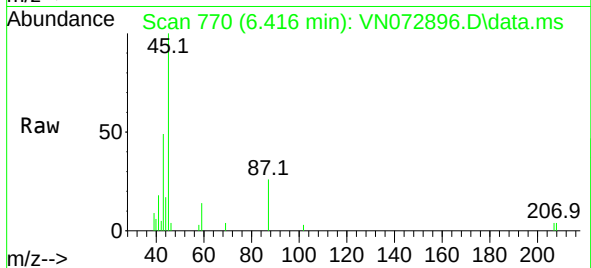
Tgt Ion: 73 Resp: 2760310
Ion Ratio Lower Upper
73 100
57 21.4 17.6 26.4



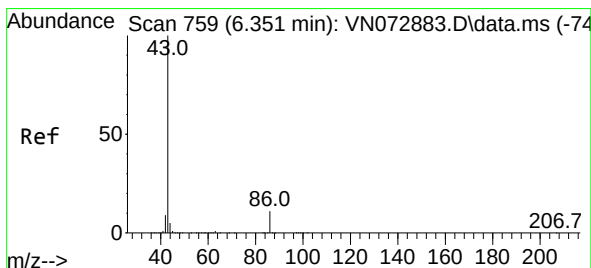
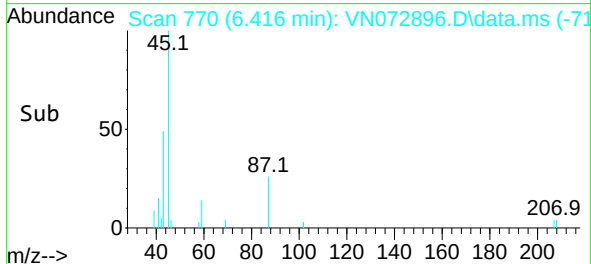
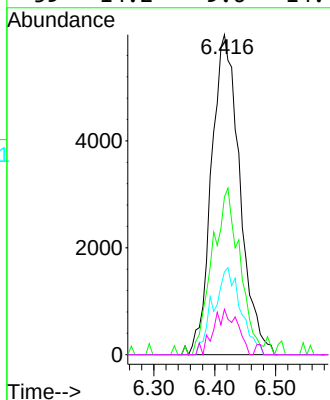


#22
Diisopropyl ether
Concen: 0.588 ug/l
RT: 6.416 min Scan# 770
Delta R.T. 0.000 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

Instrument :
MSVOA_N
ClientSampleId :

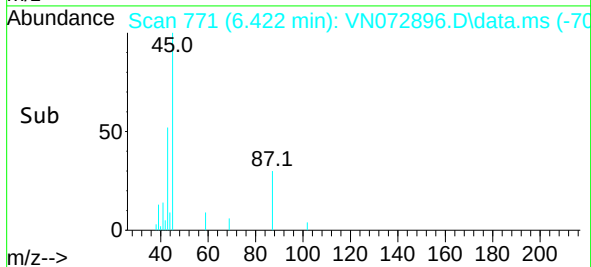
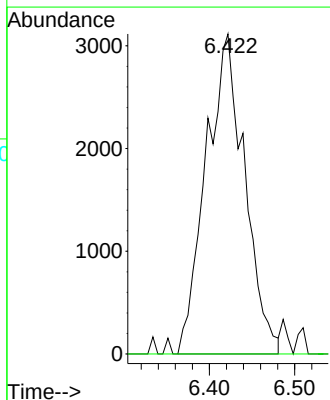
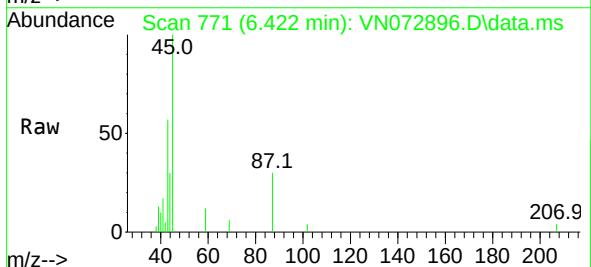


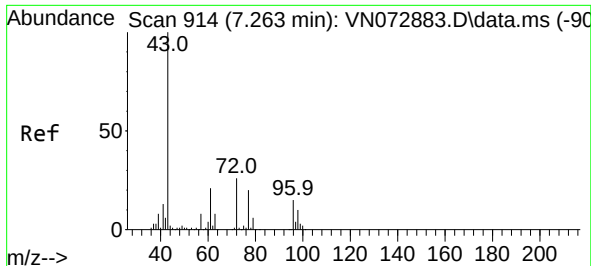
Tgt Ion:	45	Resp:	19346
Ion	Ratio	Lower	Upper
45	100		
43	49.3	46.6	70.0
87	25.8	24.3	36.5
59	14.2	9.6	14.4



#23
Vinyl Acetate
Concen: 0.329 ug/l
RT: 6.422 min Scan# 771
Delta R.T. 0.071 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

Tgt Ion:	43	Resp:	9833
Ion	Ratio	Lower	Upper
43	100		
86	0.0	10.0	15.0#





#25

2-Butanone

Concen: 0.240 ug/l

RT: 7.286 min Scan# 914

Delta R.T. 0.024 min

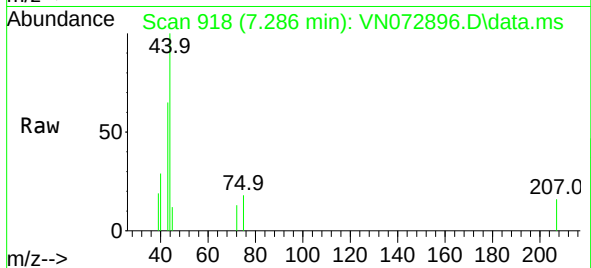
Lab File: VN072896.D

Acq: 16 Jun 2022 22:27

Instrument :

MSVOA_N

ClientSampleId :

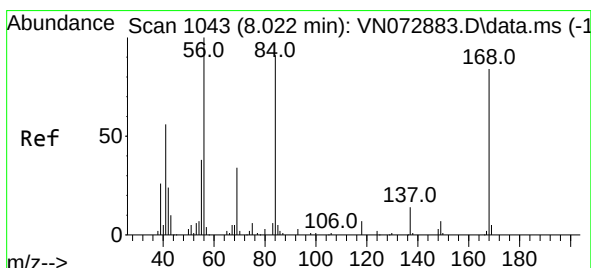
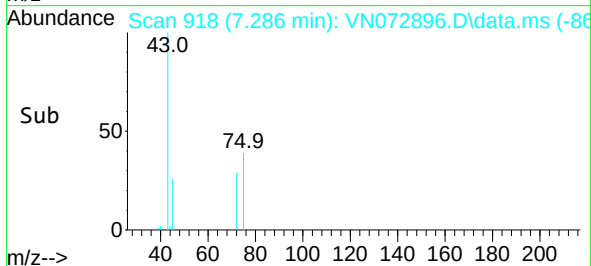
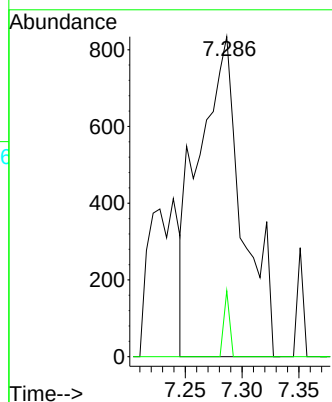


Tgt Ion: 43 Resp: 2248

Ion Ratio Lower Upper

43 100

72 20.6 23.7 35.5#



#31

Cyclohexane

Concen: 0.793 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN072896.D

Acq: 16 Jun 2022 22:27

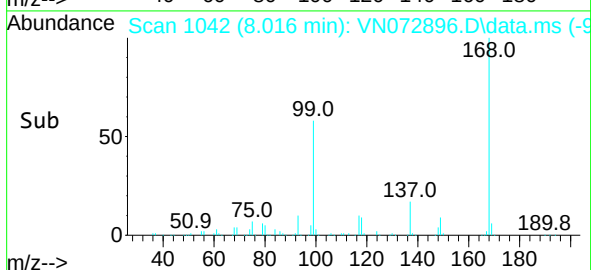
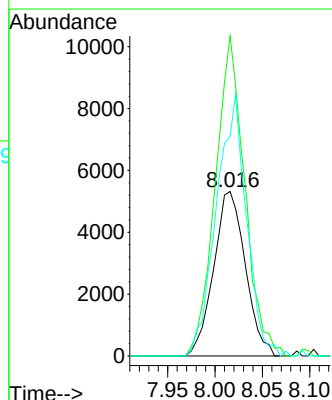
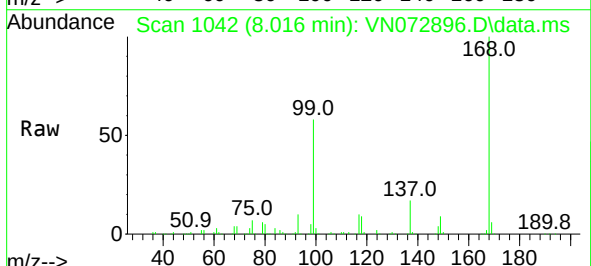
Tgt Ion: 56 Resp: 12375

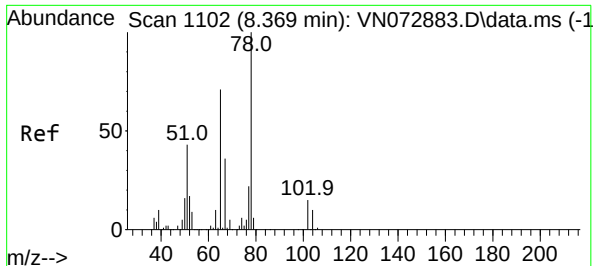
Ion Ratio Lower Upper

56 100

69 194.6 27.8 41.8#

84 133.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 42.646 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN072896.D

Acq: 16 Jun 2022 22:27

Instrument :

MSVOA_N

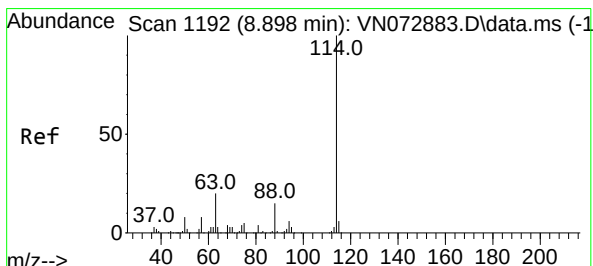
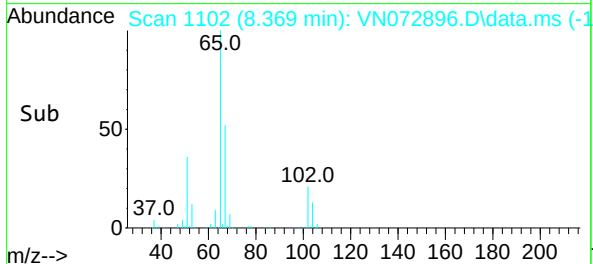
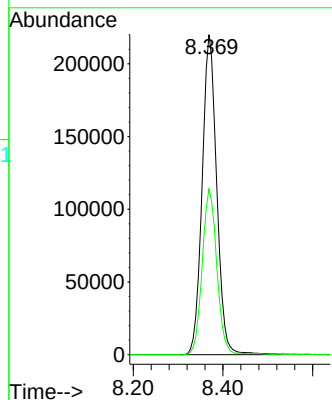
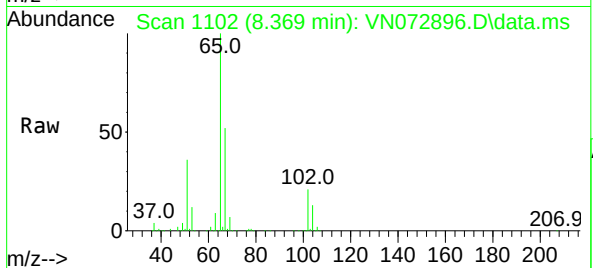
ClientSampleId :

Tgt Ion: 65 Resp: 496196

Ion Ratio Lower Upper

65 100

67 51.8 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: VN072896.D

Acq: 16 Jun 2022 22:27

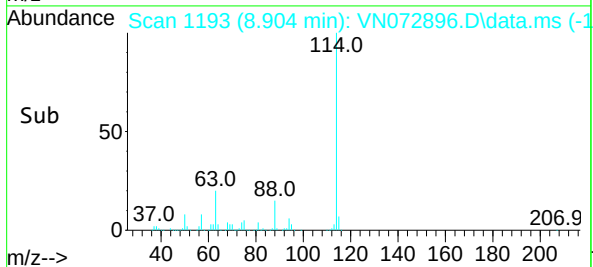
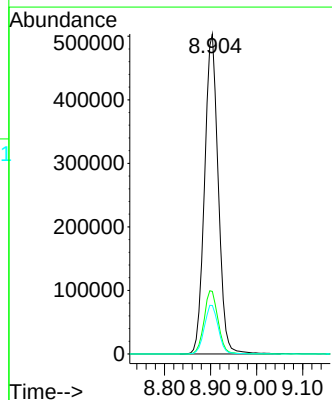
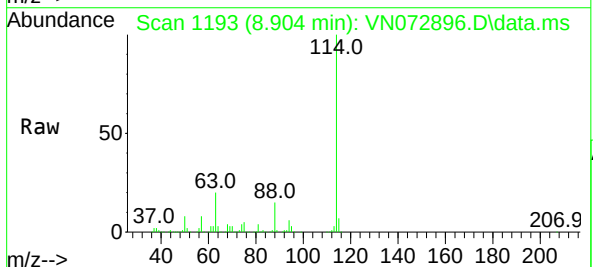
Tgt Ion: 114 Resp: 1042797

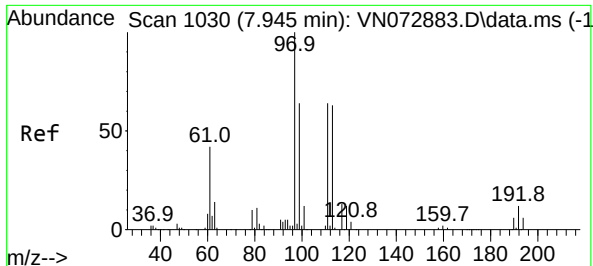
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 15.2 0.0 32.6





#35

Dibromofluoromethane

Concen: 44.924 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VN072896.D

Acq: 16 Jun 2022 22:27

Instrument :

MSVOA_N

ClientSampleId :

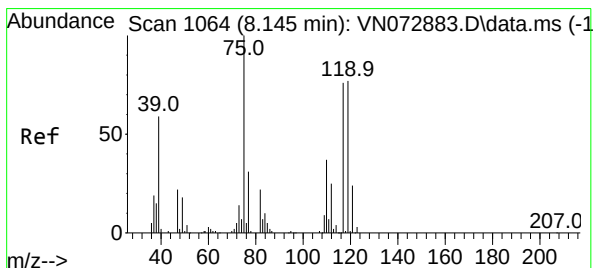
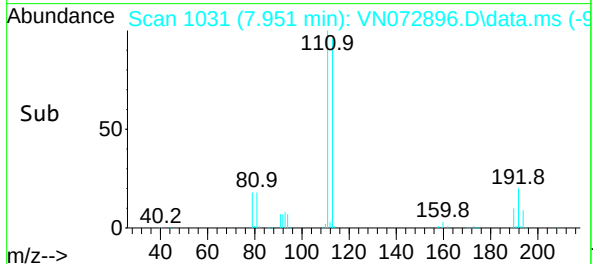
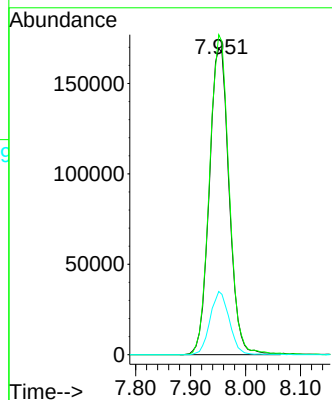
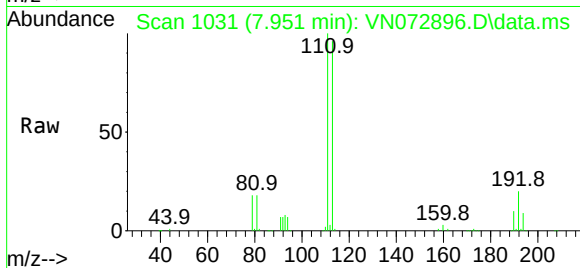
Tgt Ion:113 Resp: 425533

Ion Ratio Lower Upper

113 100

111 102.7 81.4 122.0

192 19.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 3.579 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.135 min

Lab File: VN072896.D

Acq: 16 Jun 2022 22:27

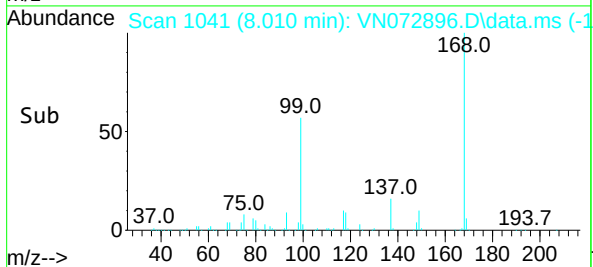
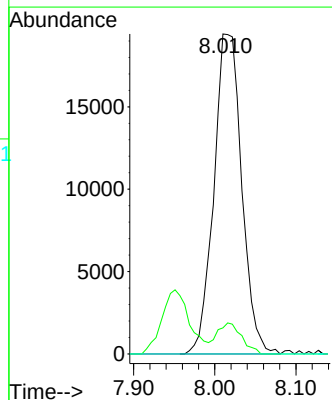
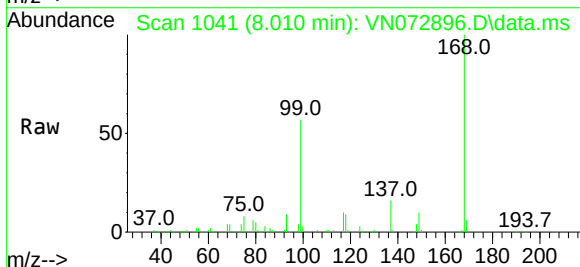
Tgt Ion: 75 Resp: 46305

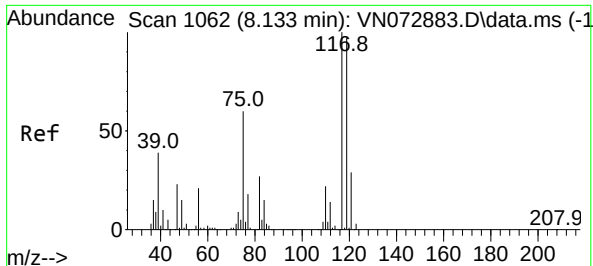
Ion Ratio Lower Upper

75 100

110 8.6 18.3 54.8#

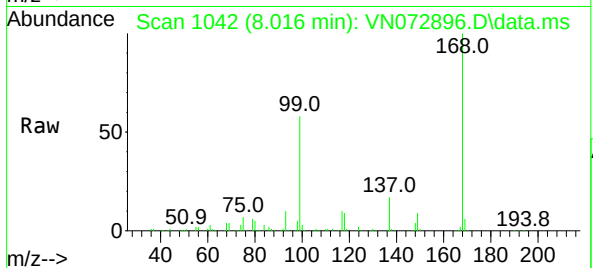
77 0.0 25.1 37.7#



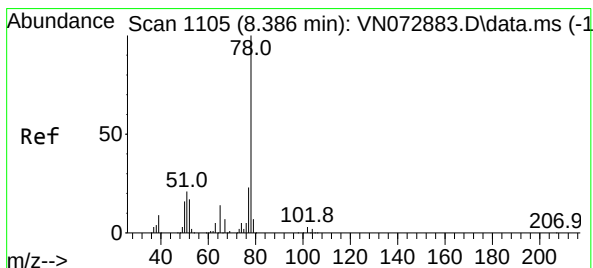
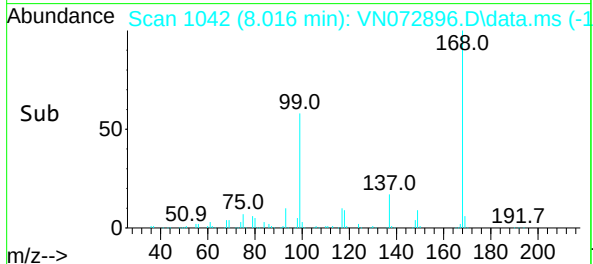
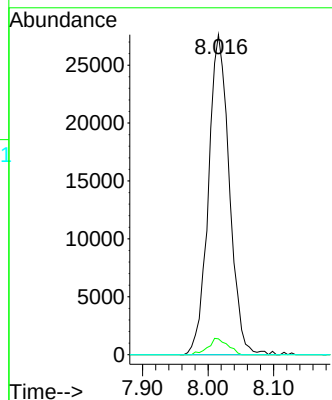


#38
Carbon Tetrachloride
Concen: 4.394 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.118 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

Instrument :
MSVOA_N
ClientSampleId :

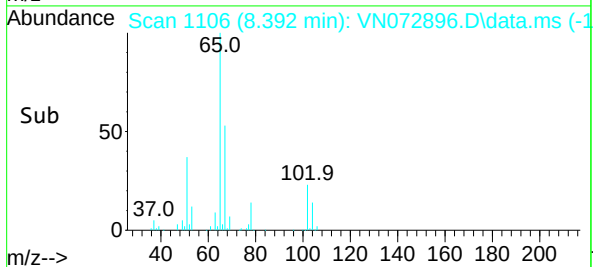
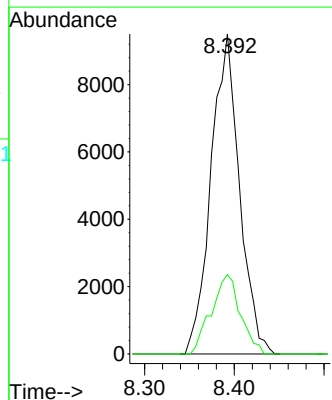
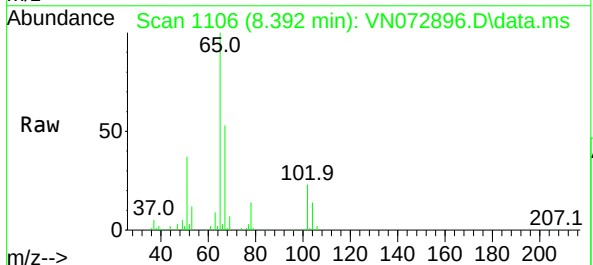


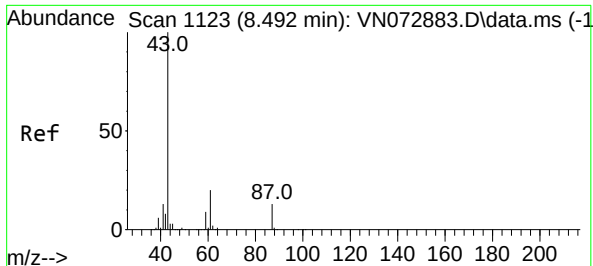
Tgt Ion:117 Resp: 61198
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.508 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

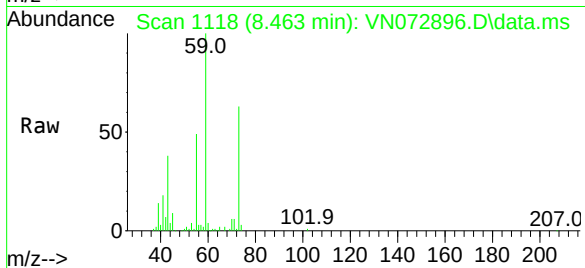
Tgt Ion: 78 Resp: 20929
Ion Ratio Lower Upper
78 100
77 24.8 19.4 29.0



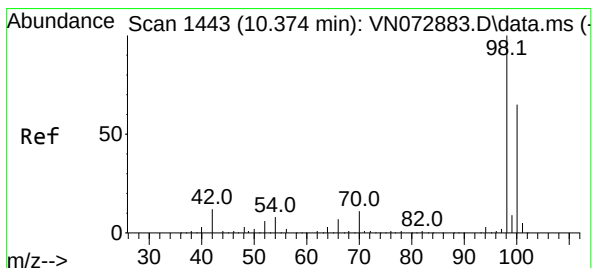
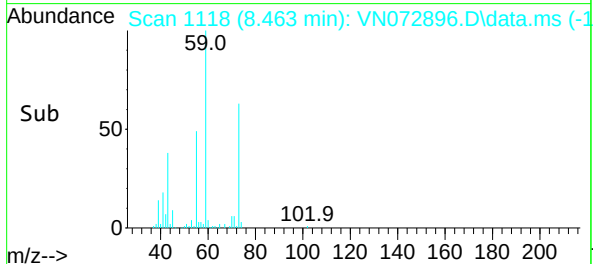
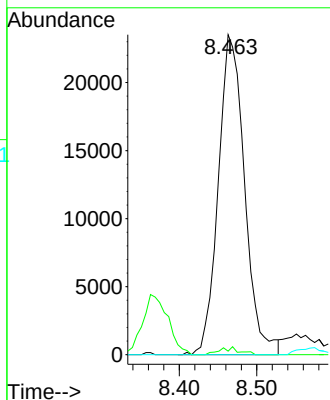


#43
Isopropyl Acetate
Concen: 1.905 ug/l
RT: 8.463 min Scan# 1118
Delta R.T. -0.029 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

Instrument :
MSVOA_N
ClientSampleId :

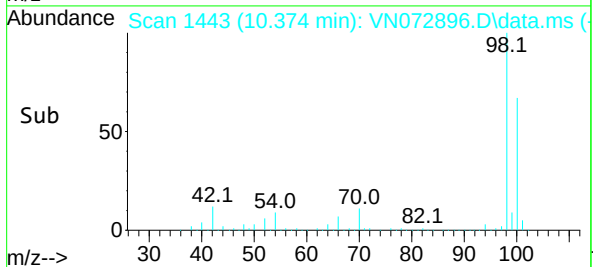
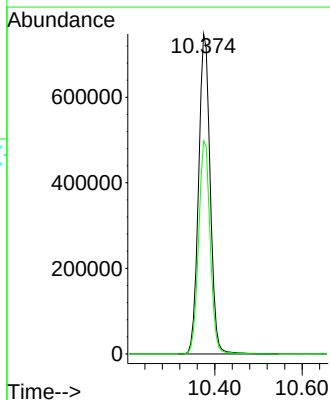
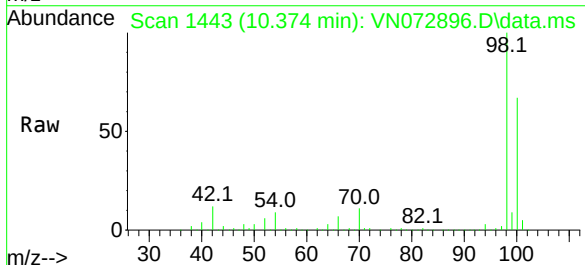


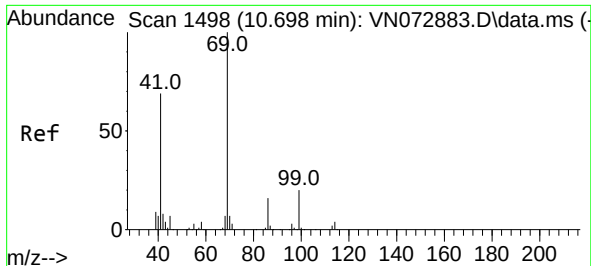
Tgt Ion: 43 Resp: 55508
Ion Ratio Lower Upper
43 100
61 1.8 21.9 32.9#
87 0.0 12.0 18.0#



#50
Toluene-d8
Concen: 37.193 ug/l
RT: 10.374 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

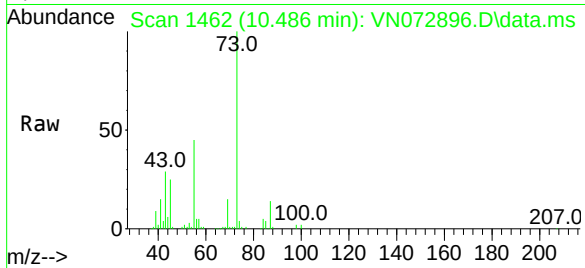
Tgt Ion: 98 Resp: 1379024
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



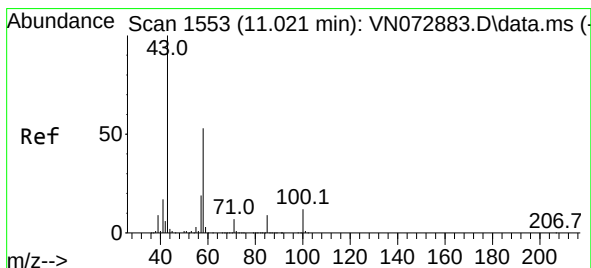
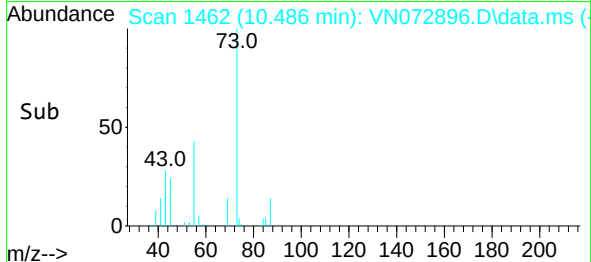
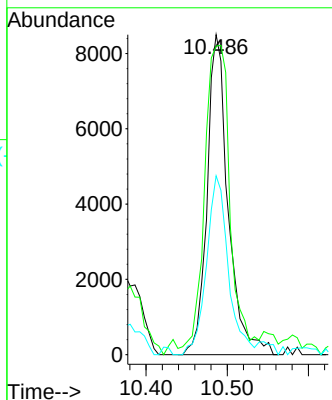


#56
Ethyl methacrylate
Concen: 0.838 ug/l
RT: 10.486 min Scan# 1498
Delta R.T. -0.212 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

Instrument :
MSVOA_N
ClientSampleId :

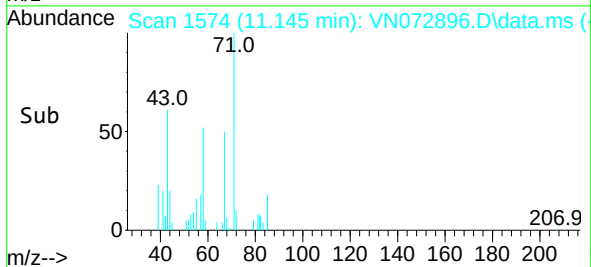
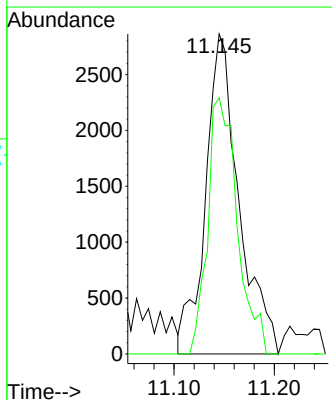
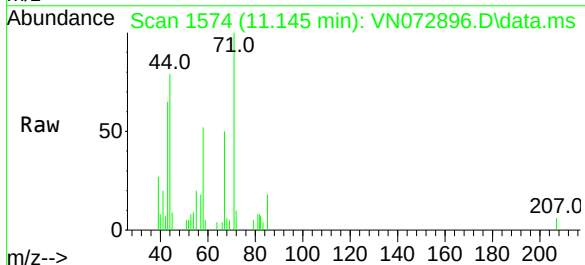


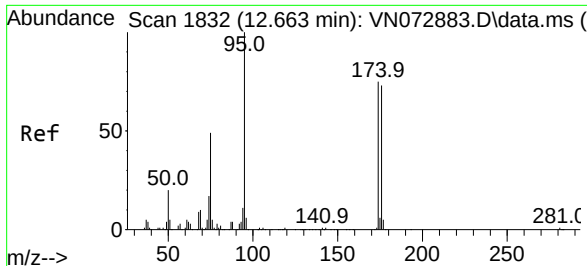
Tgt Ion: 69 Resp: 15318
Ion Ratio Lower Upper
69 100
41 118.1 47.8 71.6#
39 57.8 27.3 40.9#



#59
2-Hexanone
Concen: 0.475 ug/l
RT: 11.145 min Scan# 1574
Delta R.T. 0.124 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

Tgt Ion: 43 Resp: 6644
Ion Ratio Lower Upper
43 100
58 70.8 29.7 89.1

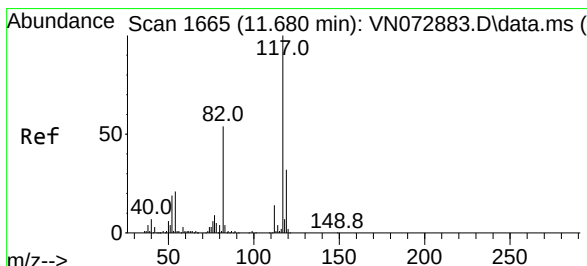
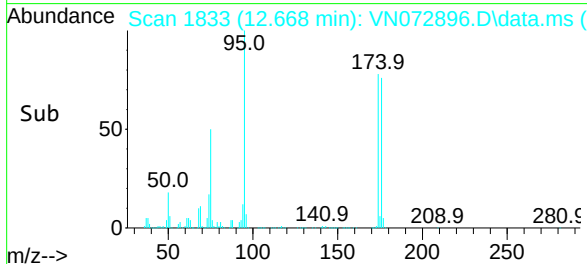
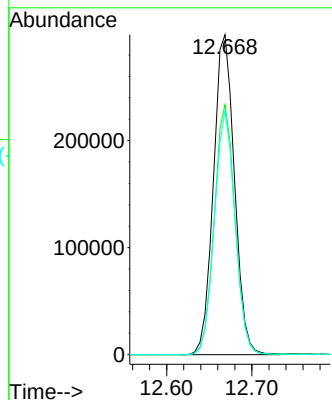
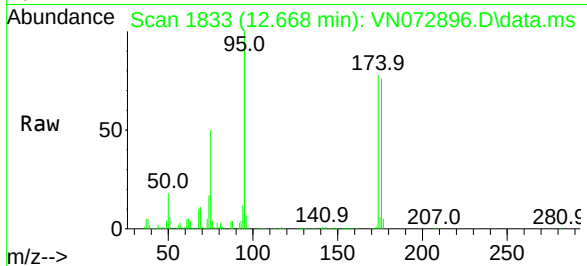




#62
4-Bromofluorobenzene
Concen: 39.964 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.006 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

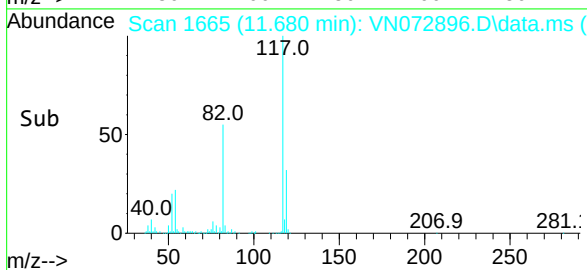
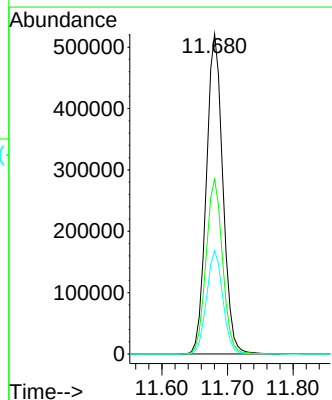
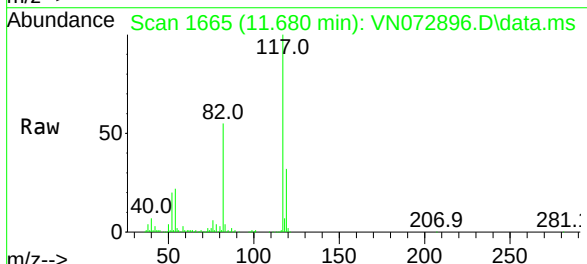
Instrument :
MSVOA_N
ClientSampleId :

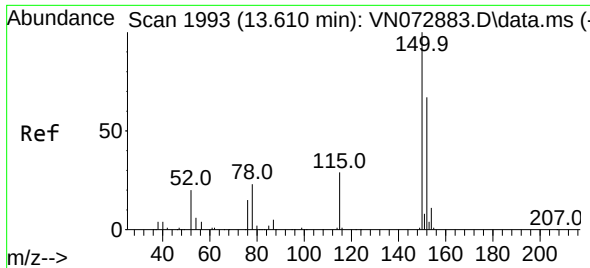
Tgt Ion: 95 Resp: 514012
Ion Ratio Lower Upper
95 100
174 77.2 0.0 167.6
176 74.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN072896.D
Acq: 16 Jun 2022 22:27

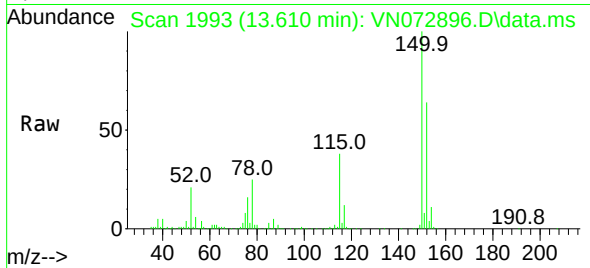
Tgt Ion: 117 Resp: 912850
Ion Ratio Lower Upper
117 100
82 54.6 44.2 66.2
119 32.3 25.4 38.0



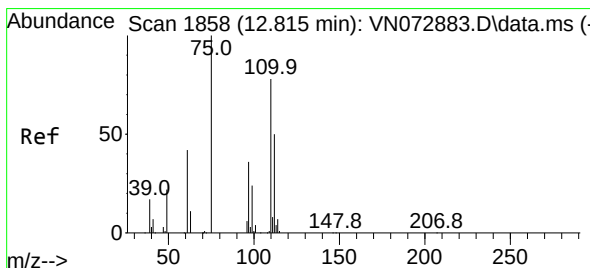
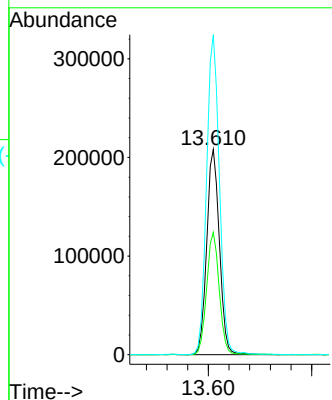
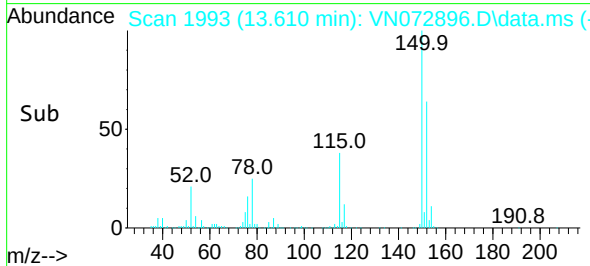


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. 0.000 min
 Lab File: VN072896.D
 Acq: 16 Jun 2022 22:27

Instrument :
 MSVOA_N
 ClientSampleId :

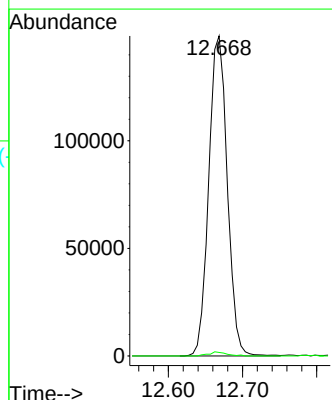
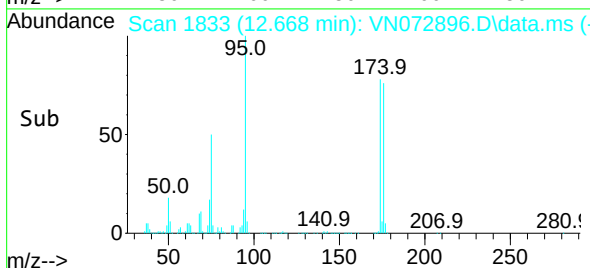
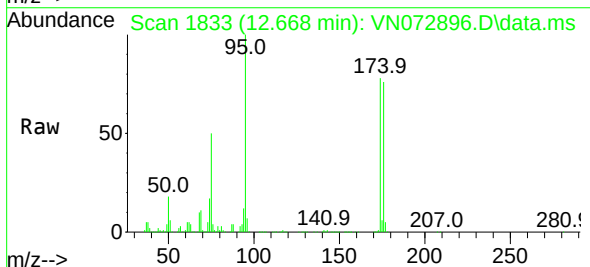


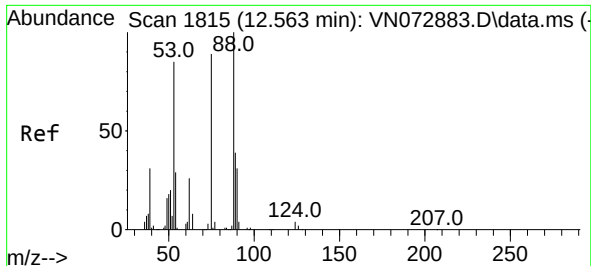
Tgt Ion:152 Resp: 354362
 Ion Ratio Lower Upper
 152 100
 115 59.0 28.9 86.7
 150 157.6 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 24.516 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN072896.D
 Acq: 16 Jun 2022 22:27

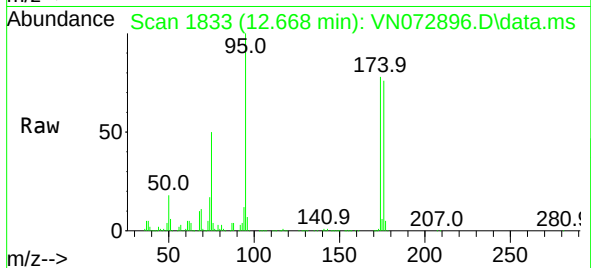
Tgt Ion: 75 Resp: 258224
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#



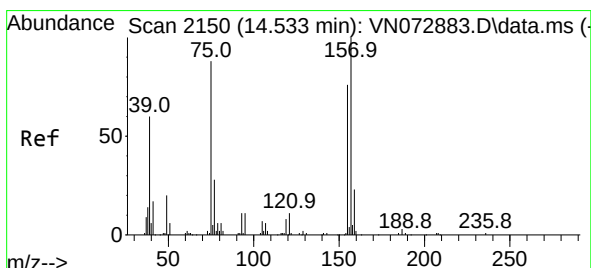
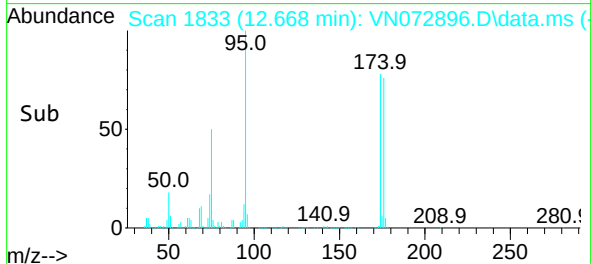
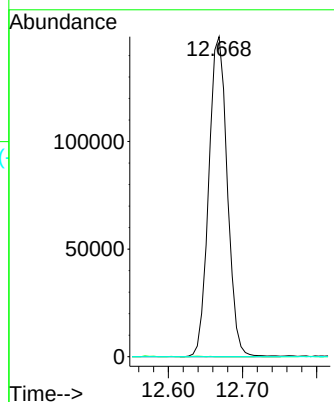


#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.825 ug/l
 RT: 12.668 min Scan# 1815
 Delta R.T. 0.106 min
 Lab File: VN072896.D
 Acq: 16 Jun 2022 22:27

Instrument :
 MSVOA_N
 ClientSampleId :

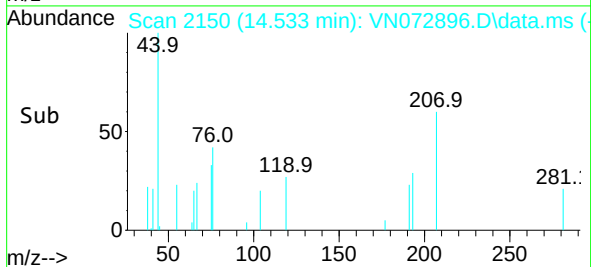
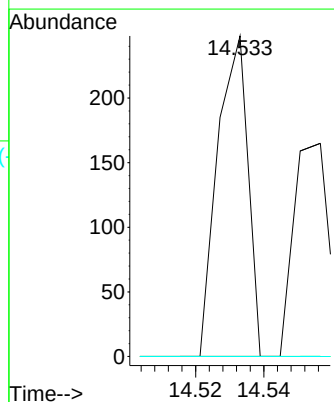
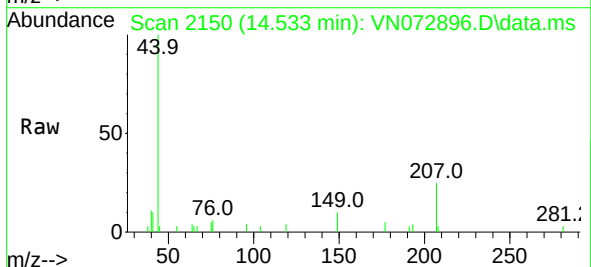


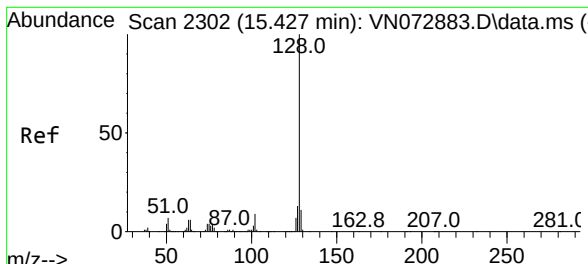
Tgt Ion: 75 Resp: 258224
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.533 min Scan# 2150
 Delta R.T. 0.000 min
 Lab File: VN072896.D
 Acq: 16 Jun 2022 22:27

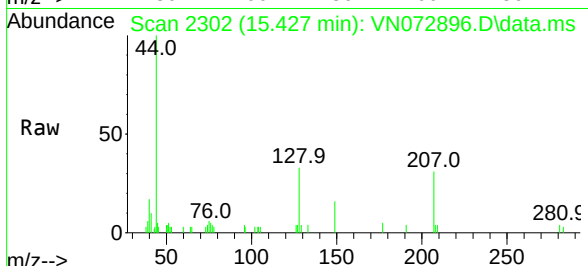
Tgt Ion: 75 Resp: 153
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.9 134.5#
 157 0.0 59.0 176.8#





#95
 Naphthalene
 Concen: 0.220 ug/l
 RT: 15.427 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN072896.D
 Acq: 16 Jun 2022 22:27

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	4948
Ion	Ratio	Lower	Upper
128	100		
127	11.1	10.3	15.5
129	11.7	8.6	13.0

