

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100923\
 Data File : VN079471.D
 Acq On : 09 Oct 2023 14:47
 Operator : JC\MD
 Sample : 04739-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 09 23:15:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100523W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 06 03:34:49 2023
 Response via : Initial Calibration

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

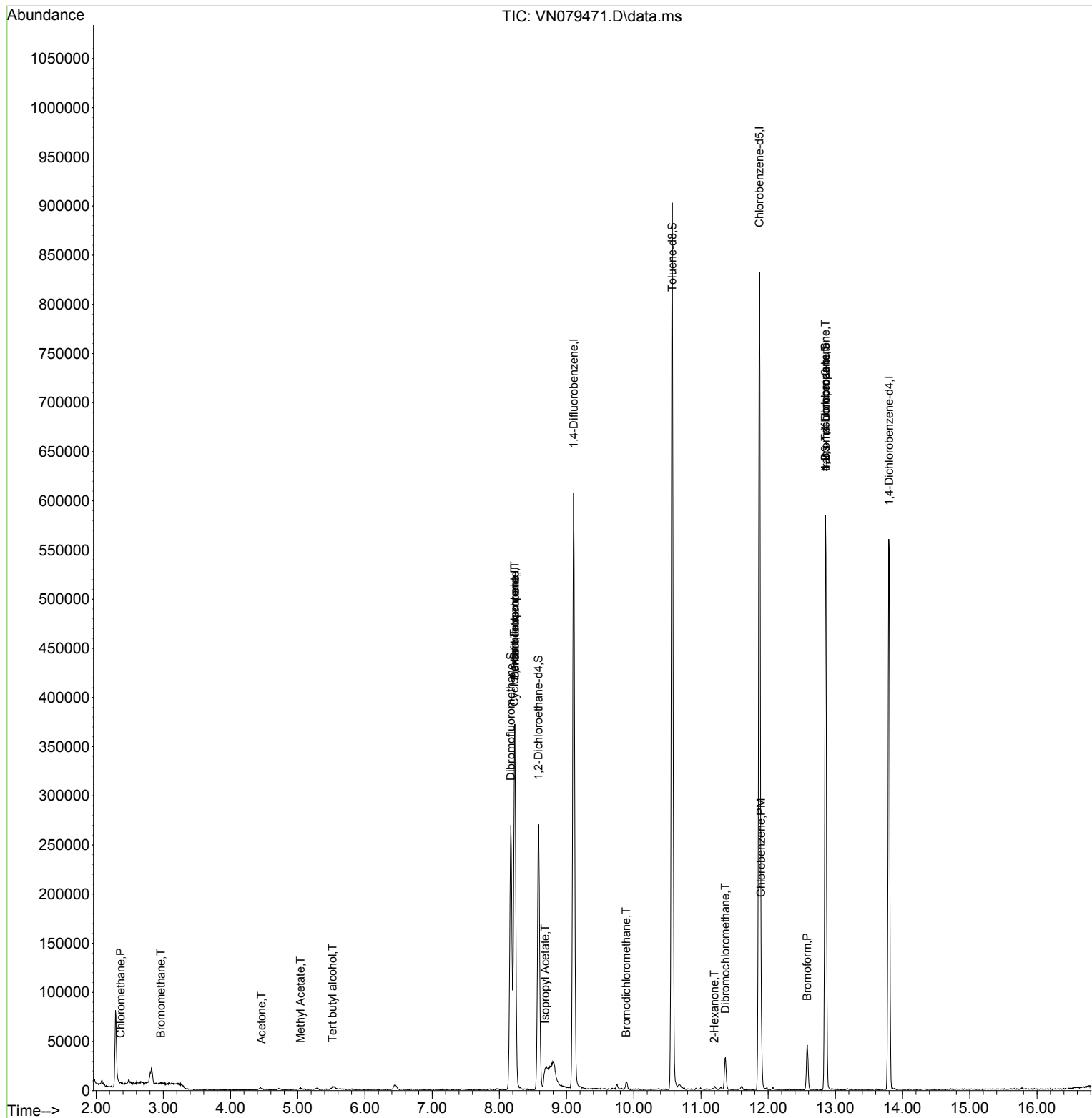
Internal Standards						
1) Pentafluorobenzene	8.230	168	252758	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	505037	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	469091	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	146282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	215370	52.551	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 105.100%	
35) Dibromofluoromethane	8.171	113	187815	51.749	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.500%	
50) Toluene-d8	10.571	98	595203	45.324	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 90.640%	
62) 4-Bromofluorobenzene	12.853	95	195082	46.290	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.580%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1976	0.437	ug/l	90
5) Bromomethane	2.965	94	600	0.213	ug/l	97
11) Tert butyl alcohol	5.518	59	4688	7.600	ug/l #	76
16) Acetone	4.459	43	4045	2.488	ug/l #	64
18) Methyl Acetate	5.042	43	2897	0.364	ug/l #	56
20) Methylene Chloride	5.271	84	927	Below Cal	#	47
31) Cyclohexane	8.224	56	7166	1.233	ug/l #	39
36) 1,1-Dichloropropene	8.230	75	23731	4.357	ug/l #	47
38) Carbon Tetrachloride	8.230	117	28654	5.255	ug/l #	17
43) Isopropyl Acetate	8.683	43	14038	1.478	ug/l #	53
47) Bromodichloromethane	9.888	83	5417	0.954	ug/l #	85
59) 2-Hexanone	11.200	43	976	0.252	ug/l #	19
60) Dibromochloromethane	11.365	129	17256	4.491	ug/l	100
65) Chlorobenzene	11.894	112	19749	1.890	ug/l	93
71) Bromoform	12.582	173	20647	7.375	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	12.941	83	72	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.853	75	107582	25.507	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	107582	74.010	ug/l #	15

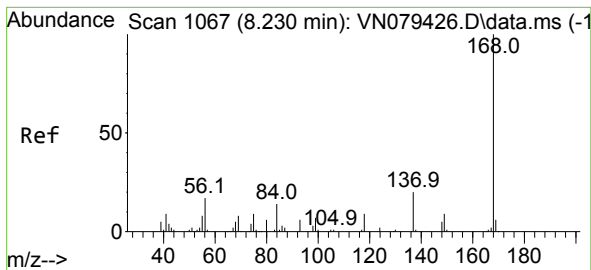
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

Instrument :

MSVOA_N

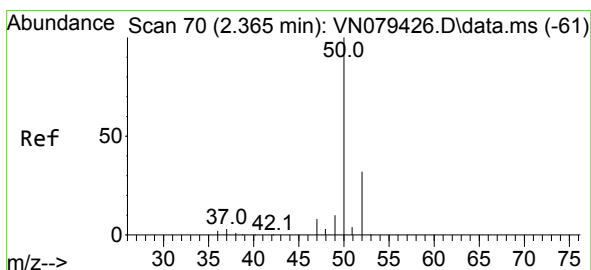
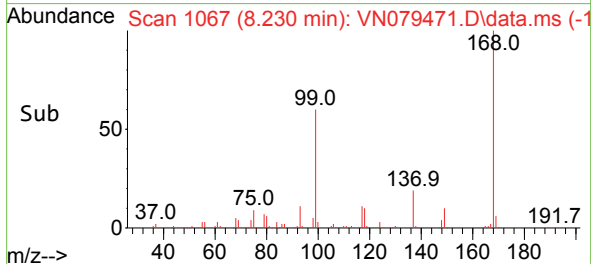
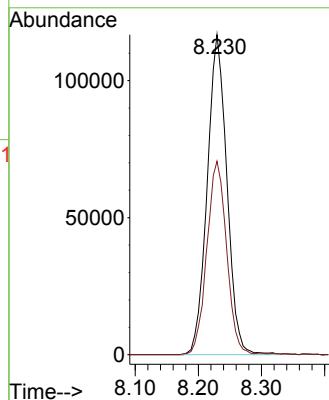
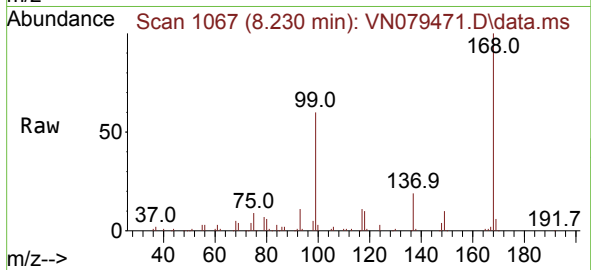
ClientSampleId :

Tgt Ion:168 Resp: 252758

Ion Ratio Lower Upper

168 100

99 60.5 53.0 79.6



#3

Chloromethane

Concen: 0.437 ug/l

RT: 2.365 min Scan# 70

Delta R.T. 0.000 min

Lab File: VN079471.D

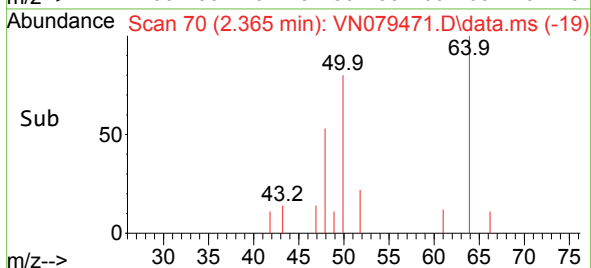
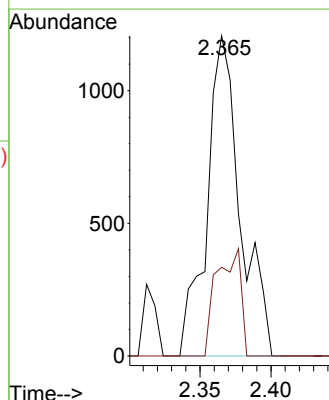
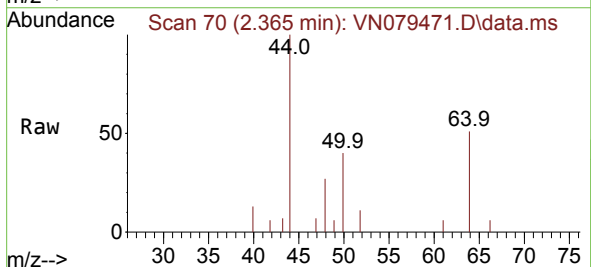
Acq: 09 Oct 2023 14:47

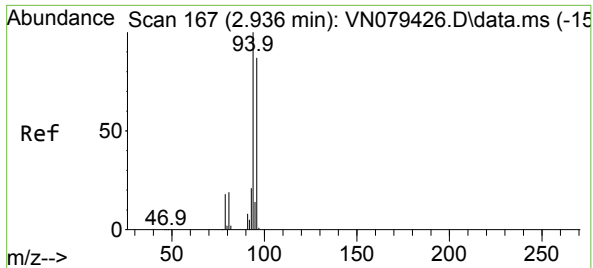
Tgt Ion: 50 Resp: 1976

Ion Ratio Lower Upper

50 100

52 27.7 26.5 39.7

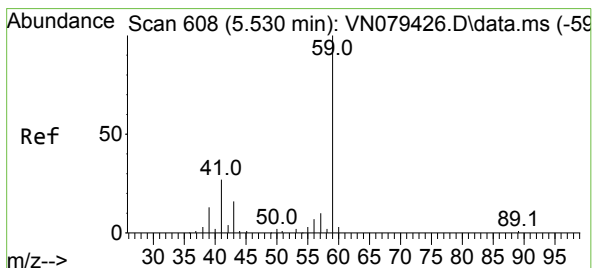
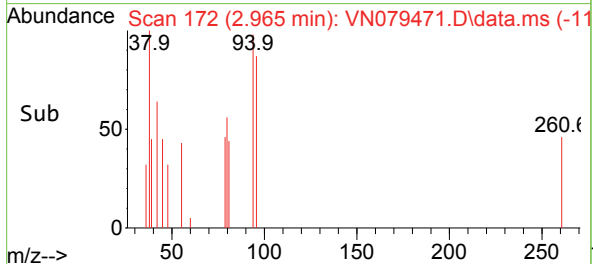
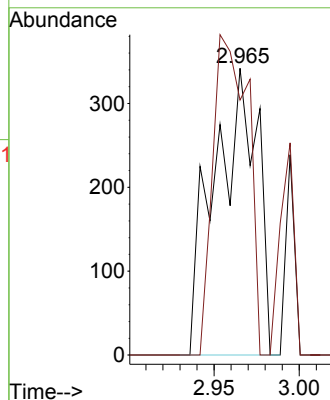
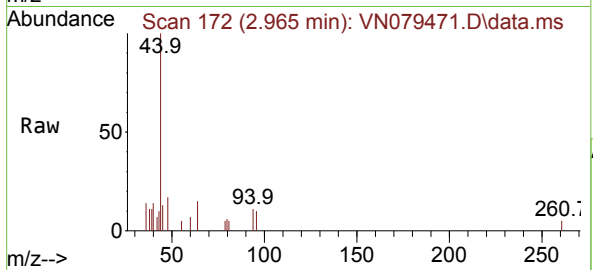




#5
Bromomethane
Concen: 0.213 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

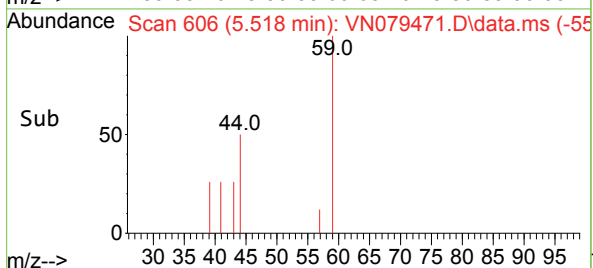
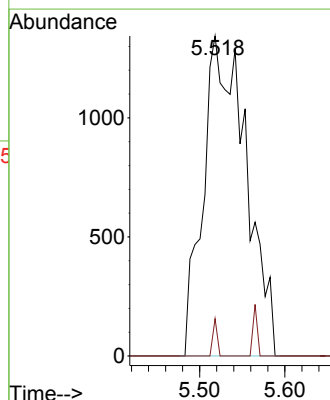
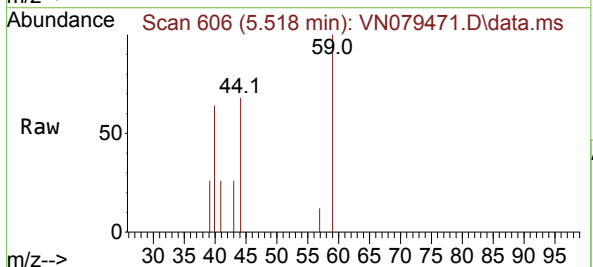
Instrument :
MSVOA_N
ClientSampleId :

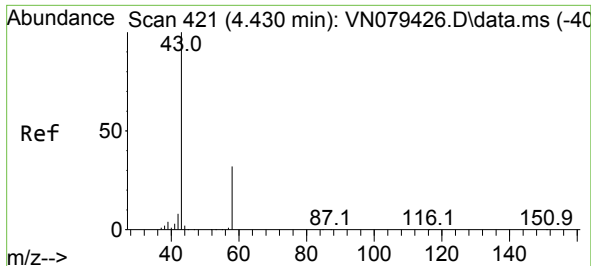
Tgt Ion: 94 Resp: 600
Ion Ratio Lower Upper
94 100
96 88.9 73.1 109.7



#11
Tert butyl alcohol
Concen: 7.600 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.012 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

Tgt Ion: 59 Resp: 4688
Ion Ratio Lower Upper
59 100
57 1.2 8.2 12.4#

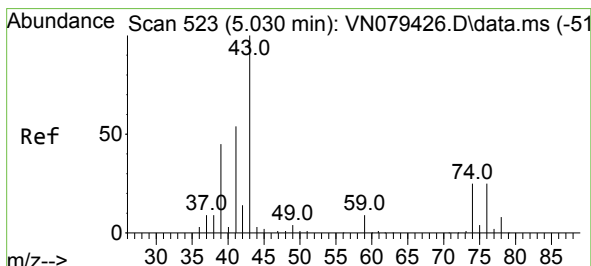
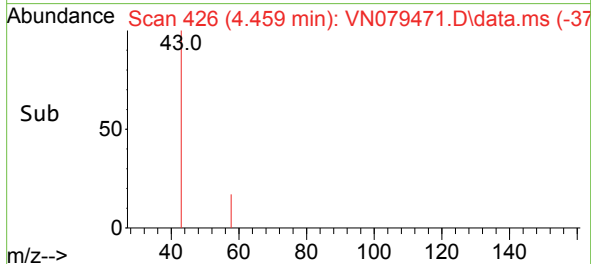
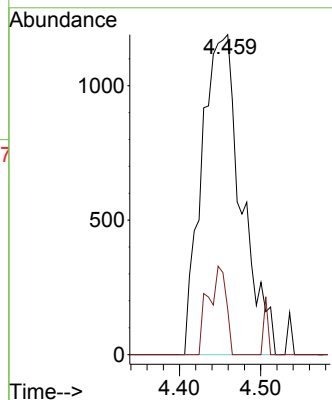
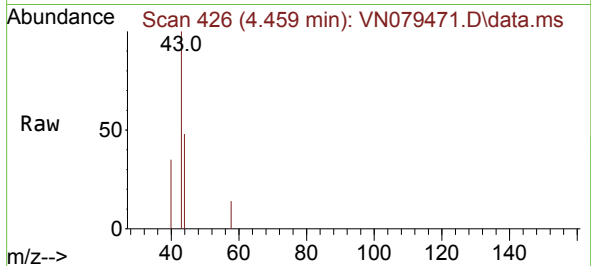




#16
Acetone
Concen: 2.488 ug/l
RT: 4.459 min Scan# 431
Delta R.T. 0.029 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

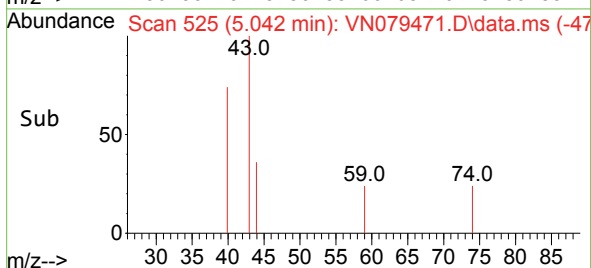
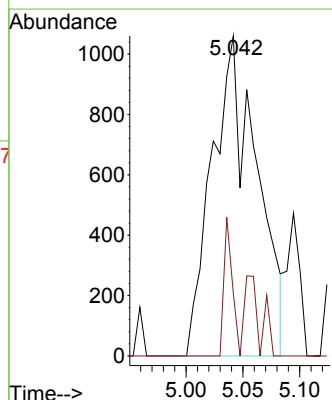
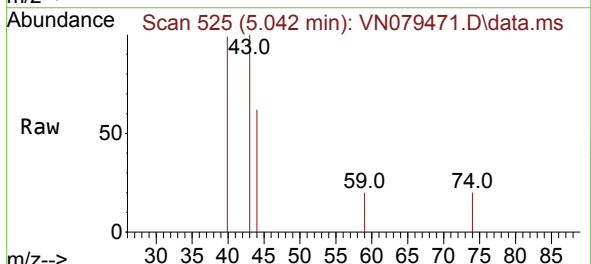
Instrument :
MSVOA_N
ClientSampleId :

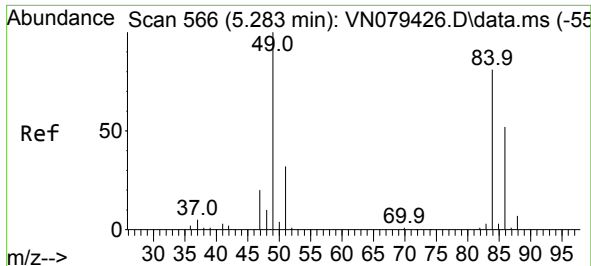
Tgt Ion: 43 Resp: 4045
Ion Ratio Lower Upper
43 100
58 14.2 28.0 42.0#



#18
Methyl Acetate
Concen: 0.364 ug/l
RT: 5.042 min Scan# 525
Delta R.T. 0.012 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

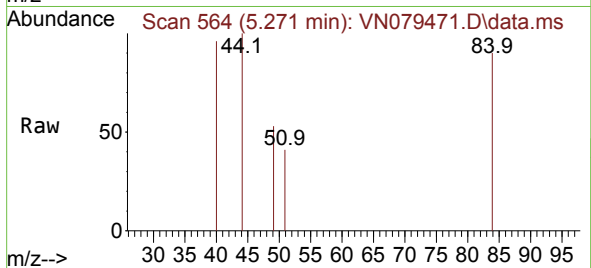
Tgt Ion: 43 Resp: 2897
Ion Ratio Lower Upper
43 100
74 8.1 26.2 39.4#





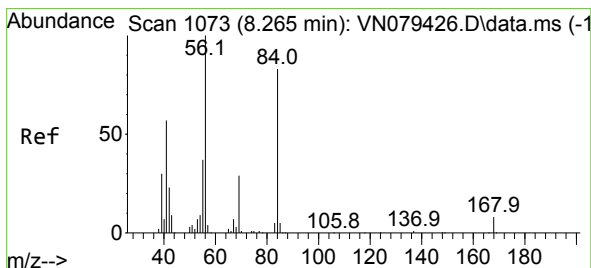
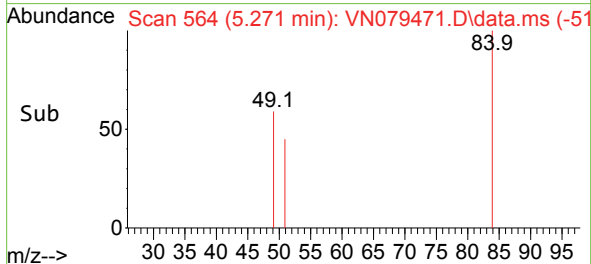
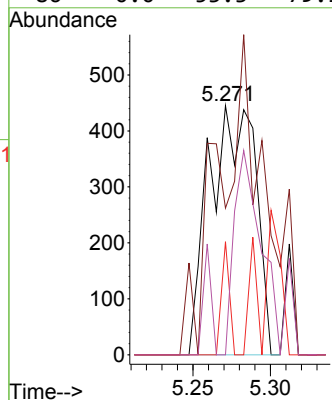
#20
Methylene Chloride
Concen: Below Cal
RT: 5.271 min Scan# 51
Delta R.T. -0.012 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 927

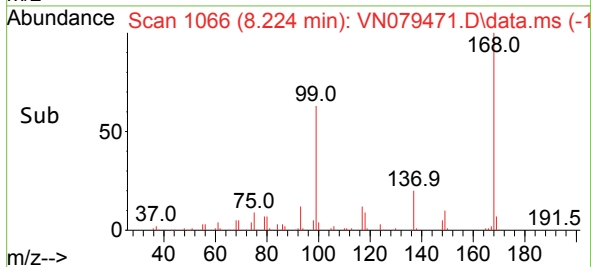
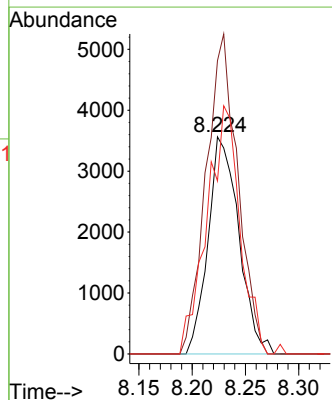
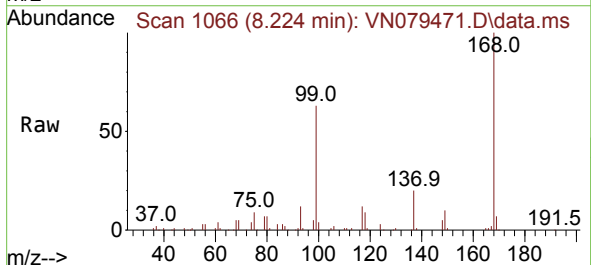
Ion	Ratio	Lower	Upper
84	100		
49	58.9	79.7	119.5#
51	45.4	25.2	37.8#
86	0.0	53.3	79.9#

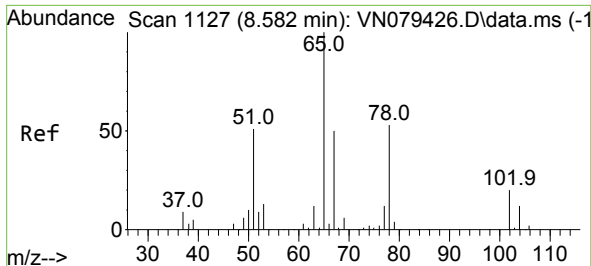


#31
Cyclohexane
Concen: 1.233 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.041 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

Tgt Ion: 56 Resp: 7166

Ion	Ratio	Lower	Upper
56	100		
69	135.1	26.8	40.2#
84	79.7	81.8	122.6#





#33

1,2-Dichloroethane-d4

Concen: 52.551 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

Instrument :

MSVOA_N

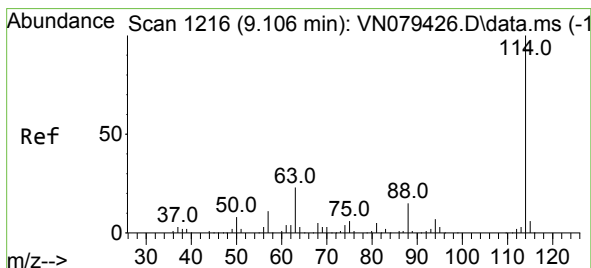
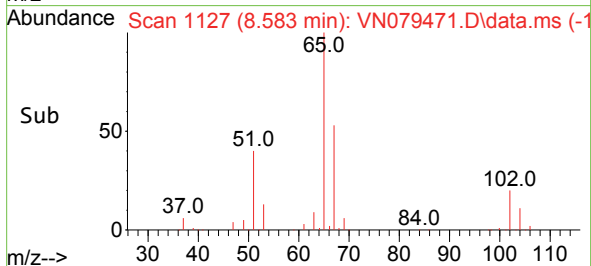
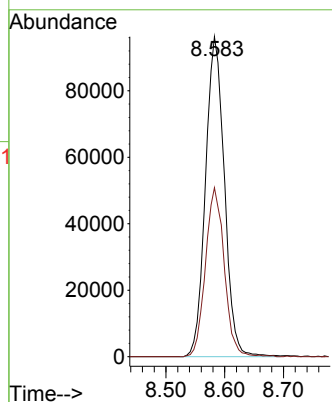
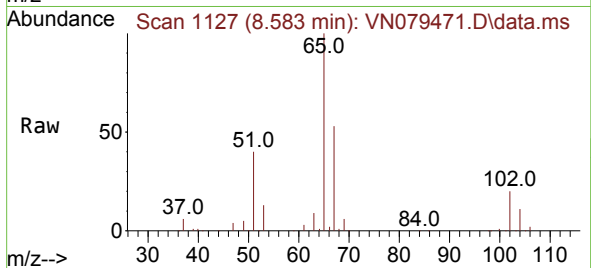
ClientSampleId :

Tgt Ion: 65 Resp: 215370

Ion Ratio Lower Upper

65 100

67 52.5 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

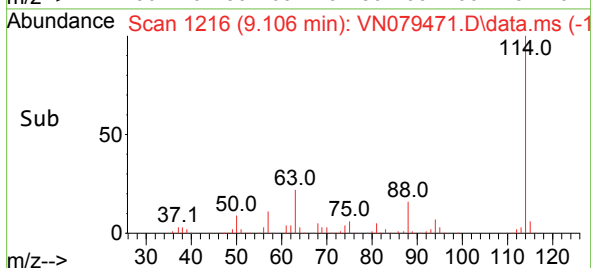
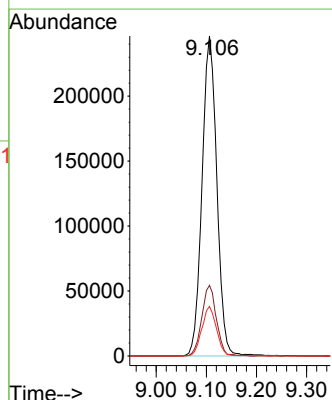
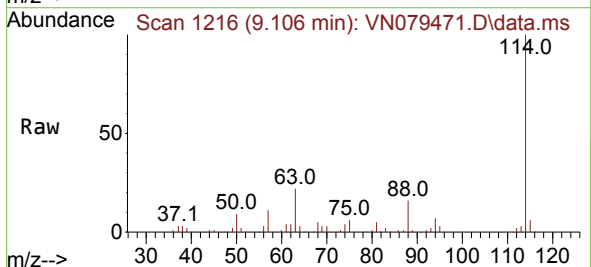
Tgt Ion: 114 Resp: 505037

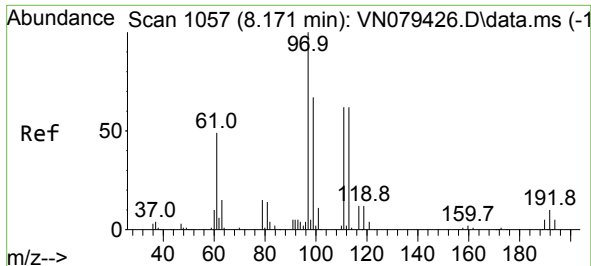
Ion Ratio Lower Upper

114 100

63 22.1 0.0 36.4

88 15.5 0.0 30.6





#35

Dibromofluoromethane

Concen: 51.749 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. 0.000 min

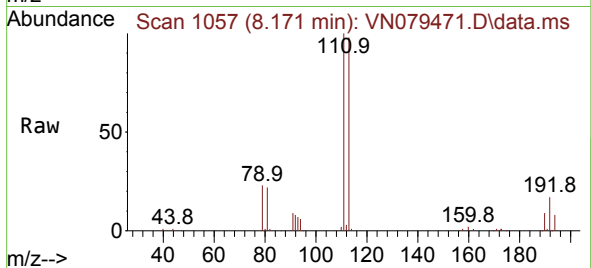
Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

Instrument :

MSVOA_N

ClientSampleId :



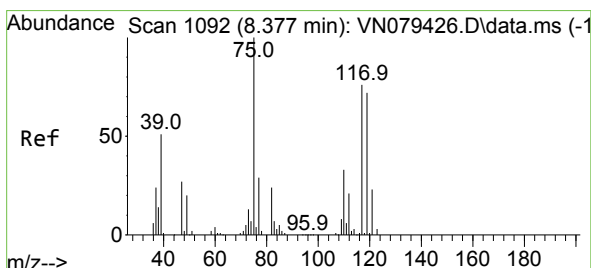
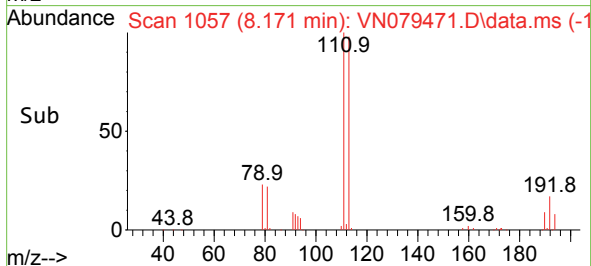
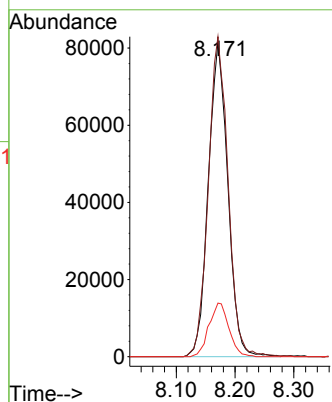
Tgt Ion:113 Resp: 187815

Ion Ratio Lower Upper

113 100

111 103.3 82.6 123.8

192 17.4 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.357 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

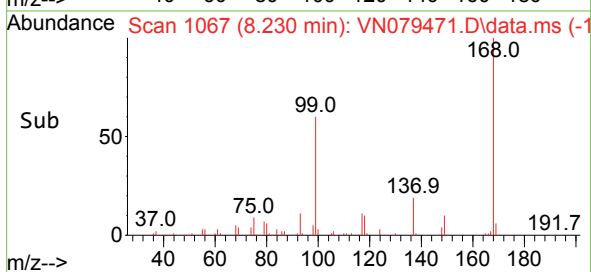
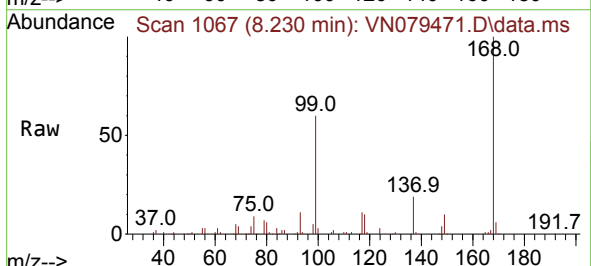
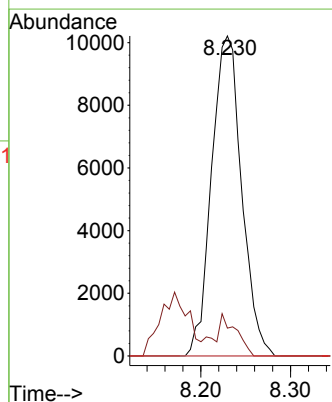
Tgt Ion: 75 Resp: 23731

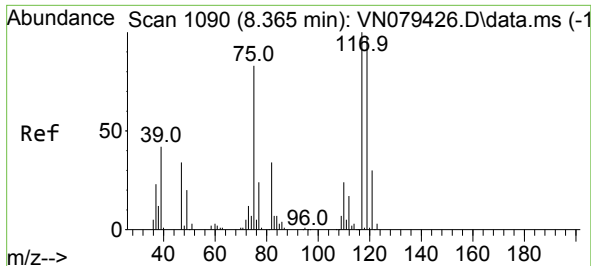
Ion Ratio Lower Upper

75 100

110 7.7 19.1 57.3#

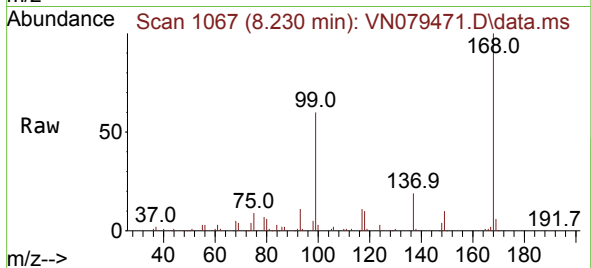
77 0.0 25.0 37.4#



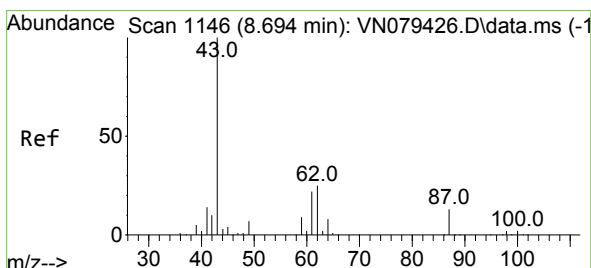
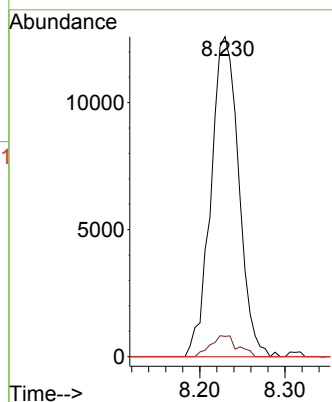
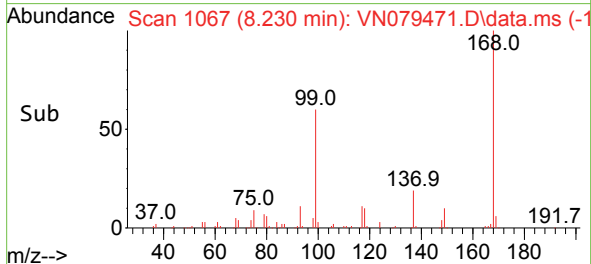


#38
Carbon Tetrachloride
Concen: 5.255 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.135 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

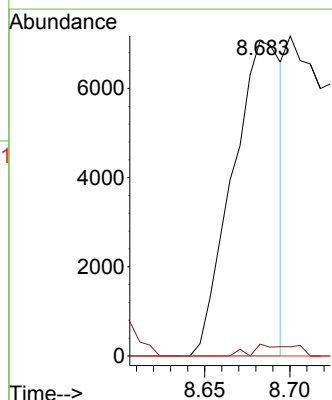
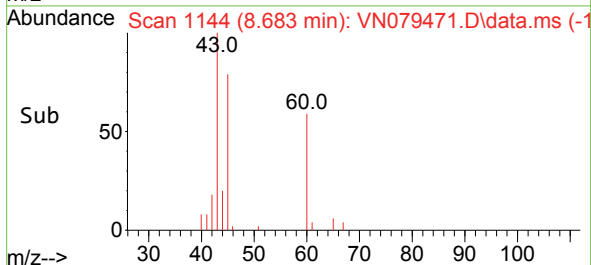
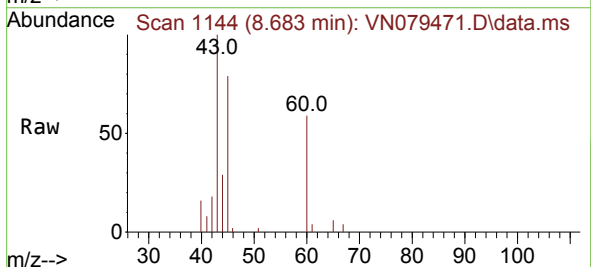


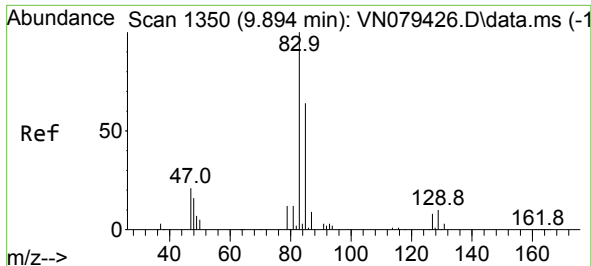
Tgt Ion:117 Resp: 28654
Ion Ratio Lower Upper
117 100
119 6.4 77.3 115.9#
121 0.0 23.3 34.9#



#43
Isopropyl Acetate
Concen: 1.478 ug/l
RT: 8.683 min Scan# 1144
Delta R.T. -0.012 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

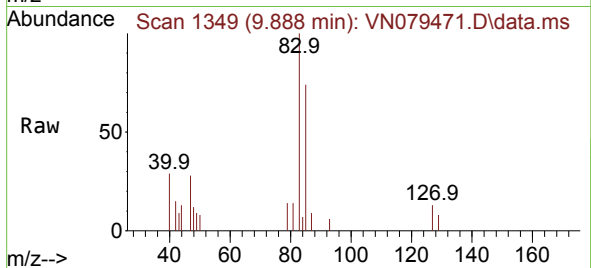
Tgt Ion: 43 Resp: 14038
Ion Ratio Lower Upper
43 100
61 3.2 24.7 37.1#
87 0.0 14.6 21.8#



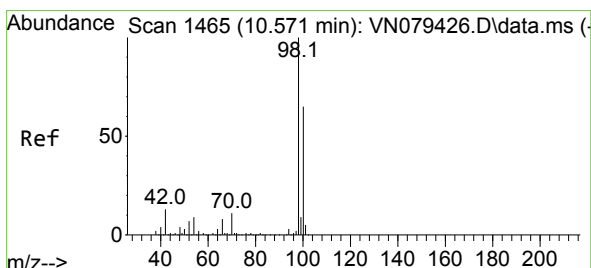
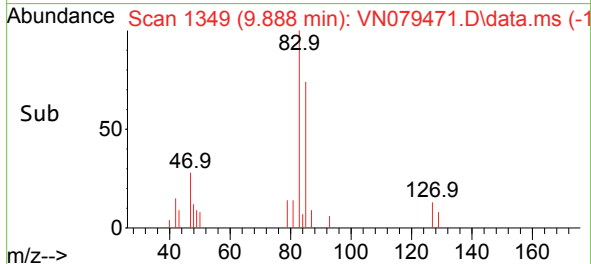
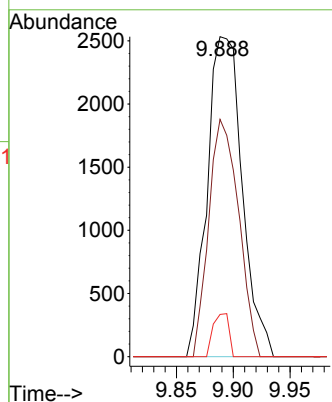


#47
Bromodichloromethane
Concen: 0.954 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

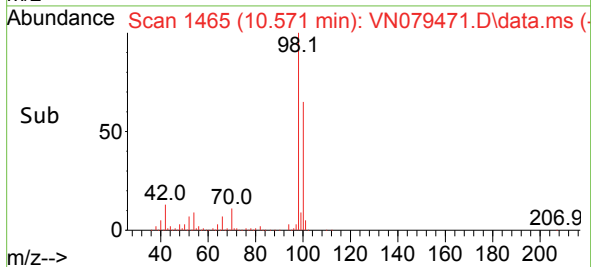
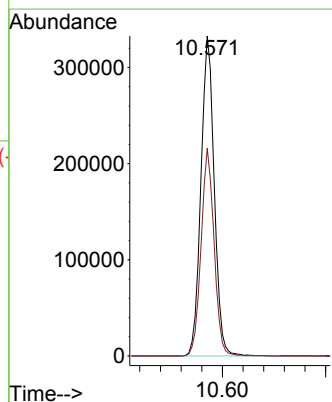
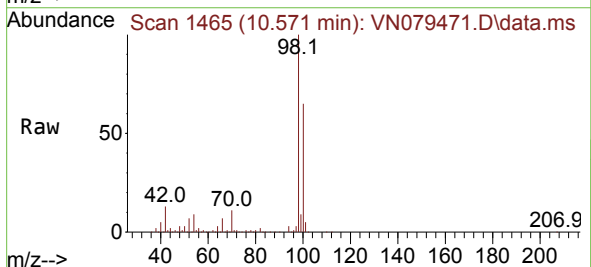


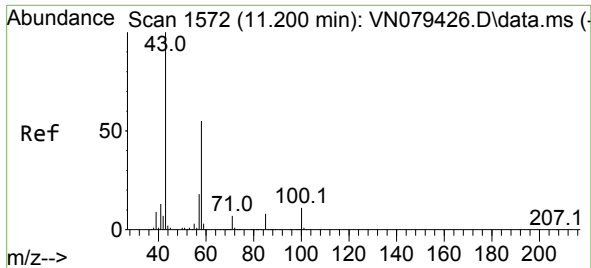
Tgt Ion: 83 Resp: 5417
Ion Ratio Lower Upper
83 100
85 74.1 49.6 74.4
127 13.2 7.0 10.6#



#50
Toluene-d8
Concen: 45.324 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

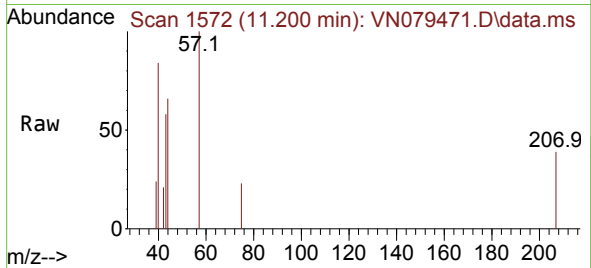
Tgt Ion: 98 Resp: 595203
Ion Ratio Lower Upper
98 100
100 63.2 52.0 78.0



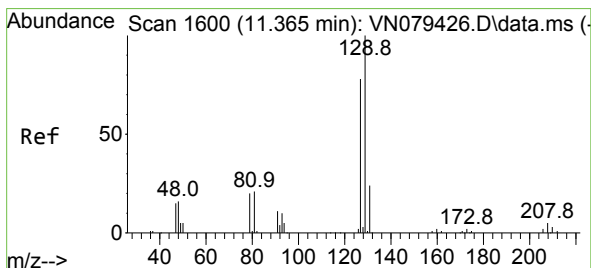
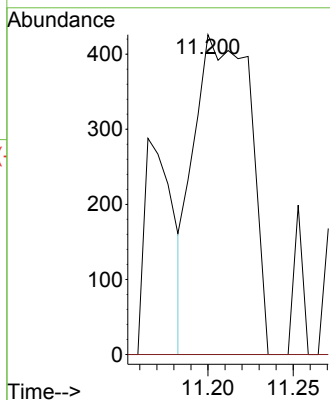
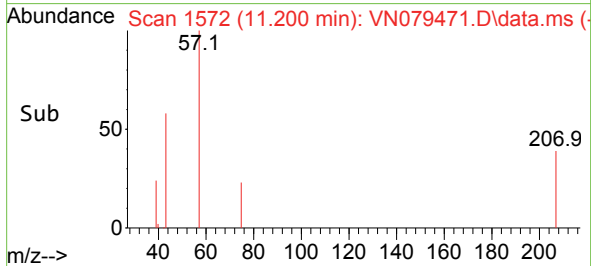


#59
2-Hexanone
Concen: 0.252 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

Instrument :
MSVOA_N
ClientSampleId :

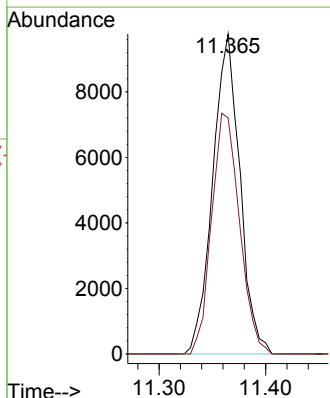
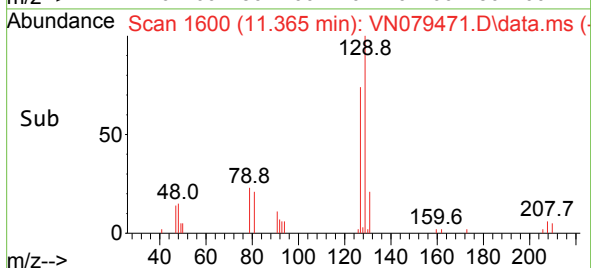
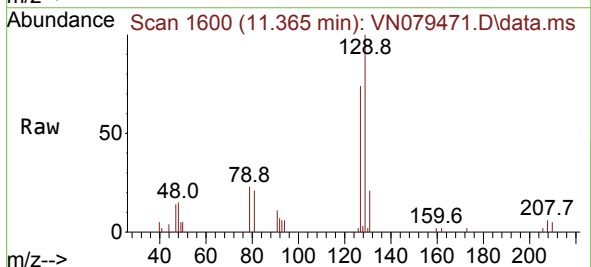


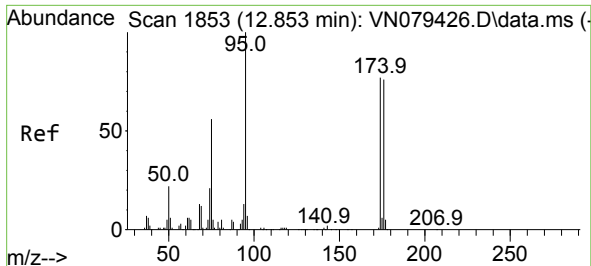
Tgt Ion: 43 Resp: 976
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#60
Dibromochloromethane
Concen: 4.491 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

Tgt Ion: 129 Resp: 17256
Ion Ratio Lower Upper
129 100
127 77.4 38.6 116.0

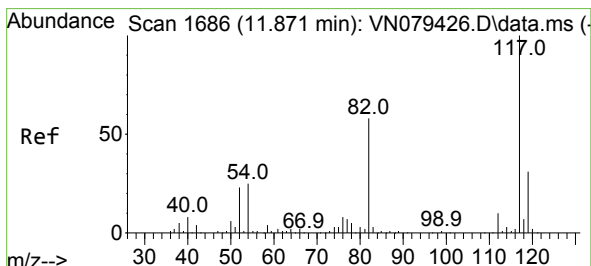
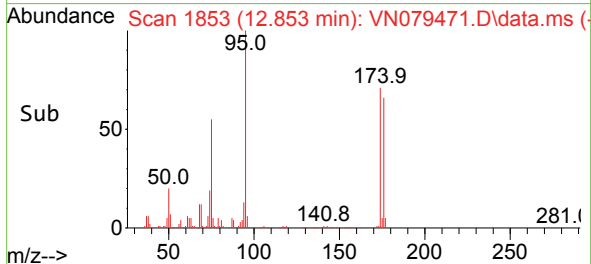
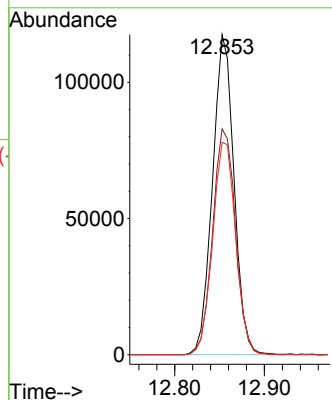
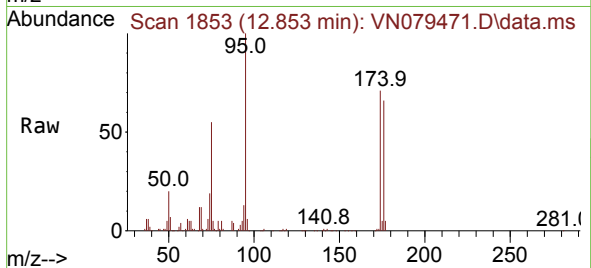




#62
4-Bromofluorobenzene
Concen: 46.290 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

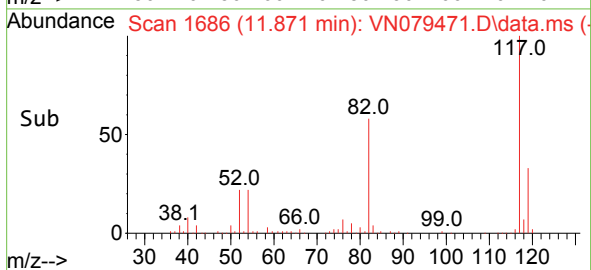
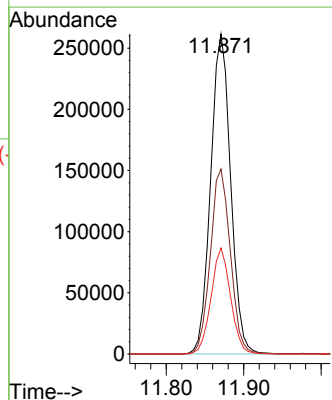
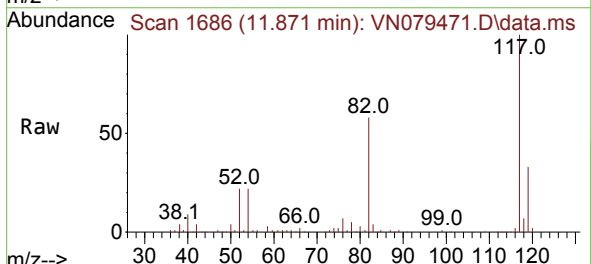
Instrument :
MSVOA_N
ClientSampleId :

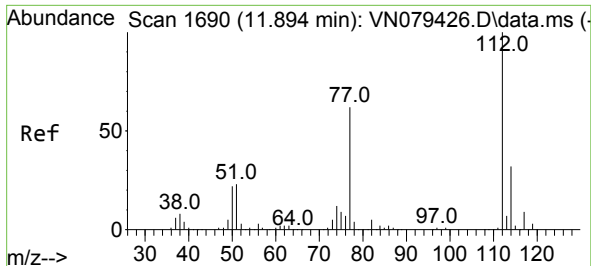
Tgt Ion: 95 Resp: 195082
Ion Ratio Lower Upper
95 100
174 75.1 0.0 143.8
176 71.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

Tgt Ion: 117 Resp: 469091
Ion Ratio Lower Upper
117 100
82 57.8 44.0 66.0
119 33.1 25.6 38.4

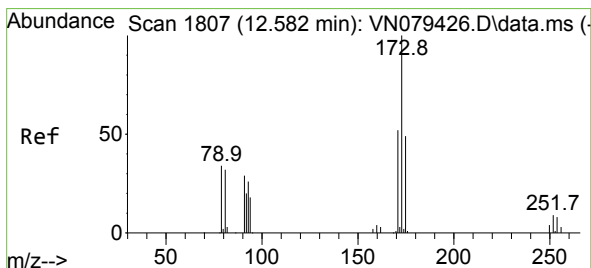
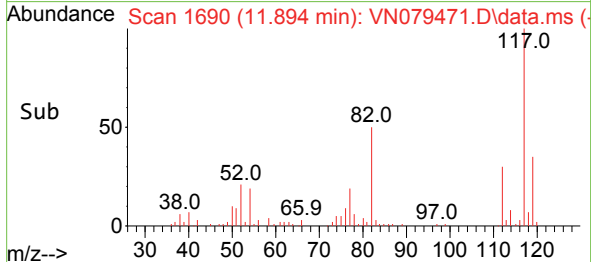
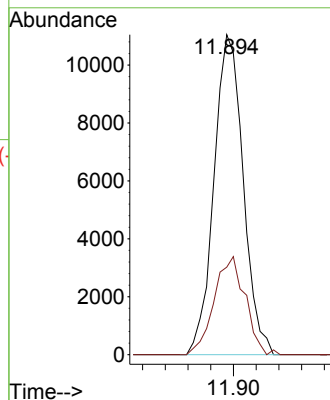
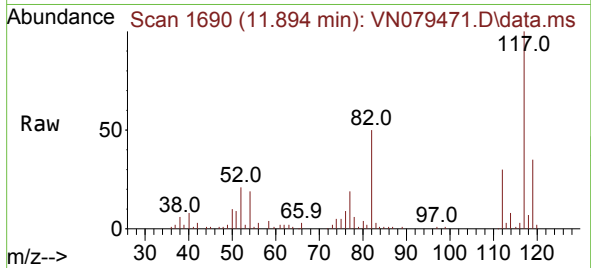




#65
Chlorobenzene
Concen: 1.890 ug/l
RT: 11.894 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

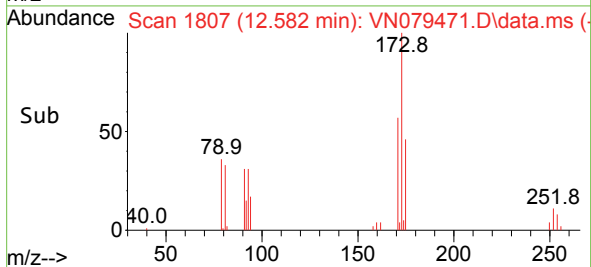
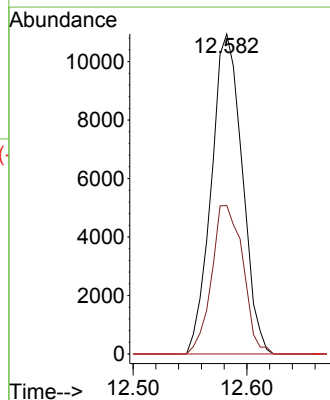
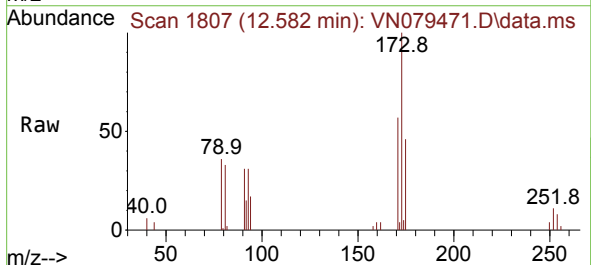
Instrument :
MSVOA_N
ClientSampleId :

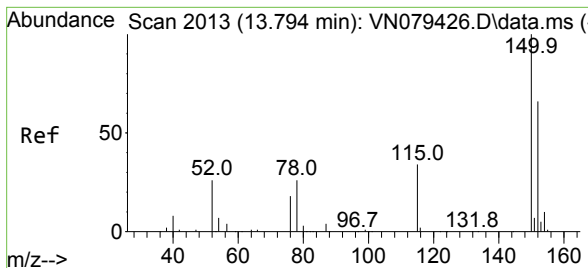
Tgt Ion:112 Resp: 19749
Ion Ratio Lower Upper
112 100
114 27.3 25.0 37.4



#71
Bromoform
Concen: 7.375 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VN079471.D
Acq: 09 Oct 2023 14:47

Tgt Ion:173 Resp: 20647
Ion Ratio Lower Upper
173 100
175 46.9 24.3 73.0
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.800 min Scan# 20

Delta R.T. 0.006 min

Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

Instrument :

MSVOA_N

ClientSampleId :

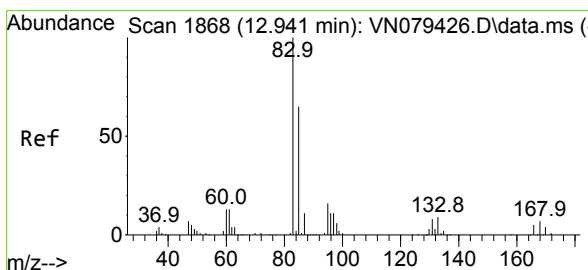
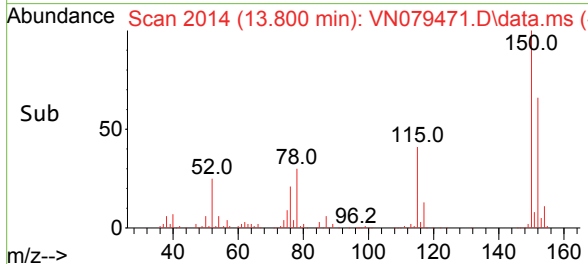
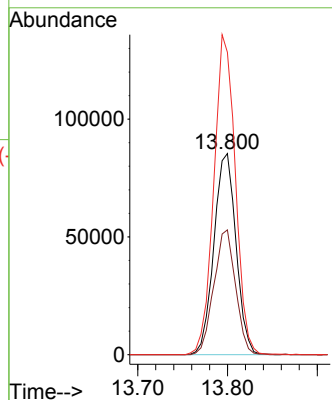
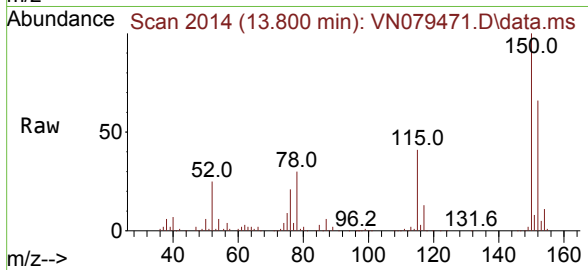
Tgt Ion:152 Resp: 146282

Ion Ratio Lower Upper

152 100

115 60.9 32.3 96.8

150 154.6 0.0 355.8



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.941 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

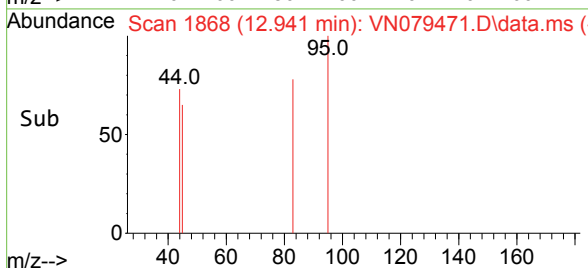
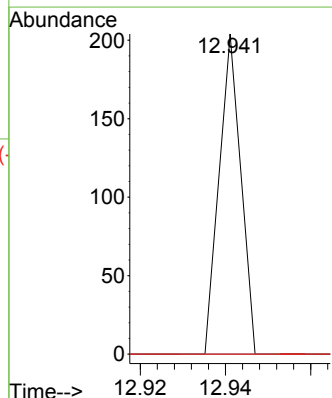
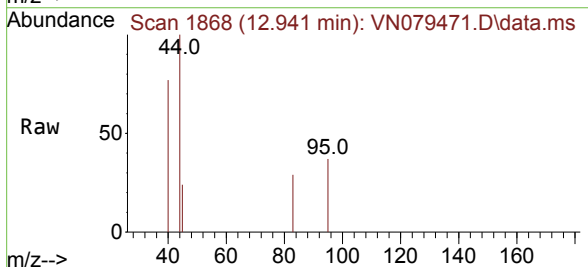
Tgt Ion: 83 Resp: 72

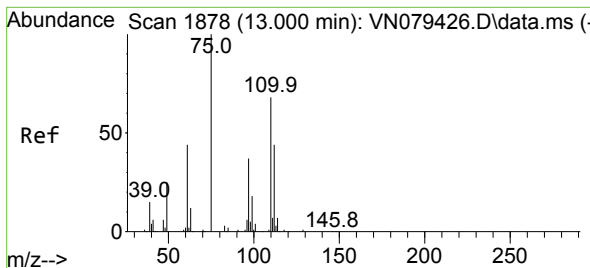
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 31.9 95.7#





#76

1,2,3-Trichloropropane

Concen: 25.507 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

Instrument :

MSVOA_N

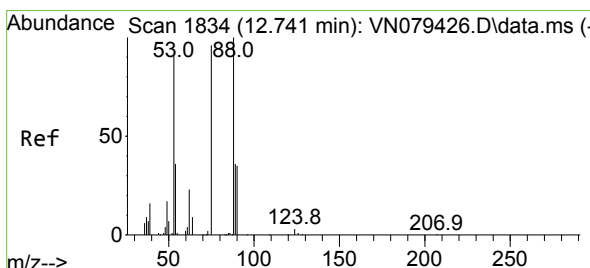
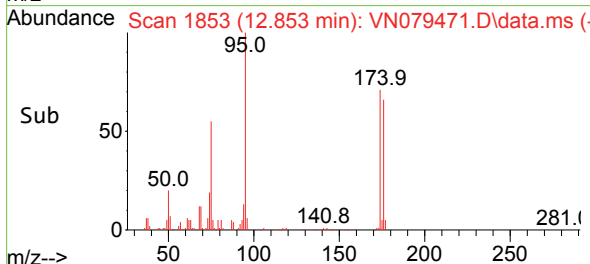
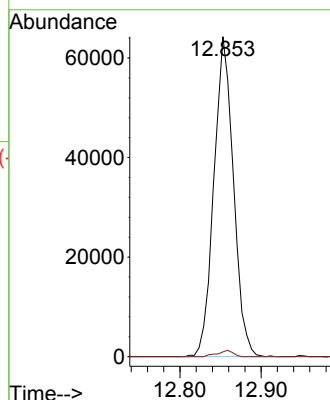
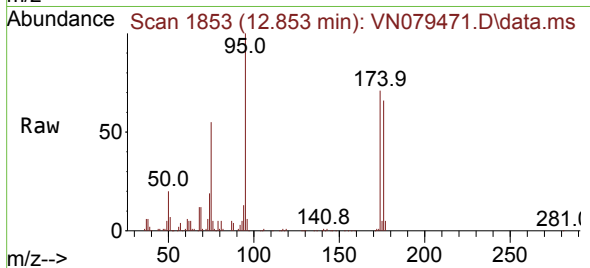
ClientSampleId :

Tgt Ion: 75 Resp: 107582

Ion Ratio Lower Upper

75 100

77 1.6 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.010 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN079471.D

Acq: 09 Oct 2023 14:47

Tgt Ion: 75 Resp: 107582

Ion Ratio Lower Upper

75 100

53 0.1 67.4 101.2#

89 0.0 38.8 58.2#

