

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081722\
 Data File : VN073967.D
 Acq On : 17 Aug 2022 11:16
 Operator : JC\MD
 Sample : VN0817WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 15:30:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

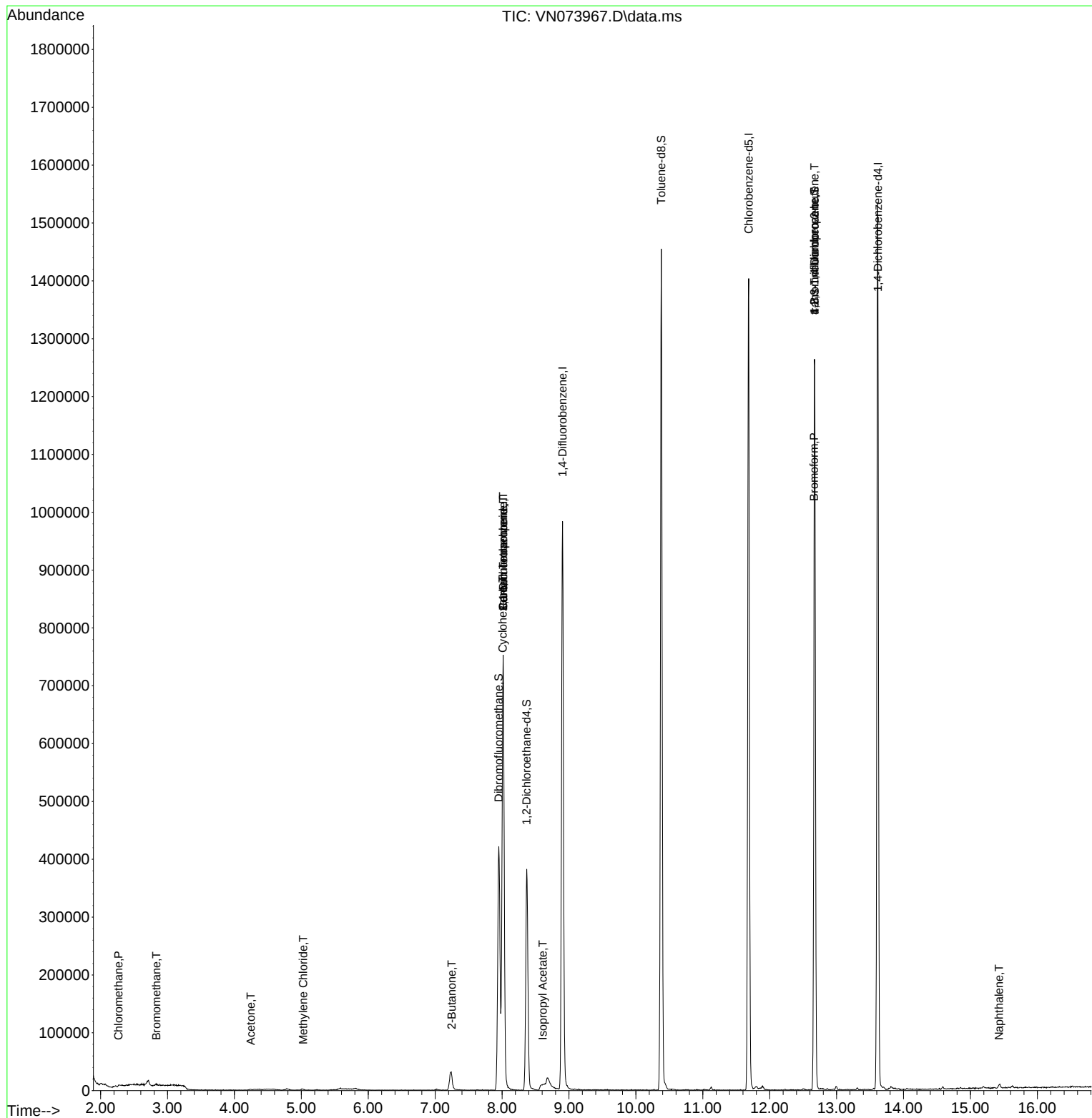
Internal Standards						
1) Pentafluorobenzene	8.016	168	641871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	934817	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	882300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	464801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	323355	51.722	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	103.440%
35) Dibromofluoromethane	7.951	113	312797	56.580	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.160%
50) Toluene-d8	10.380	98	1033201	48.255	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	96.520%
62) 4-Bromofluorobenzene	12.669	95	423453	59.591	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.180%
Target Compounds						
						Qvalue
3) Chloromethane	2.269	50	1524	0.269	ug/l #	82
5) Bromomethane	2.834	94	2198	0.484	ug/l	84
16) Acetone	4.246	43	2368	0.803	ug/l	97
18) Methyl Acetate	4.787	43	5154	Below Cal	#	74
20) Methylene Chloride	5.028	84	2051	0.330	ug/l #	56
25) 2-Butanone	7.245	43	1794	0.384	ug/l #	45
31) Cyclohexane	8.010	56	10223	1.173	ug/l #	27
36) 1,1-Dichloropropene	8.016	75	39947	5.202	ug/l #	50
38) Carbon Tetrachloride	8.016	117	55812	6.359	ug/l #	17
43) Isopropyl Acetate	8.610	43	11182	0.844	ug/l #	53
71) Bromoform	12.663	173	1641	0.259	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	206367	21.361	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	206367	60.755	ug/l #	10
95) Naphthalene	15.427	128	7069	0.217	ug/l	99

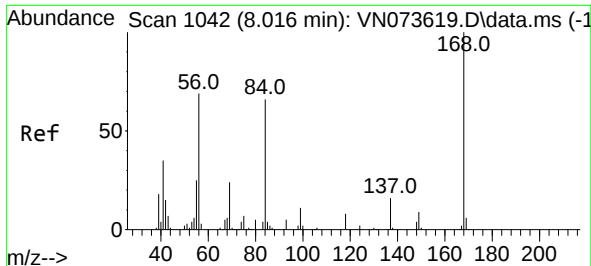
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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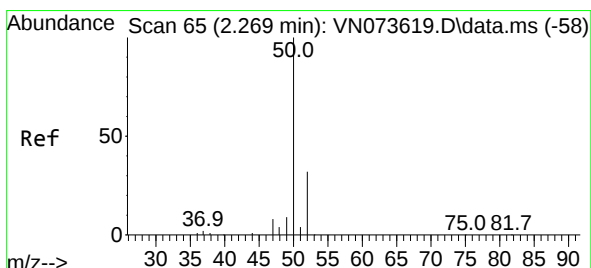
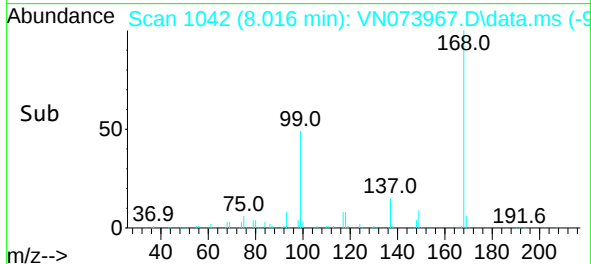
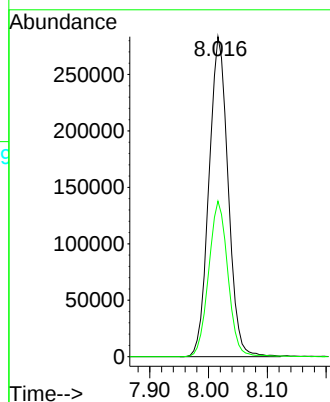
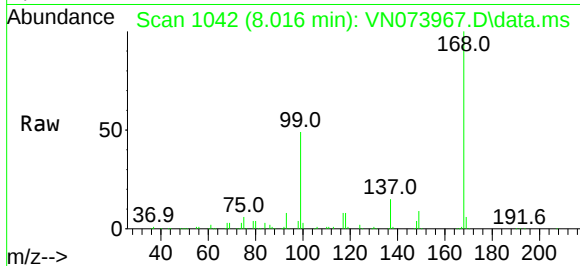




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

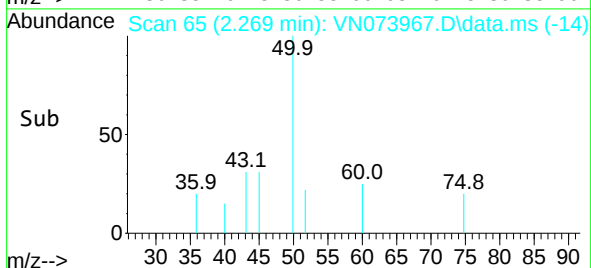
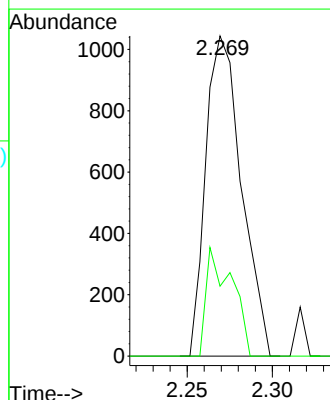
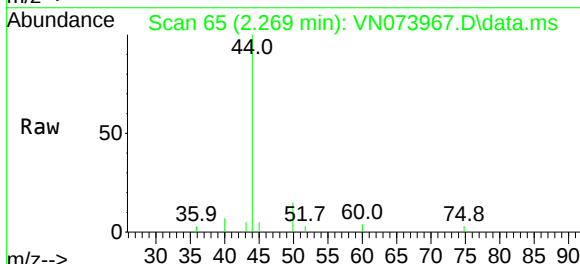
Instrument :
MSVOA_N
ClientSampleId :

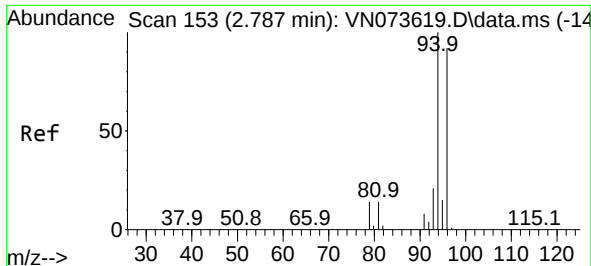
Tgt Ion:168 Resp: 641871
Ion Ratio Lower Upper
168 100
99 48.6 42.3 63.5



#3
Chloromethane
Concen: 0.269 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

Tgt Ion: 50 Resp: 1524
Ion Ratio Lower Upper
50 100
52 21.8 25.7 38.5#

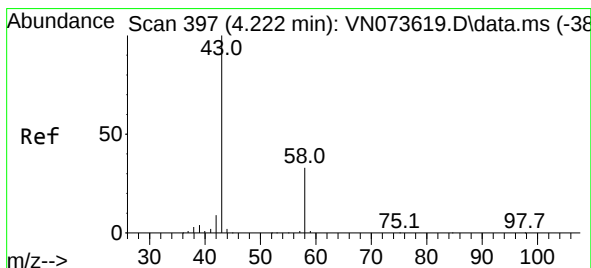
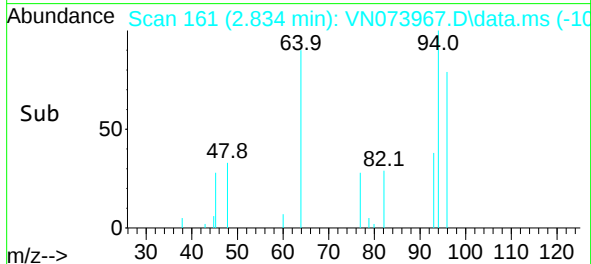
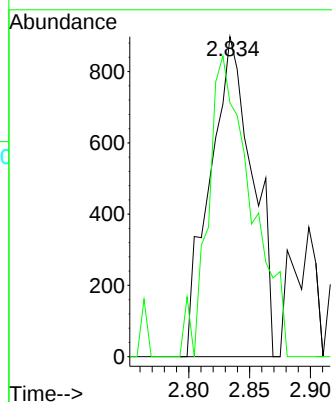
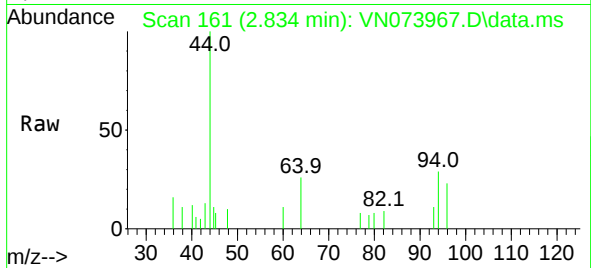




#5
Bromomethane
Concen: 0.484 ug/l
RT: 2.834 min Scan# 1
Delta R.T. 0.047 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

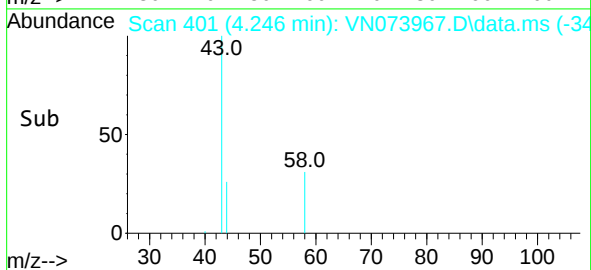
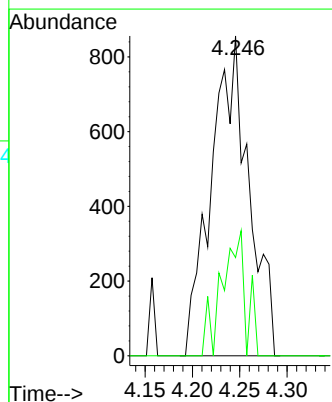
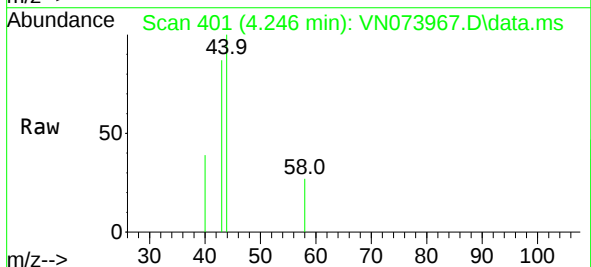
Instrument :
MSVOA_N
ClientSampleId :

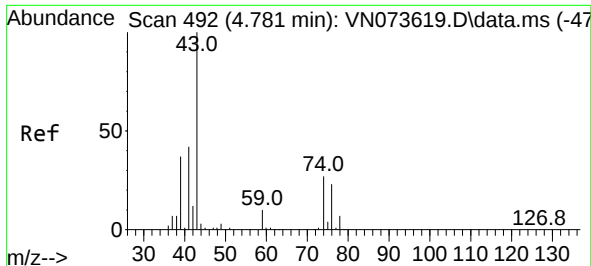
Tgt Ion: 94 Resp: 2198
Ion Ratio Lower Upper
94 100
96 79.3 76.0 114.0



#16
Acetone
Concen: 0.803 ug/l
RT: 4.246 min Scan# 401
Delta R.T. 0.024 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

Tgt Ion: 43 Resp: 2368
Ion Ratio Lower Upper
43 100
58 30.7 26.0 39.0

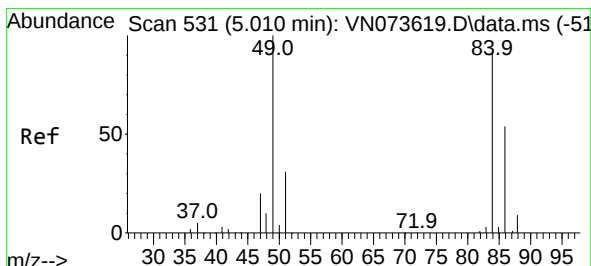
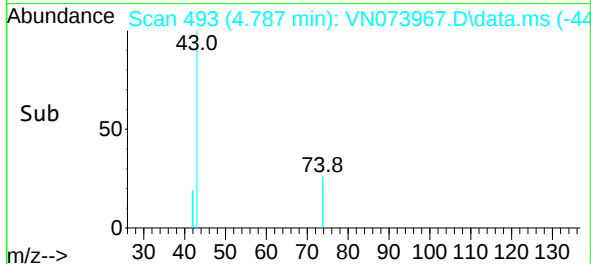
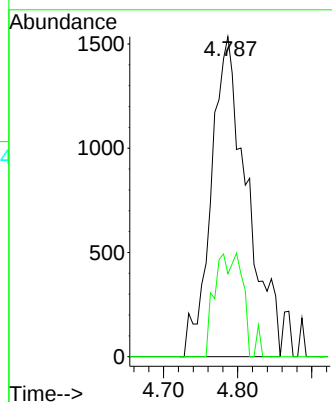
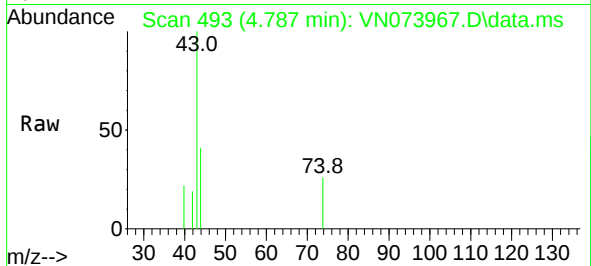




#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 492
Delta R.T. 0.006 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

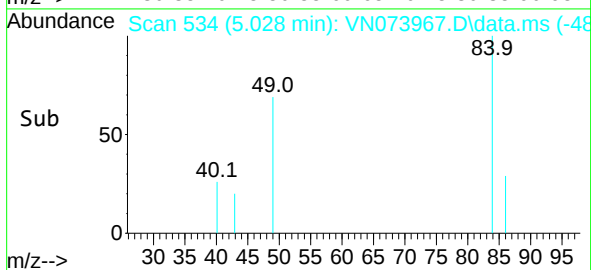
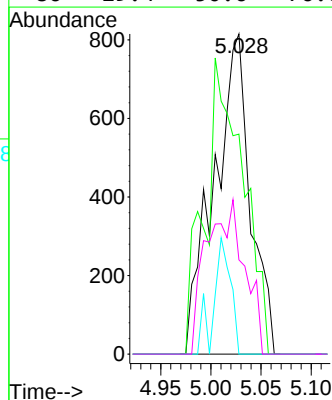
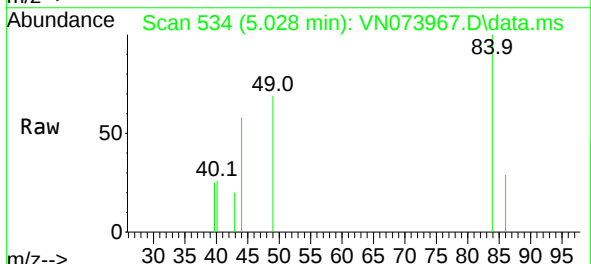
Instrument :
MSVOA_N
ClientSampleId :

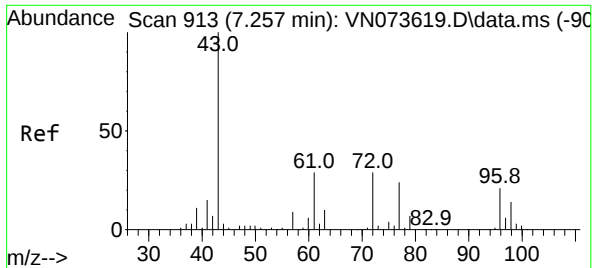
Tgt Ion: 43 Resp: 5154
Ion Ratio Lower Upper
43 100
74 13.3 21.6 32.4#



#20
Methylene Chloride
Concen: 0.330 ug/l
RT: 5.028 min Scan# 534
Delta R.T. 0.018 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

Tgt Ion: 84 Resp: 2051
Ion Ratio Lower Upper
84 100
49 68.7 88.3 132.5#
51 0.0 28.2 42.2#
86 29.4 50.6 76.0#





#25

2-Butanone

Concen: 0.384 ug/l

RT: 7.245 min Scan# 91

Delta R.T. -0.012 min

Lab File: VN073967.D

Acq: 17 Aug 2022 11:16

Instrument :

MSVOA_N

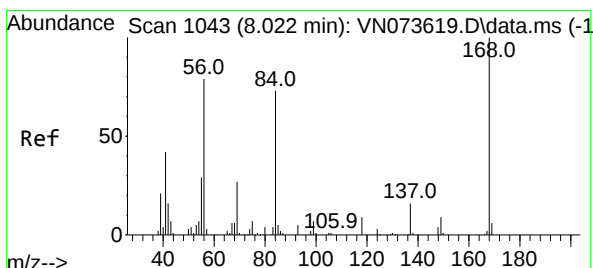
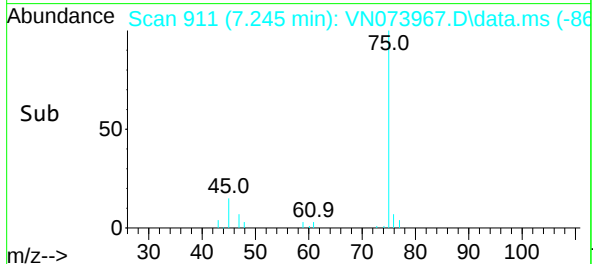
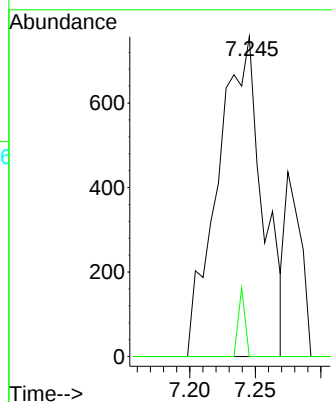
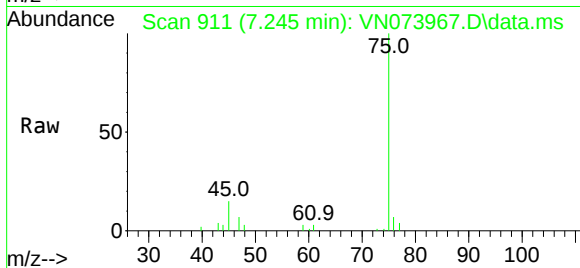
ClientSampleId :

Tgt Ion: 43 Resp: 1794

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN073967.D

Acq: 17 Aug 2022 11:16

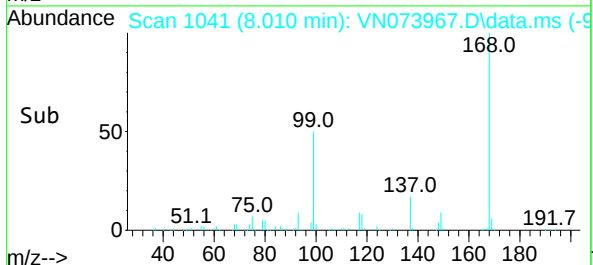
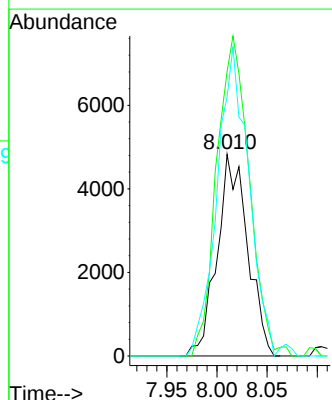
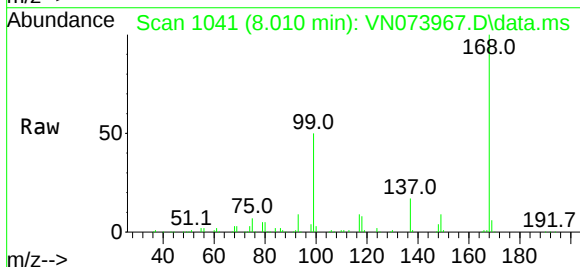
Tgt Ion: 56 Resp: 10223

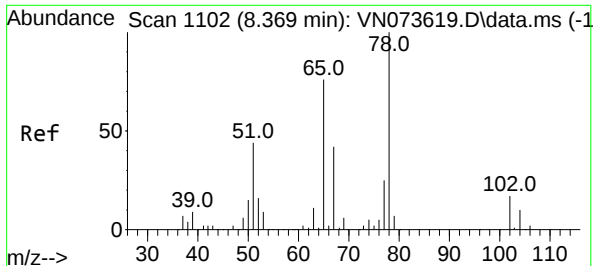
Ion Ratio Lower Upper

56 100

69 141.0 27.8 41.8#

84 128.4 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 51.722 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073967.D

Acq: 17 Aug 2022 11:16

Instrument :

MSVOA_N

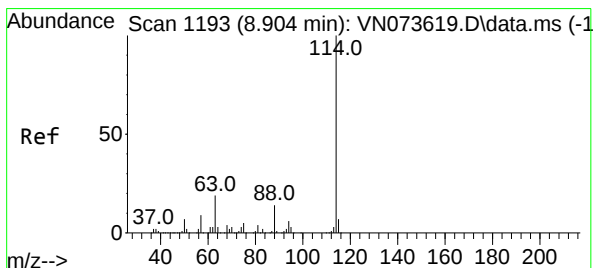
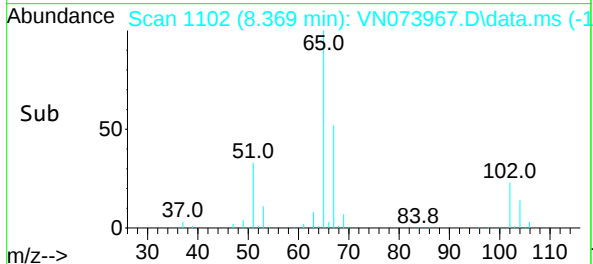
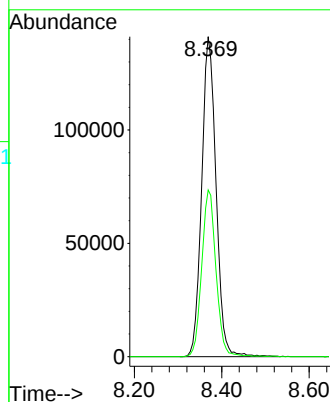
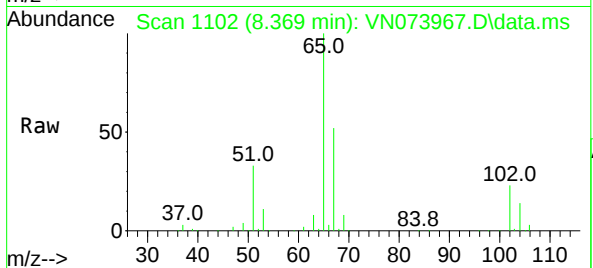
ClientSampleId :

Tgt Ion: 65 Resp: 323355

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. 0.000 min

Lab File: VN073967.D

Acq: 17 Aug 2022 11:16

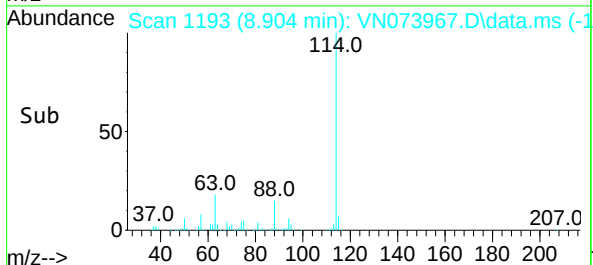
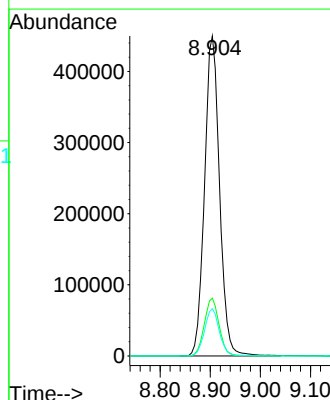
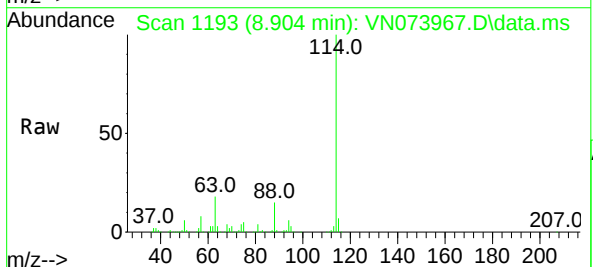
Tgt Ion: 114 Resp: 934817

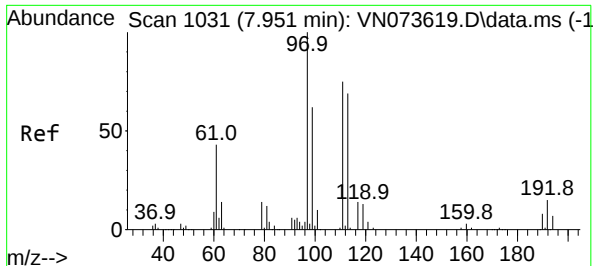
Ion Ratio Lower Upper

114 100

63 18.0 0.0 40.0

88 14.8 0.0 32.6

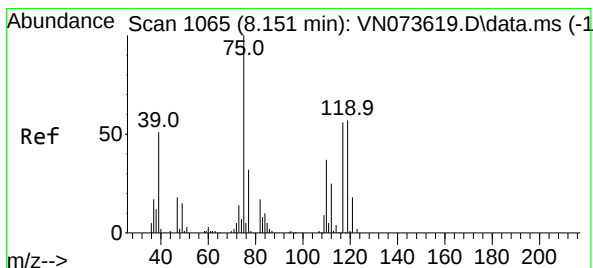
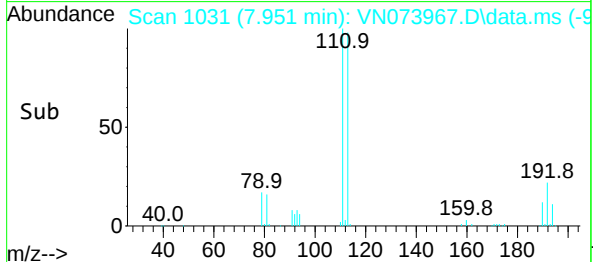
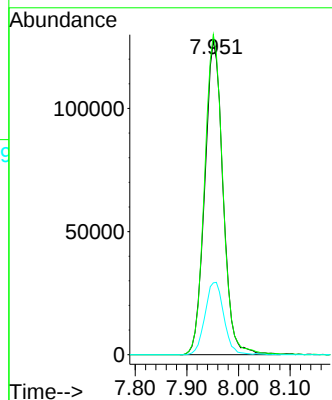
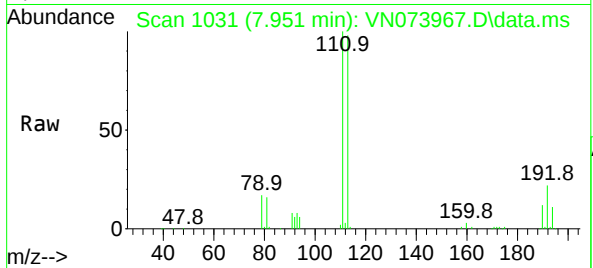




#35
Dibromofluoromethane
Concen: 56.580 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

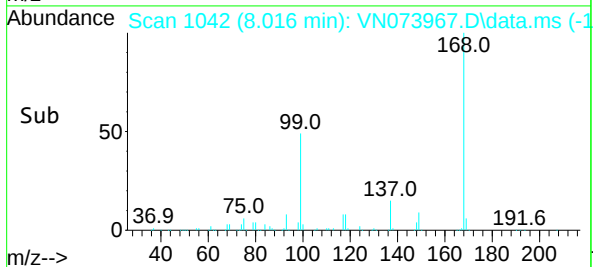
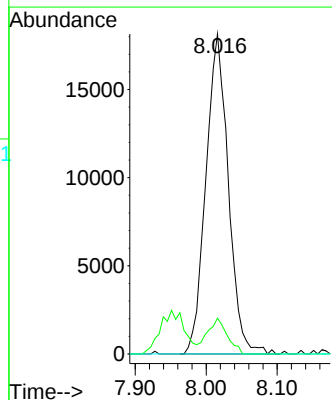
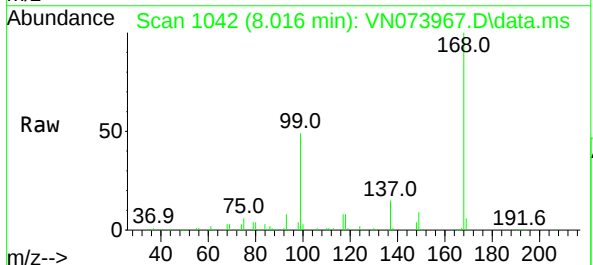
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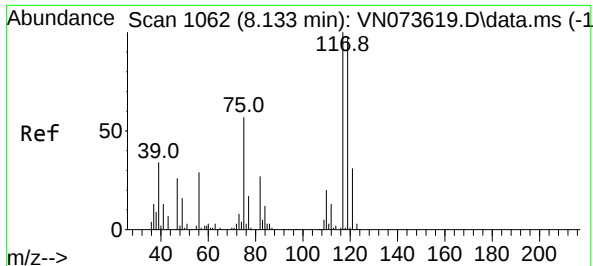
Tgt Ion:113 Resp: 312797
Ion Ratio Lower Upper
113 100
111 102.2 81.4 122.0
192 23.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

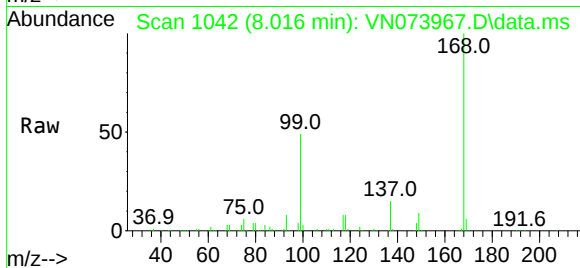
Tgt Ion: 75 Resp: 39947
Ion Ratio Lower Upper
75 100
110 9.9 18.3 54.8#
77 0.0 25.1 37.7#



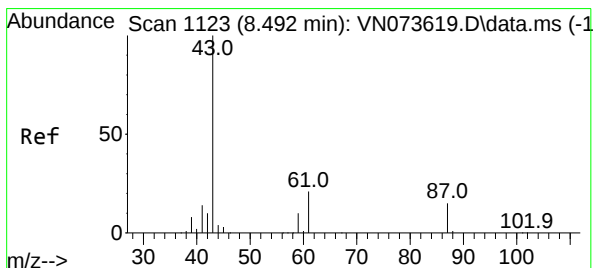
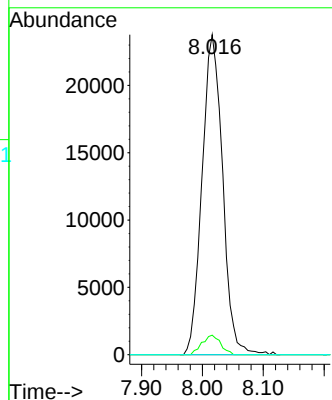
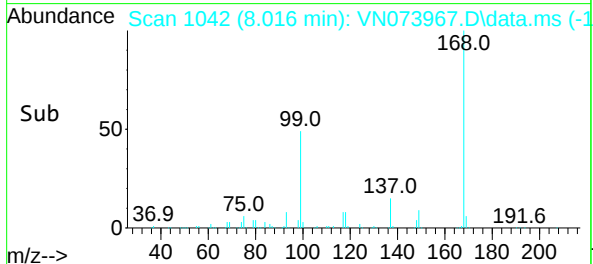


#38
Carbon Tetrachloride
Concen: 6.359 ug/l
RT: 8.016 min Scan# 1104
Delta R.T. -0.117 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

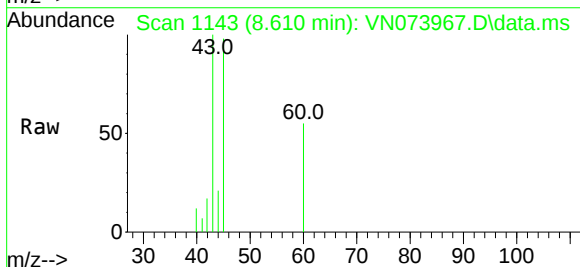
Instrument :
MSVOA_N
ClientSampleId :



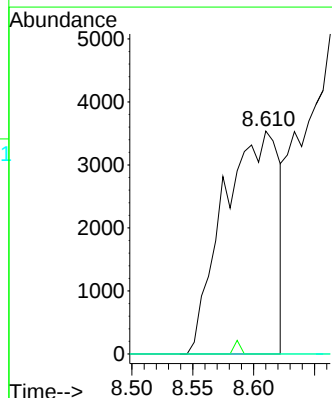
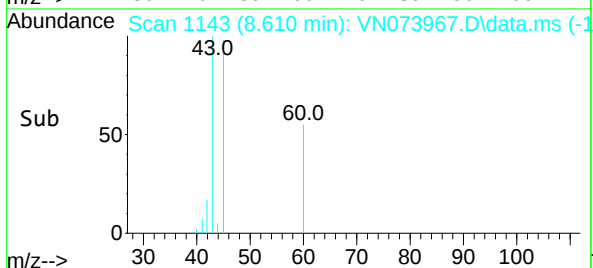
Tgt Ion:117 Resp: 55812
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 24.6 37.0#

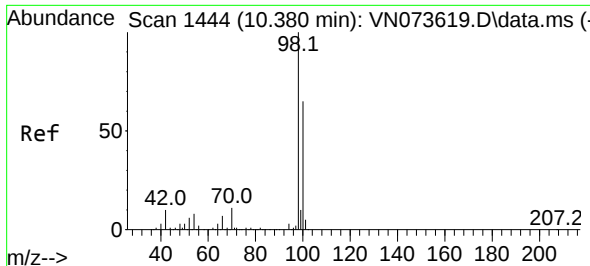


#43
Isopropyl Acetate
Concen: 0.844 ug/l
RT: 8.610 min Scan# 1143
Delta R.T. 0.118 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16



Tgt Ion: 43 Resp: 11182
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#

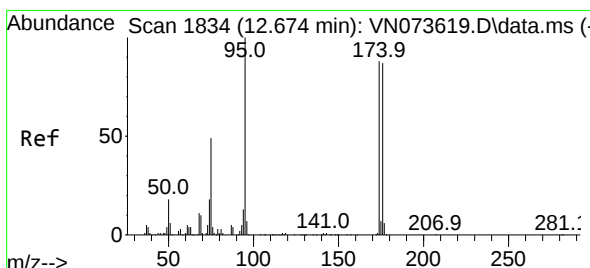
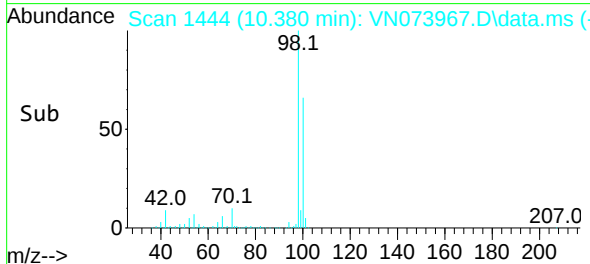
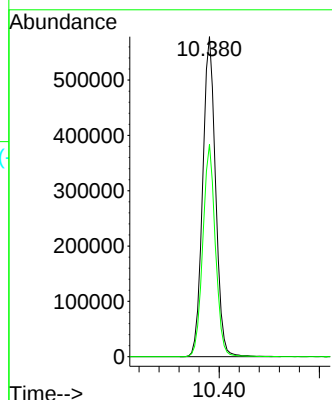
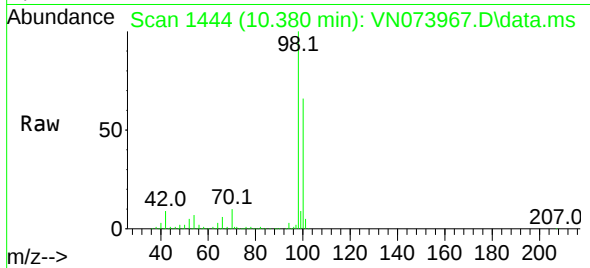




#50
Toluene-d8
Concen: 48.255 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

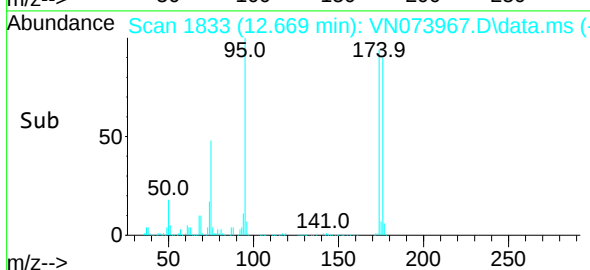
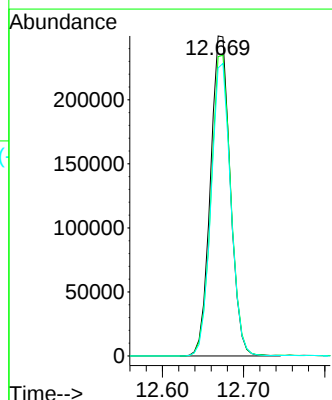
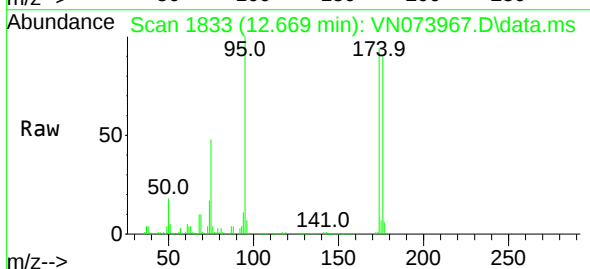
Instrument :
MSVOA_N
ClientSampleId :

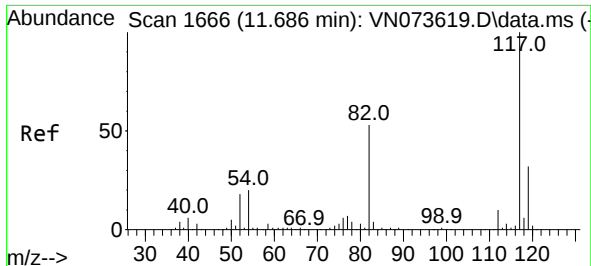
Tgt Ion: 98 Resp: 1033201
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 59.591 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.005 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

Tgt Ion: 95 Resp: 423453
Ion Ratio Lower Upper
95 100
174 93.7 0.0 167.6
176 90.5 0.0 163.4

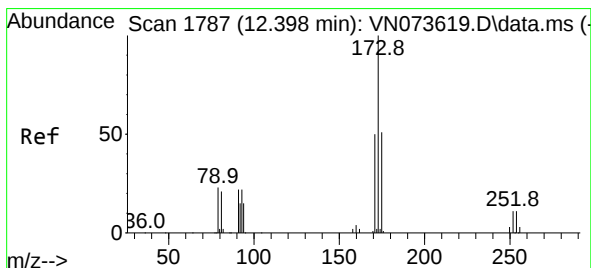
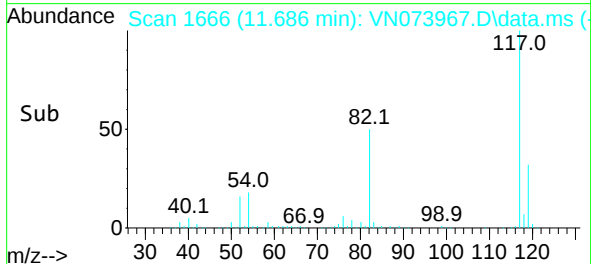
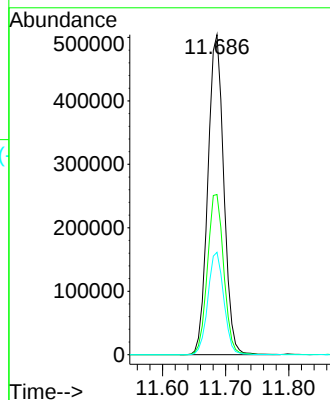
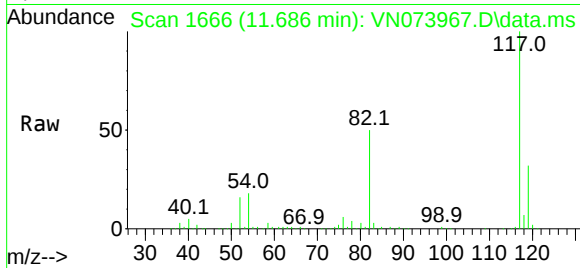




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

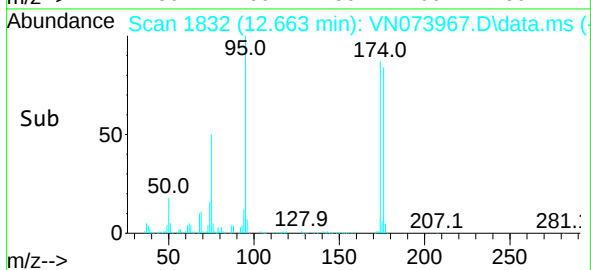
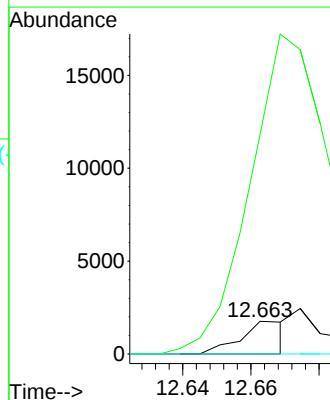
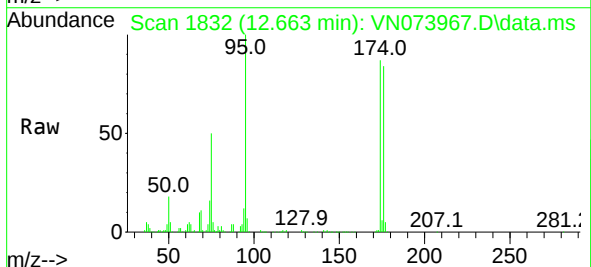
Instrument :
MSVOA_N
ClientSampleId :

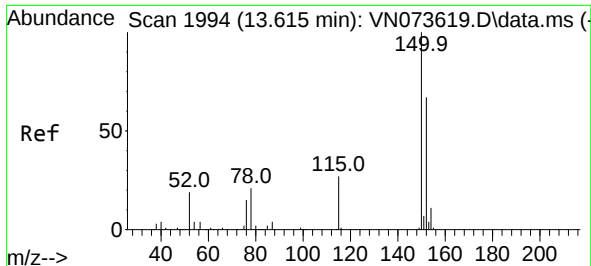
Tgt Ion:117 Resp: 882300
Ion Ratio Lower Upper
117 100
82 50.0 44.2 66.2
119 32.0 25.4 38.0



#71
Bromoform
Concen: 0.259 ug/l
RT: 12.663 min Scan# 1832
Delta R.T. 0.265 min
Lab File: VN073967.D
Acq: 17 Aug 2022 11:16

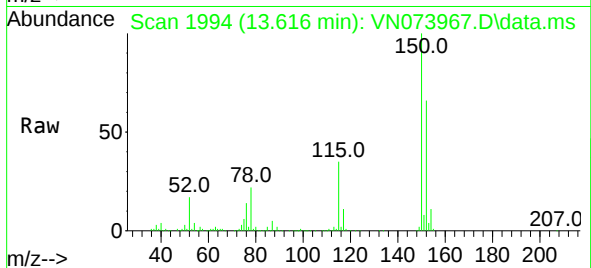
Tgt Ion:173 Resp: 1641
Ion Ratio Lower Upper
173 100
175 1197.1 24.6 73.6#
254 0.0 0.1 0.1#



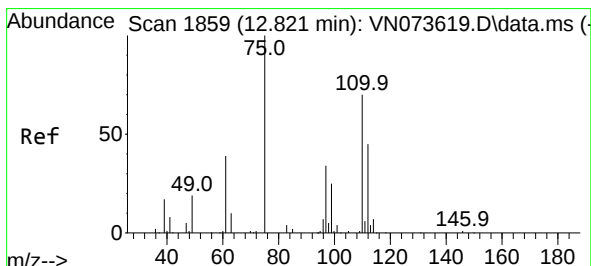
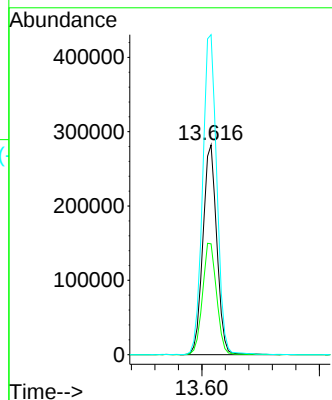
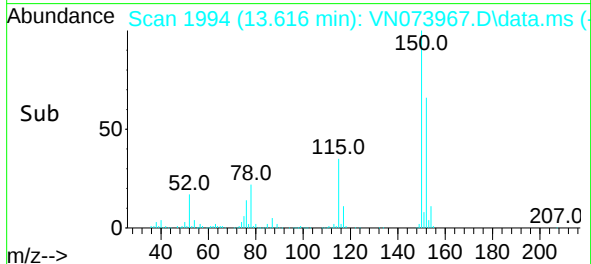


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN073967.D
 Acq: 17 Aug 2022 11:16

Instrument :
 MSVOA_N
 ClientSampleId :

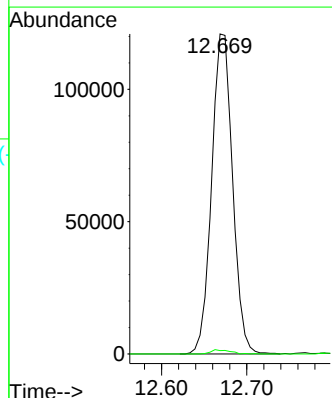
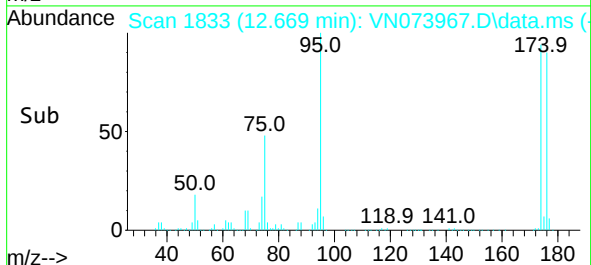
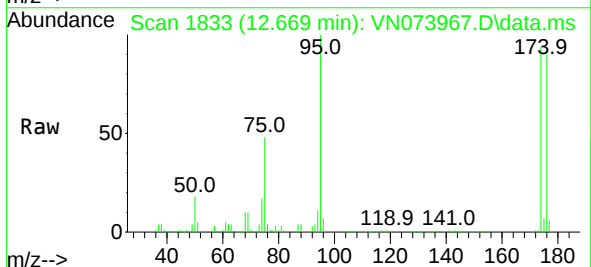


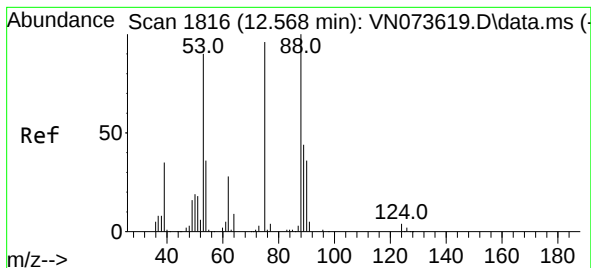
Tgt Ion:152 Resp: 464801
 Ion Ratio Lower Upper
 152 100
 115 53.8 28.9 86.7
 150 155.3 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 21.361 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.152 min
 Lab File: VN073967.D
 Acq: 17 Aug 2022 11:16

Tgt Ion: 75 Resp: 206367
 Ion Ratio Lower Upper
 75 100
 77 1.2 98.5 295.5#

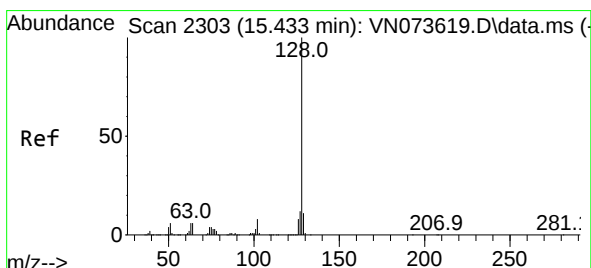
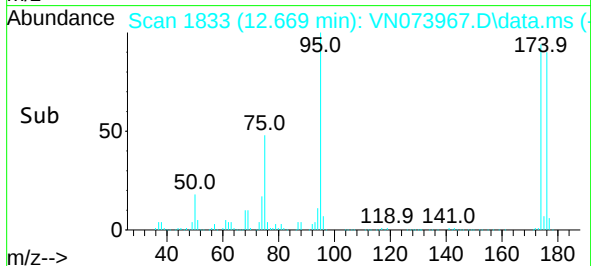
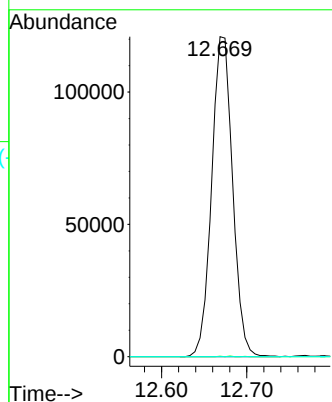
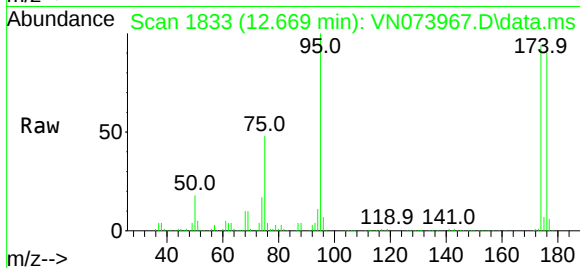




#81
 trans-1,4-Dichloro-2-butene
 Concen: 60.755 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. 0.101 min
 Lab File: VN073967.D
 Acq: 17 Aug 2022 11:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 206367
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#



#95
 Naphthalene
 Concen: 0.217 ug/l
 RT: 15.427 min Scan# 2302
 Delta R.T. -0.006 min
 Lab File: VN073967.D
 Acq: 17 Aug 2022 11:16

Tgt Ion: 128 Resp: 7069
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.3 15.5
 129 10.4 8.6 13.0

