

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074218.D
 Acq On : 31 Aug 2022 16:48
 Operator : JC\MD
 Sample : N4455-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:27:17 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 31 07:02:40 2022
 Response via : Initial Calibration

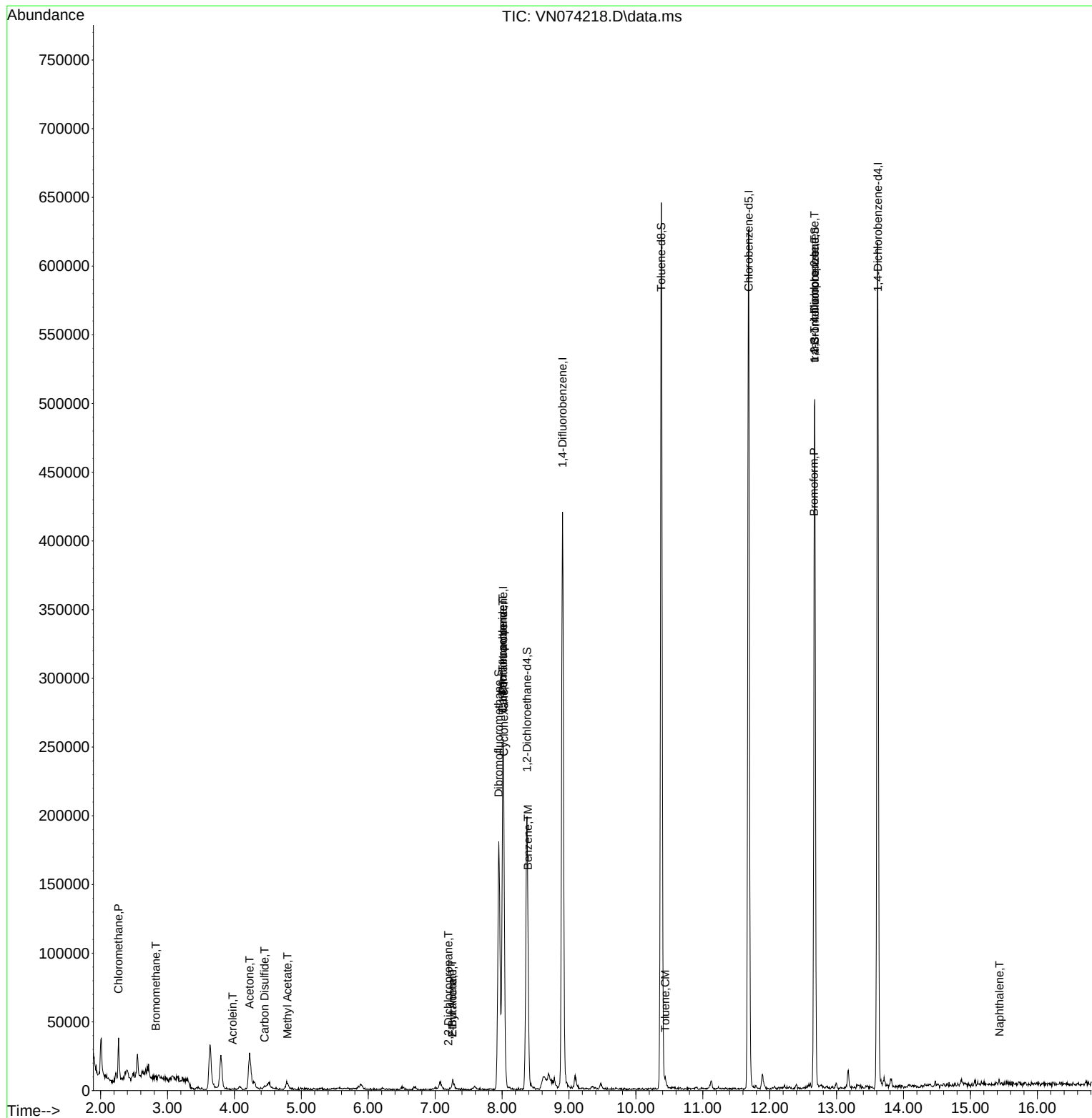
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	184623	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	337186	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	324317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	151819	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	154228	53.851	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.700%	
35) Dibromofluoromethane	7.951	113	126717	57.753	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 115.500%	
50) Toluene-d8	10.380	98	412674	47.759	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.520%	
62) 4-Bromofluorobenzene	12.674	95	157988	60.124	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.240%	
Target Compounds						Qvalue
3) Chloromethane	2.269	50	20748	7.711	ug/l	90
5) Bromomethane	2.828	94	594	0.406	ug/l #	67
6) Chloroethane	2.963	64	683	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	689	Below Cal	#	94
13) Acrolein	3.975	56	157	0.248	ug/l #	16
16) Acetone	4.228	43	45754	23.908	ug/l	98
17) Carbon Disulfide	4.451	76	2656	0.431	ug/l #	75
18) Methyl Acetate	4.792	43	11420	0.343	ug/l #	79
20) Methylene Chloride	5.004	84	137	Below Cal	#	10
25) 2-Butanone	7.257	43	11289	3.688	ug/l #	70
26) 2,2-Dichloropropane	7.198	77	72	0.291	ug/l #	53
31) Cyclohexane	8.027	56	5781	1.222	ug/l #	60
36) 1,1-Dichloropropene	8.010	75	16918	4.752	ug/l #	50
37) Ethyl Acetate	7.257	43	11289	1.896	ug/l #	68
38) Carbon Tetrachloride	8.010	117	20174	6.239	ug/l #	15
40) Benzene	8.386	78	6813	0.609	ug/l	100
52) Toluene	10.439	92	1574	0.239	ug/l #	71
71) Bromoform	12.663	173	602	0.274	ug/l #	1
76) 1,2,3-Trichloropropane	12.668	75	94385	25.019	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	94385	64.530	ug/l #	11
95) Naphthalene	15.433	128	3362	1.436	ug/l #	77

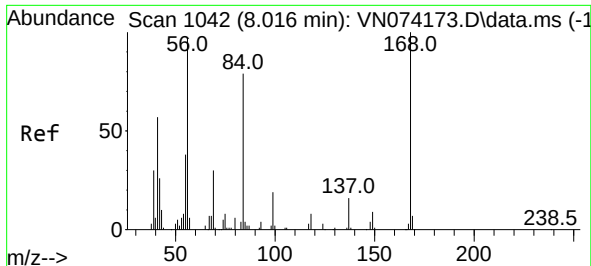
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N083022W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 31 07:02:40 2022
Response via : Initial Calibration

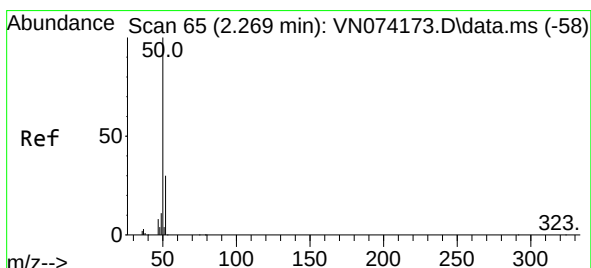
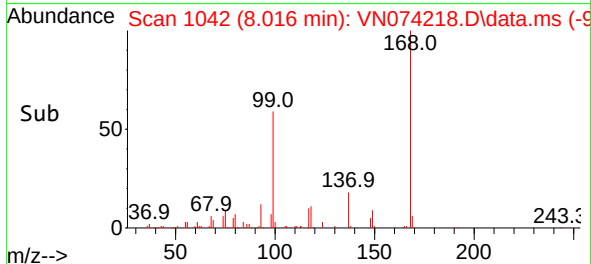
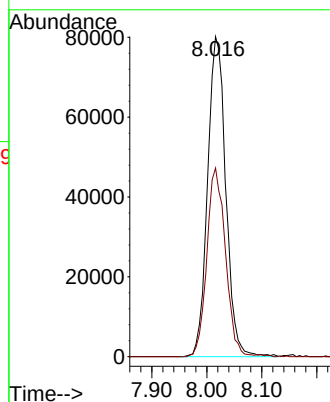
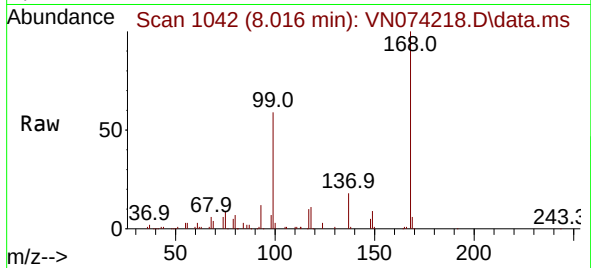




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

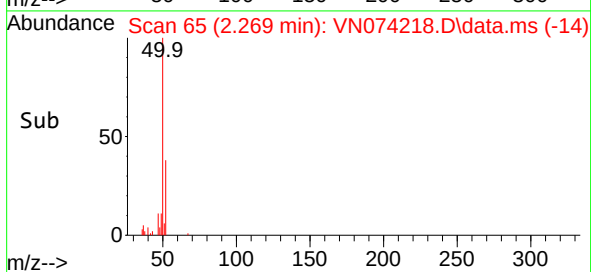
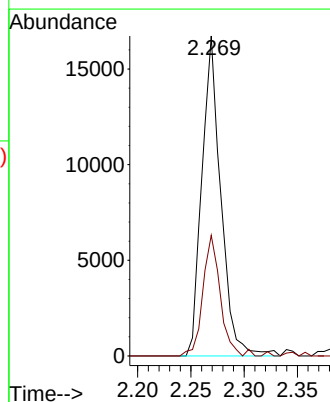
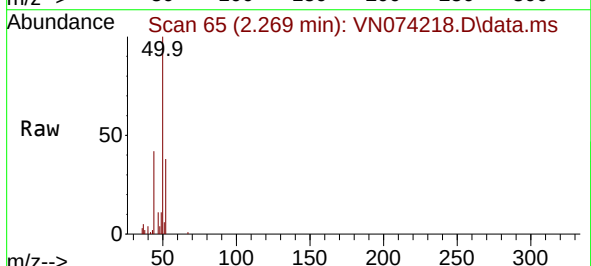
Instrument :
MSVOA_N
ClientSampleId :

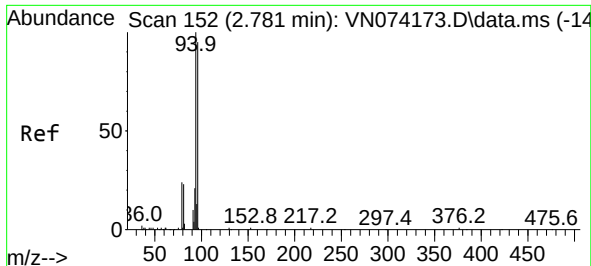
Tgt Ion:168 Resp: 184623
Ion Ratio Lower Upper
168 100
99 59.0 42.3 63.5



#3
Chloromethane
Concen: 7.711 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Tgt Ion: 50 Resp: 20748
Ion Ratio Lower Upper
50 100
52 37.7 25.7 38.5

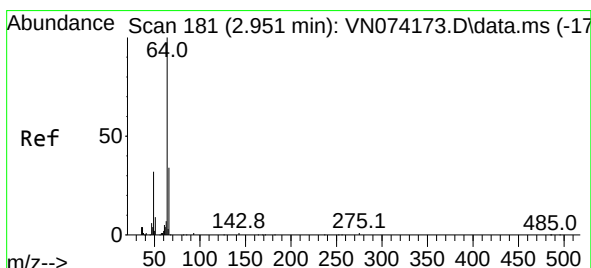
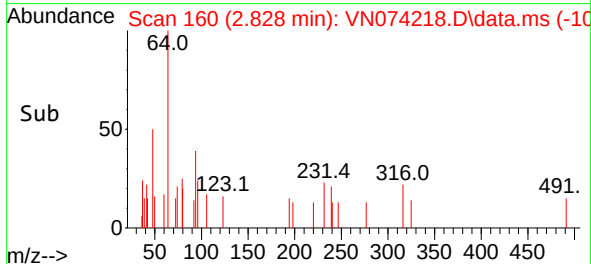
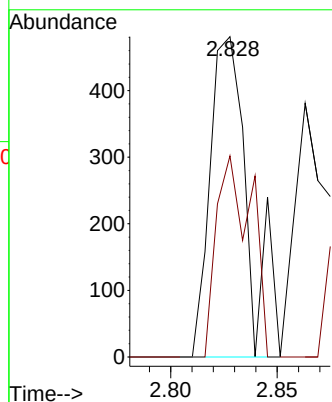
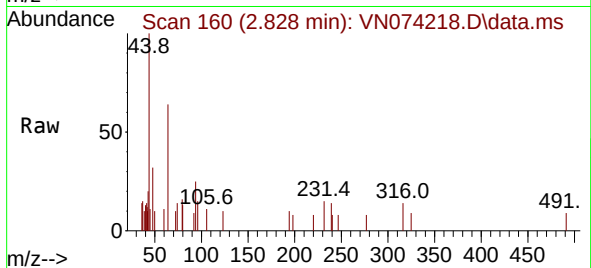




#5
Bromomethane
Concen: 0.406 ug/l
RT: 2.828 min Scan# 11
Delta R.T. 0.047 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

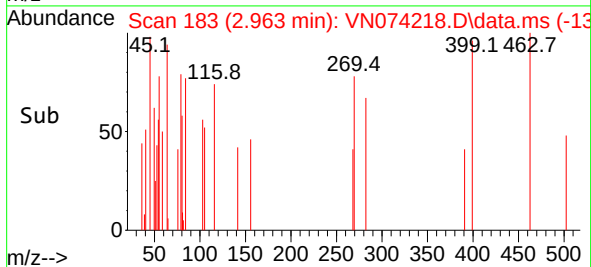
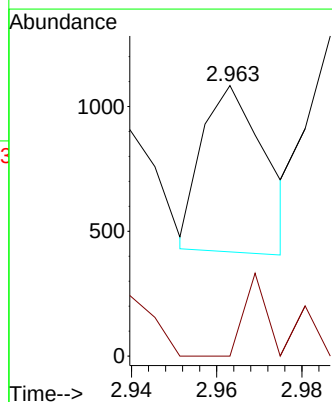
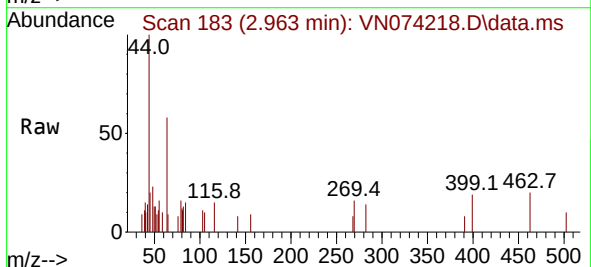
Instrument :
MSVOA_N
ClientSampleId :

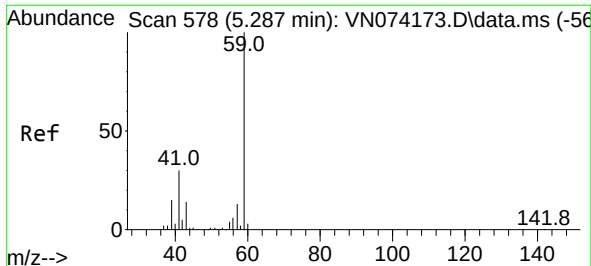
Tgt Ion: 94 Resp: 594
Ion Ratio Lower Upper
94 100
96 62.8 76.0 114.0#



#6
Chloroethane
Concen: Below Cal
RT: 2.963 min Scan# 183
Delta R.T. 0.012 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

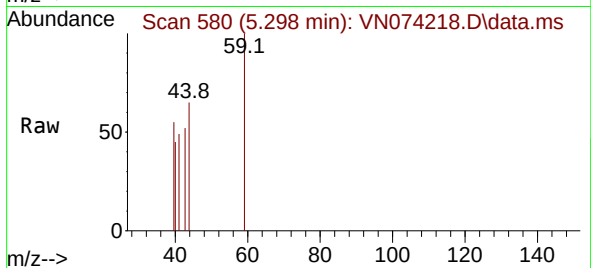
Tgt Ion: 64 Resp: 683
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



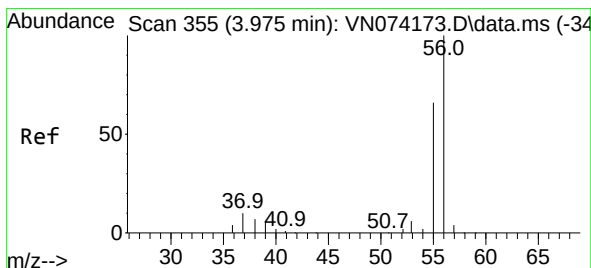
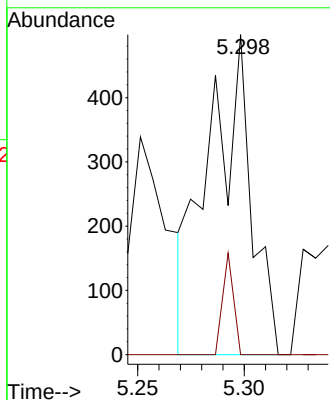
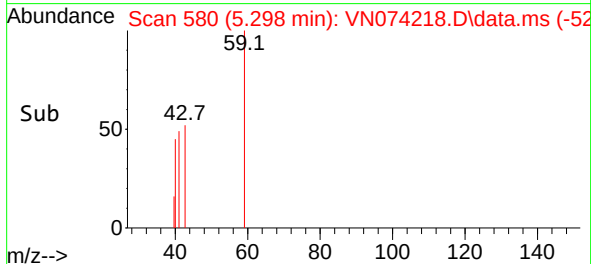


#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.298 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Instrument :
MSVOA_N
ClientSampleId :

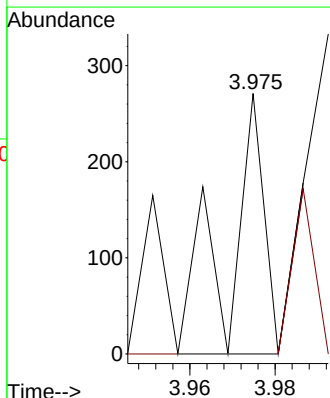
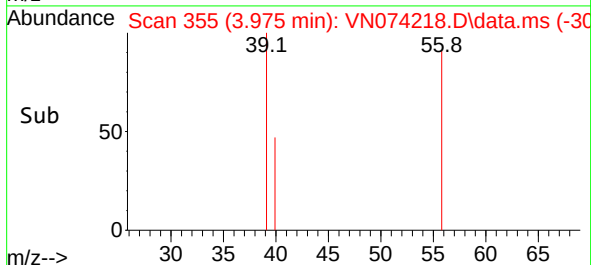
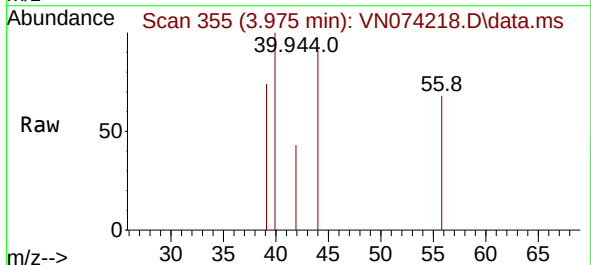


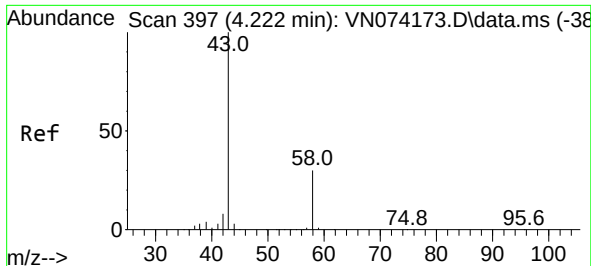
Tgt Ion: 59 Resp: 689
Ion Ratio Lower Upper
59 100
57 8.1 8.3 12.5#



#13
Acrolein
Concen: 0.248 ug/l
RT: 3.975 min Scan# 355
Delta R.T. -0.000 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 0.0 54.8 82.2#

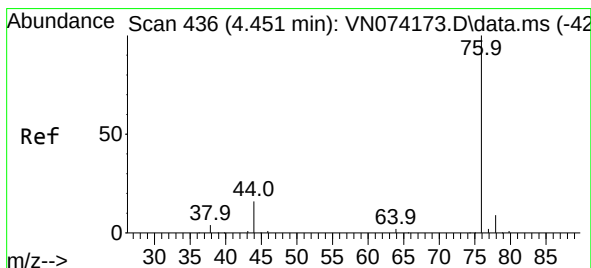
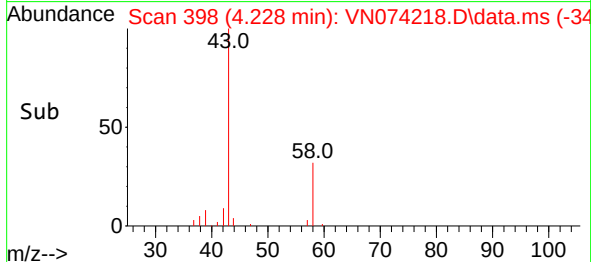
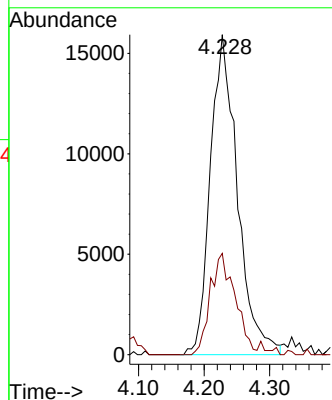
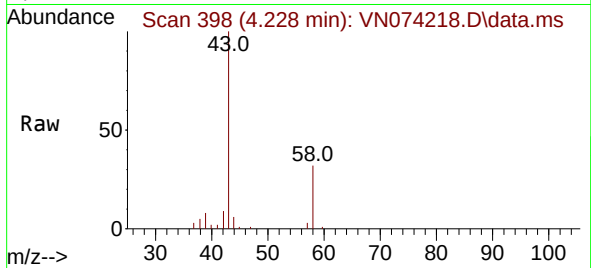




#16
 Acetone
 Concen: 23.908 ug/l
 RT: 4.228 min Scan# 397
 Delta R.T. 0.006 min
 Lab File: VN074218.D
 Acq: 31 Aug 2022 16:48

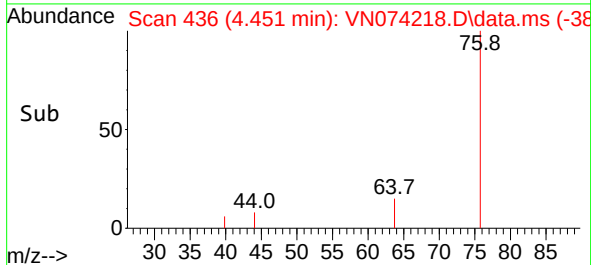
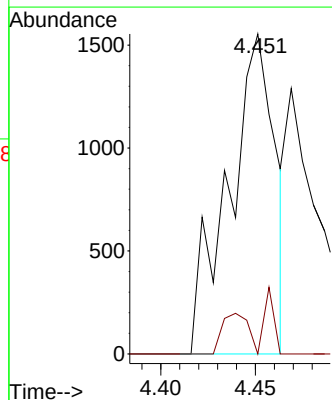
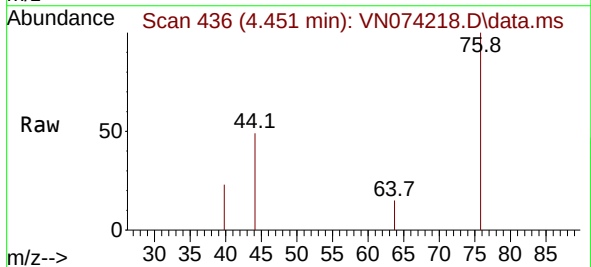
Instrument :
 MSVOA_N
 ClientSampleId :

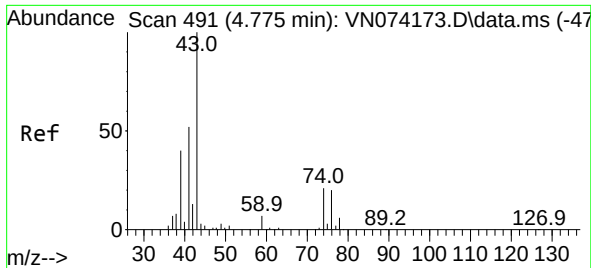
Tgt Ion: 43 Resp: 45754
 Ion Ratio Lower Upper
 43 100
 58 31.7 26.0 39.0



#17
 Carbon Disulfide
 Concen: 0.431 ug/l
 RT: 4.451 min Scan# 436
 Delta R.T. -0.000 min
 Lab File: VN074218.D
 Acq: 31 Aug 2022 16:48

Tgt Ion: 76 Resp: 2656
 Ion Ratio Lower Upper
 76 100
 78 0.0 7.2 10.8#

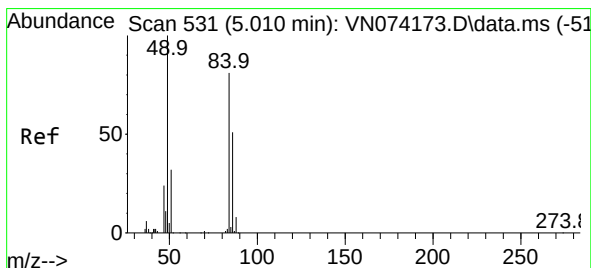
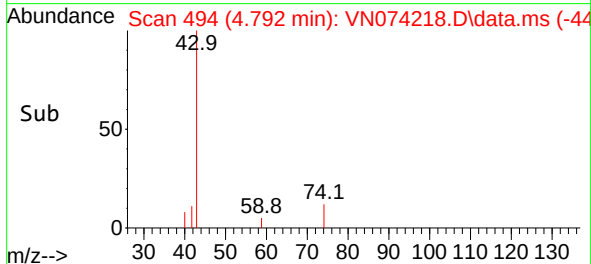
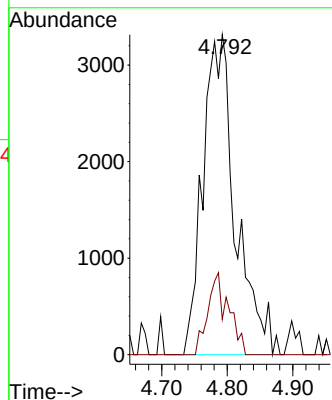
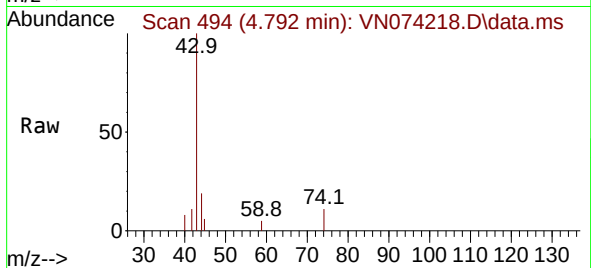




#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 4.792 min Scan# 491
Delta R.T. 0.017 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

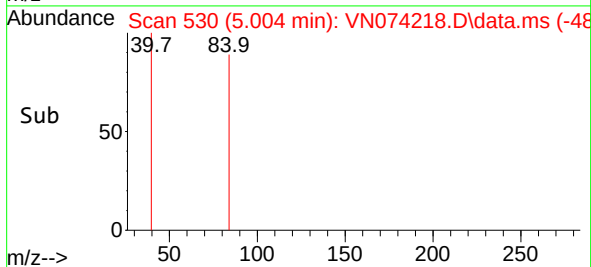
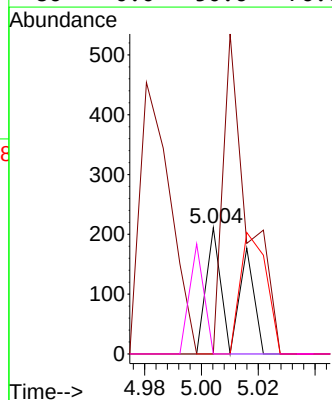
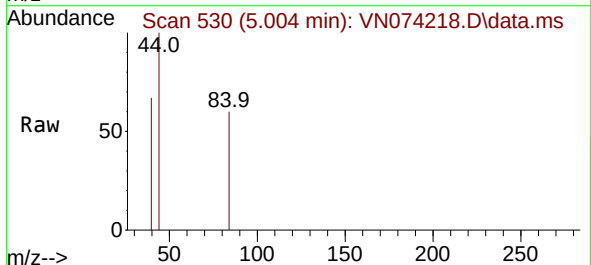
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MSVOA_N
ClientSampleId :

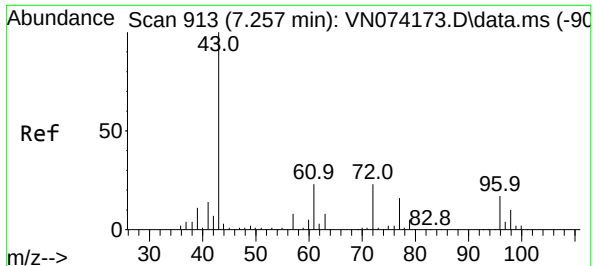
Tgt Ion: 43 Resp: 11420
Ion Ratio Lower Upper
43 100
74 16.3 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Tgt Ion: 84 Resp: 137
Ion Ratio Lower Upper
84 100
49 0.0 88.3 132.5#
51 0.0 28.2 42.2#
86 0.0 50.6 76.0#





#25

2-Butanone

Concen: 3.688 ug/l

RT: 7.257 min Scan# 913

Delta R.T. -0.000 min

Lab File: VN074218.D

Acq: 31 Aug 2022 16:48

Instrument :

MSVOA_N

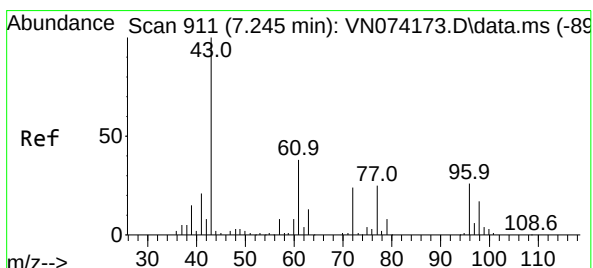
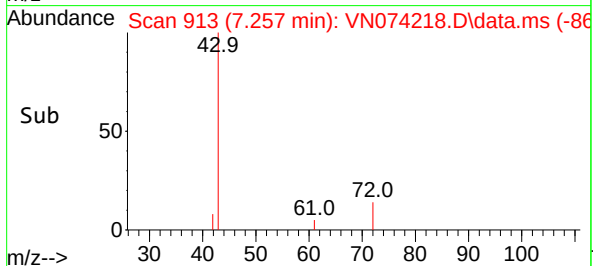
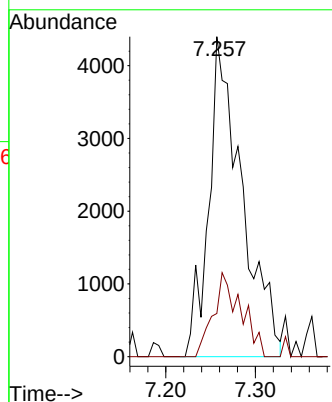
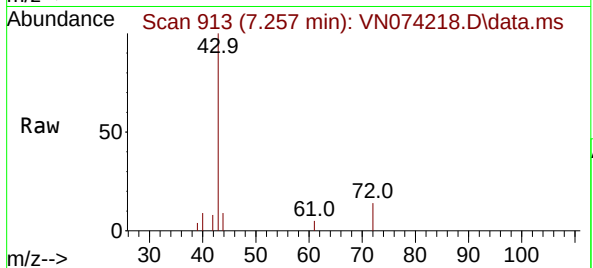
ClientSampleId :

Tgt Ion: 43 Resp: 11289

Ion Ratio Lower Upper

43 100

72 13.5 23.7 35.5#



#26

2,2-Dichloropropane

Concen: 0.291 ug/l

RT: 7.198 min Scan# 903

Delta R.T. -0.047 min

Lab File: VN074218.D

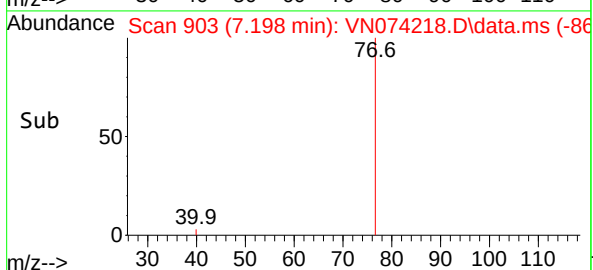
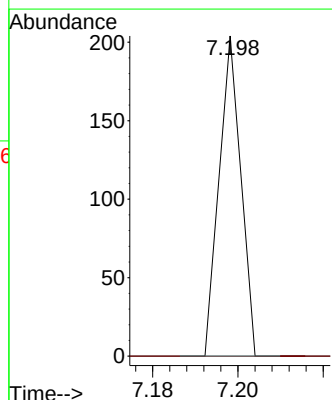
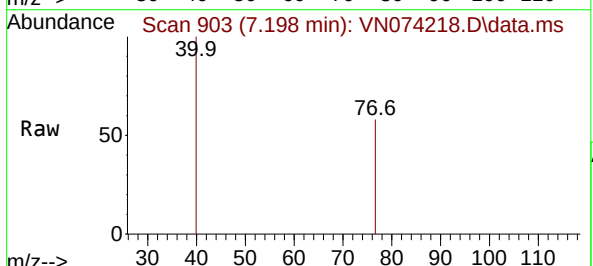
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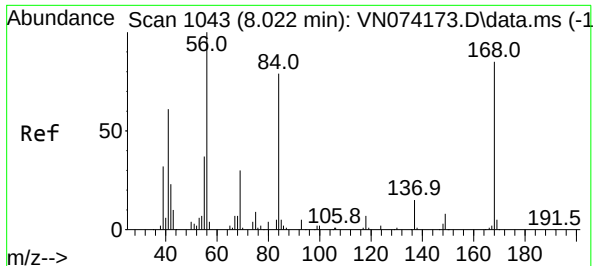
Tgt Ion: 77 Resp: 72

Ion Ratio Lower Upper

77 100

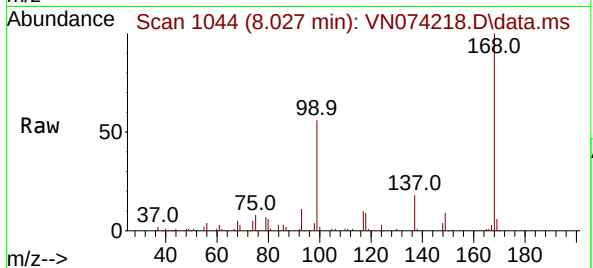
97 0.0 11.4 34.2#



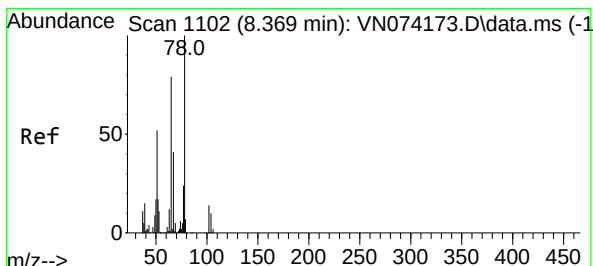
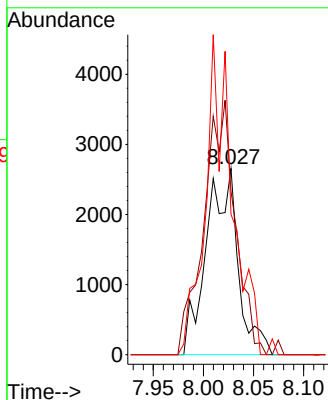
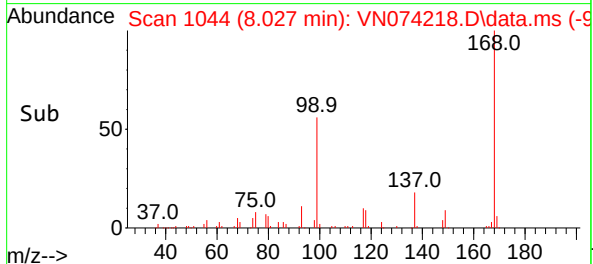


#31
Cyclohexane
Concen: 1.222 ug/l
RT: 8.027 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Instrument :
MSVOA_N
ClientSampleId :

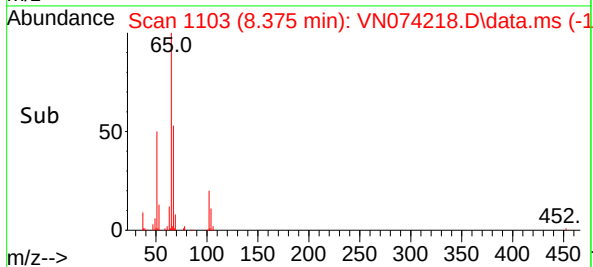
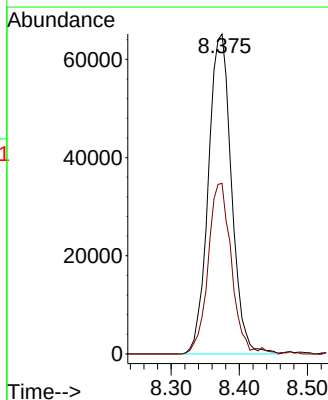
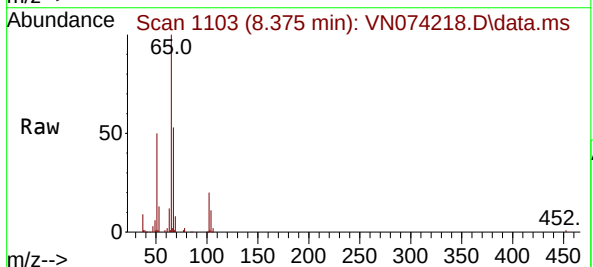


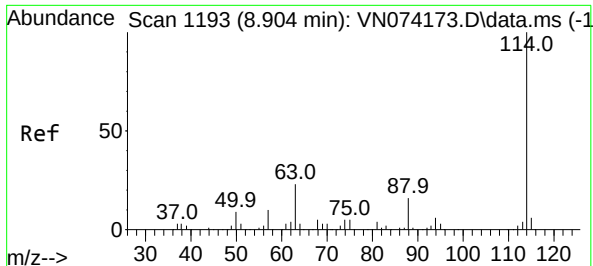
Tgt Ion: 56 Resp: 5781
Ion Ratio Lower Upper
56 100
69 87.8 27.8 41.8#
84 75.3 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 53.851 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Tgt Ion: 65 Resp: 154228
Ion Ratio Lower Upper
65 100
67 53.2 0.0 104.8

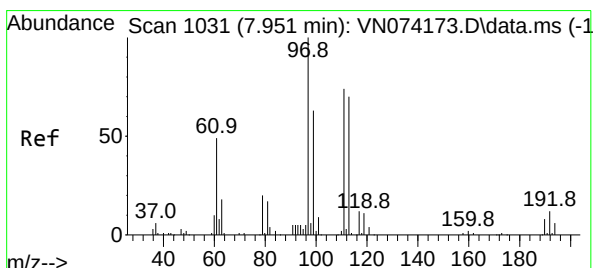
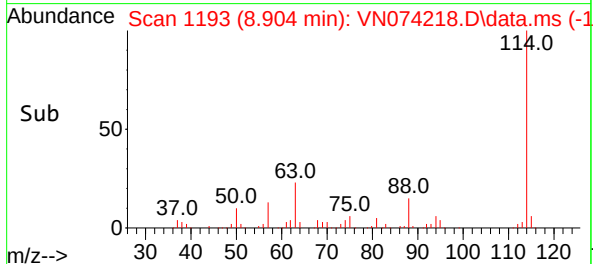
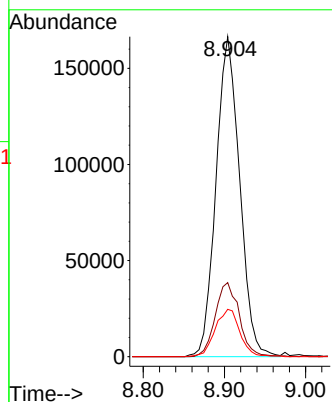
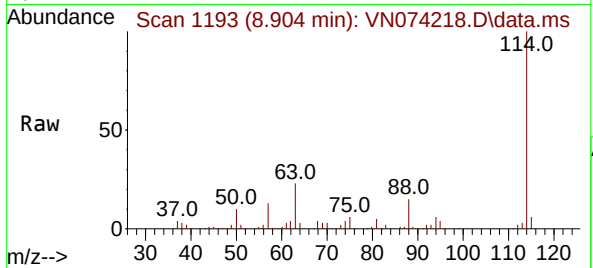




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

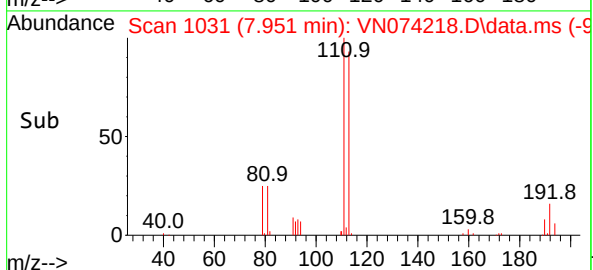
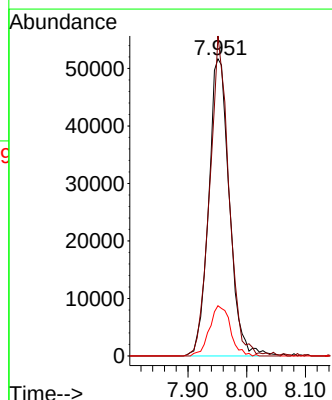
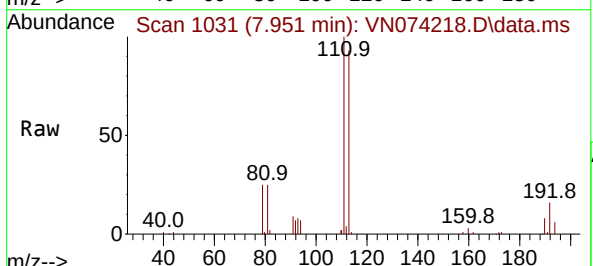
Instrument :
MSVOA_N
ClientSampleId :

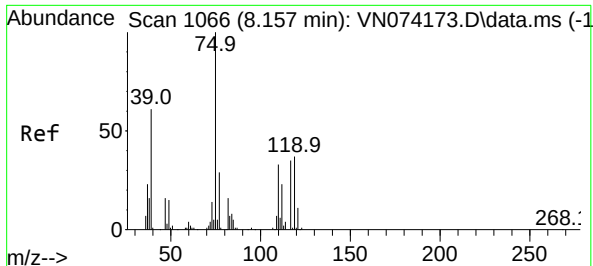
Tgt Ion:114 Resp: 337186
Ion Ratio Lower Upper
114 100
63 23.2 0.0 40.0
88 14.8 0.0 32.6



#35
Dibromofluoromethane
Concen: 57.753 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Tgt Ion:113 Resp: 126717
Ion Ratio Lower Upper
113 100
111 99.3 81.4 122.0
192 17.1 17.0 25.6





#36

1,1-Dichloropropene

Concen: 4.752 ug/l

RT: 8.010 min Scan# 1

Delta R.T. -0.147 min

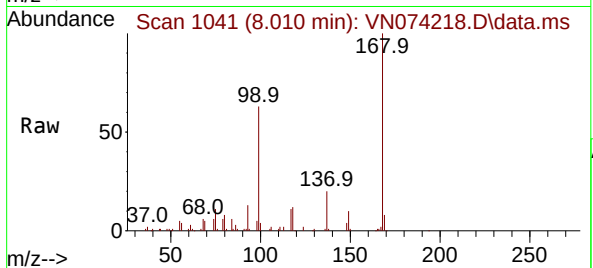
Lab File: VN074218.D

Acq: 31 Aug 2022 16:48

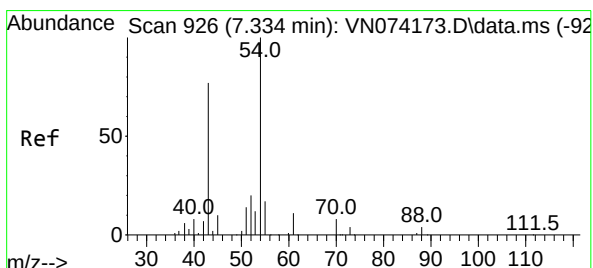
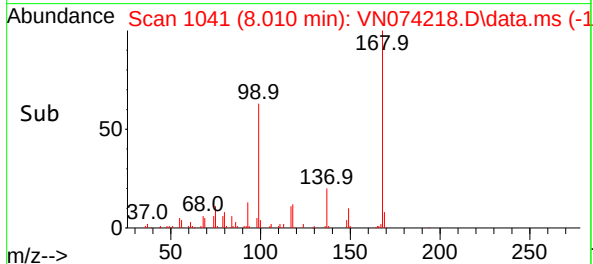
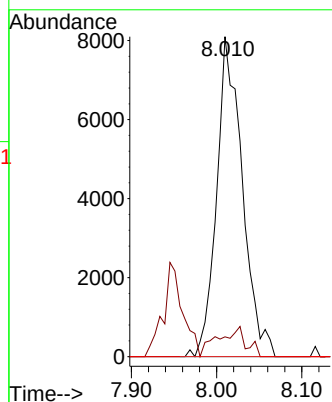
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	16918
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.3	54.8#
77	0.0	25.1	37.7#



#37

Ethyl Acetate

Concen: 1.896 ug/l

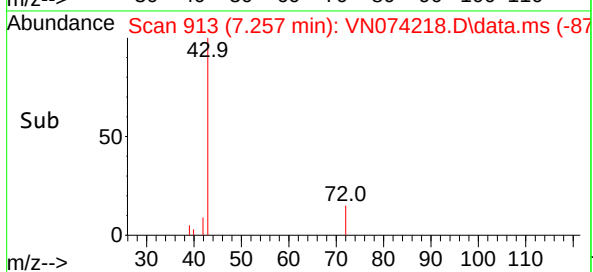
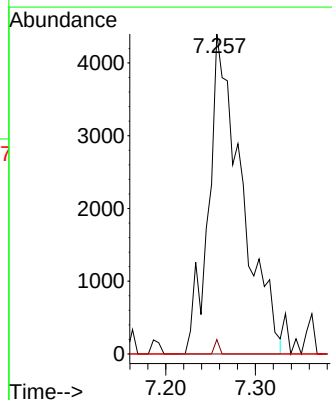
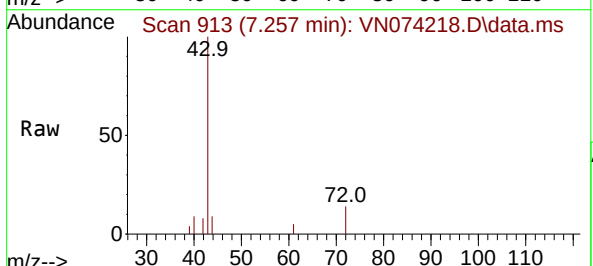
RT: 7.257 min Scan# 913

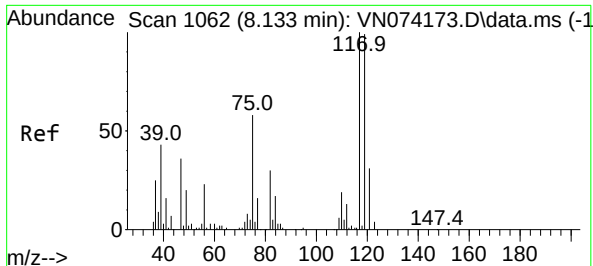
Delta R.T. -0.077 min

Lab File: VN074218.D

Acq: 31 Aug 2022 16:48

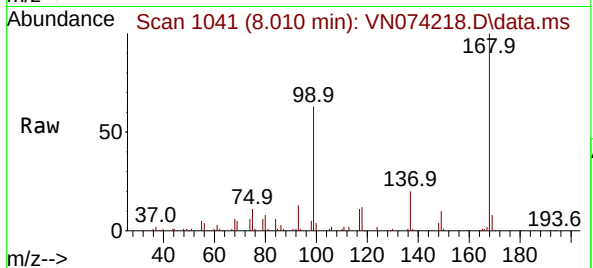
Tgt Ion:	43	Resp:	11289
Ion	Ratio	Lower	Upper
43	100		
61	0.6	11.8	17.6#
70	0.0	9.3	13.9#



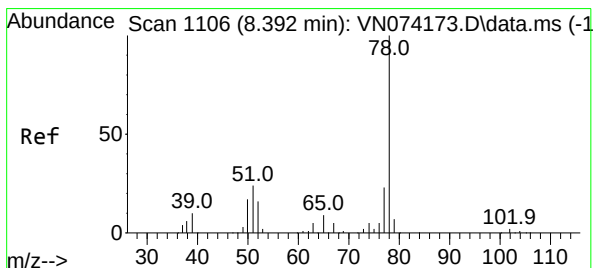
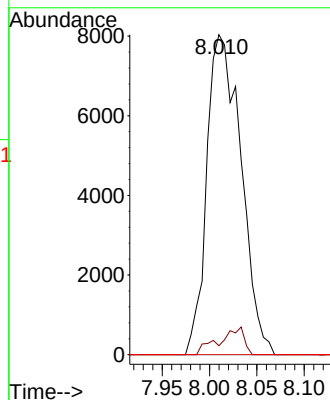
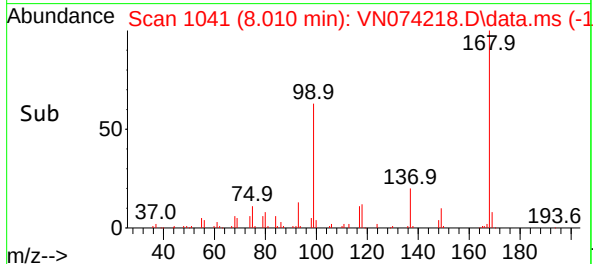


#38
Carbon Tetrachloride
Concen: 6.239 ug/l
RT: 8.010 min Scan# 1105
Delta R.T. -0.123 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Instrument :
MSVOA_N
ClientSampleId :

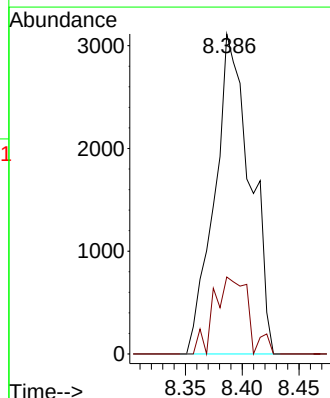
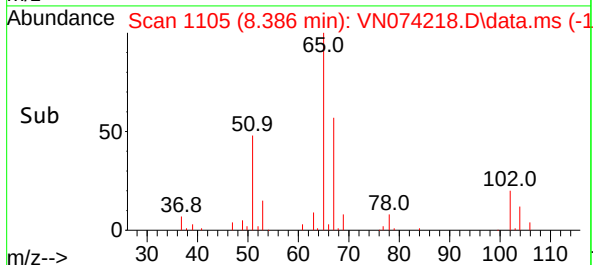
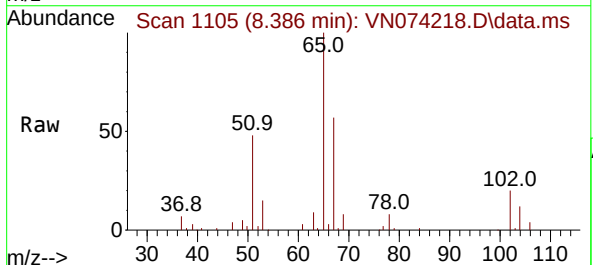


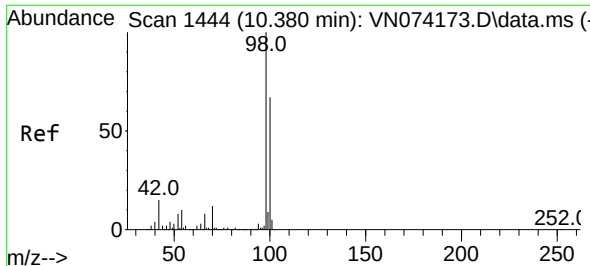
Tgt Ion:117 Resp: 20174
Ion Ratio Lower Upper
117 100
119 2.8 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.609 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Tgt Ion: 78 Resp: 6813
Ion Ratio Lower Upper
78 100
77 24.1 19.4 29.0

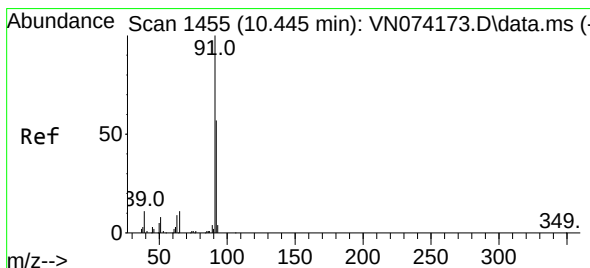
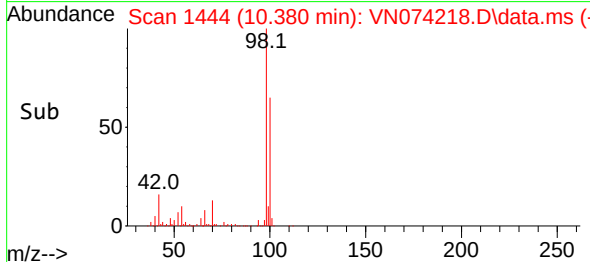
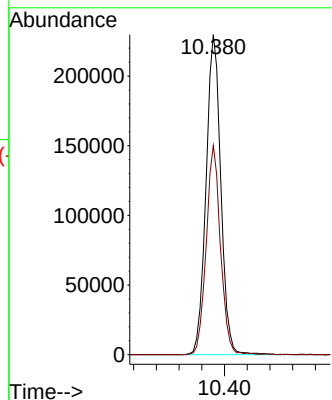
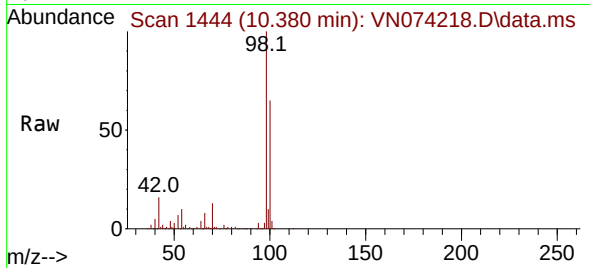




#50
Toluene-d8
Concen: 47.759 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

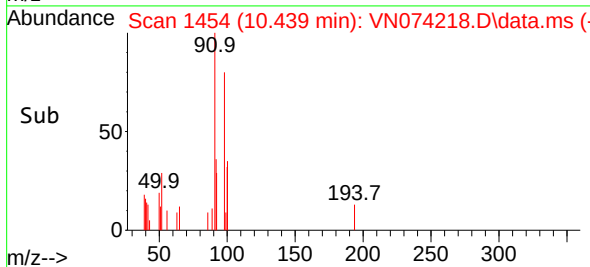
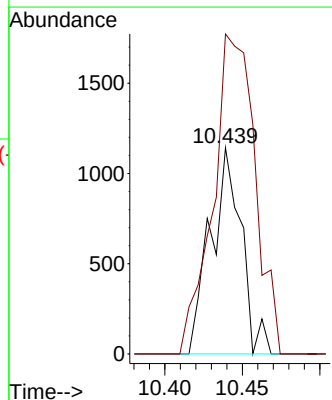
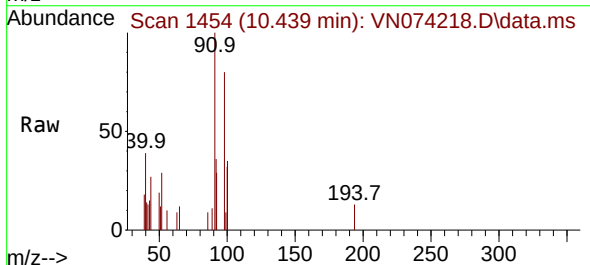
Instrument :
MSVOA_N
ClientSampleId :

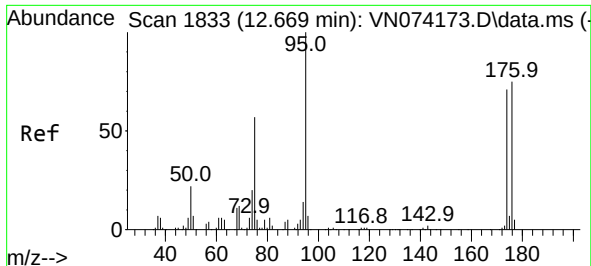
Tgt Ion: 98 Resp: 412674
Ion Ratio Lower Upper
98 100
100 63.2 52.6 78.8



#52
Toluene
Concen: 0.239 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. -0.006 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Tgt Ion: 92 Resp: 1574
Ion Ratio Lower Upper
92 100
91 212.7 138.6 207.8#

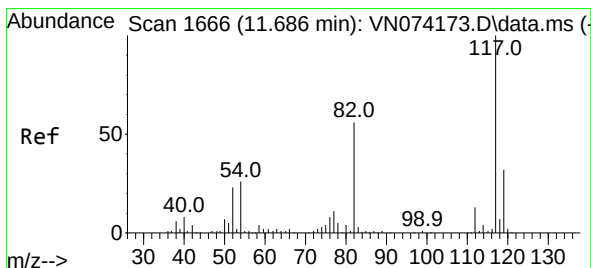
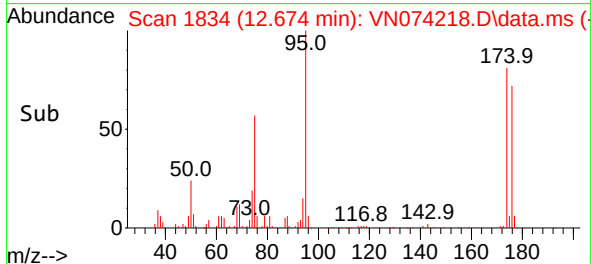
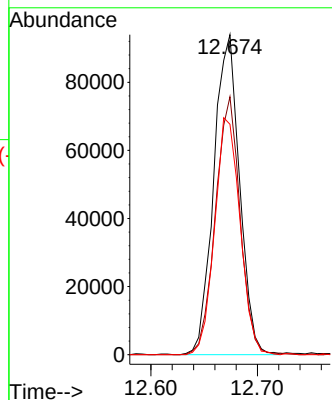
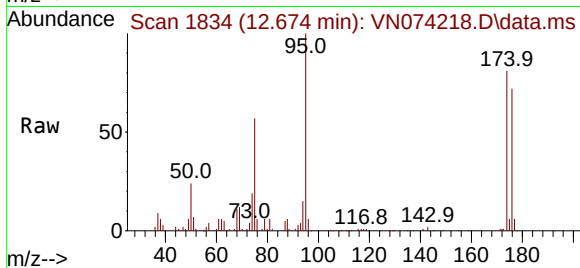




#62
4-Bromofluorobenzene
Concen: 60.124 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.006 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

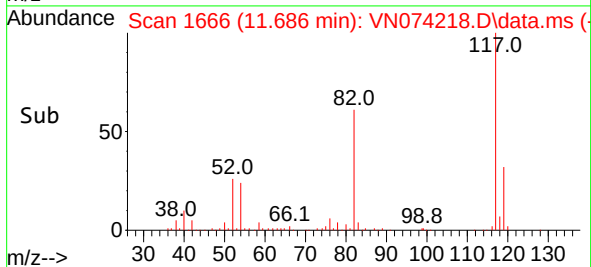
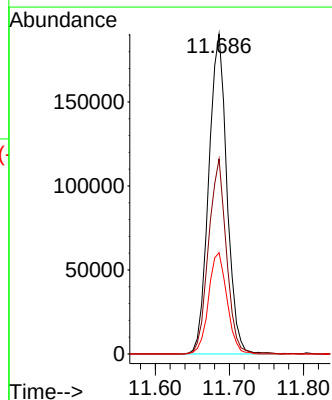
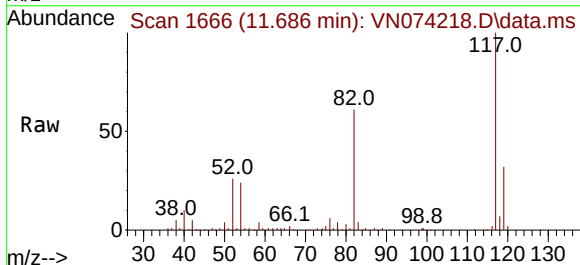
Instrument :
MSVOA_N
ClientSampleId :

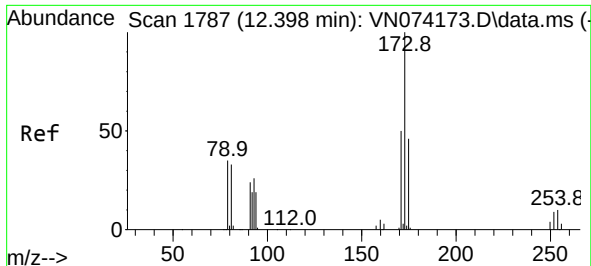
Tgt Ion: 95 Resp: 157988
Ion Ratio Lower Upper
95 100
174 77.2 0.0 167.6
176 73.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Tgt Ion: 117 Resp: 324317
Ion Ratio Lower Upper
117 100
82 60.9 44.2 66.2
119 31.7 25.4 38.0

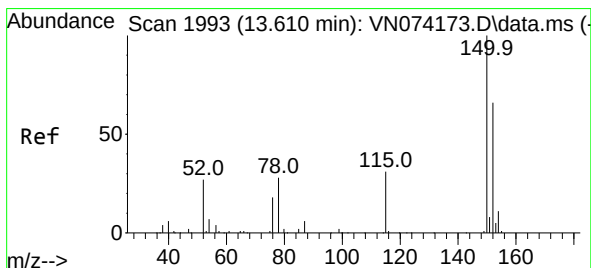
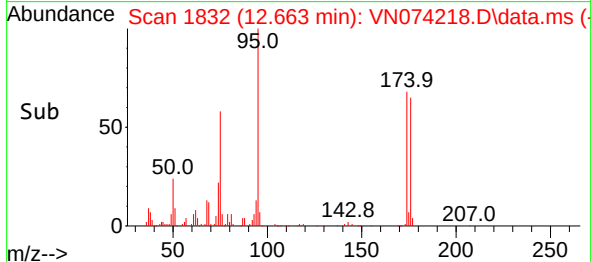
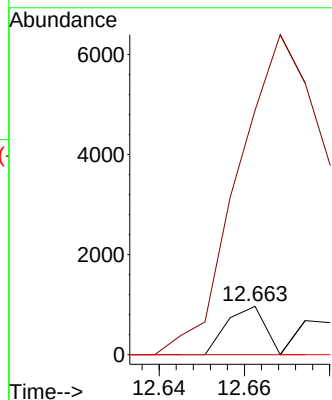
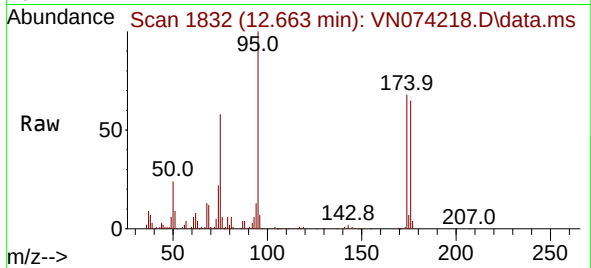




#71
Bromoform
Concen: 0.274 ug/l
RT: 12.663 min Scan# 11
Delta R.T. 0.265 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

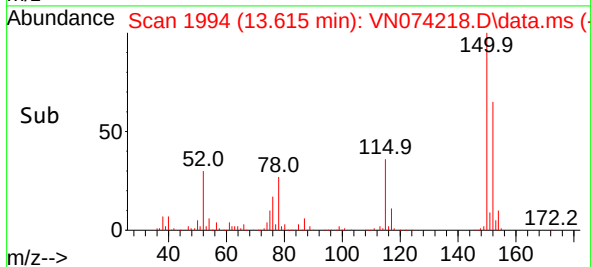
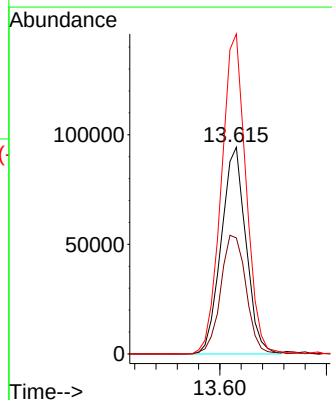
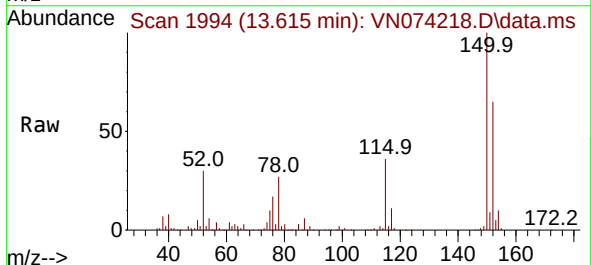
Instrument :
MSVOA_N
ClientSampleId :

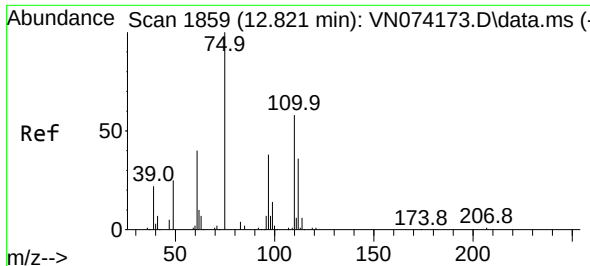
Tgt Ion:173 Resp: 602
Ion Ratio Lower Upper
173 100
175 1223.8 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

Tgt Ion:152 Resp: 151819
Ion Ratio Lower Upper
152 100
115 59.5 28.9 86.7
150 154.9 0.0 356.2

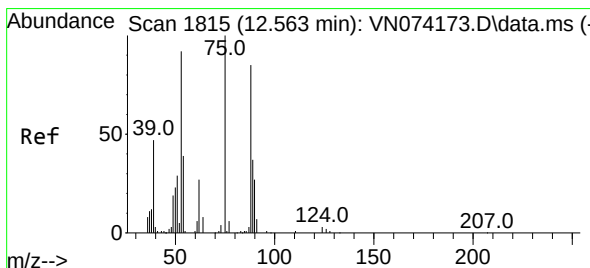
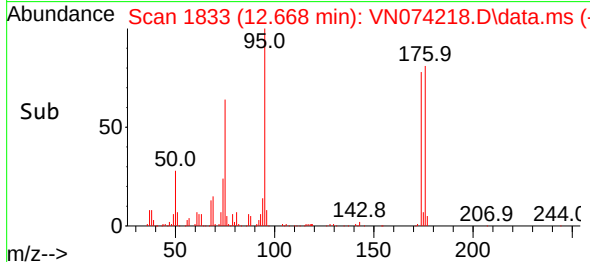
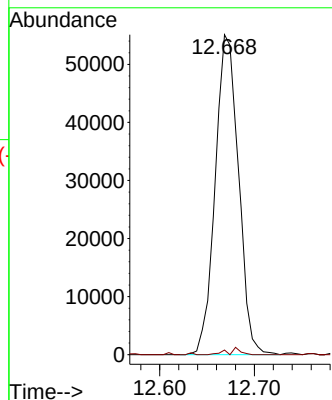
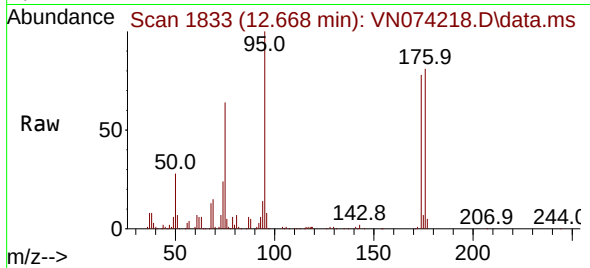




#76
1,2,3-Trichloropropane
Concen: 25.019 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

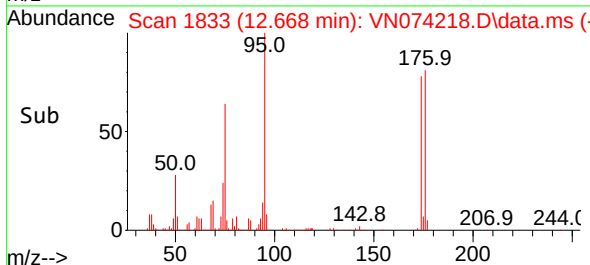
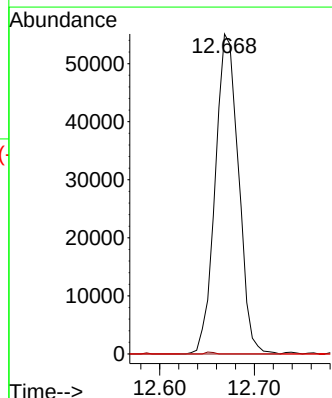
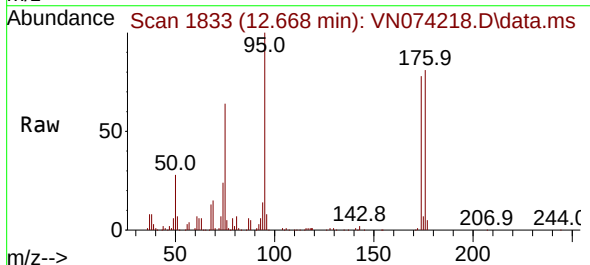
Instrument :
MSVOA_N
ClientSampleId :

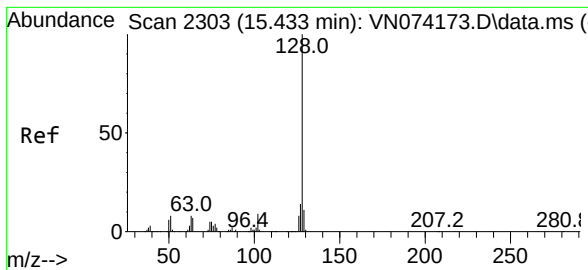
Tgt Ion: 75 Resp: 94385
Ion Ratio Lower Upper
75 100
77 1.2 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.530 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.106 min
Lab File: VN074218.D
Acq: 31 Aug 2022 16:48

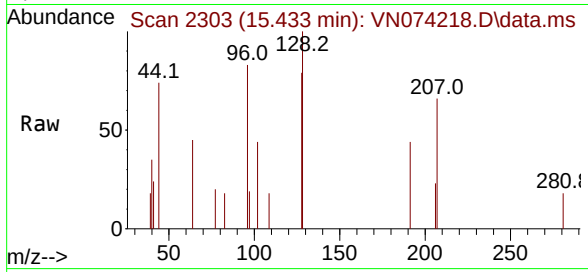
Tgt Ion: 75 Resp: 94385
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 1.436 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN074218.D
 Acq: 31 Aug 2022 16:48

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	3362
Ion	Ratio	Lower	Upper
128	100		
127	2.6	10.3	15.5#
129	3.9	8.6	13.0#

