

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071522\
 Data File : VN073476.D
 Acq On : 15 Jul 2022 11:04
 Operator : JC\MD
 Sample : VN0715WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBL01

Quant Time: Jul 16 04:12:00 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)

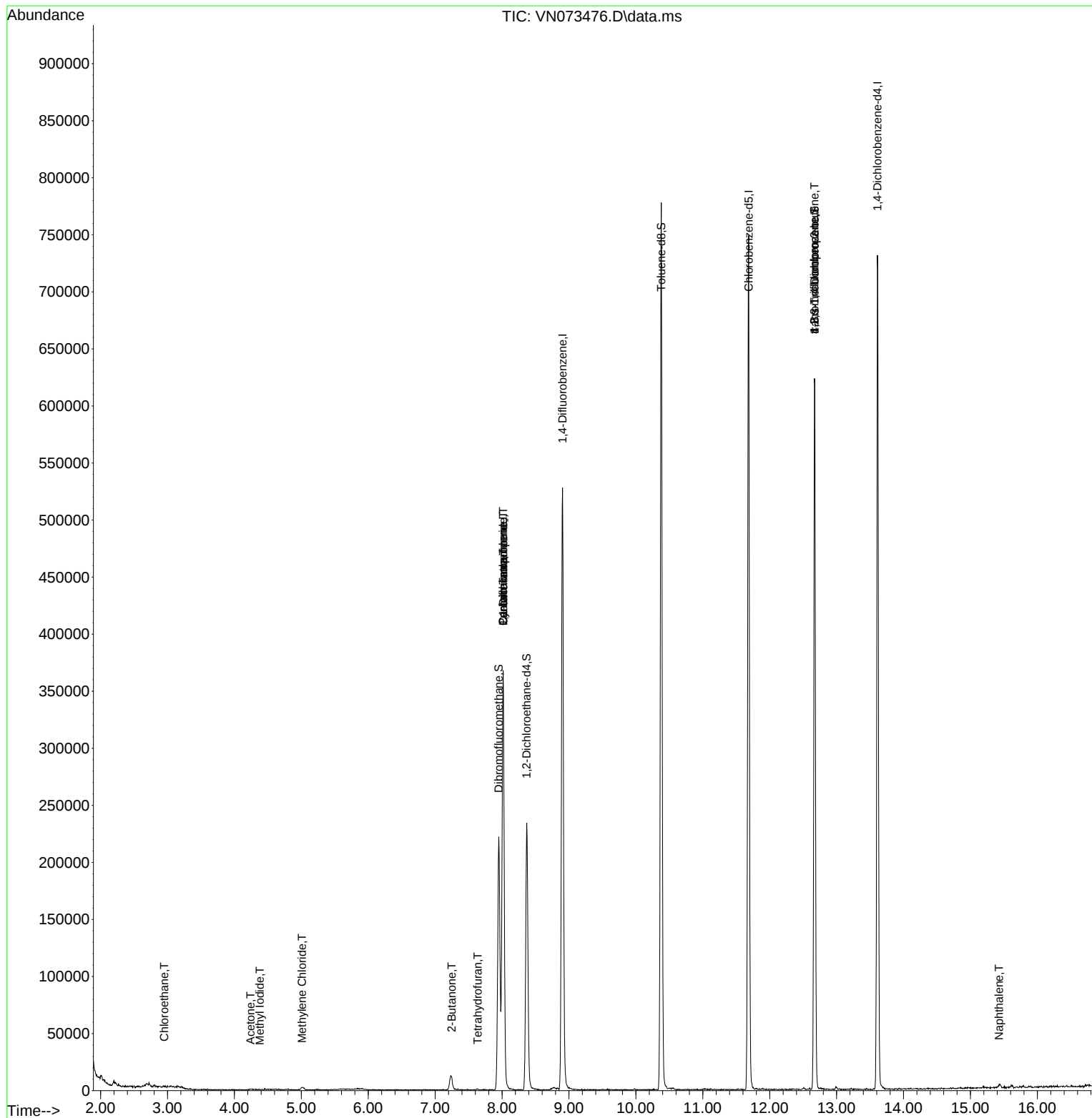
Internal Standards						
1) Pentafluorobenzene	8.016	168	270133	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	463037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	431249	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	190027	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	197644	50.682	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.360%			
35) Dibromofluoromethane	7.951	113	163329	53.018	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.040%			
50) Toluene-d8	10.380	98	522465	47.751	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.500%			
62) 4-Bromofluorobenzene	12.668	95	216402	51.466	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.940%			
Target Compounds						Qvalue
6) Chloroethane	2.951	64	454	0.237	ug/l #	42
10) Methyl Iodide	4.381	142	60	3.749	ug/l #	44
16) Acetone	4.240	43	1240	0.566	ug/l #	42
20) Methylene Chloride	5.010	84	1856	0.482	ug/l #	88
25) 2-Butanone	7.245	43	706	0.203	ug/l #	45
29) Tetrahydrofuran	7.633	42	571	0.239	ug/l #	29
31) Cyclohexane	8.016	56	6283	0.984	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	22784	4.807	ug/l #	48
38) Carbon Tetrachloride	8.016	117	28861	5.888	ug/l #	17
76) 1,2,3-Trichloropropane	12.668	75	117040	23.555	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	117040	64.598	ug/l #	10
95) Naphthalene	15.427	128	3360	0.229	ug/l #	83

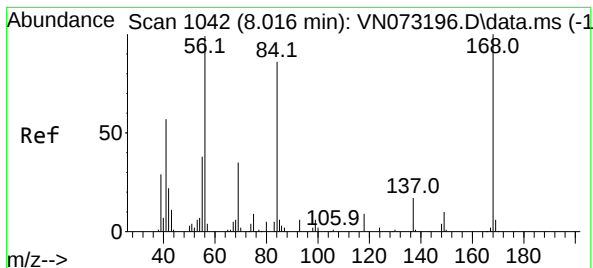
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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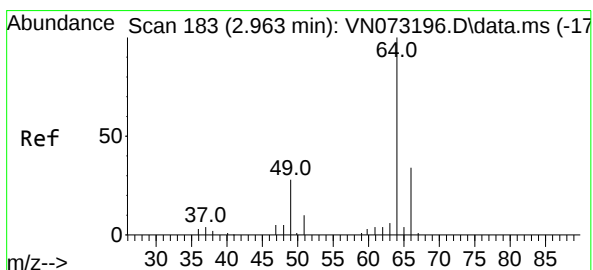
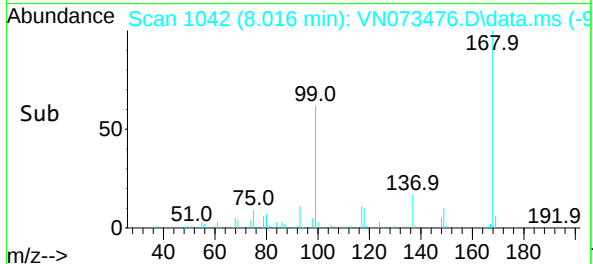
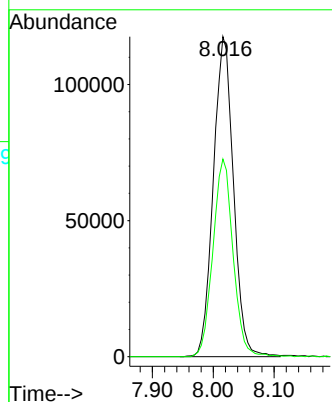
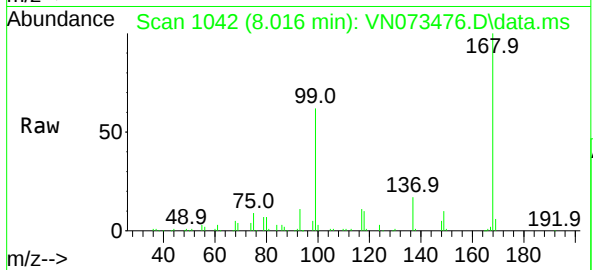




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

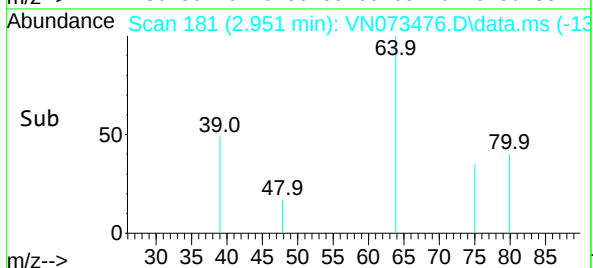
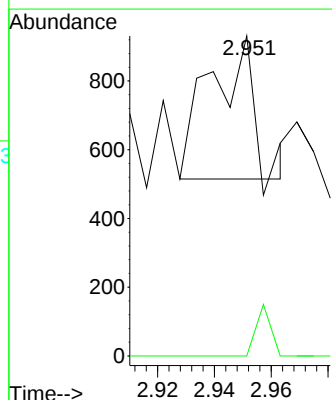
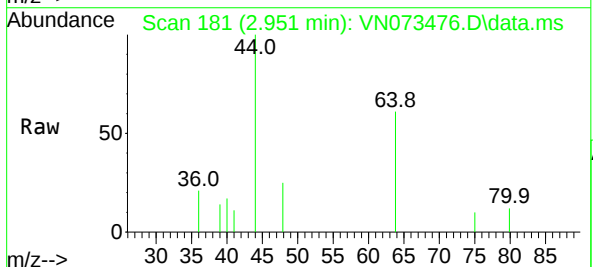
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBL01

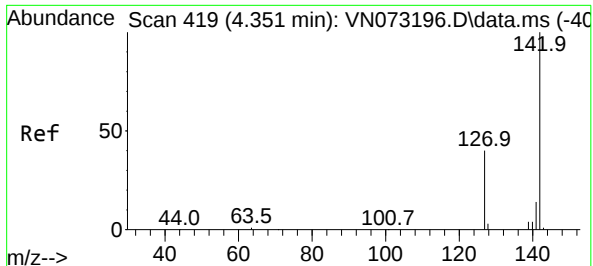
Tgt Ion:168 Resp: 270133
Ion Ratio Lower Upper
168 100
99 61.7 42.3 63.5



#6
Chloroethane
Concen: 0.237 ug/l
RT: 2.951 min Scan# 181
Delta R.T. -0.012 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

Tgt Ion: 64 Resp: 454
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#

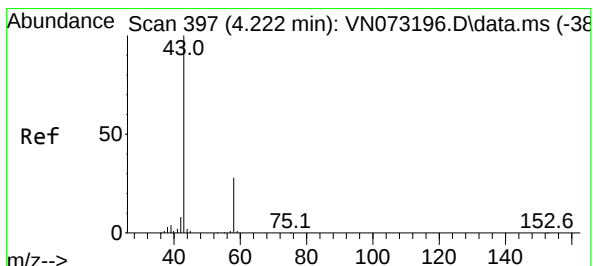
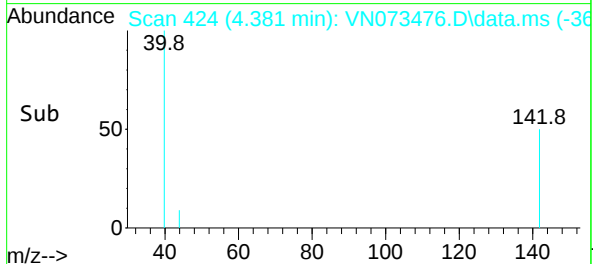
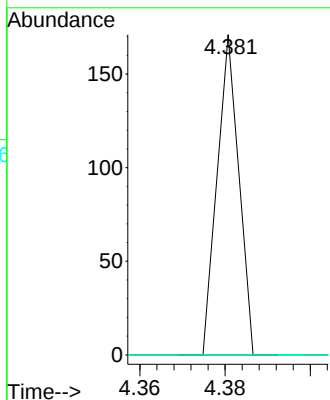
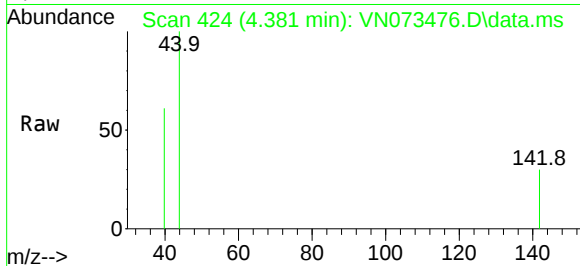




#10
Methyl Iodide
Concen: 3.749 ug/l
RT: 4.381 min Scan# 41
Delta R.T. 0.030 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

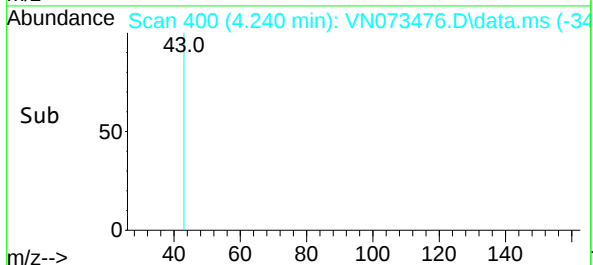
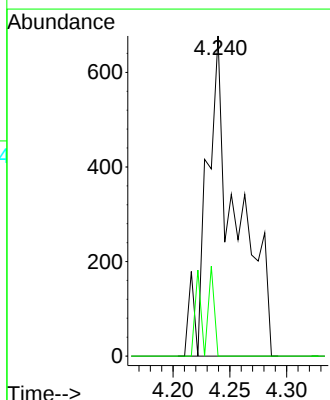
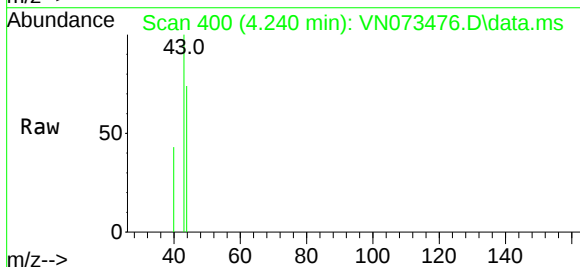
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBL01

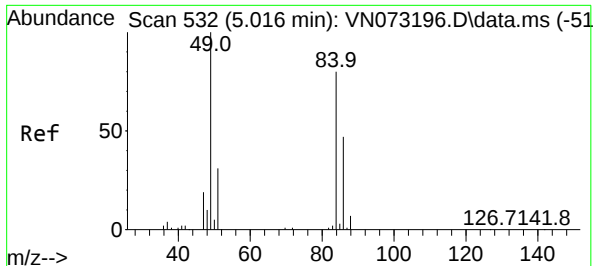
Tgt Ion:142 Resp: 60
Ion Ratio Lower Upper
142 100
127 0.0 31.3 46.9#
141 0.0 11.2 16.8#



#16
Acetone
Concen: 0.566 ug/l
RT: 4.240 min Scan# 400
Delta R.T. 0.018 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

Tgt Ion: 43 Resp: 1240
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

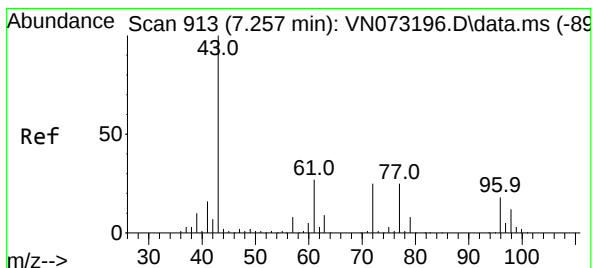
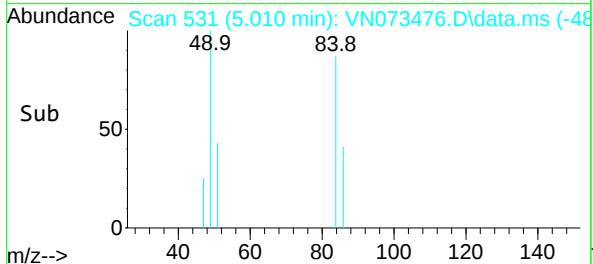
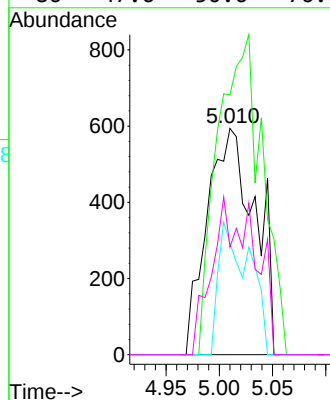
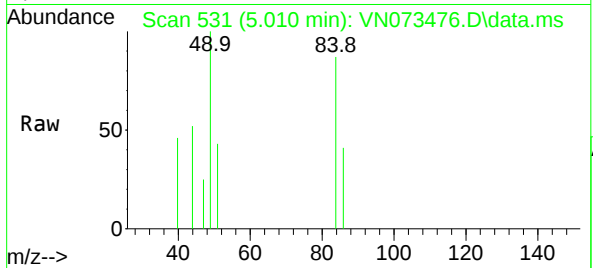




#20
Methylene Chloride
Concen: 0.482 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

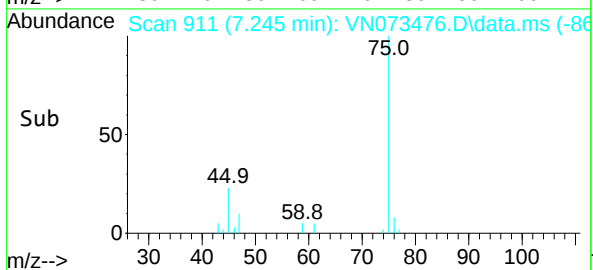
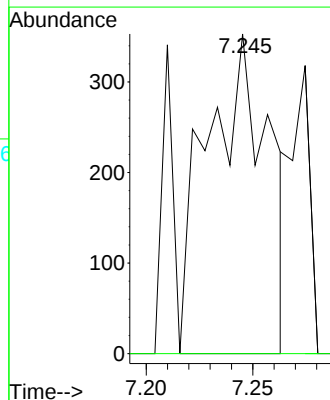
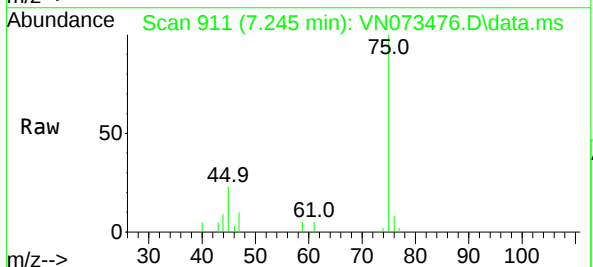
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBL01

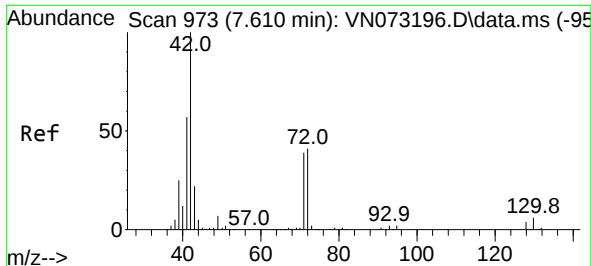
Tgt Ion:	84	Resp:	1856
Ion	Ratio	Lower	Upper
84	100		
49	114.8	88.3	132.5
51	49.3	28.2	42.2#
86	47.6	50.6	76.0#



#25
2-Butanone
Concen: 0.203 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

Tgt Ion:	43	Resp:	706
Ion	Ratio	Lower	Upper
43	100		
72	0.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 7.633 min Scan# 91

Delta R.T. 0.023 min

Lab File: VN073476.D

Acq: 15 Jul 2022 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBL01

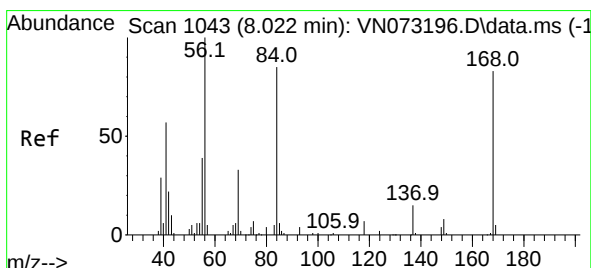
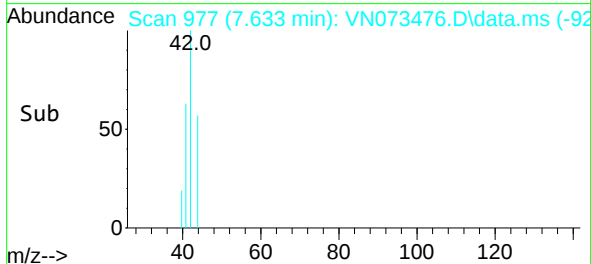
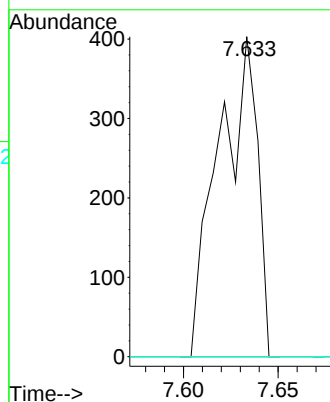
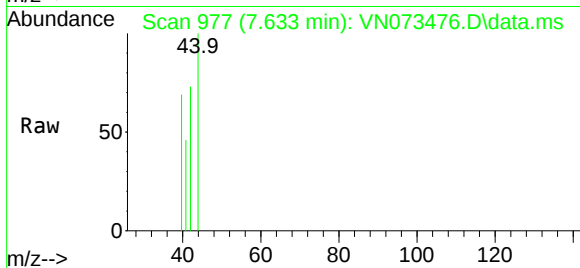
Tgt Ion: 42 Resp: 571

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 0.984 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073476.D

Acq: 15 Jul 2022 11:04

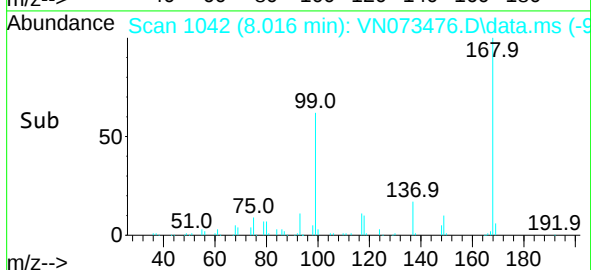
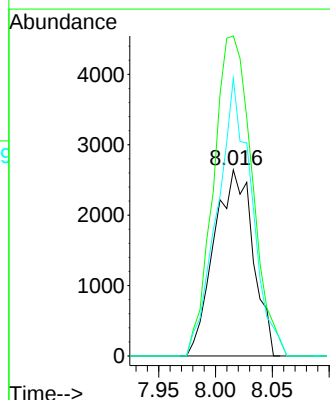
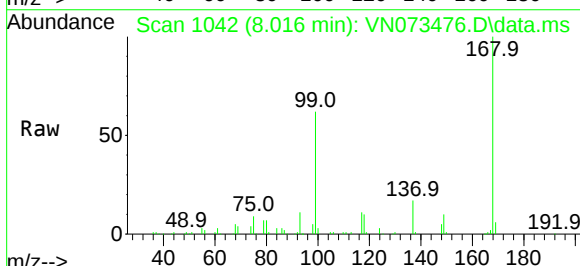
Tgt Ion: 56 Resp: 6283

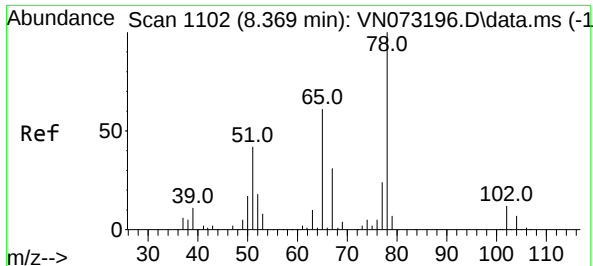
Ion Ratio Lower Upper

56 100

69 172.0 27.8 41.8#

84 149.2 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 50.682 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073476.D

Acq: 15 Jul 2022 11:04

Instrument :

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ClientSampleId :

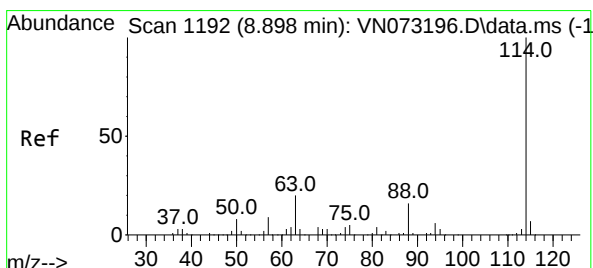
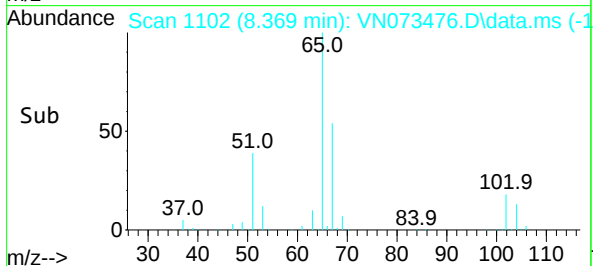
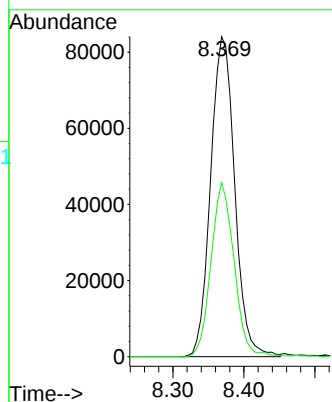
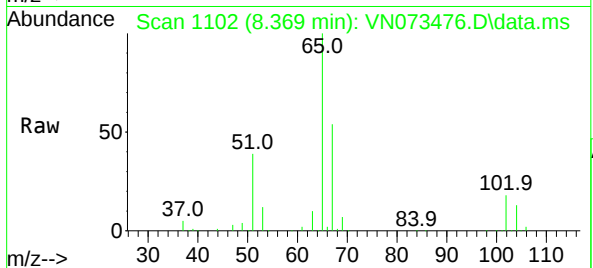
VN0715WBL01

Tgt Ion: 65 Resp: 197644

Ion Ratio Lower Upper

65 100

67 52.0 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: VN073476.D

Acq: 15 Jul 2022 11:04

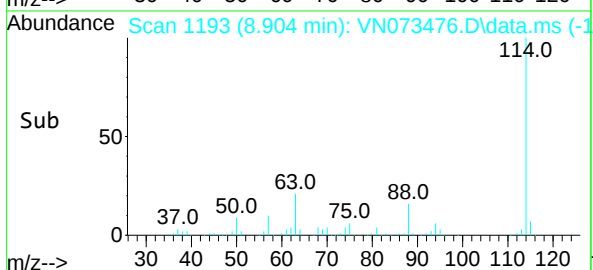
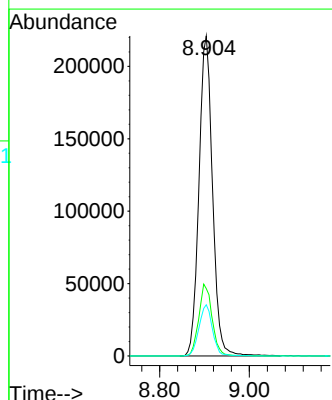
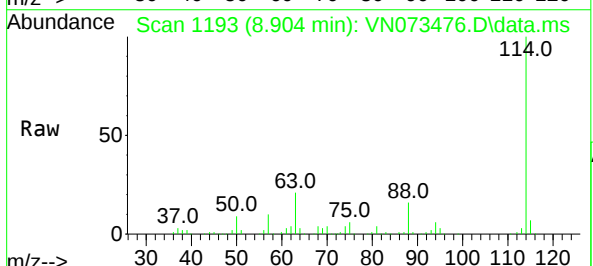
Tgt Ion: 114 Resp: 463037

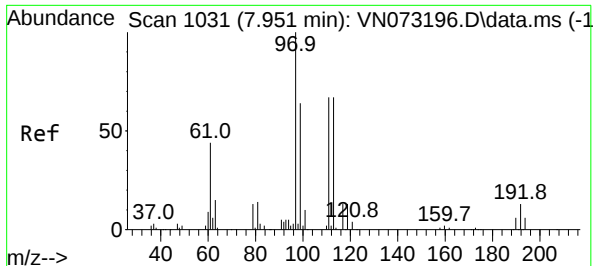
Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.0

88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.018 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073476.D

Acq: 15 Jul 2022 11:04

Instrument :

MSVOA_N

ClientSampleId :

VN0715WBL01

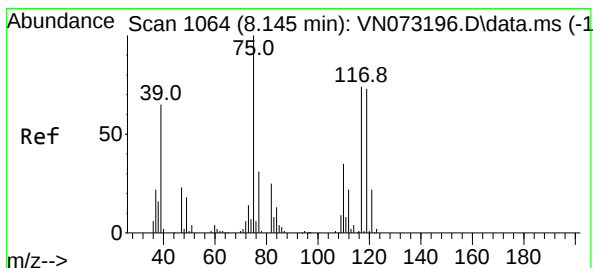
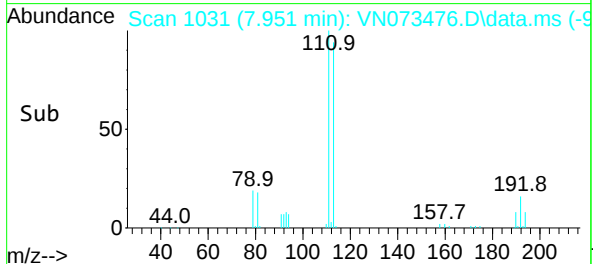
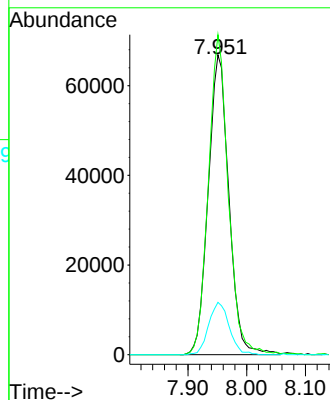
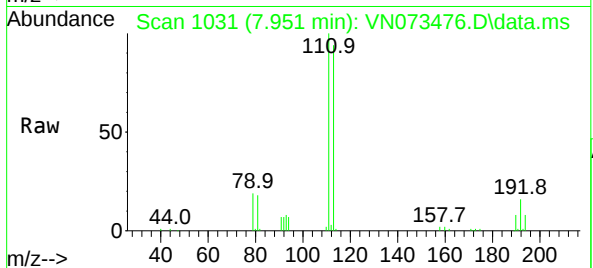
Tgt Ion:113 Resp: 163329

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 17.4 17.0 25.6



#36

1,1-Dichloropropene

Concen: 4.807 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.129 min

Lab File: VN073476.D

Acq: 15 Jul 2022 11:04

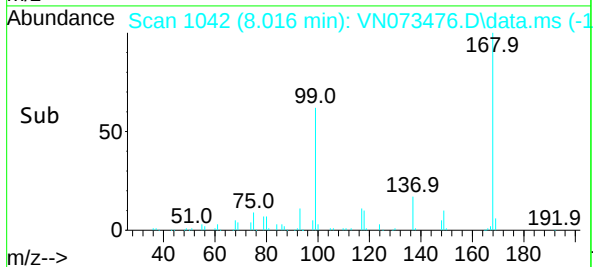
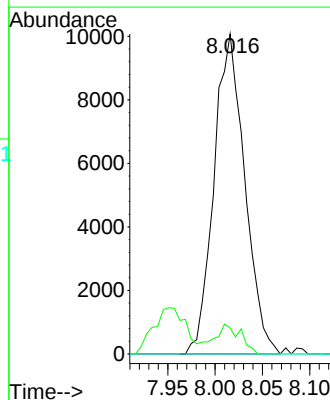
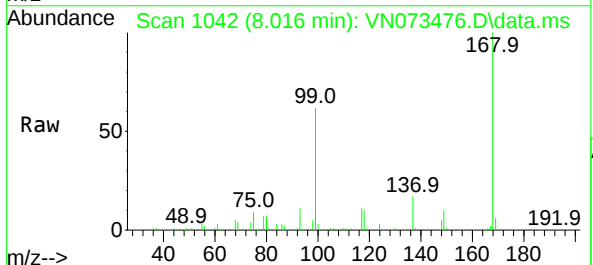
Tgt Ion: 75 Resp: 22784

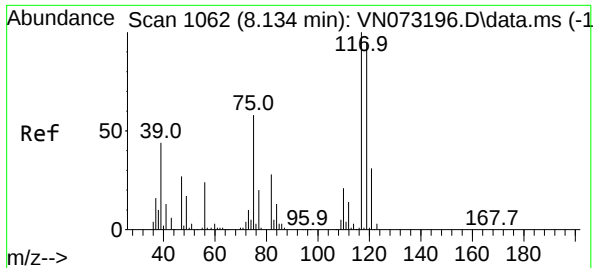
Ion Ratio Lower Upper

75 100

110 7.7 18.3 54.8#

77 0.0 25.1 37.7#

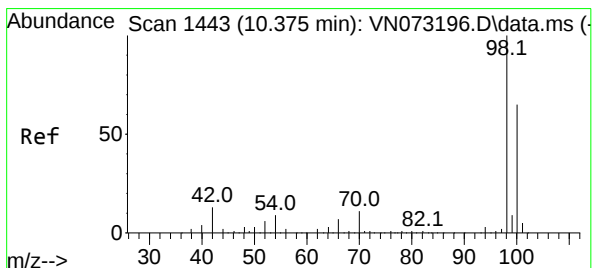
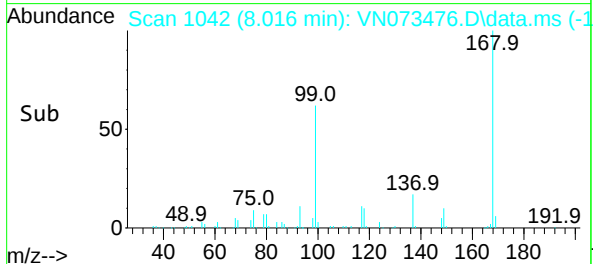
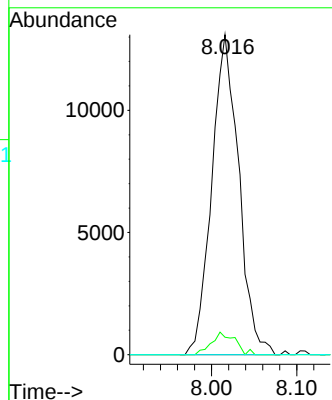
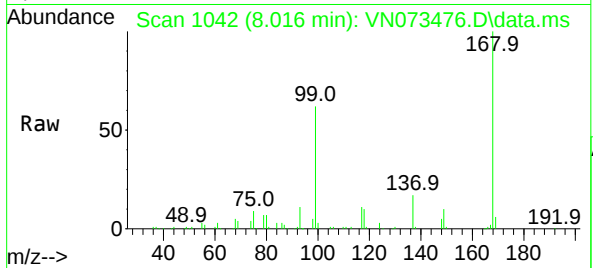




#38
Carbon Tetrachloride
Concen: 5.888 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

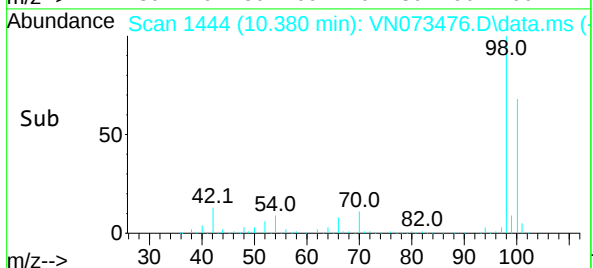
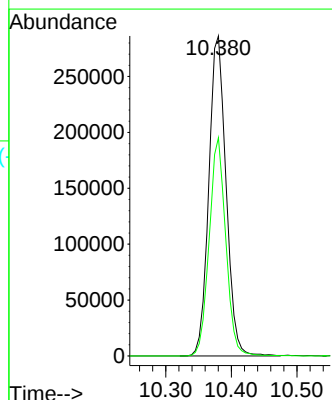
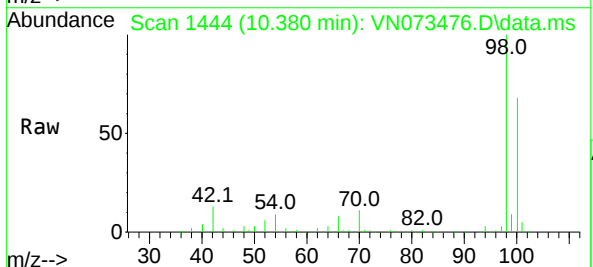
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBL01

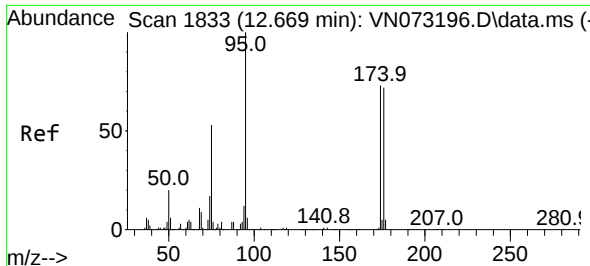
Tgt Ion:117 Resp: 28861
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 47.751 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

Tgt Ion: 98 Resp: 522465
Ion Ratio Lower Upper
98 100
100 65.8 52.6 78.8

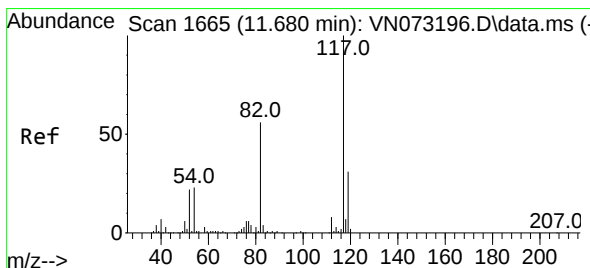
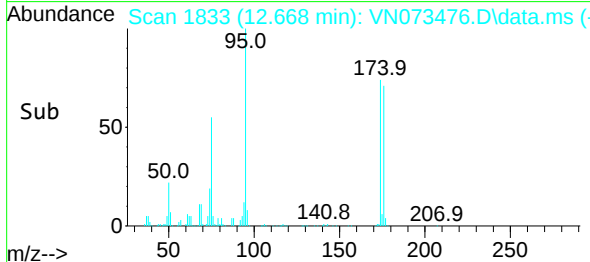
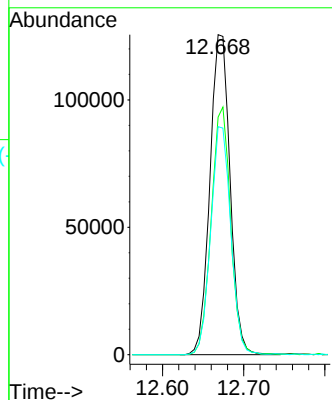
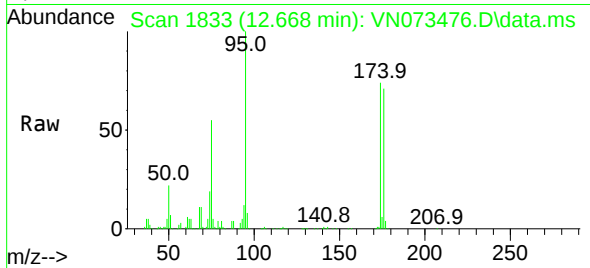




#62
4-Bromofluorobenzene
Concen: 51.466 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

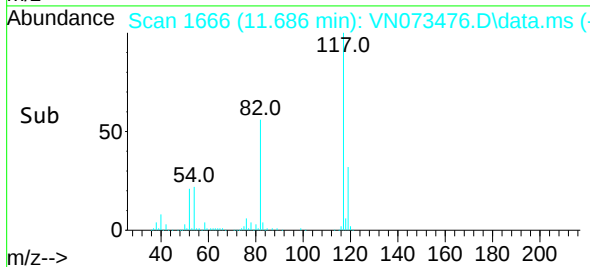
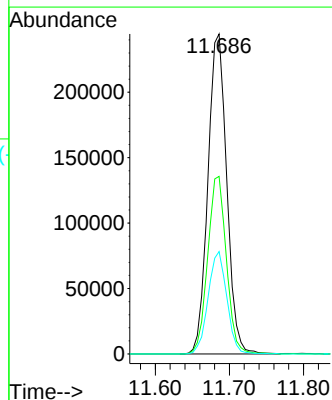
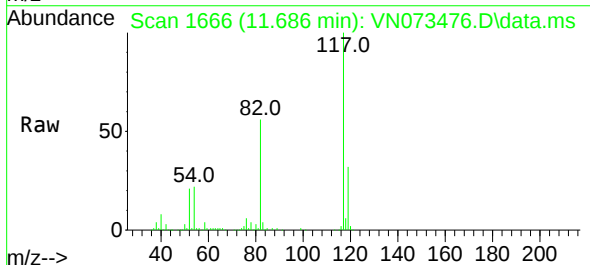
Instrument :
MSVOA_N
ClientSampleId :
VN0715WBL01

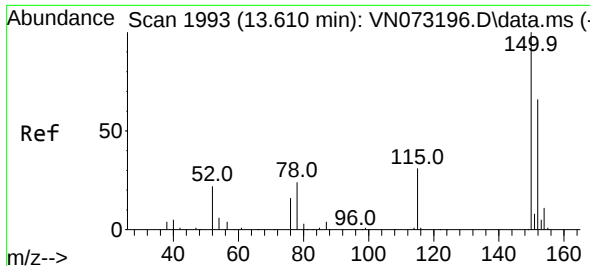
Tgt Ion: 95 Resp: 216402
Ion Ratio Lower Upper
95 100
174 74.6 0.0 167.6
176 70.8 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

Tgt Ion: 117 Resp: 431249
Ion Ratio Lower Upper
117 100
82 55.5 44.2 66.2
119 32.0 25.4 38.0

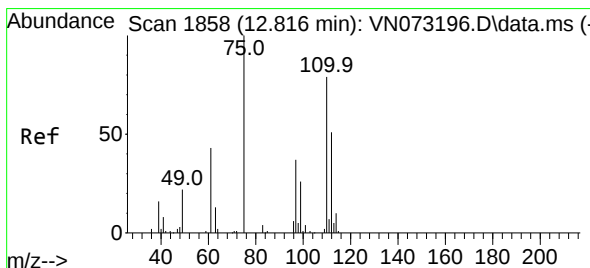
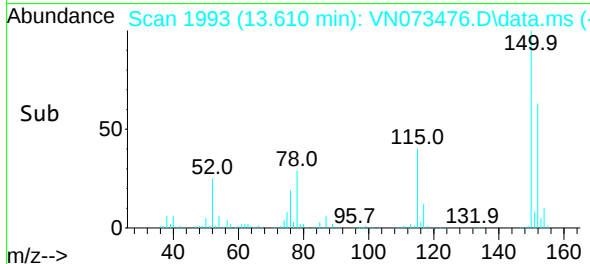
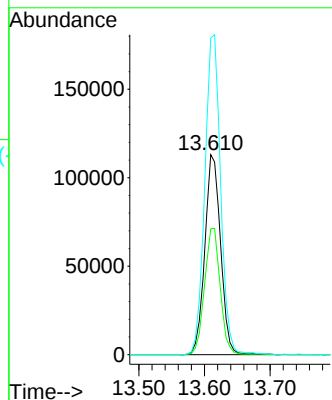
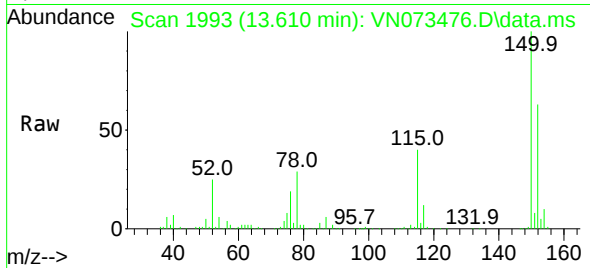




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.610 min Scan# 1993
 Delta R.T. -0.000 min
 Lab File: VN073476.D
 Acq: 15 Jul 2022 11:04

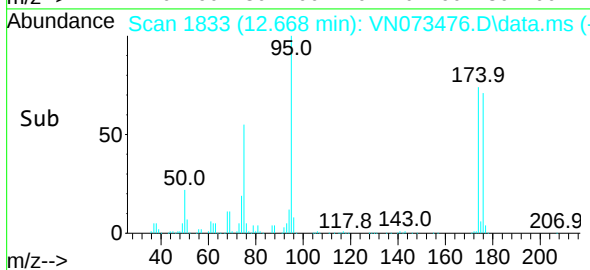
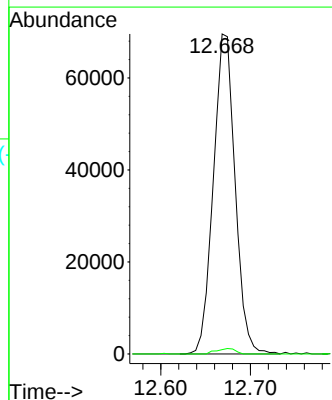
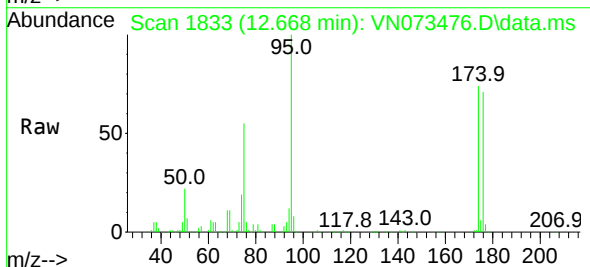
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0715WBL01

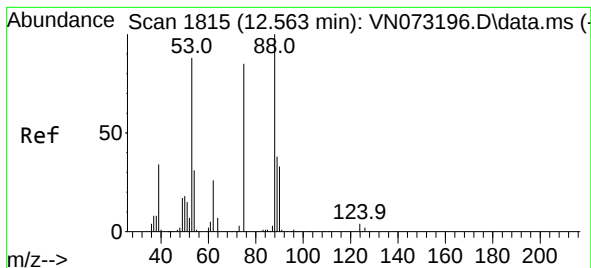
Tgt Ion:152 Resp: 190027
 Ion Ratio Lower Upper
 152 100
 115 62.7 28.9 86.7
 150 160.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 23.555 ug/l
 RT: 12.668 min Scan# 1833
 Delta R.T. -0.148 min
 Lab File: VN073476.D
 Acq: 15 Jul 2022 11:04

Tgt Ion: 75 Resp: 117040
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#

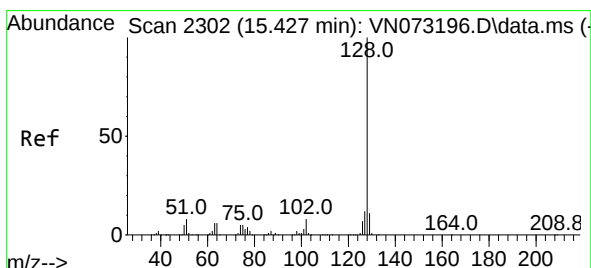
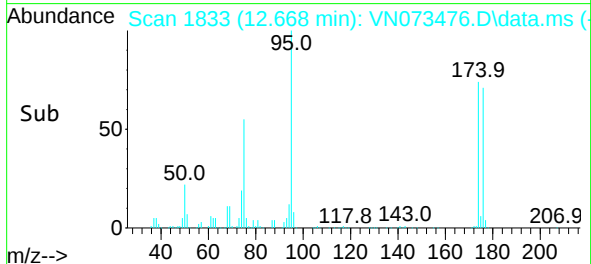
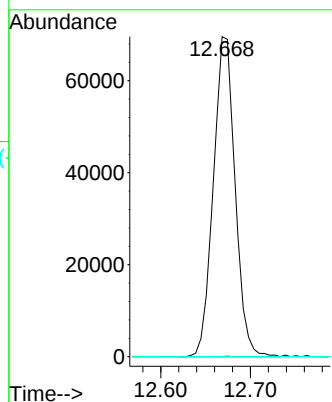
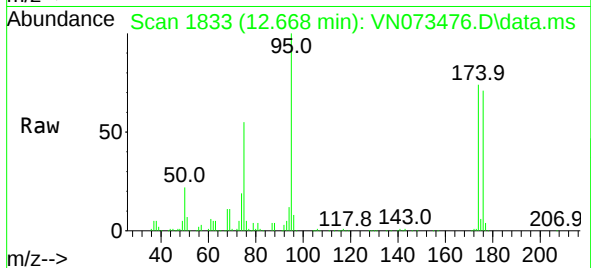




#81
trans-1,4-Dichloro-2-butene
Concen: 64.598 ug/l
RT: 12.668 min Scan# 1815
Delta R.T. 0.105 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

Instrument :
MSVOA_N
ClientSampleId :
VN0715WBL01

Tgt Ion: 75 Resp: 117040
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.229 ug/l
RT: 15.427 min Scan# 2302
Delta R.T. 0.000 min
Lab File: VN073476.D
Acq: 15 Jul 2022 11:04

Tgt Ion: 128 Resp: 3360
Ion Ratio Lower Upper
128 100
127 2.5 10.3 15.5#
129 12.7 8.6 13.0

