

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN083122\
 Data File : VN074215.D
 Acq On : 31 Aug 2022 15:34
 Operator : JC\MD
 Sample : N4379-21
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 01 00:26:06 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)

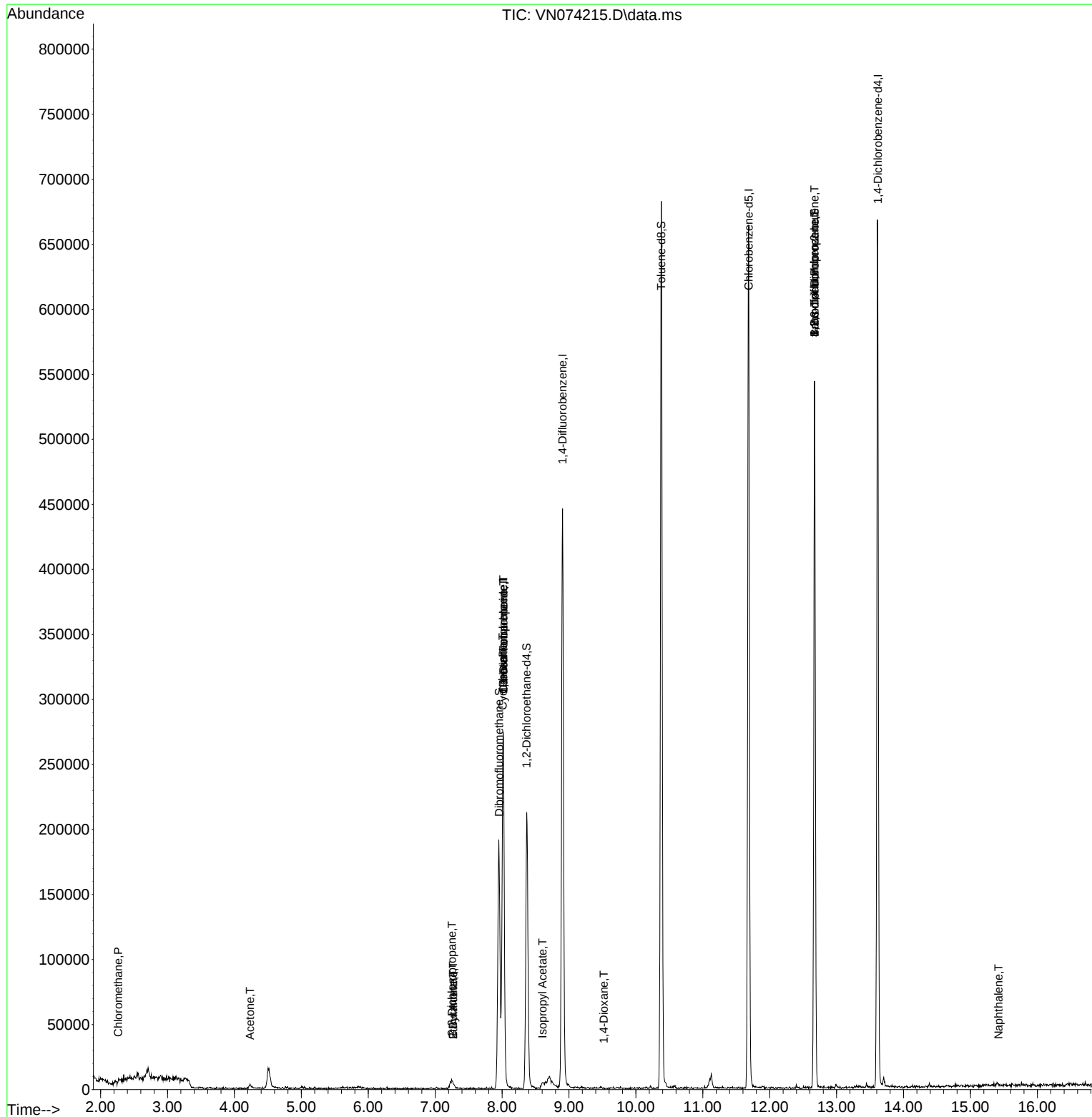
Internal Standards						
1) Pentafluorobenzene	8.016	168	200873	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	360600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	353920	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	155787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	163280	52.400	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.800%	
35) Dibromofluoromethane	7.957	113	131991	56.250	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 112.500%	
50) Toluene-d8	10.380	98	439173	47.525	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.060%	
62) 4-Bromofluorobenzene	12.669	95	168195	59.852	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 119.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	921	0.315	ug/l #	43
6) Chloroethane	2.951	64	902	Below Cal	#	42
11) Tert butyl alcohol	5.269	59	141	Below Cal	#	72
16) Acetone	4.234	43	5692	2.734	ug/l #	61
18) Methyl Acetate	4.763	43	904	Below Cal	#	85
20) Methylene Chloride	5.004	84	275	Below Cal	#	62
25) 2-Butanone	7.269	43	4904	1.472	ug/l #	62
26) 2,2-Dichloropropane	7.251	77	367	0.375	ug/l #	53
31) Cyclohexane	8.010	56	6179	1.200	ug/l #	70
36) 1,1-Dichloropropene	8.022	75	19660	5.164	ug/l #	49
37) Ethyl Acetate	7.269	43	4904	0.770	ug/l #	69
38) Carbon Tetrachloride	8.022	117	21256	6.147	ug/l #	17
43) Isopropyl Acetate	8.604	43	2897	0.338	ug/l #	53
49) 1,4-Dioxane	9.522	88	59	0.673	ug/l #	1
71) Bromoform	12.669	173	1835	0.765	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	99174	25.671	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	99174	66.078	ug/l #	11
95) Naphthalene	15.421	128	684	1.208	ug/l #	69

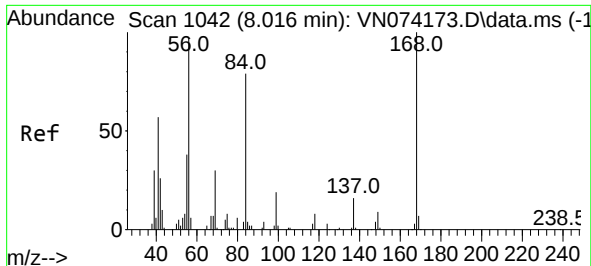
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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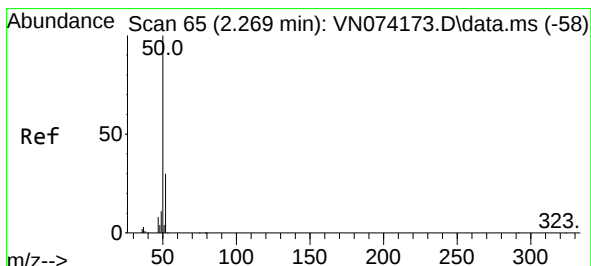
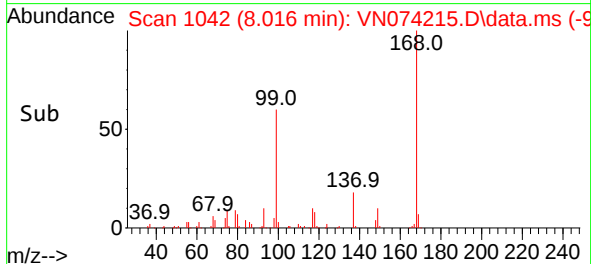
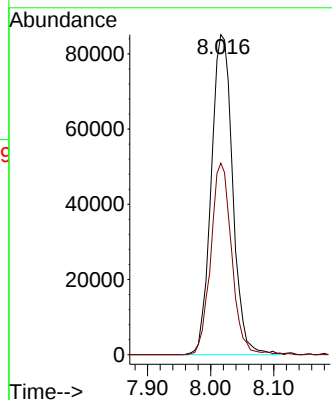
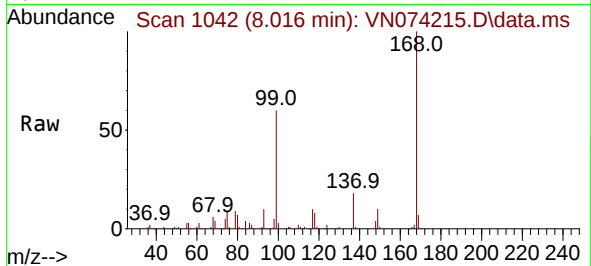




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

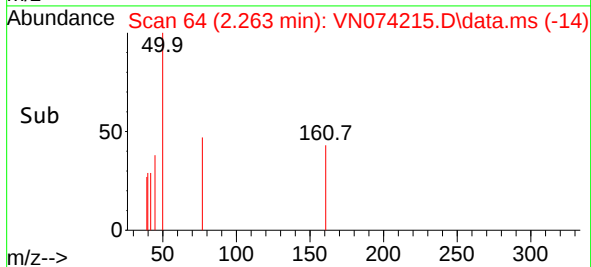
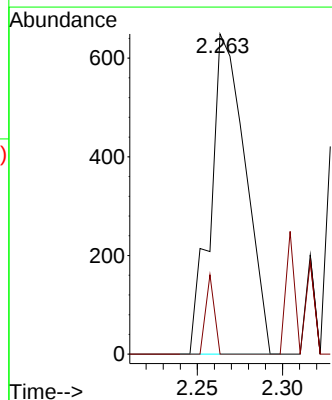
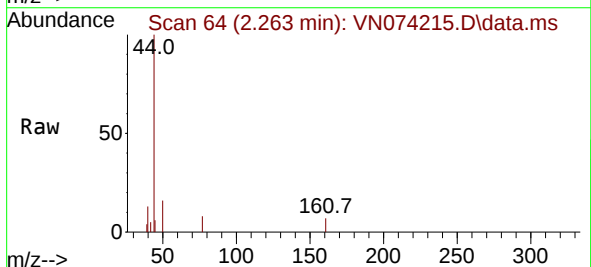
Instrument :
MSVOA_N
ClientSampleId :

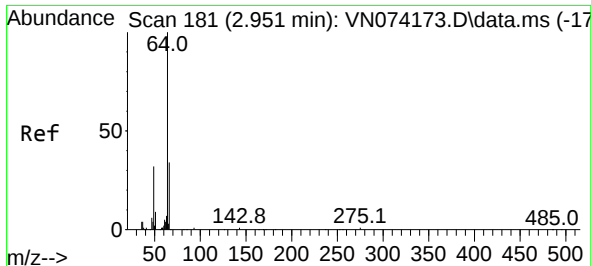
Tgt Ion:168 Resp: 200873
Ion Ratio Lower Upper
168 100
99 59.9 42.3 63.5



#3
Chloromethane
Concen: 0.315 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

Tgt Ion: 50 Resp: 921
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

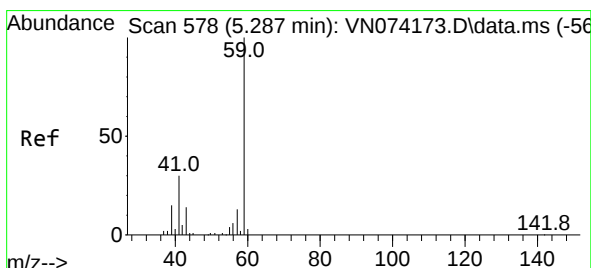
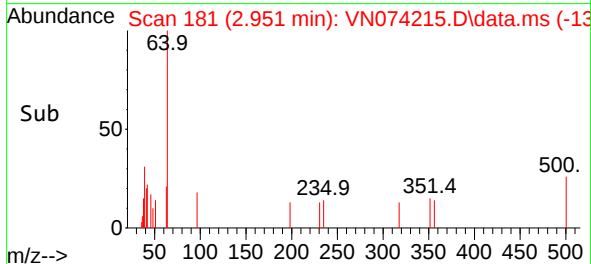
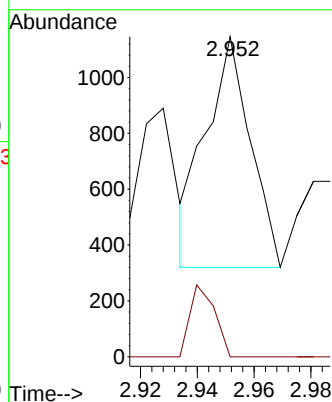
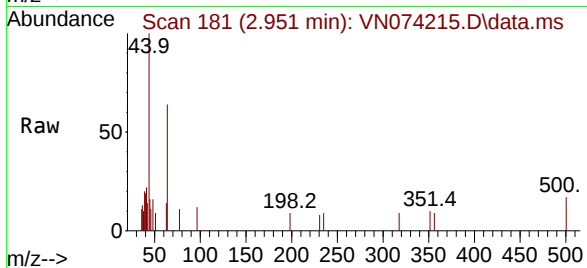




#6
Chloroethane
Concen: Below Cal
RT: 2.951 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

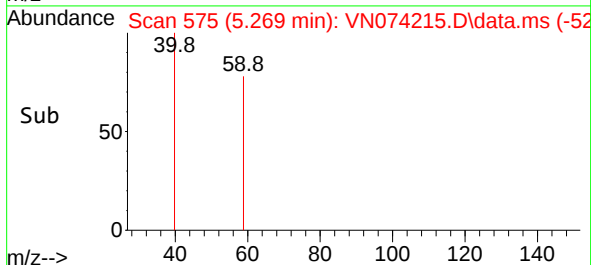
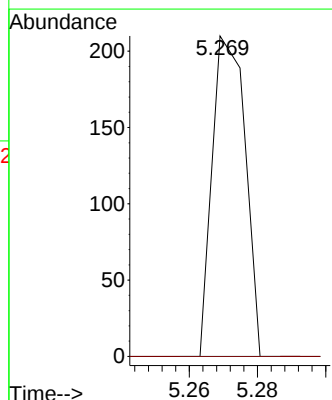
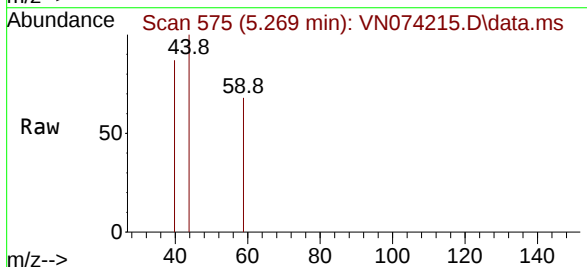
Instrument :
MSVOA_N
ClientSampleId :

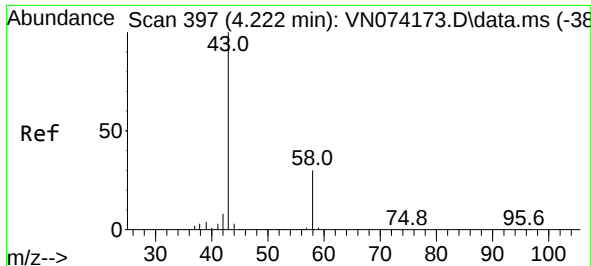
Tgt Ion: 64 Resp: 902
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.269 min Scan# 575
Delta R.T. -0.018 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

Tgt Ion: 59 Resp: 141
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

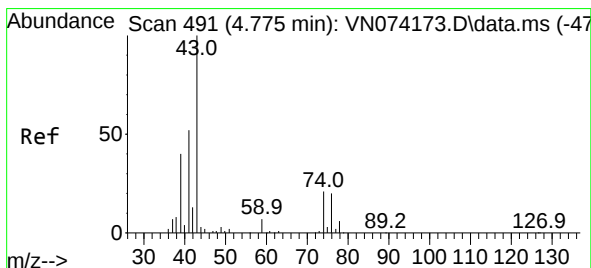
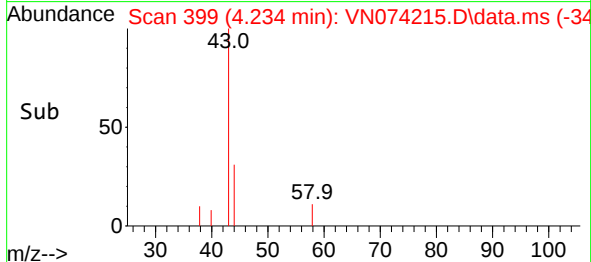
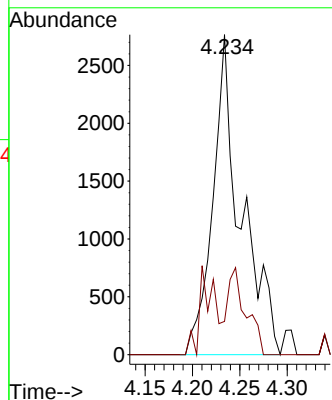
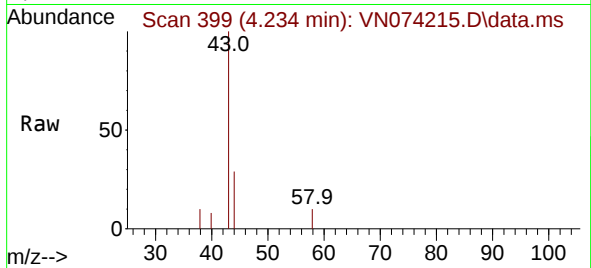




#16
Acetone
Concen: 2.734 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

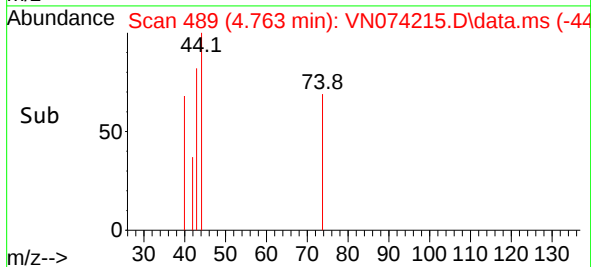
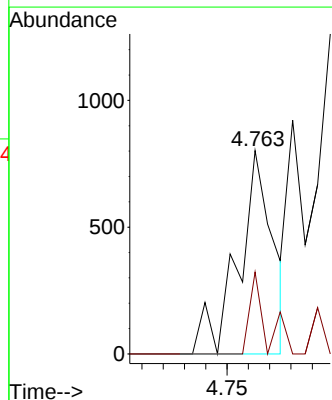
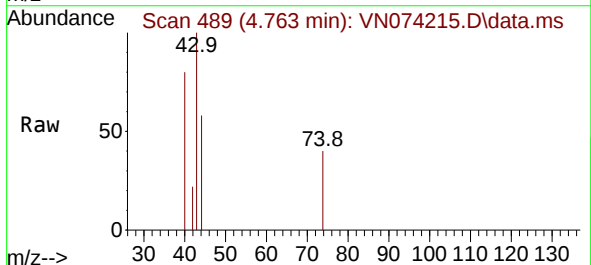
Instrument :
MSVOA_N
ClientSampleId :

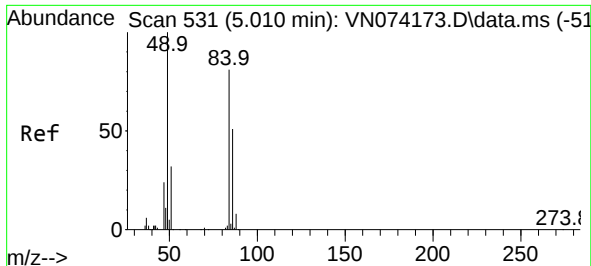
Tgt Ion: 43 Resp: 5692
Ion Ratio Lower Upper
43 100
58 10.4 26.0 39.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.763 min Scan# 489
Delta R.T. -0.012 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

Tgt Ion: 43 Resp: 904
Ion Ratio Lower Upper
43 100
74 19.1 21.6 32.4#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.004 min Scan# 51

Delta R.T. -0.006 min

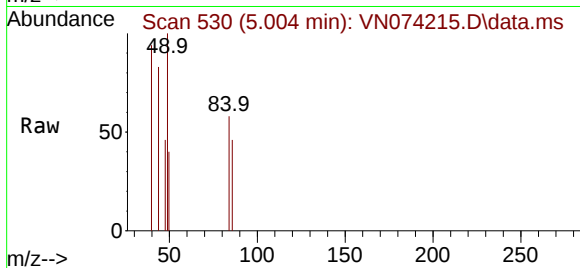
Lab File: VN074215.D

Acq: 31 Aug 2022 15:34

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 84 Resp: 275

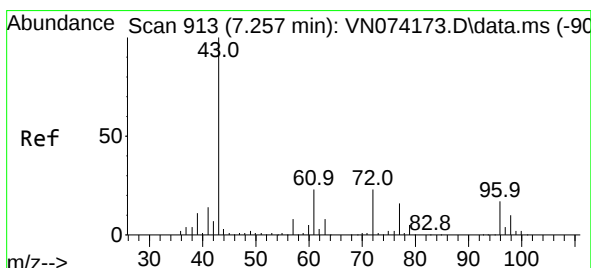
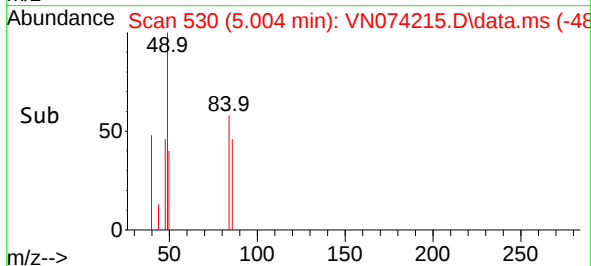
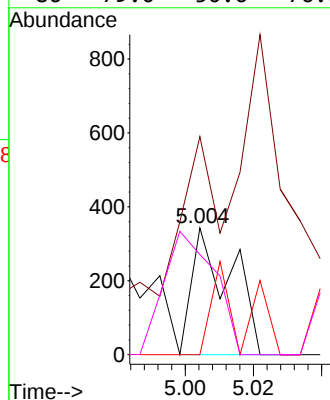
Ion Ratio Lower Upper

84 100

49 67.1 88.3 132.5#

51 0.0 28.2 42.2#

86 79.0 50.6 76.0#



#25

2-Butanone

Concen: 1.472 ug/l

RT: 7.269 min Scan# 915

Delta R.T. 0.012 min

Lab File: VN074215.D

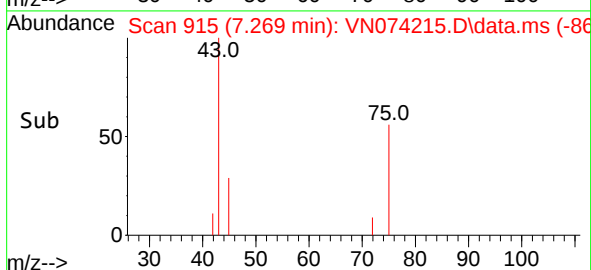
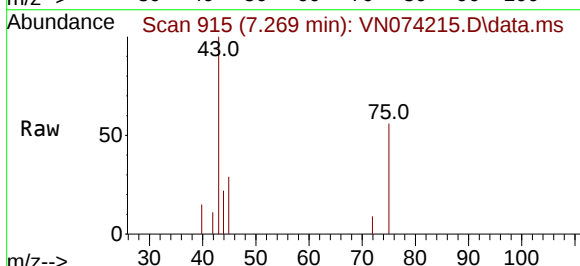
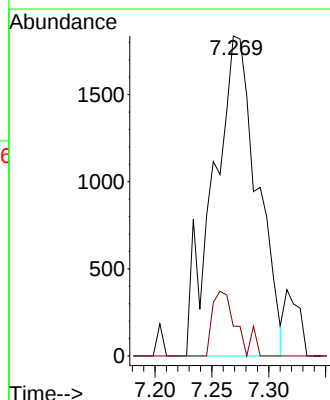
Acq: 31 Aug 2022 15:34

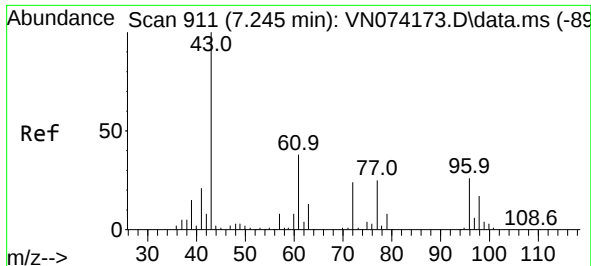
Tgt Ion: 43 Resp: 4904

Ion Ratio Lower Upper

43 100

72 9.3 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.375 ug/l

RT: 7.251 min Scan# 911

Delta R.T. 0.006 min

Lab File: VN074215.D

Acq: 31 Aug 2022 15:34

Instrument :

MSVOA_N

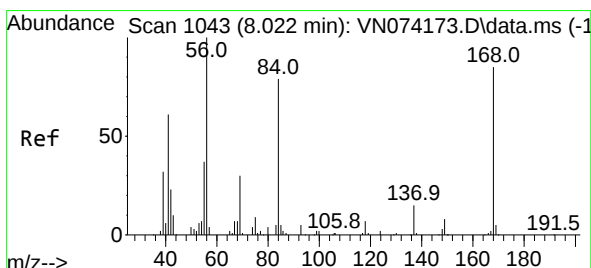
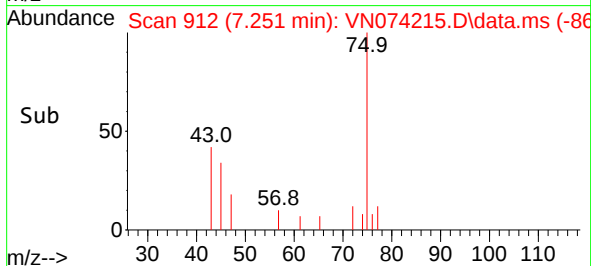
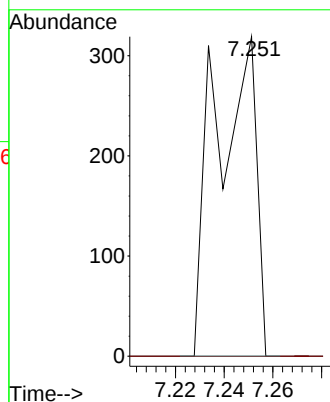
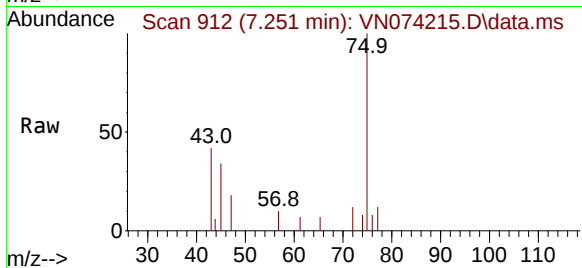
ClientSampleId :

Tgt Ion: 77 Resp: 367

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#31

Cyclohexane

Concen: 1.200 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074215.D

Acq: 31 Aug 2022 15:34

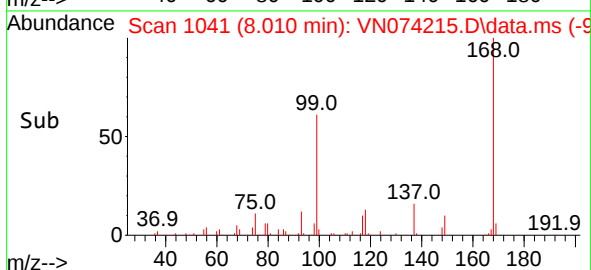
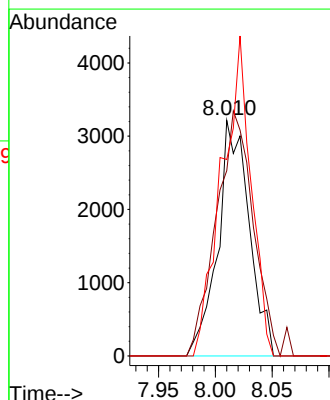
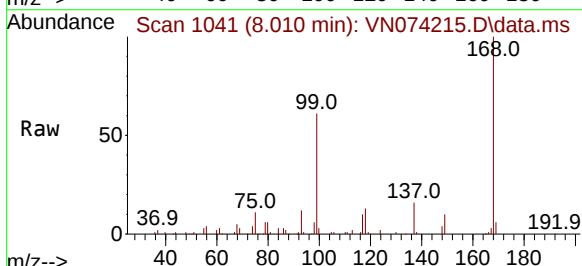
Tgt Ion: 56 Resp: 6179

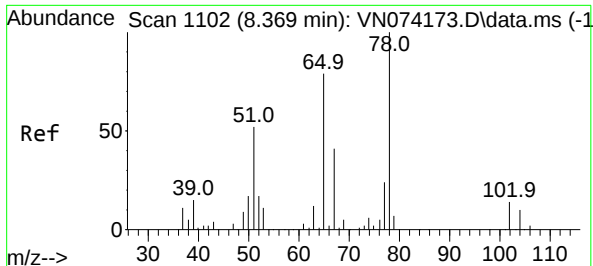
Ion Ratio Lower Upper

56 100

69 78.7 27.8 41.8#

84 83.4 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 52.400 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN074215.D

Acq: 31 Aug 2022 15:34

Instrument :

MSVOA_N

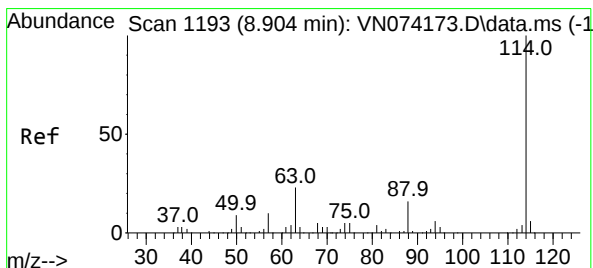
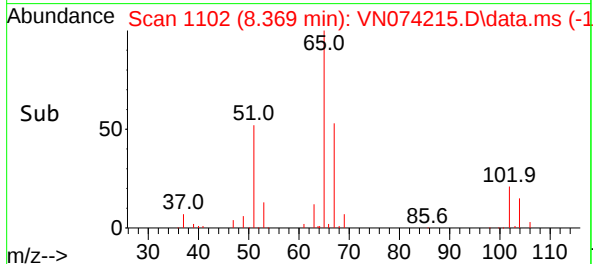
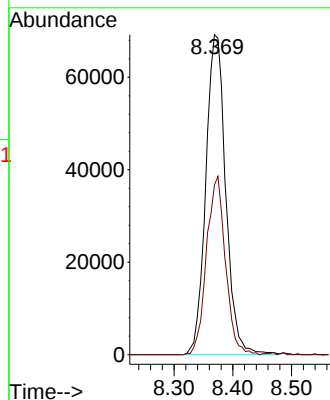
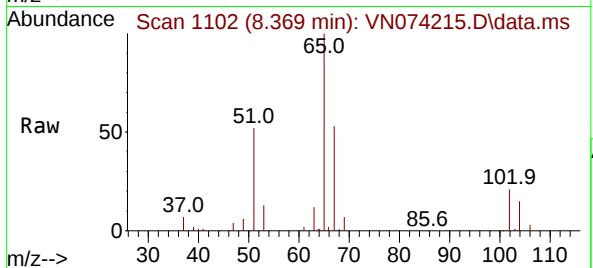
ClientSampleId :

Tgt Ion: 65 Resp: 163280

Ion Ratio Lower Upper

65 100

67 52.9 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: VN074215.D

Acq: 31 Aug 2022 15:34

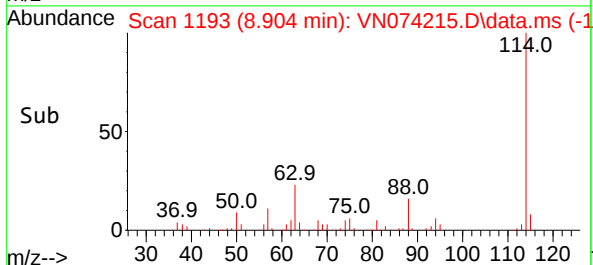
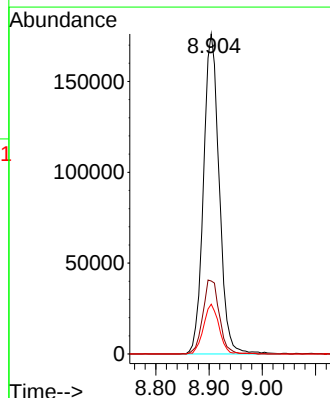
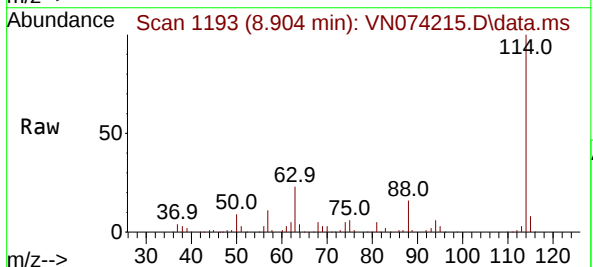
Tgt Ion: 114 Resp: 360600

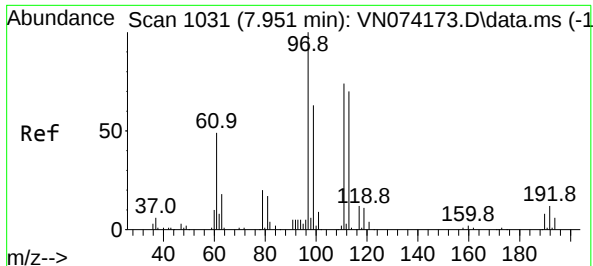
Ion Ratio Lower Upper

114 100

63 22.8 0.0 40.0

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 56.250 ug/l

RT: 7.957 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN074215.D

Acq: 31 Aug 2022 15:34

Instrument :

MSVOA_N

ClientSampleId :

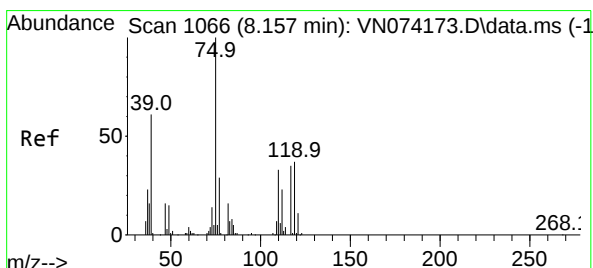
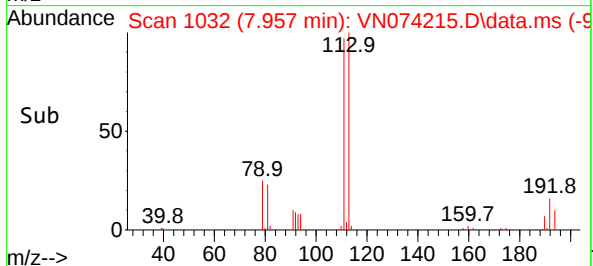
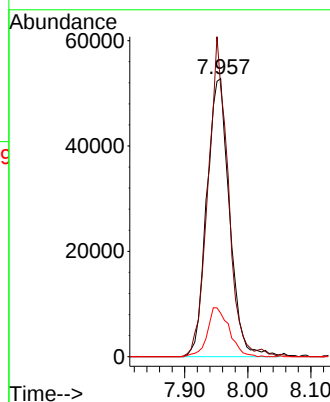
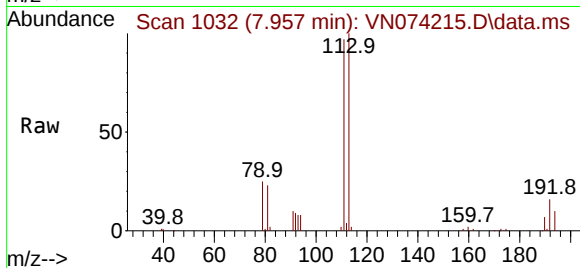
Tgt Ion:113 Resp: 131991

Ion Ratio Lower Upper

113 100

111 101.9 81.4 122.0

192 17.0 17.0 25.6#



#36

1,1-Dichloropropene

Concen: 5.164 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.135 min

Lab File: VN074215.D

Acq: 31 Aug 2022 15:34

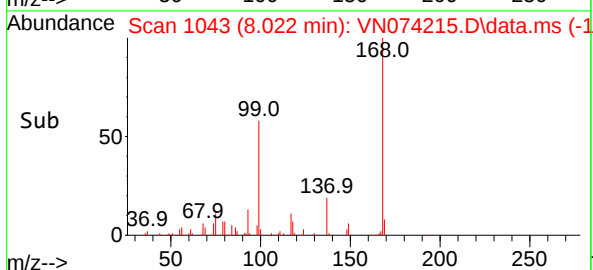
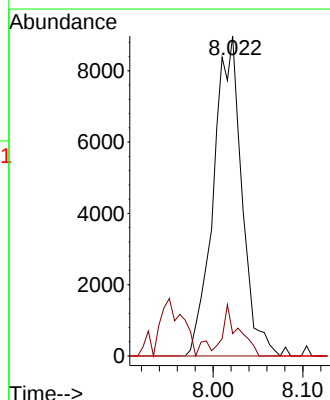
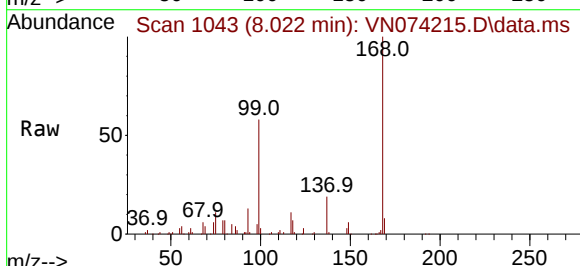
Tgt Ion: 75 Resp: 19660

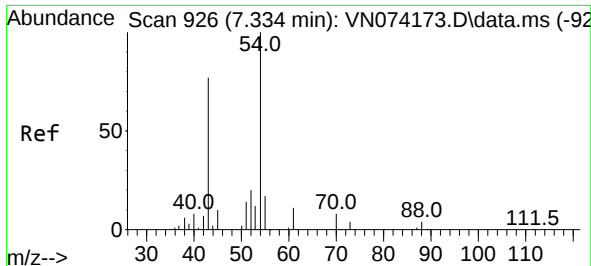
Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 25.1 37.7#

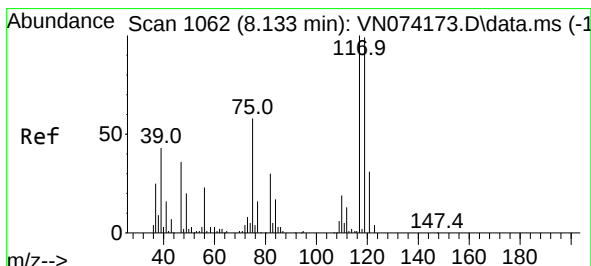
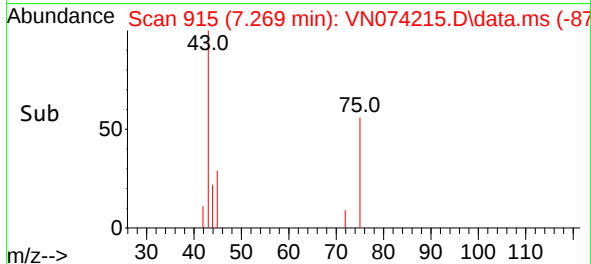
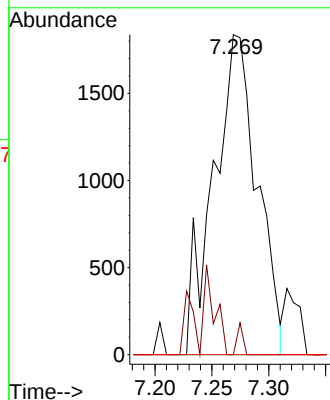
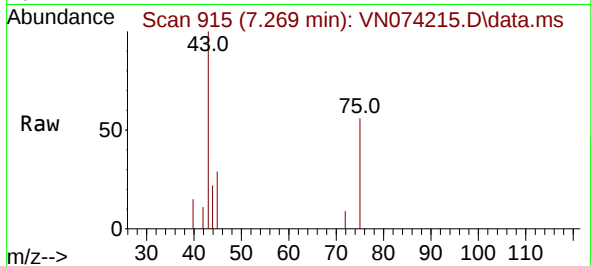




#37
Ethyl Acetate
Concen: 0.770 ug/l
RT: 7.269 min Scan# 91
Delta R.T. -0.065 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

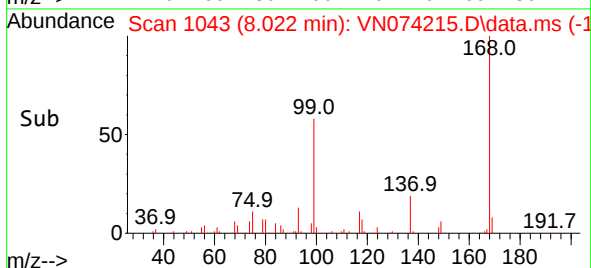
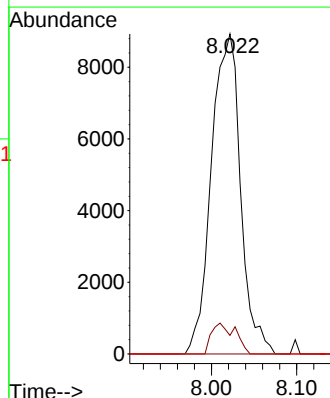
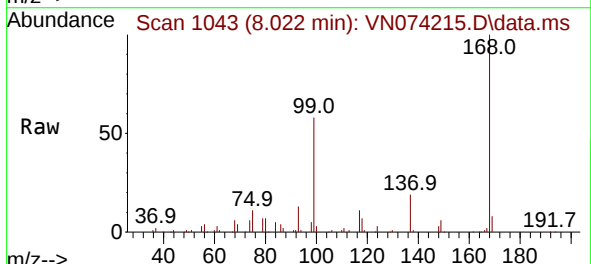
Instrument :
MSVOA_N
ClientSampleId :

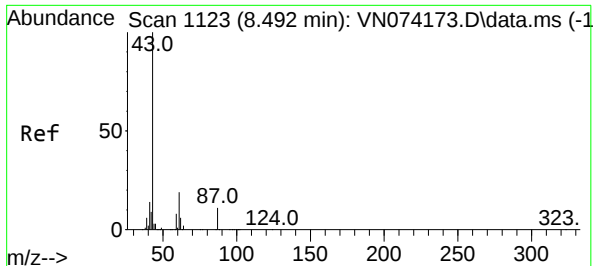
Tgt Ion: 43 Resp: 4904
Ion Ratio Lower Upper
43 100
61 1.3 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.147 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

Tgt Ion: 117 Resp: 21256
Ion Ratio Lower Upper
117 100
119 5.8 75.8 113.8#
121 0.0 24.6 37.0#





#43

Isopropyl Acetate

Concen: 0.338 ug/l

RT: 8.604 min Scan# 1142

Delta R.T. 0.112 min

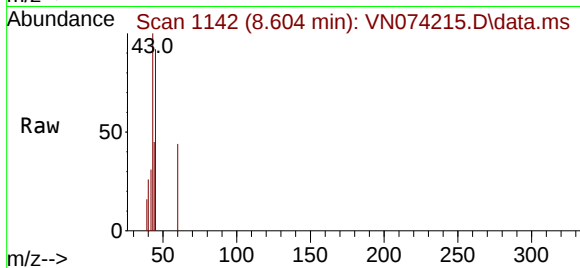
Lab File: VN074215.D

Acq: 31 Aug 2022 15:34

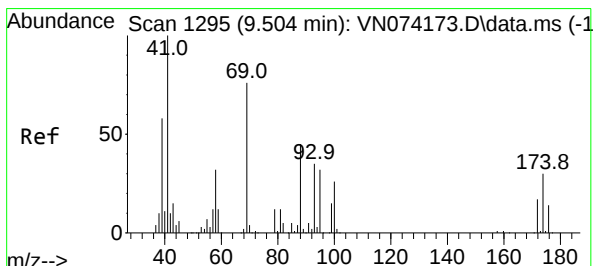
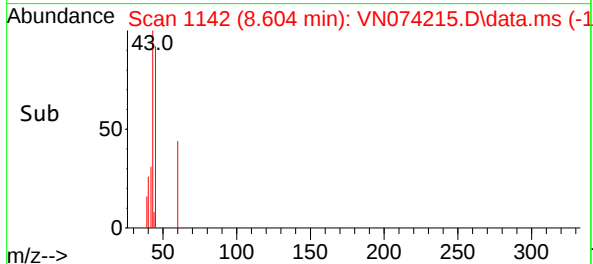
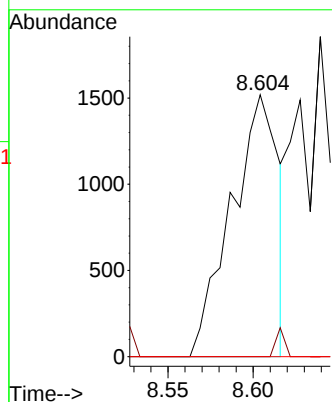
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2897
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#



#49

1,4-Dioxane

Concen: 0.673 ug/l

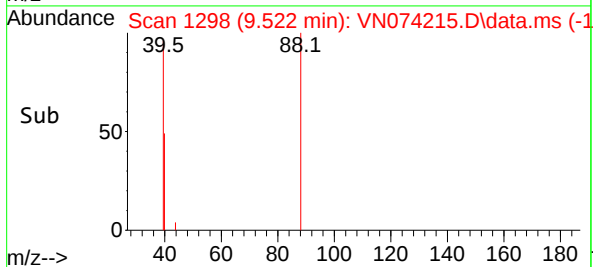
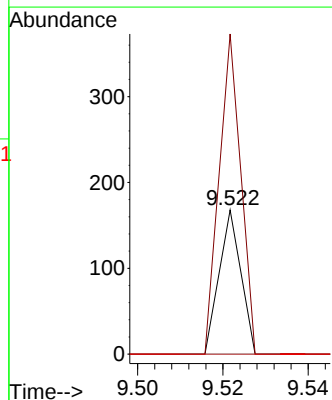
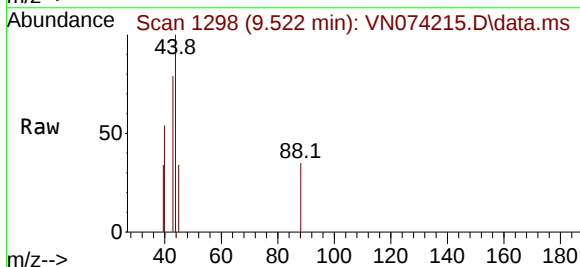
RT: 9.522 min Scan# 1298

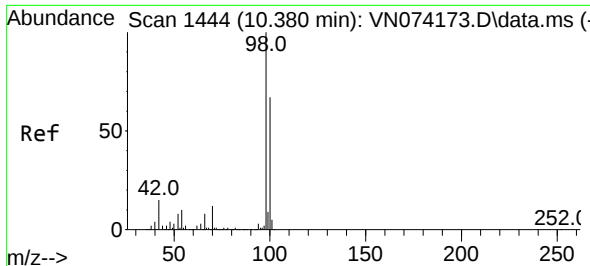
Delta R.T. 0.018 min

Lab File: VN074215.D

Acq: 31 Aug 2022 15:34

Tgt Ion:	88	Resp:	59
Ion	Ratio	Lower	Upper
88	100		
43	223.7	20.2	30.4#
58	0.0	54.2	81.4#

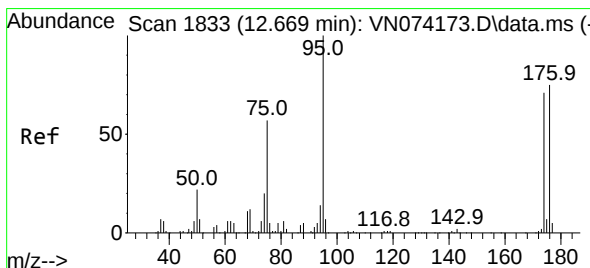
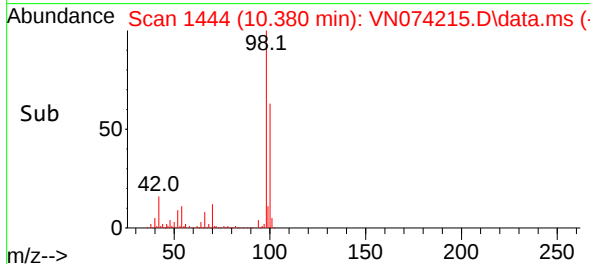
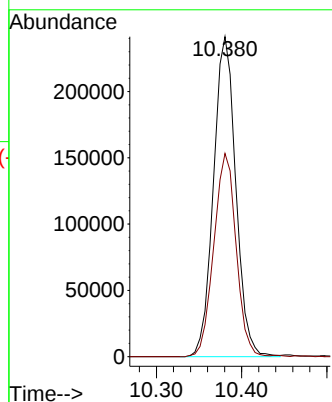
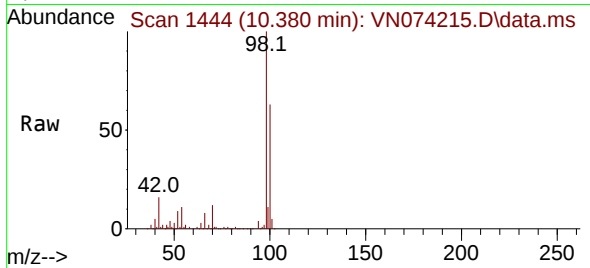




#50
Toluene-d8
Concen: 47.525 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

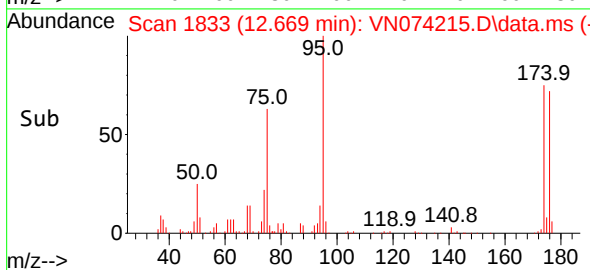
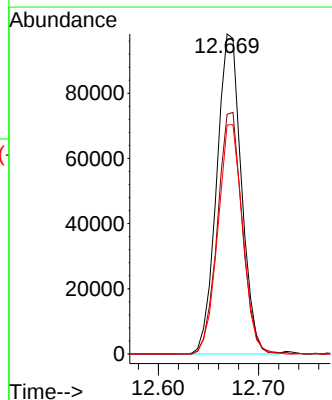
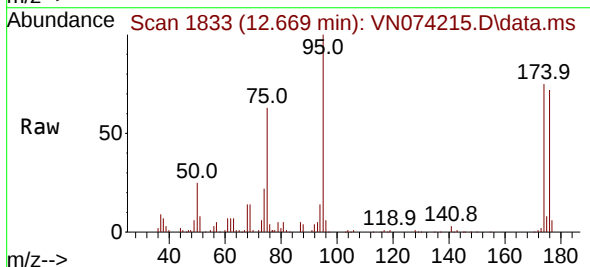
Instrument :
MSVOA_N
ClientSampleId :

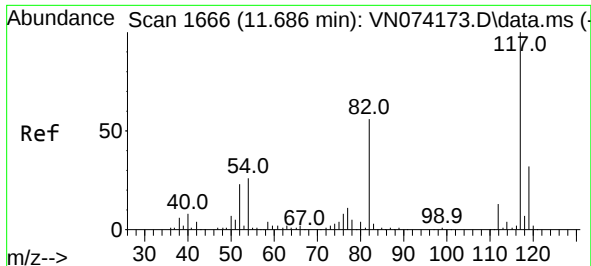
Tgt Ion: 98 Resp: 439173
Ion Ratio Lower Upper
98 100
100 63.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 59.852 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

Tgt Ion: 95 Resp: 168195
Ion Ratio Lower Upper
95 100
174 75.6 0.0 167.6
176 71.8 0.0 163.4

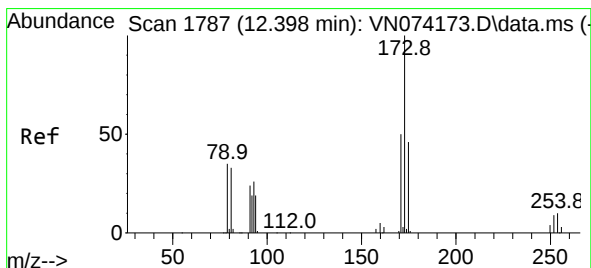
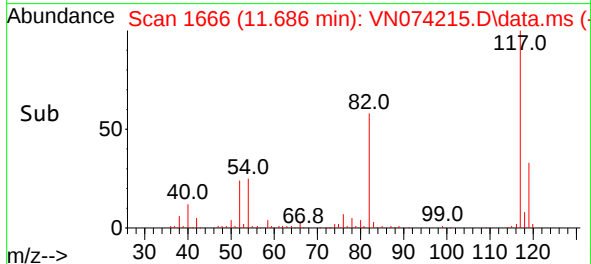
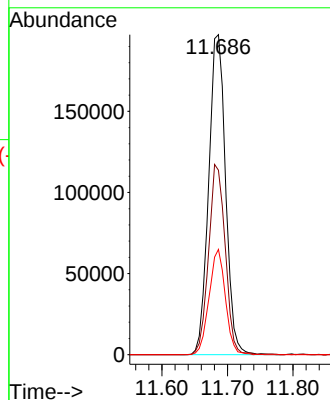
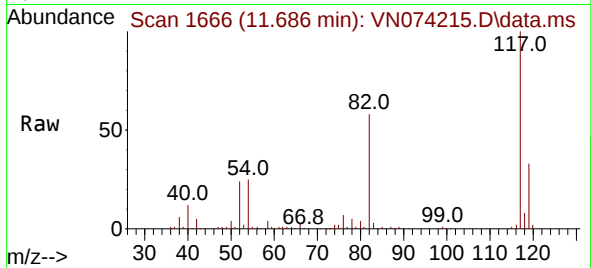




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

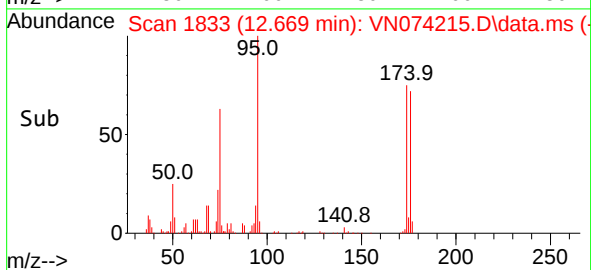
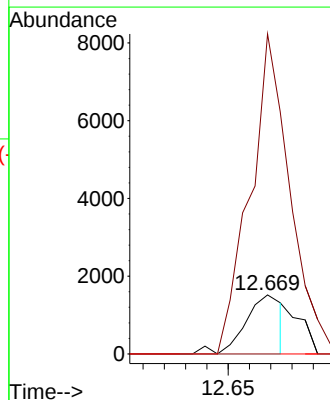
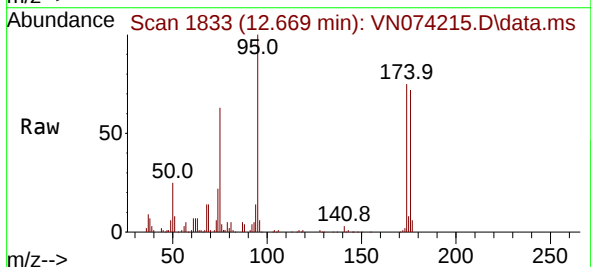
Instrument :
MSVOA_N
ClientSampleId :

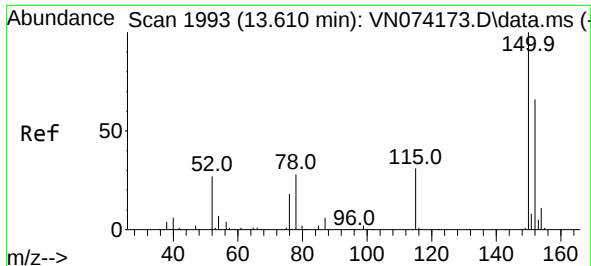
Tgt Ion:117 Resp: 353920
Ion Ratio Lower Upper
117 100
82 57.7 44.2 66.2
119 32.9 25.4 38.0



#71
Bromoform
Concen: 0.765 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

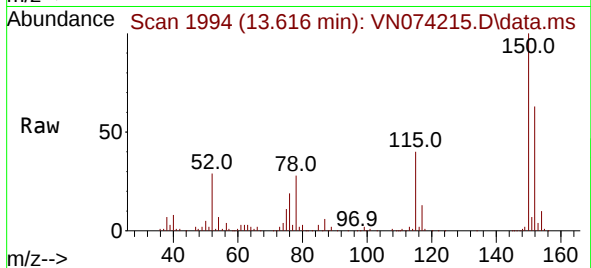
Tgt Ion:173 Resp: 1835
Ion Ratio Lower Upper
173 100
175 458.0 24.6 73.6#
254 0.0 0.1 0.1#



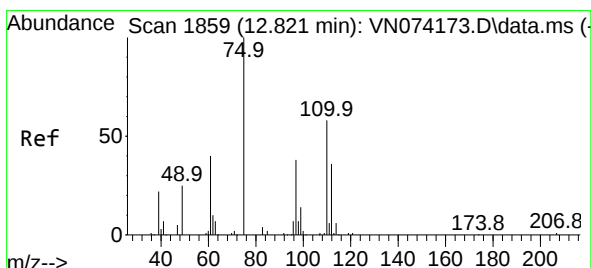
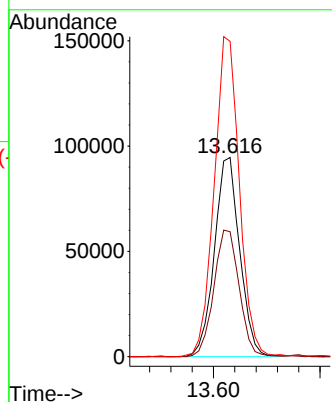
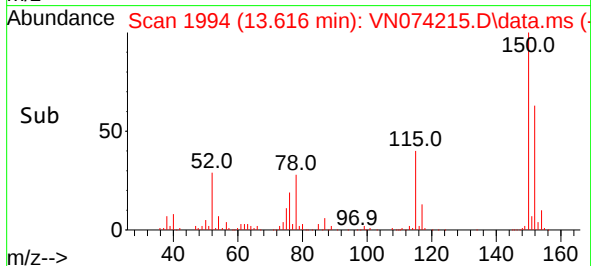


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.006 min
 Lab File: VN074215.D
 Acq: 31 Aug 2022 15:34

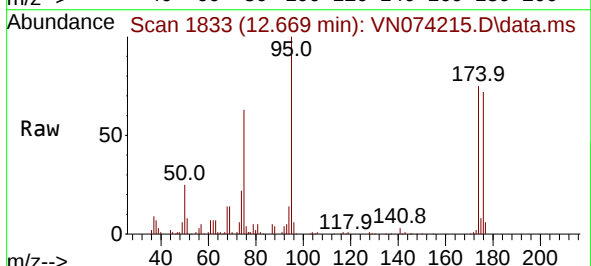
Instrument :
 MSVOA_N
 ClientSampleId :



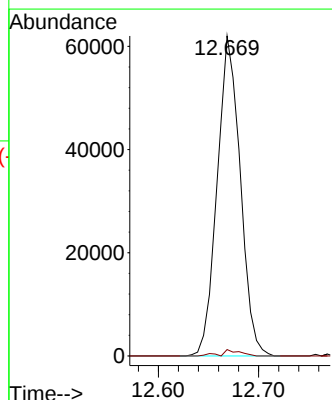
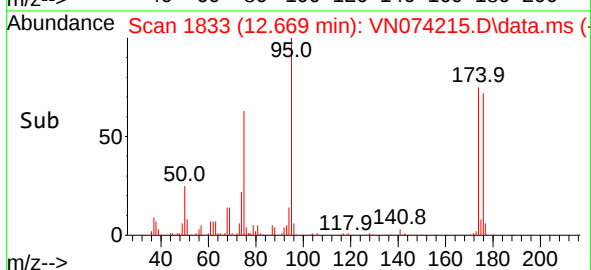
Tgt Ion:152 Resp: 155787
 Ion Ratio Lower Upper
 152 100
 115 63.8 28.9 86.7
 150 160.5 0.0 356.2

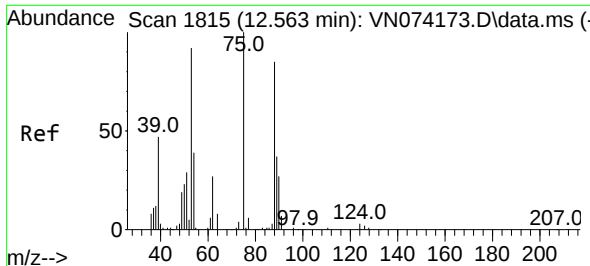


#76
 1,2,3-Trichloropropane
 Concen: 25.671 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.152 min
 Lab File: VN074215.D
 Acq: 31 Aug 2022 15:34



Tgt Ion: 75 Resp: 99174
 Ion Ratio Lower Upper
 75 100
 77 1.6 98.5 295.5#

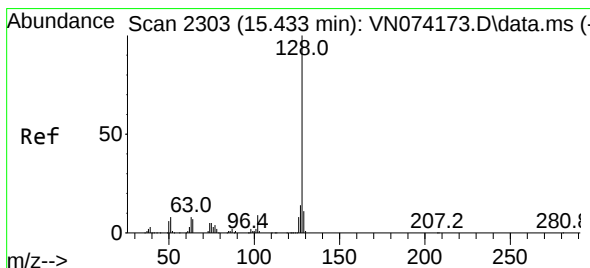
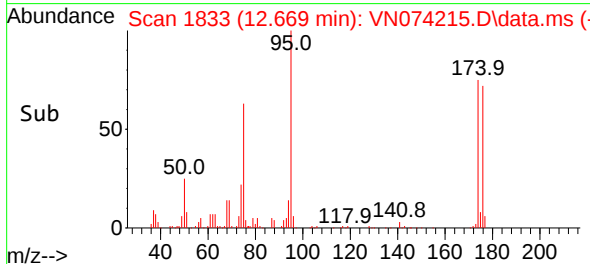
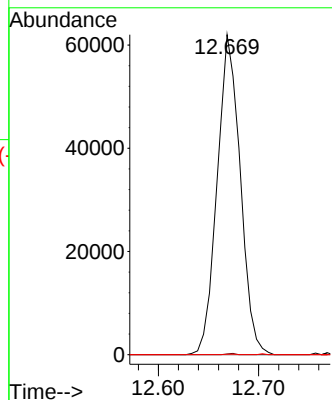
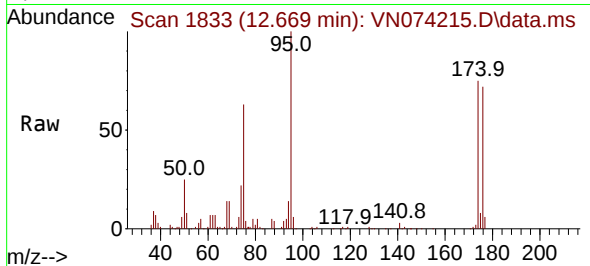




#81
trans-1,4-Dichloro-2-butene
Concen: 66.078 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.106 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 99174
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 1.208 ug/l
RT: 15.421 min Scan# 2301
Delta R.T. -0.012 min
Lab File: VN074215.D
Acq: 31 Aug 2022 15:34

Tgt Ion: 128 Resp: 684
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#

