

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070122\
 Data File : VN073282.D
 Acq On : 01 Jul 2022 08:53
 Operator : JC\MD
 Sample : VN0701MBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBL01

Quant Time: Jul 01 16:15:20 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)

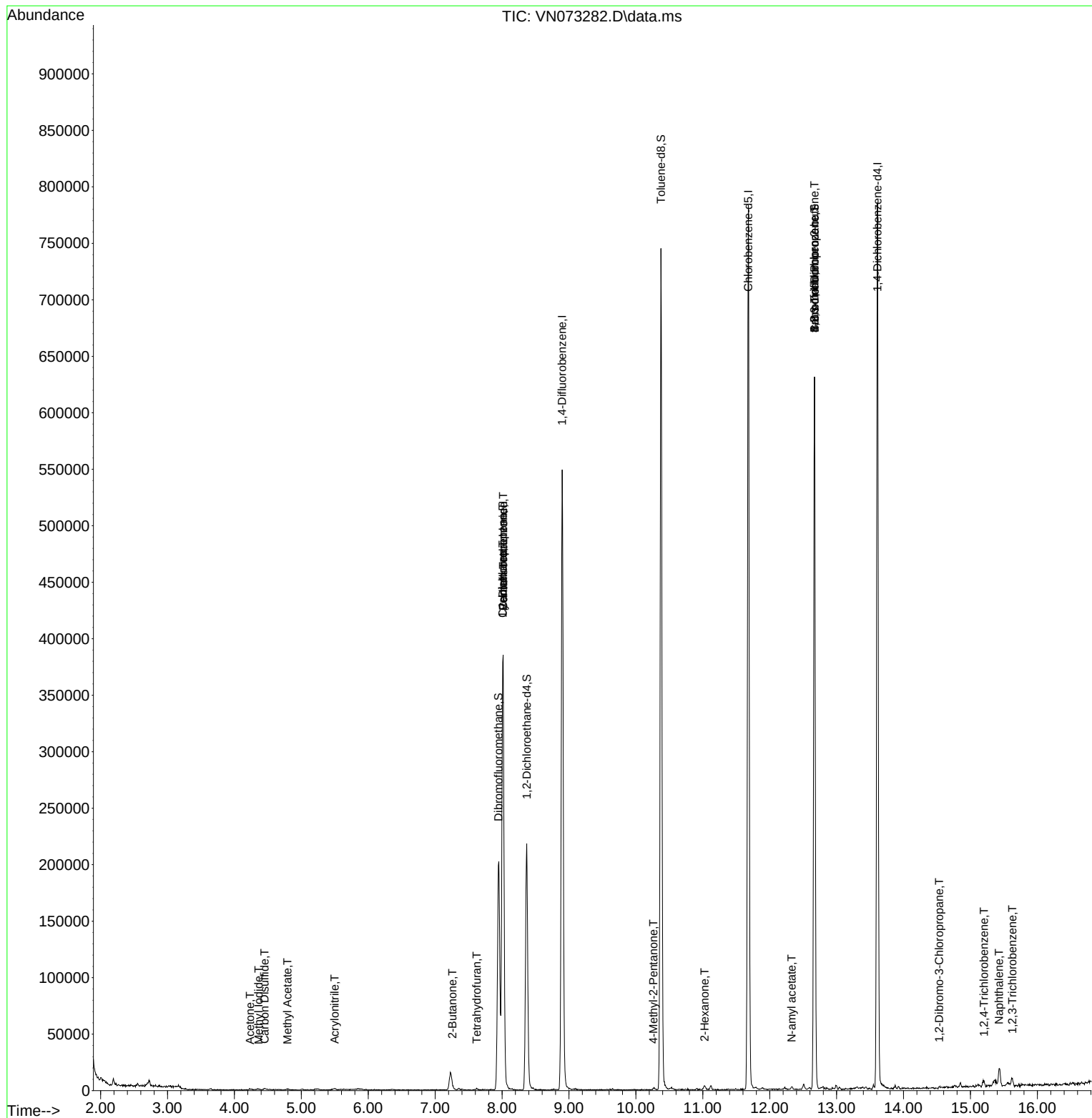
Internal Standards						
1) Pentafluorobenzene	8.016	168	295442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	482809	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	444539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	208948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	184933	43.360	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	86.720%
35) Dibromofluoromethane	7.945	113	153003	47.632	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.260%
50) Toluene-d8	10.375	98	504510	44.222	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	88.440%
62) 4-Bromofluorobenzene	12.669	95	220897	50.384	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.760%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.363	142	1213	3.958	ug/l #	72
15) Acrylonitrile	5.498	53	1445	0.543	ug/l #	22
16) Acetone	4.234	43	872	0.364	ug/l #	10
17) Carbon Disulfide	4.451	76	2563	0.284	ug/l #	75
18) Methyl Acetate	4.793	43	1843	0.275	ug/l #	68
25) 2-Butanone	7.257	43	1962	0.515	ug/l	98
29) Tetrahydrofuran	7.622	42	1169	0.448	ug/l #	58
31) Cyclohexane	8.010	56	6178	0.884	ug/l #	7
36) 1,1-Dichloropropene	8.010	75	24339	4.924	ug/l #	49
38) Carbon Tetrachloride	8.016	117	29586	5.788	ug/l #	16
51) 4-Methyl-2-Pentanone	10.263	43	1696	0.249	ug/l #	79
59) 2-Hexanone	11.027	43	3353	0.646	ug/l	79
71) Bromoform	12.669	173	983	0.363	ug/l #	1
74) N-amyl acetate	12.327	43	2007	0.222	ug/l #	73
76) 1,2,3-Trichloropropane	12.669	75	115820	21.199	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	115820	58.136	ug/l #	10
92) 1,2-Dibromo-3-Chloropr...	14.533	75	408	0.280	ug/l #	57
93) 1,2,4-Trichlorobenzene	15.204	180	2086	0.523	ug/l	99
95) Naphthalene	15.427	128	15869	0.985	ug/l	98
96) 1,2,3-Trichlorobenzene	15.627	180	3146	0.764	ug/l	93

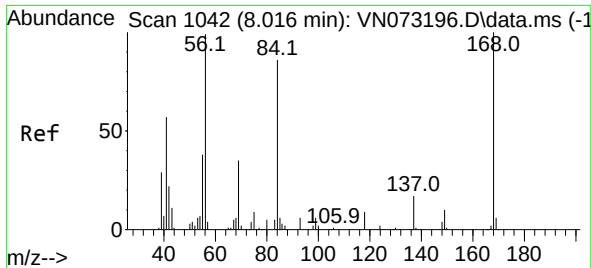
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VN0701MBL01
Misc : 5.0mL/MSVOA_N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

Quant Time: Jul 01 16:15:20 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

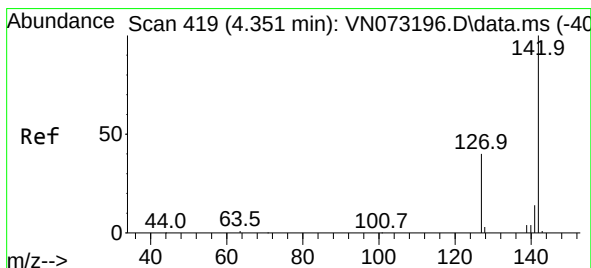
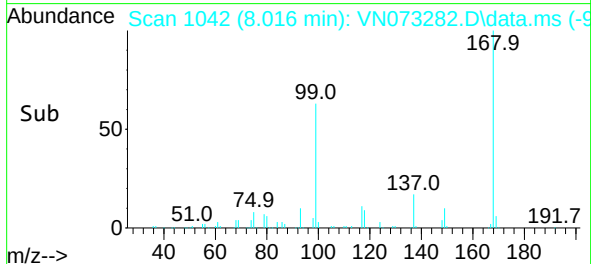
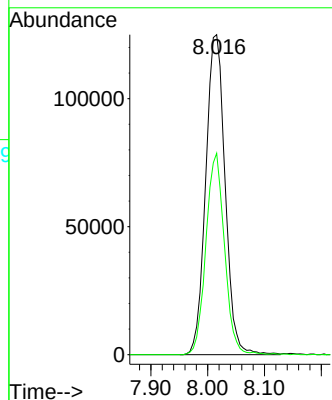
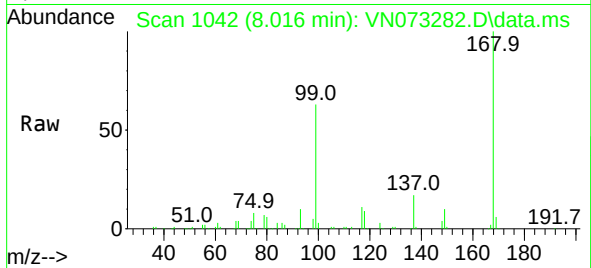




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

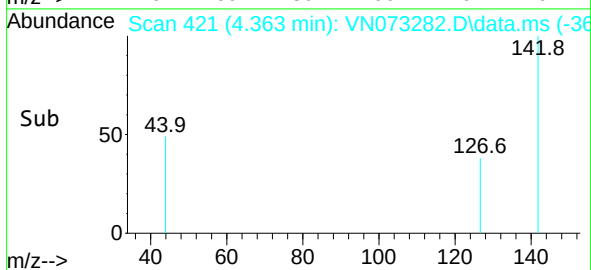
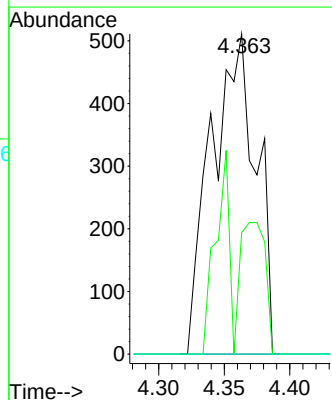
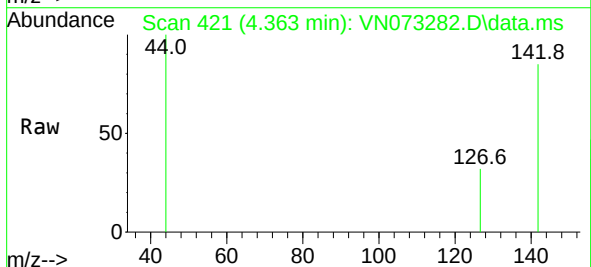
Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

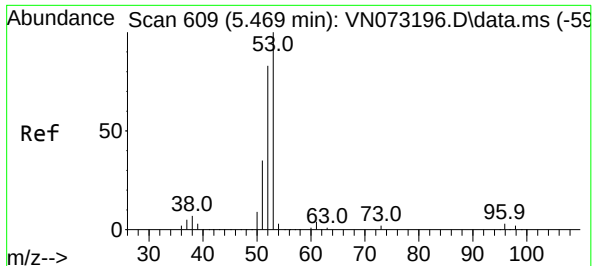
Tgt Ion:168 Resp: 295442
Ion Ratio Lower Upper
168 100
99 62.9 42.3 63.5



#10
Methyl Iodide
Concen: 3.958 ug/l
RT: 4.363 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Tgt Ion:142 Resp: 1213
Ion Ratio Lower Upper
142 100
127 23.1 31.3 46.9#
141 0.0 11.2 16.8#

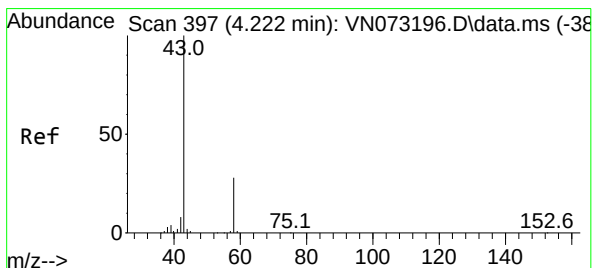
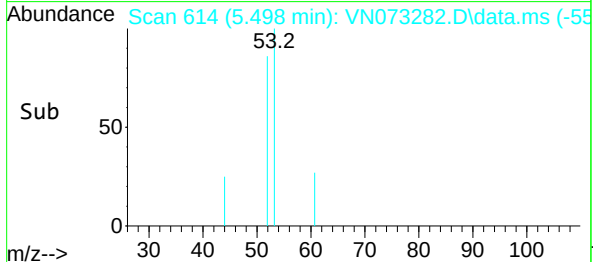
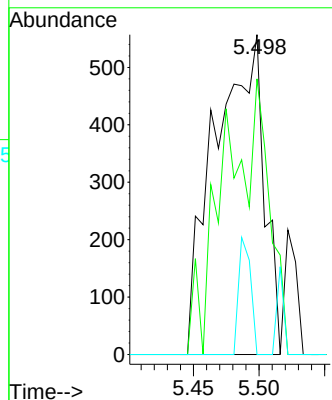
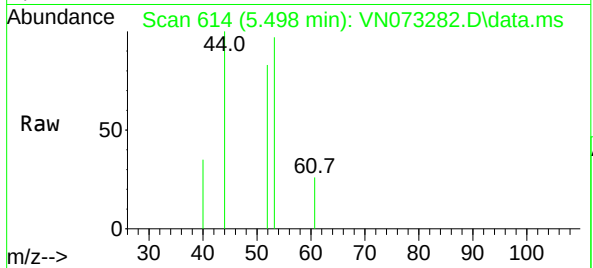




#15
Acrylonitrile
Concen: 0.543 ug/l
RT: 5.498 min Scan# 614
Delta R.T. 0.029 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

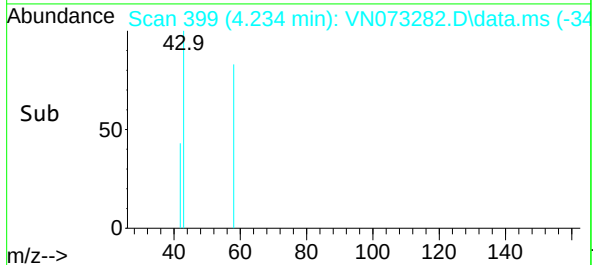
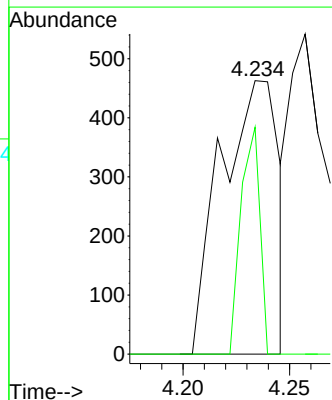
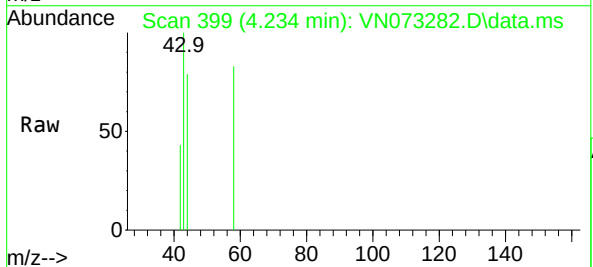
Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

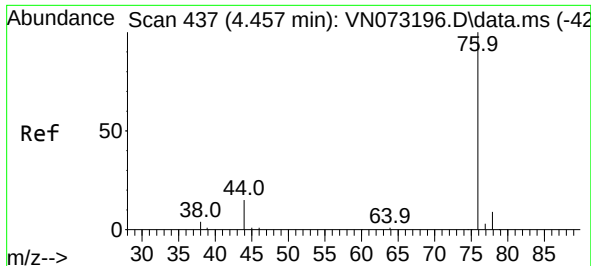
Tgt Ion: 53 Resp: 1445
Ion Ratio Lower Upper
53 100
52 0.0 66.4 99.6#
51 9.0 28.5 42.7#



#16
Acetone
Concen: 0.364 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Tgt Ion: 43 Resp: 872
Ion Ratio Lower Upper
43 100
58 82.9 26.0 39.0#

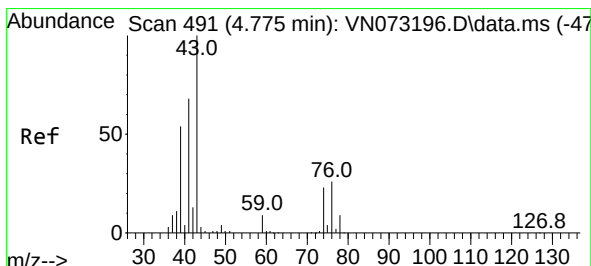
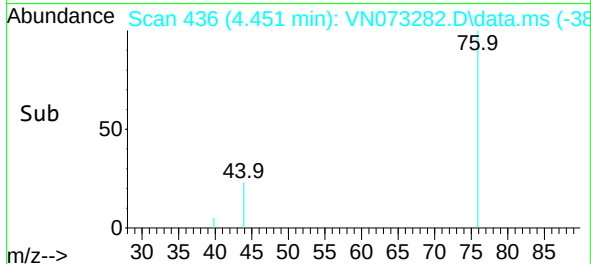
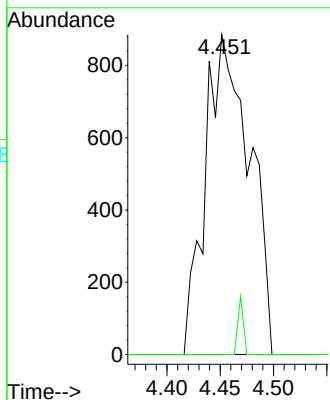
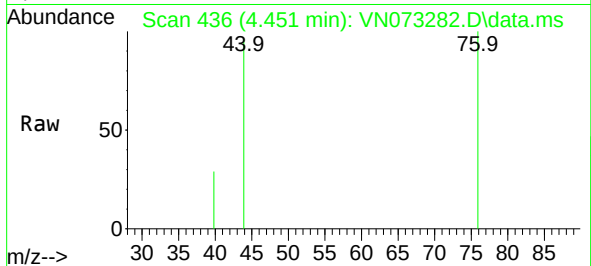




#17
Carbon Disulfide
Concen: 0.284 ug/l
RT: 4.451 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

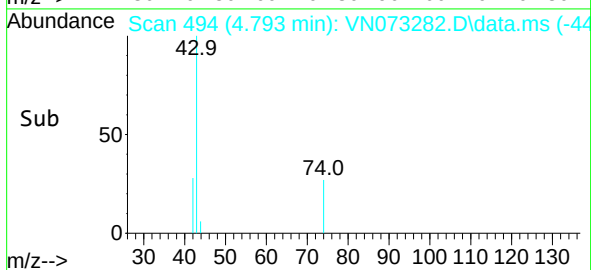
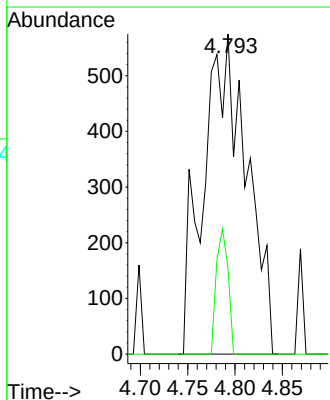
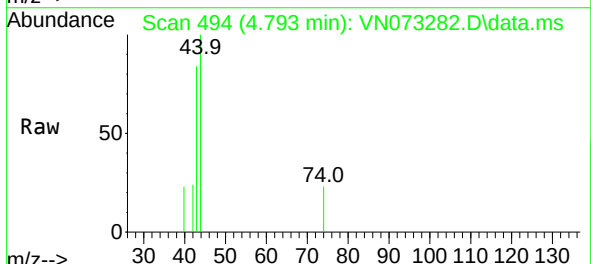
Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

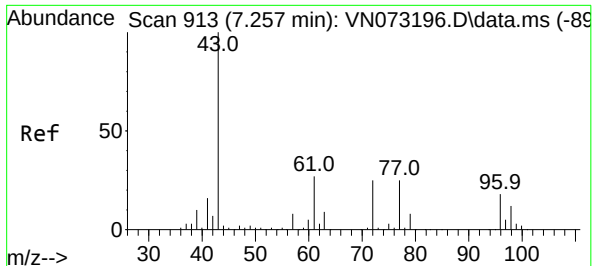
Tgt Ion: 76 Resp: 2563
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.275 ug/l
RT: 4.793 min Scan# 494
Delta R.T. 0.018 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Tgt Ion: 43 Resp: 1843
Ion Ratio Lower Upper
43 100
74 10.5 21.6 32.4#





#25

2-Butanone

Concen: 0.515 ug/l

RT: 7.257 min Scan# 913

Delta R.T. 0.000 min

Lab File: VN073282.D

Acq: 01 Jul 2022 08:53

Instrument :

MSVOA_N

ClientSampleId :

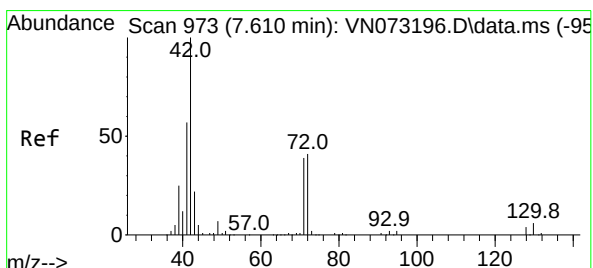
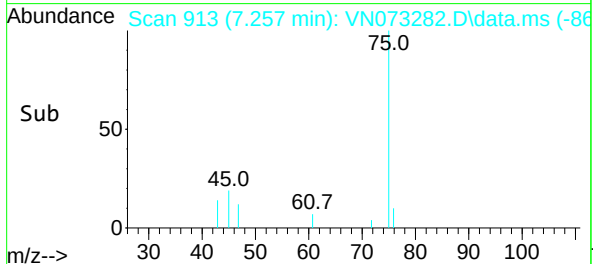
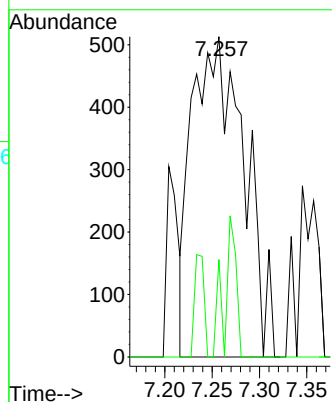
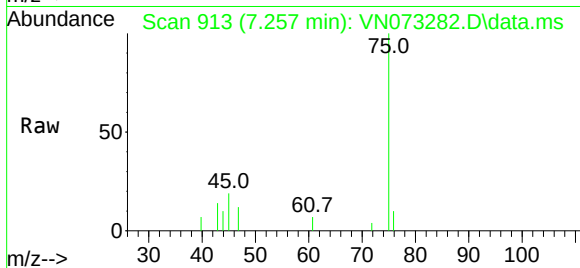
VN0701MBL01

Tgt Ion: 43 Resp: 1962

Ion Ratio Lower Upper

43 100

72 30.4 23.7 35.5



#29

Tetrahydrofuran

Concen: 0.448 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN073282.D

Acq: 01 Jul 2022 08:53

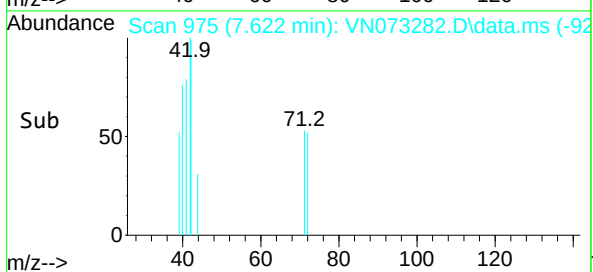
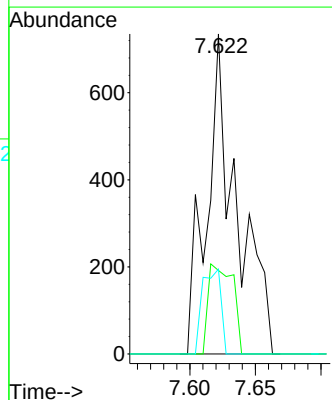
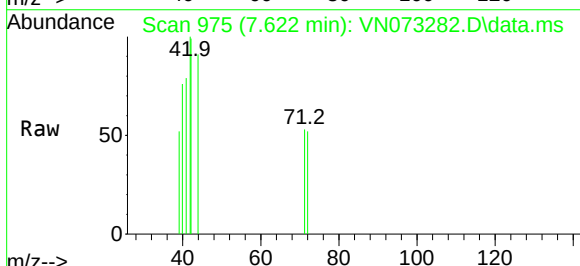
Tgt Ion: 42 Resp: 1169

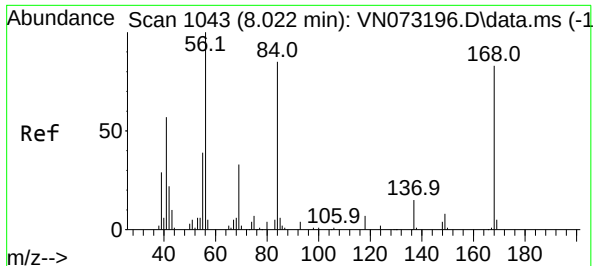
Ion Ratio Lower Upper

42 100

72 22.9 39.7 59.5#

71 16.4 36.6 55.0#





#31

Cyclohexane

Concen: 0.884 ug/l

RT: 8.010 min Scan# 1

Delta R.T. -0.012 min

Lab File: VN073282.D

Acq: 01 Jul 2022 08:53

Instrument :

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ClientSampleId :

VN0701MBL01

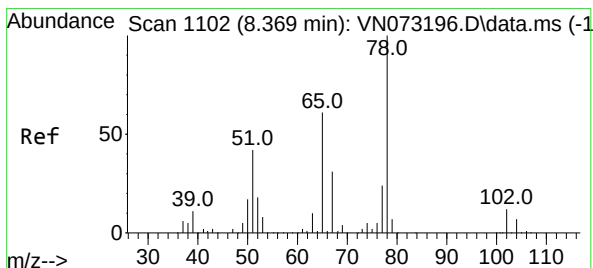
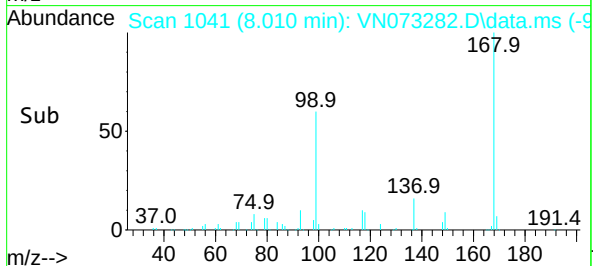
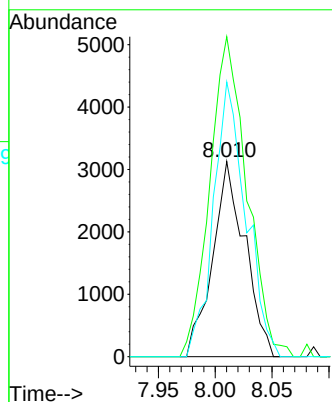
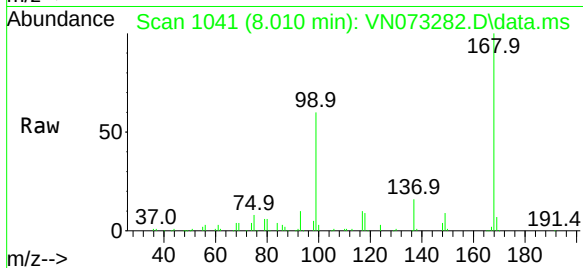
Tgt Ion: 56 Resp: 6178

Ion Ratio Lower Upper

56 100

69 163.9 27.8 41.8#

84 140.7 76.9 115.3#



#33

1,2-Dichloroethane-d4

Concen: 43.360 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073282.D

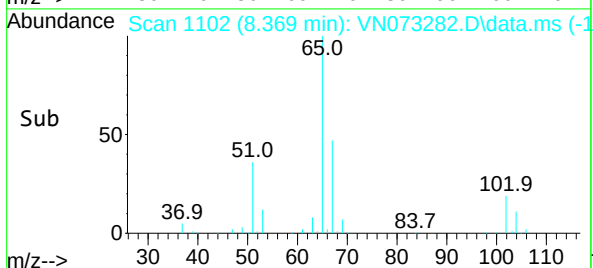
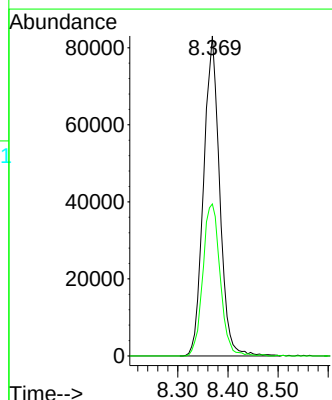
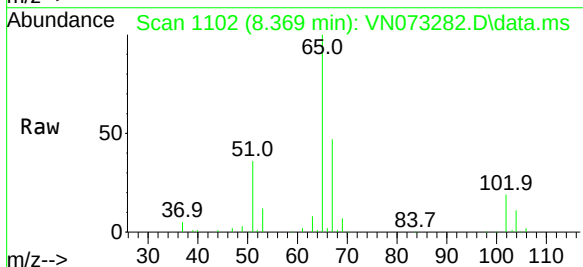
Acq: 01 Jul 2022 08:53

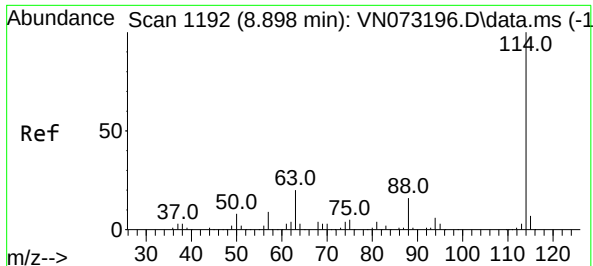
Tgt Ion: 65 Resp: 184933

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073282.D

Acq: 01 Jul 2022 08:53

Instrument :

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ClientSampleId :

VN0701MBL01

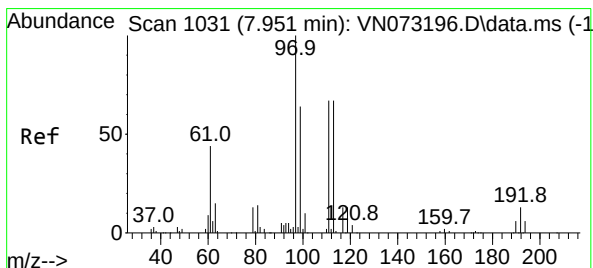
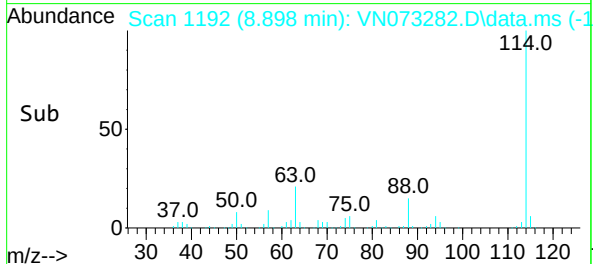
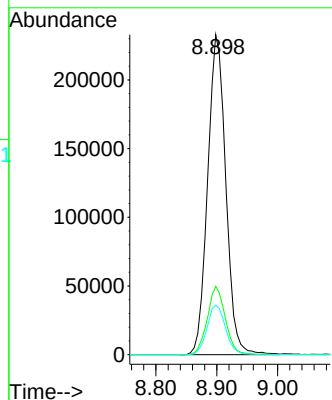
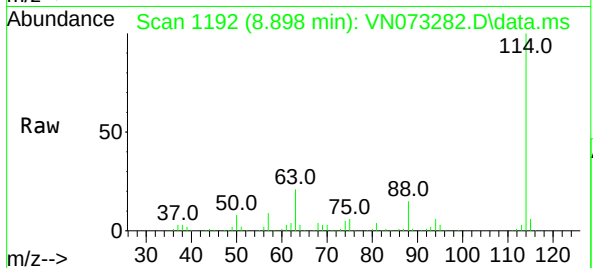
Tgt Ion:114 Resp: 482809

Ion Ratio Lower Upper

114 100

63 21.4 0.0 40.0

88 15.5 0.0 32.6



#35

Dibromofluoromethane

Concen: 47.632 ug/l

RT: 7.945 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VN073282.D

Acq: 01 Jul 2022 08:53

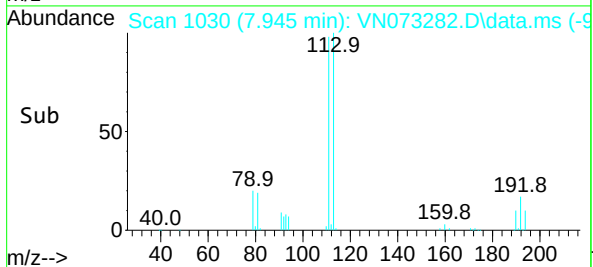
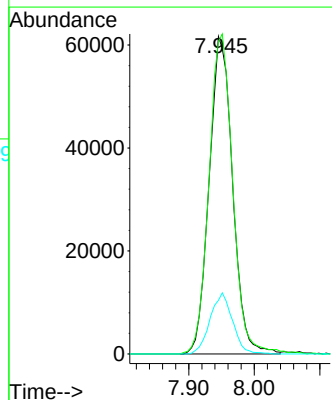
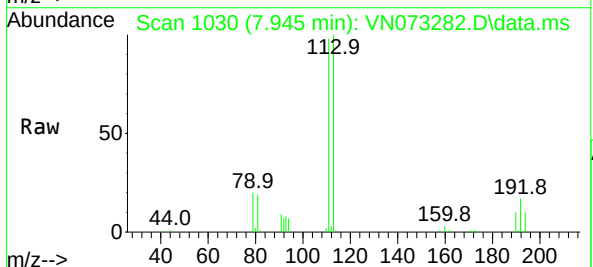
Tgt Ion:113 Resp: 153003

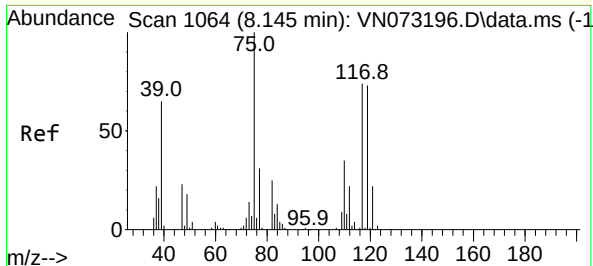
Ion Ratio Lower Upper

113 100

111 102.5 81.4 122.0

192 18.5 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.924 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.135 min

Lab File: VN073282.D

Acq: 01 Jul 2022 08:53

Instrument :

MSVOA_N

ClientSampleId :

VN0701MBL01

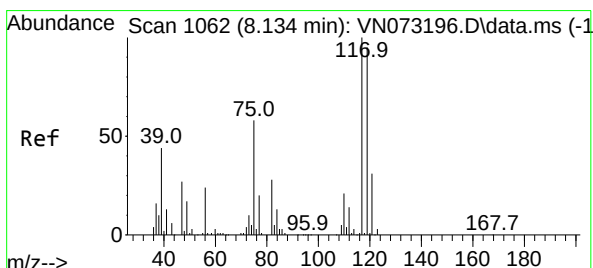
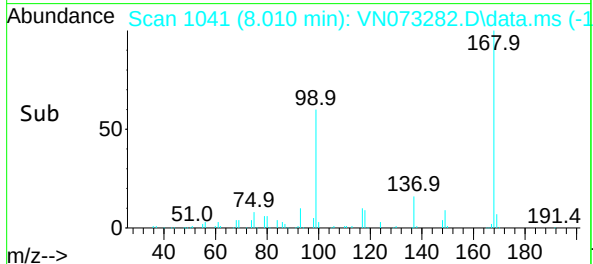
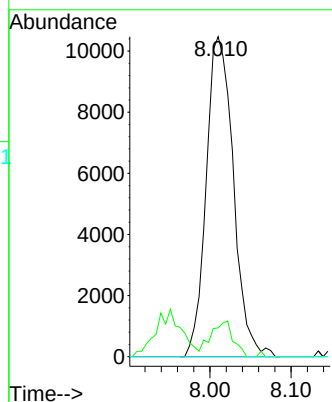
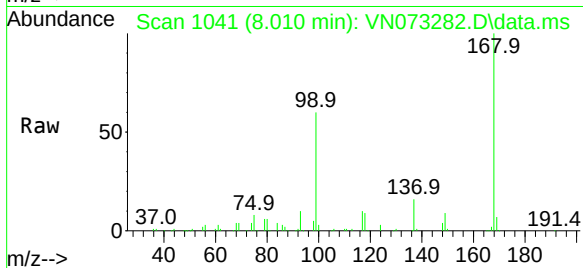
Tgt Ion: 75 Resp: 24339

Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 5.788 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.118 min

Lab File: VN073282.D

Acq: 01 Jul 2022 08:53

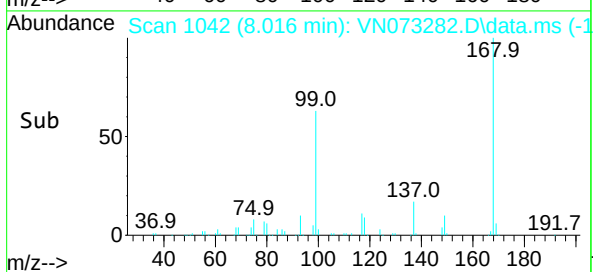
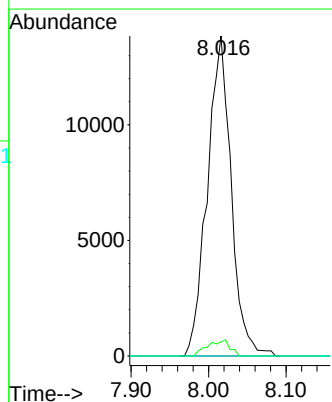
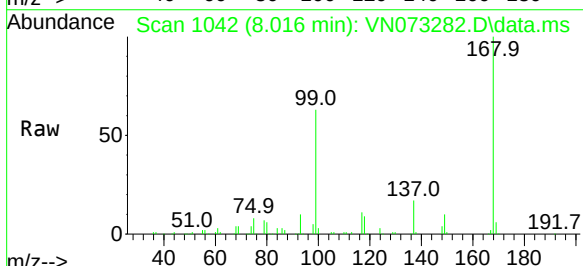
Tgt Ion: 117 Resp: 29586

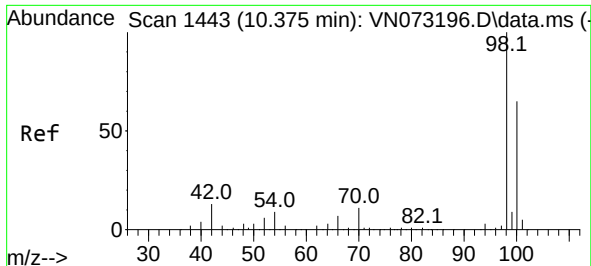
Ion Ratio Lower Upper

117 100

119 4.4 75.8 113.8#

121 0.0 24.6 37.0#

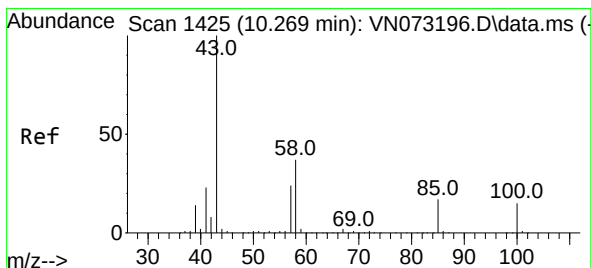
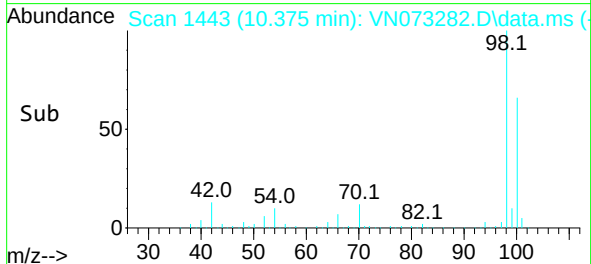
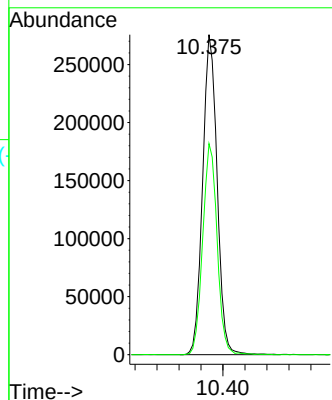
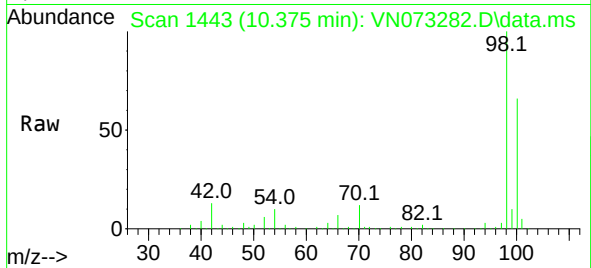




#50
Toluene-d8
Concen: 44.222 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

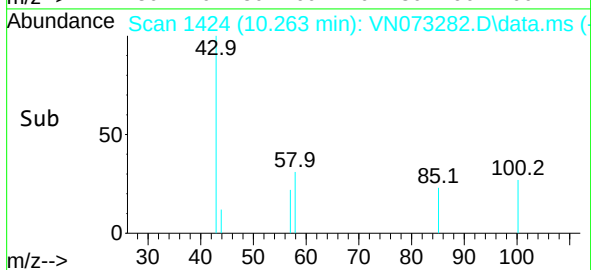
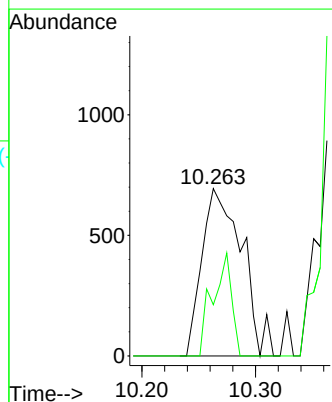
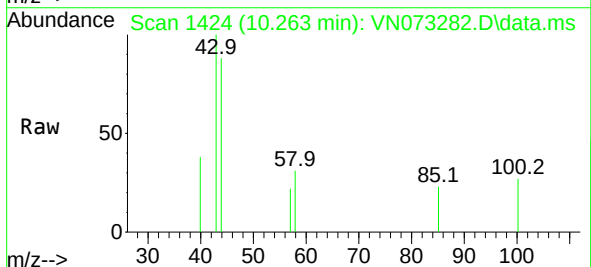
Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

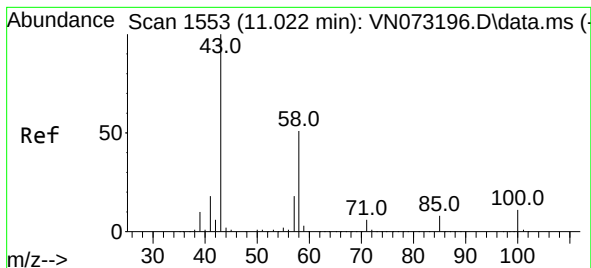
Tgt Ion: 98 Resp: 504510
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.249 ug/l
RT: 10.263 min Scan# 1424
Delta R.T. -0.006 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Tgt Ion: 43 Resp: 1696
Ion Ratio Lower Upper
43 100
58 29.2 34.1 51.1#

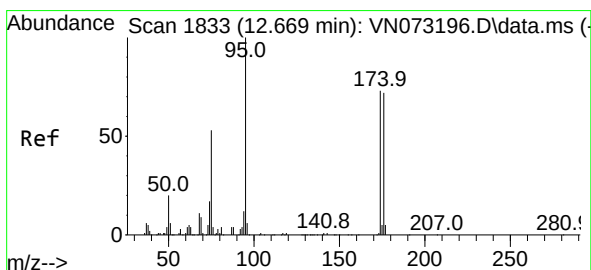
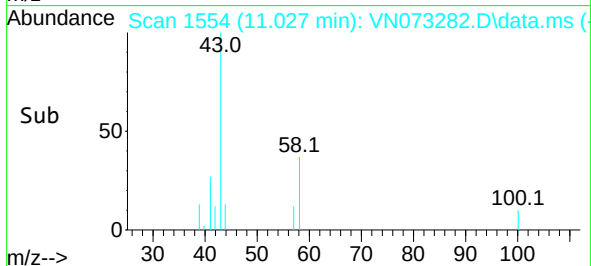
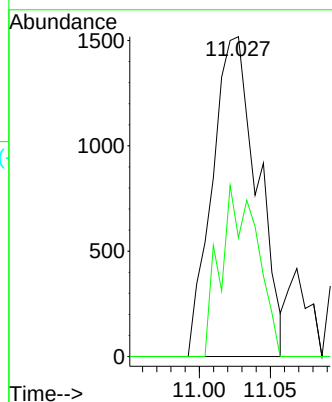
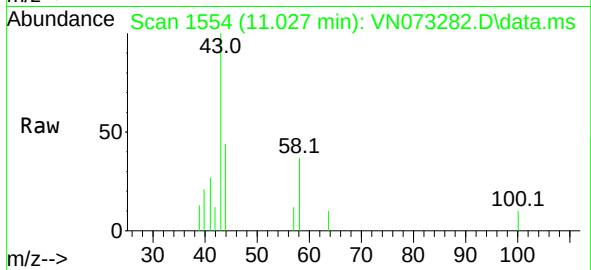




#59
2-Hexanone
Concen: 0.646 ug/l
RT: 11.027 min Scan# 11553
Delta R.T. 0.005 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

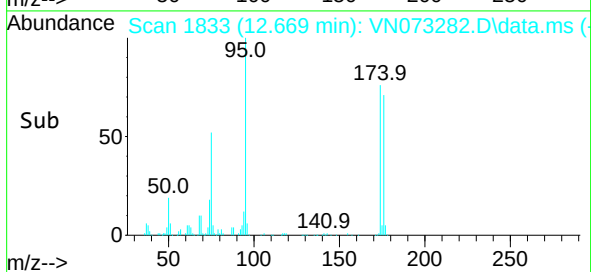
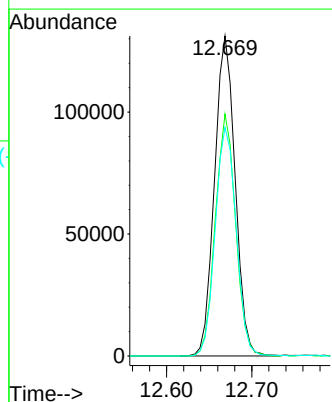
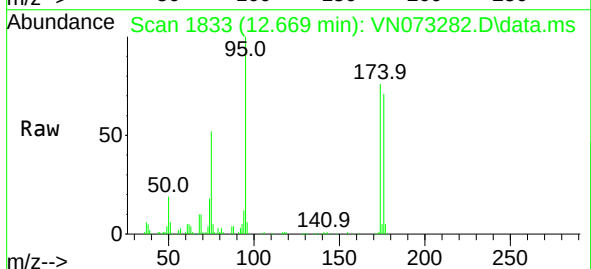
Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

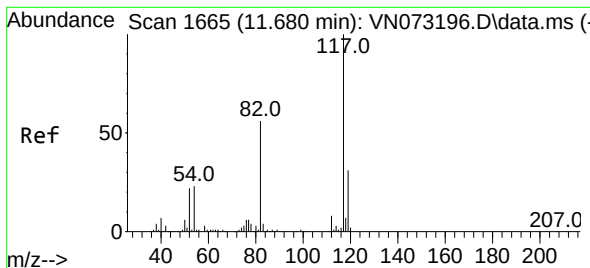
Tgt Ion: 43 Resp: 3353
Ion Ratio Lower Upper
43 100
58 43.9 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 50.384 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Tgt Ion: 95 Resp: 220897
Ion Ratio Lower Upper
95 100
174 74.3 0.0 167.6
176 72.4 0.0 163.4

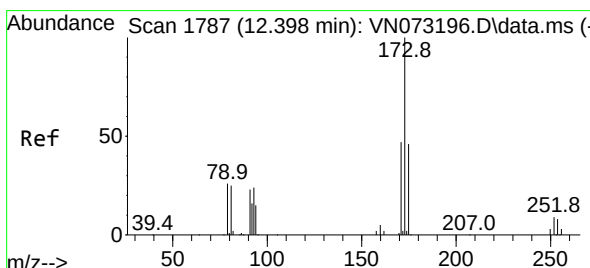
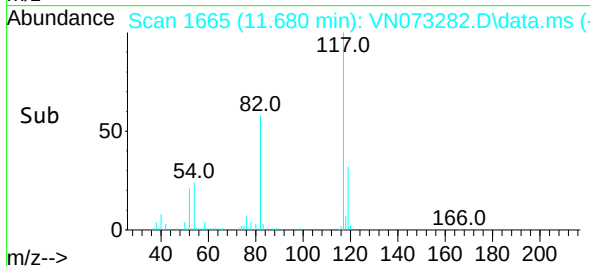
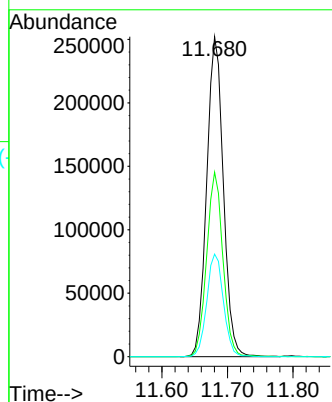
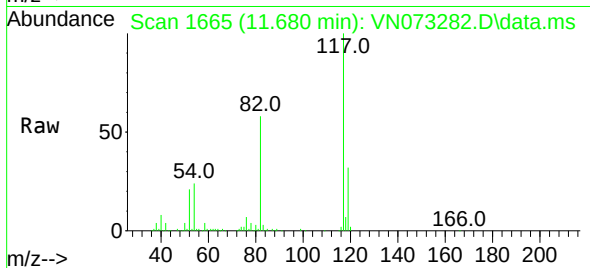




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

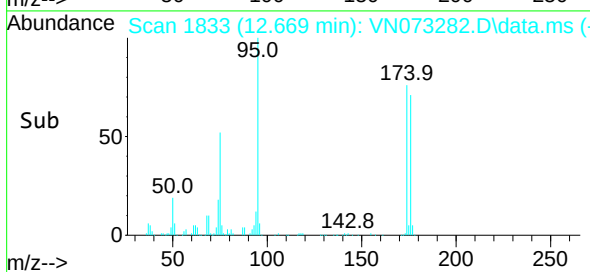
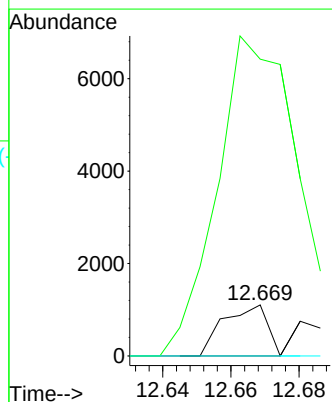
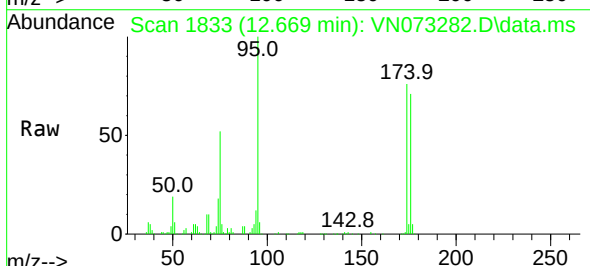
Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

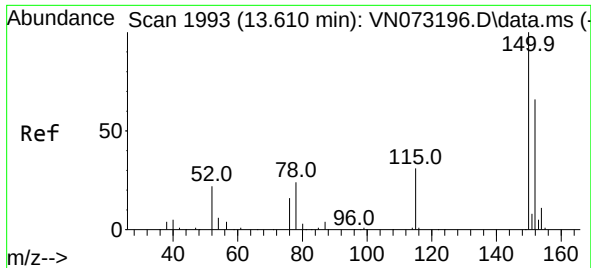
Tgt Ion:117 Resp: 444539
Ion Ratio Lower Upper
117 100
82 57.6 44.2 66.2
119 32.0 25.4 38.0



#71
Bromoform
Concen: 0.363 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Tgt Ion:173 Resp: 983
Ion Ratio Lower Upper
173 100
175 935.5 24.6 73.6#
254 0.0 0.1 0.1#

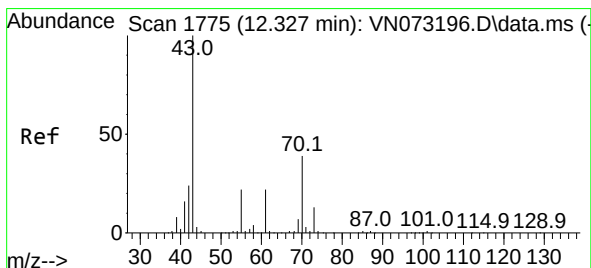
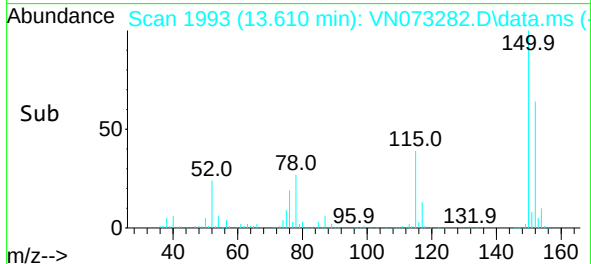
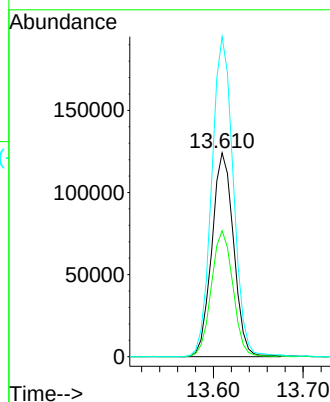
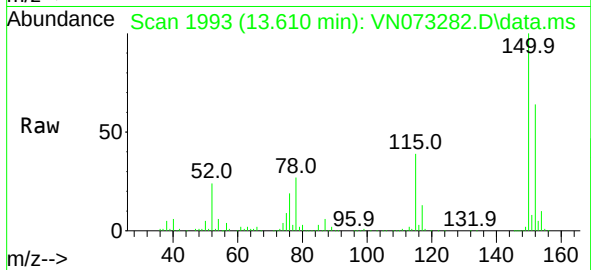




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

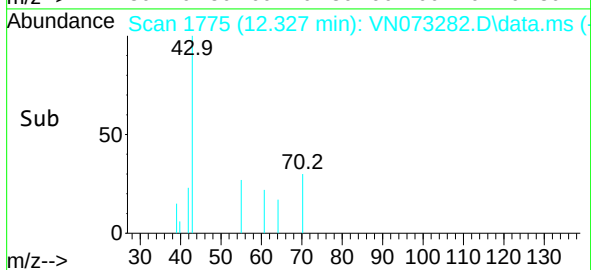
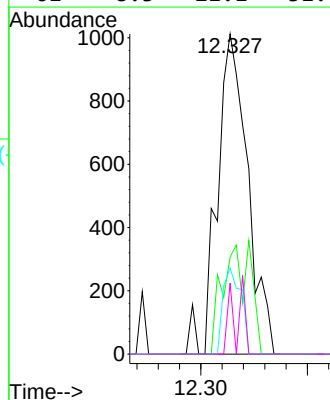
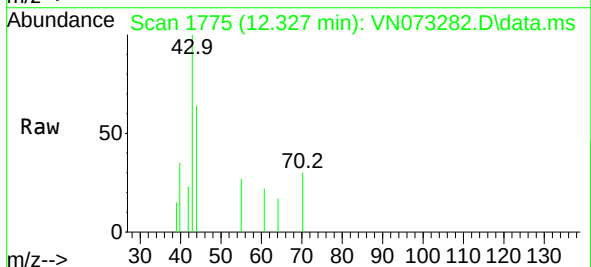
Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

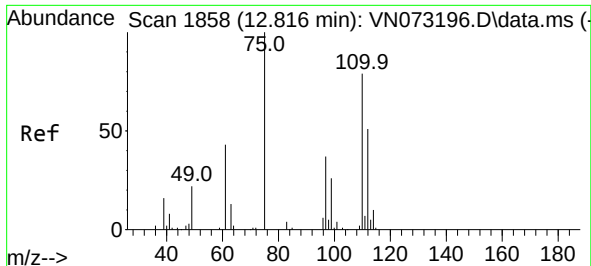
Tgt Ion:152 Resp: 208948
Ion Ratio Lower Upper
152 100
115 61.2 28.9 86.7
150 156.2 0.0 356.2



#74
N-ethyl acetate
Concen: 0.222 ug/l
RT: 12.327 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Tgt Ion: 43 Resp: 2007
Ion Ratio Lower Upper
43 100
70 31.4 39.0 58.4#
55 15.8 21.1 31.7#
61 8.3 21.1 31.7#

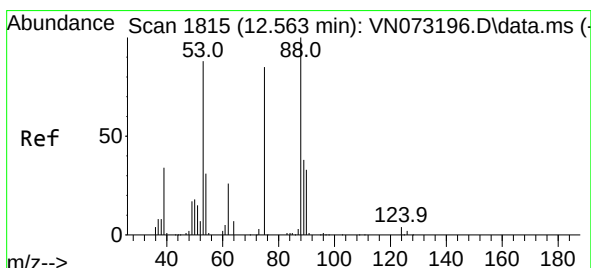
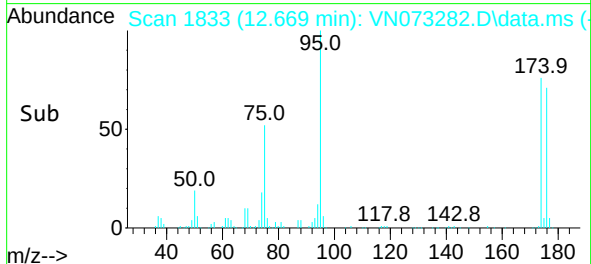
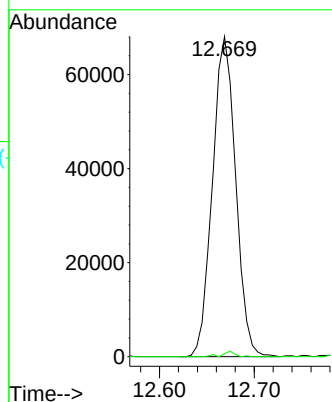
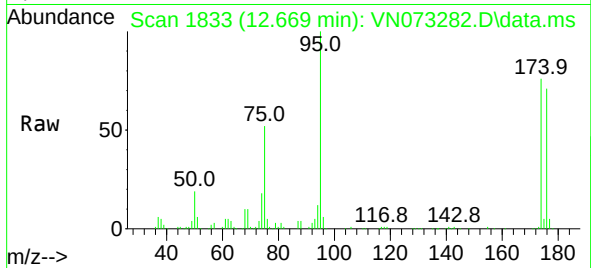




#76
1,2,3-Trichloropropane
Concen: 21.199 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.147 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

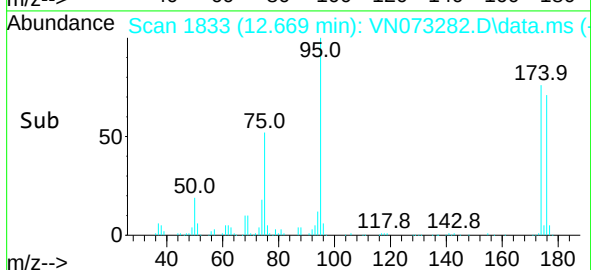
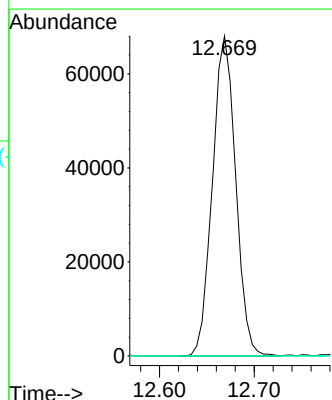
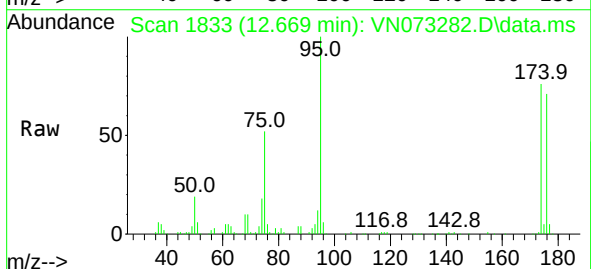
Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

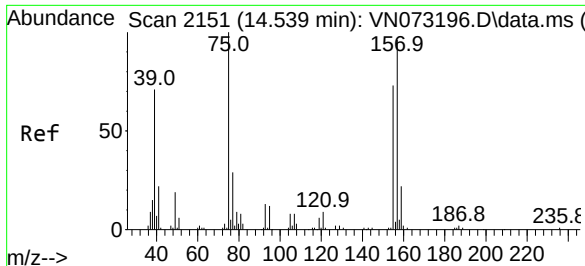
Tgt Ion: 75 Resp: 115820
Ion Ratio Lower Upper
75 100
77 0.9 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 58.136 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Tgt Ion: 75 Resp: 115820
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

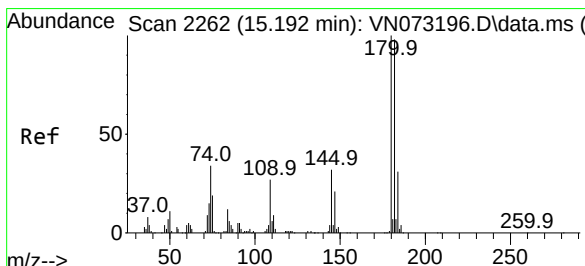
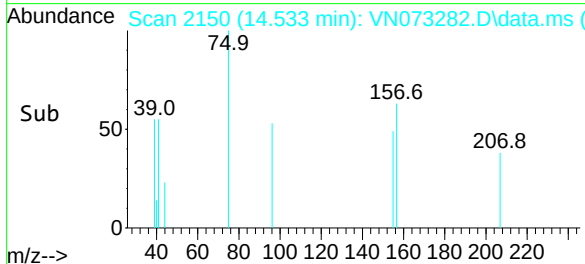
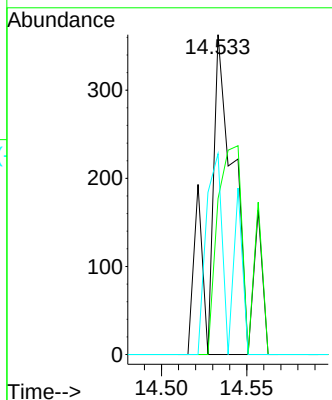
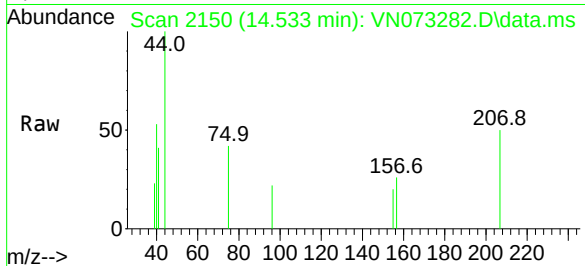




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.280 ug/l
 RT: 14.533 min Scan# 2151
 Delta R.T. -0.006 min
 Lab File: VN073282.D
 Acq: 01 Jul 2022 08:53

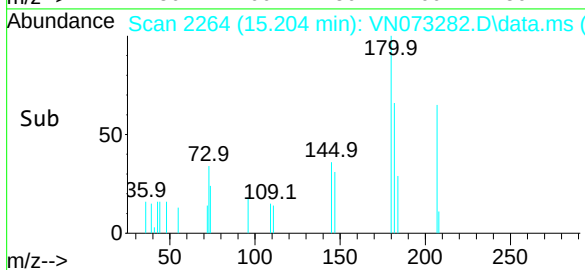
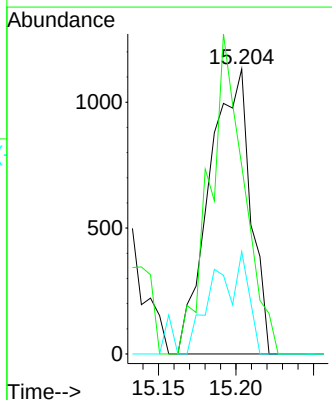
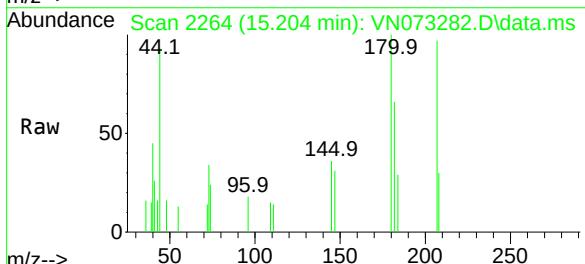
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701MBL01

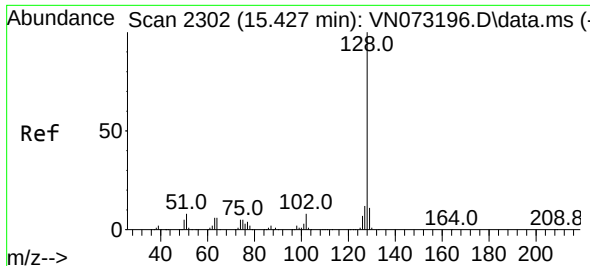
Tgt Ion: 75 Resp: 408
 Ion Ratio Lower Upper
 75 100
 155 70.8 44.9 134.5
 157 52.0 59.0 176.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.523 ug/l
 RT: 15.204 min Scan# 2264
 Delta R.T. 0.012 min
 Lab File: VN073282.D
 Acq: 01 Jul 2022 08:53

Tgt Ion: 180 Resp: 2086
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.5 142.5
 145 29.8 14.5 43.5

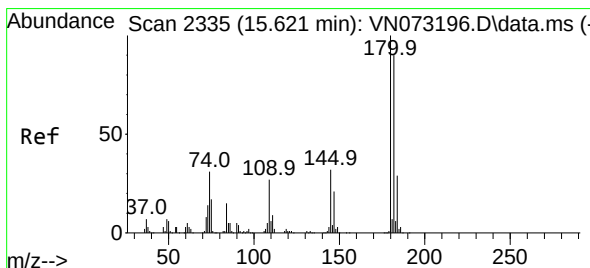
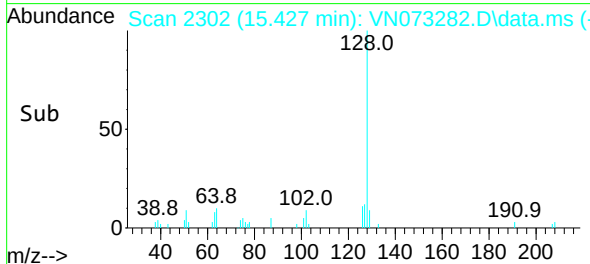
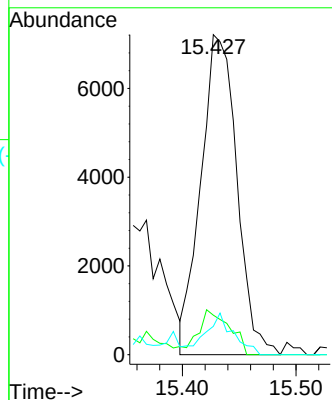
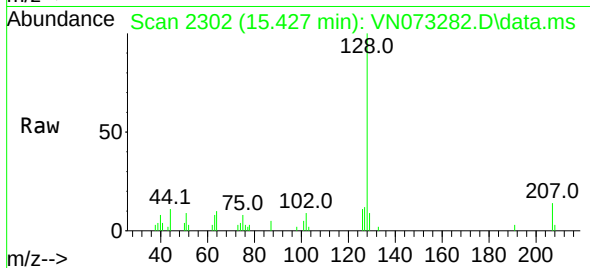




#95
Naphthalene
Concen: 0.985 ug/l
RT: 15.427 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Instrument :
MSVOA_N
ClientSampleId :
VN0701MBL01

Tgt Ion:	128	Resp:	15869
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.3	15.5
129	9.4	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 0.764 ug/l
RT: 15.627 min Scan# 2336
Delta R.T. 0.006 min
Lab File: VN073282.D
Acq: 01 Jul 2022 08:53

Tgt Ion:	180	Resp:	3146
Ion Ratio	Lower	Upper	
180	100		
182	88.7	47.8	143.3
145	33.9	15.5	46.5

