

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079387.D
 Acq On : 30 Sep 2023 15:22
 Operator : JC\MD
 Sample : PB155992ZHE#07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:56:31 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 12 05:05:24 2023
 Response via : Initial Calibration

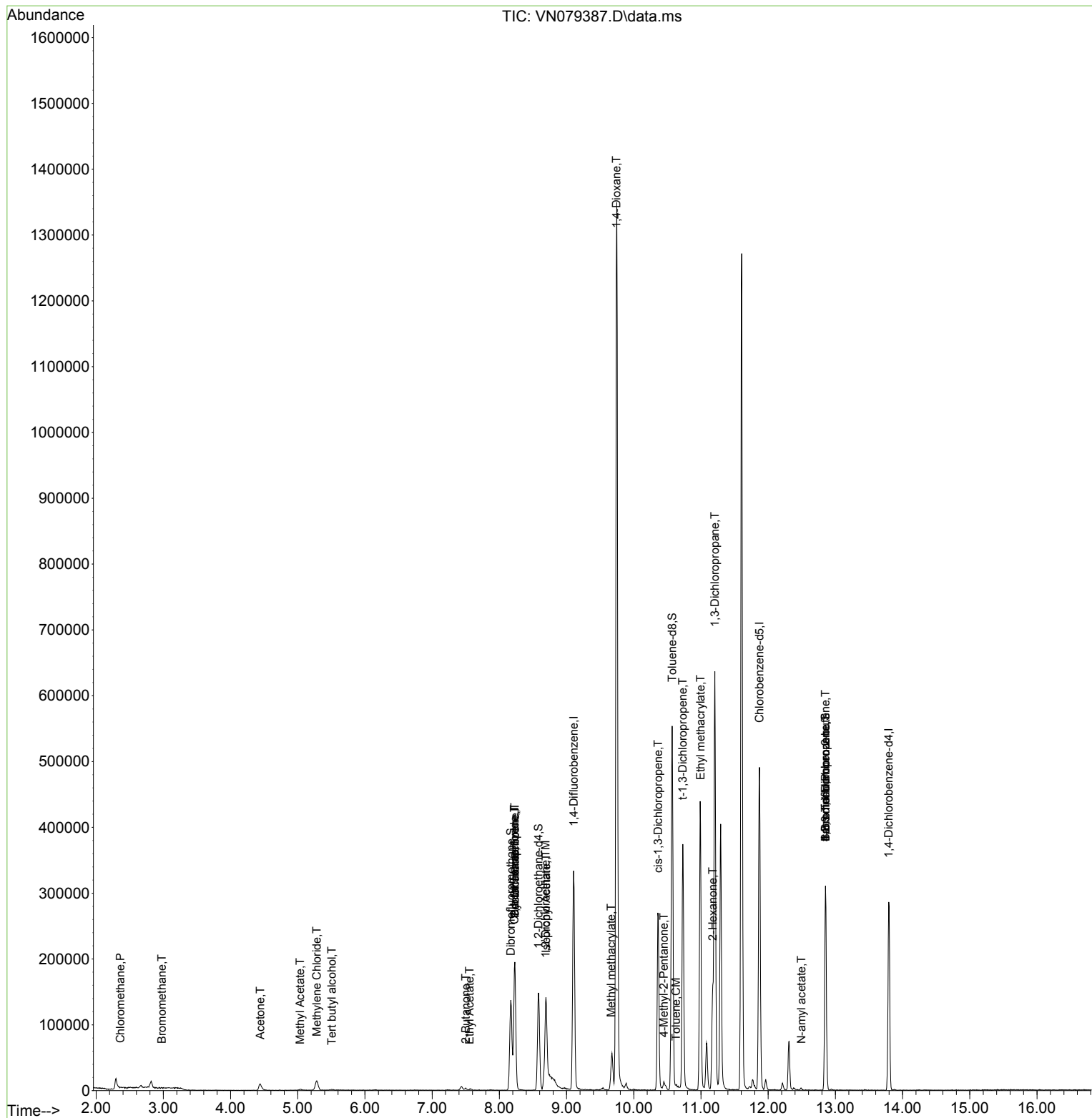
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	133808	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	279821	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	282214	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	74969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	118901	65.826	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 131.660%#	
35) Dibromofluoromethane	8.171	113	98838	53.101	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 106.200%	
50) Toluene-d8	10.571	98	373275	54.617	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.240%	
62) 4-Bromofluorobenzene	12.853	95	103960	47.687	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.380%	
Target Compounds						Qvalue
3) Chloromethane	2.359	50	389	0.224	ug/l #	42
5) Bromomethane	2.977	94	329	0.302	ug/l	82
6) Chloroethane	3.142	64	338	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	889	2.666	ug/l #	72
16) Acetone	4.442	43	19161	24.977	ug/l	89
18) Methyl Acetate	5.036	43	2718	0.862	ug/l #	71
20) Methylene Chloride	5.283	84	10561	5.657	ug/l #	77
25) 2-Butanone	7.500	43	4941	4.439	ug/l #	79
31) Cyclohexane	8.230	56	3588	1.360	ug/l #	18
36) 1,1-Dichloropropene	8.230	75	12649	4.409	ug/l #	47
37) Ethyl Acetate	7.559	43	3351	1.171	ug/l #	75
38) Carbon Tetrachloride	8.224	117	14572	4.908	ug/l #	19
42) 1,2-Dichloroethane	8.688	62	835	0.276	ug/l #	73
43) Isopropyl Acetate	8.694	43	182893	39.170	ug/l #	72
48) Methyl methacrylate	9.665	41	3788	1.811	ug/l #	31
49) 1,4-Dioxane	9.741	88	137	3.185	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	13113	4.838	ug/l #	66
52) Toluene	10.629	92	1885	0.349	ug/l	92
53) t-1,3-Dichloropropene	10.729	75	931	0.291	ug/l #	63
54) cis-1,3-Dichloropropene	10.365	75	46641	13.646	ug/l #	72
56) Ethyl methacrylate	10.994	69	2565	0.858	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6050	1.652	ug/l #	42
59) 2-Hexanone	11.176	43	126899	64.640	ug/l #	19
71) Bromoform	12.853	173	1163	0.657	ug/l #	1
74) N-amyl acetate	12.494	43	1722	0.665	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	58625	29.015	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	58625	79.768	ug/l #	15

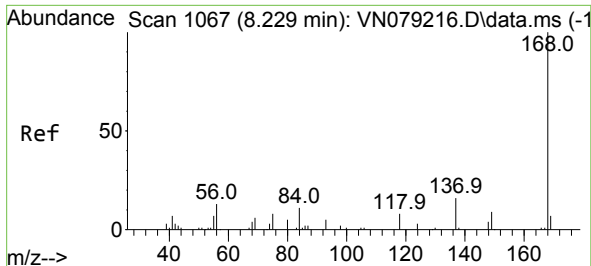
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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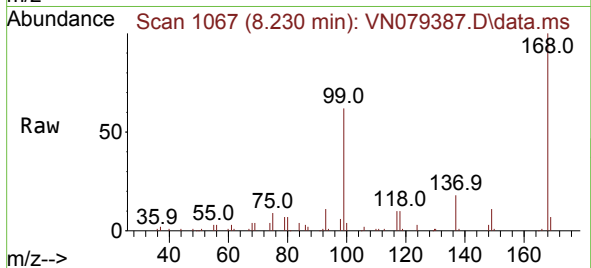
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration



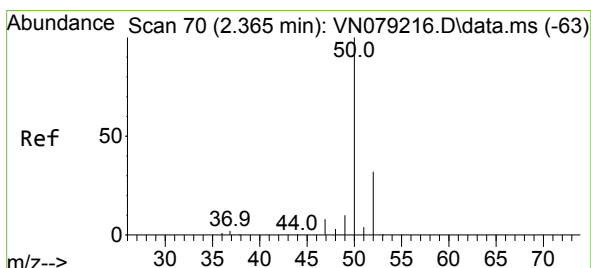
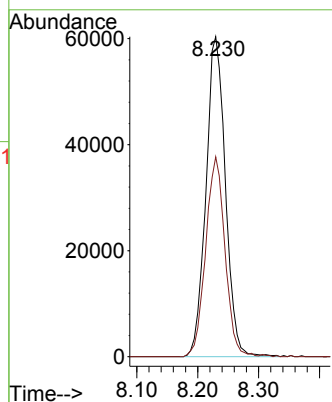
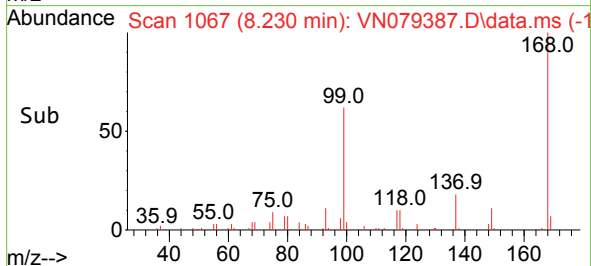


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Instrument :
MSVOA_N
ClientSampleId :

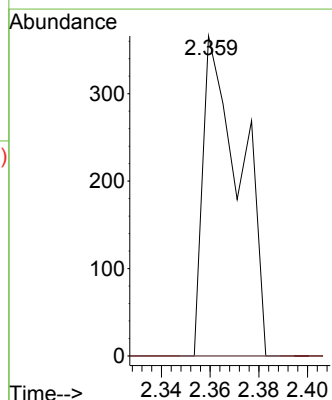
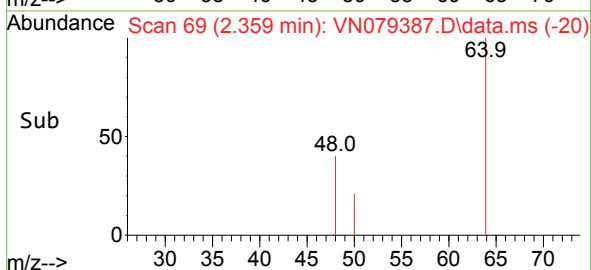
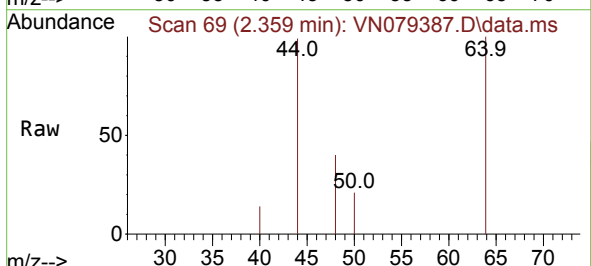


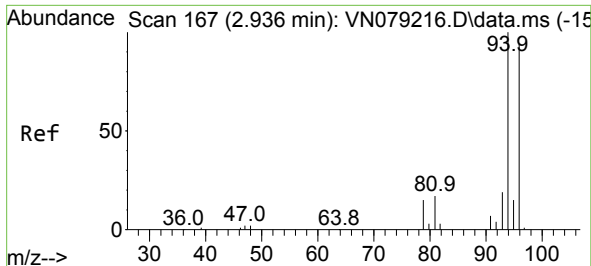
Tgt Ion:168 Resp: 133808
Ion Ratio Lower Upper
168 100
99 62.4 53.0 79.6



#3
Chloromethane
Concen: 0.224 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.012 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Tgt Ion: 50 Resp: 389
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

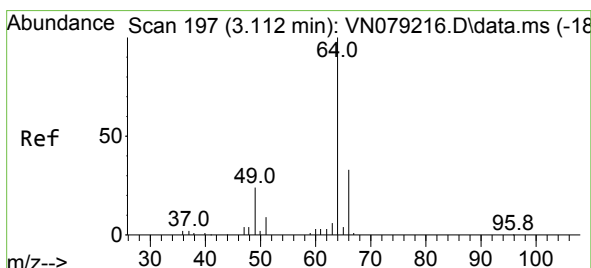
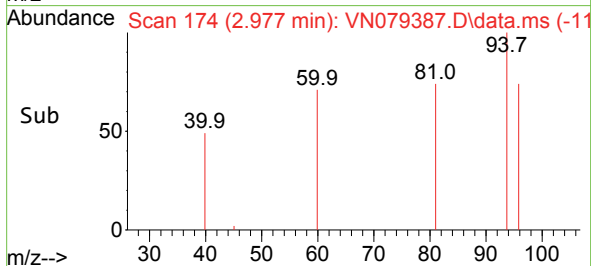
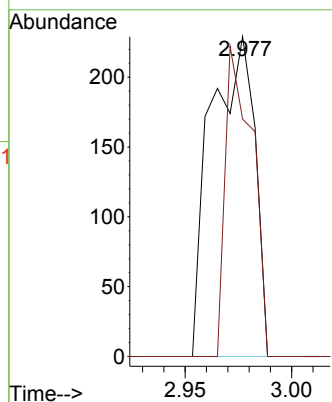
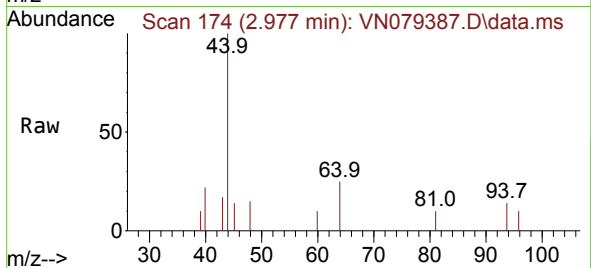




#5
Bromomethane
Concen: 0.302 ug/l
RT: 2.977 min Scan# 11
Delta R.T. 0.029 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

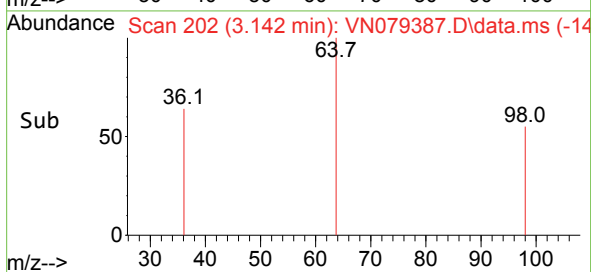
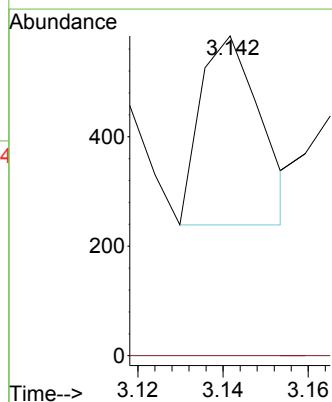
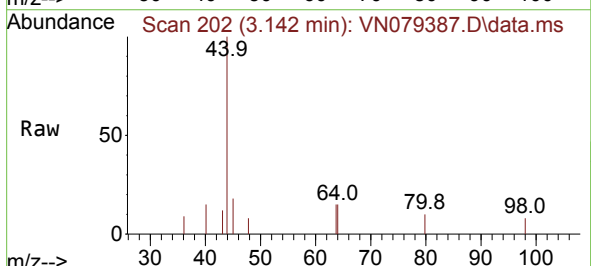
Instrument :
MSVOA_N
ClientSampleId :

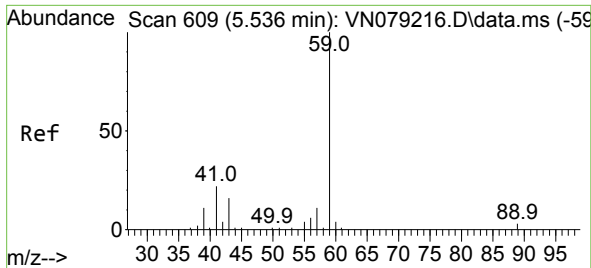
Tgt Ion: 94 Resp: 329
Ion Ratio Lower Upper
94 100
96 74.2 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Tgt Ion: 64 Resp: 338
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

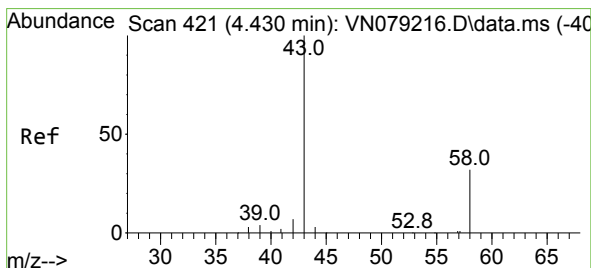
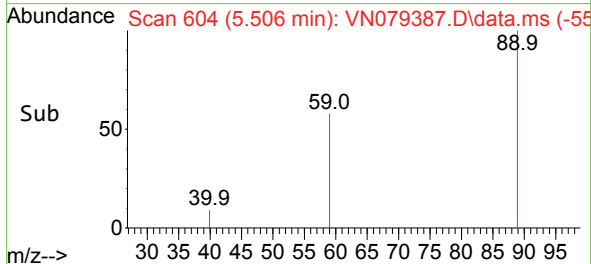
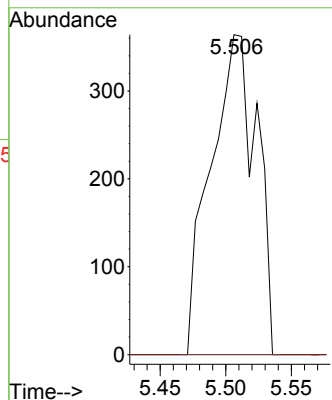
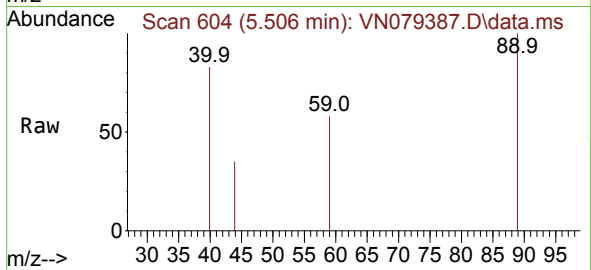




#11
Tert butyl alcohol
Concen: 2.666 ug/l
RT: 5.506 min Scan# 609
Delta R.T. -0.036 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

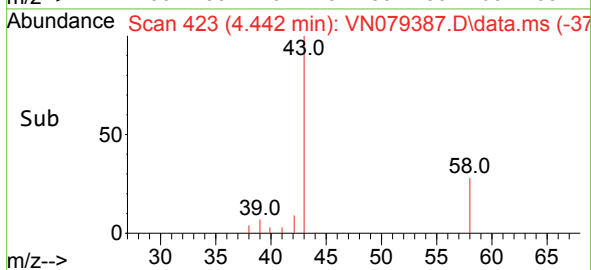
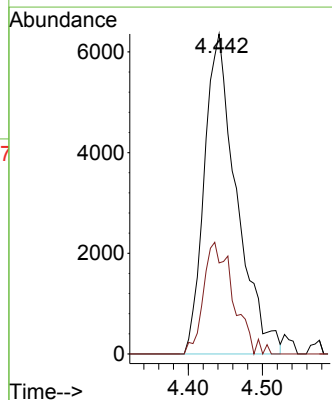
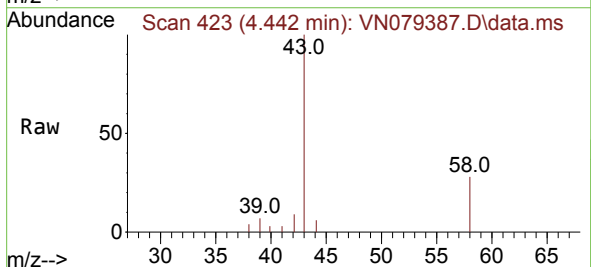
Instrument :
MSVOA_N
ClientSampleId :

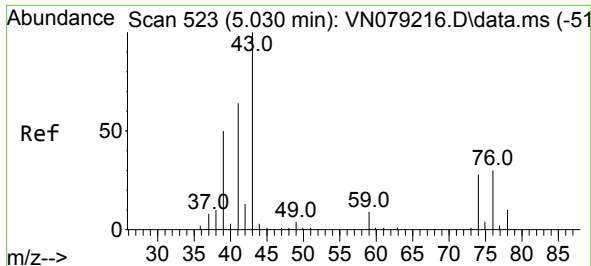
Tgt Ion: 59 Resp: 889
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 24.977 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Tgt Ion: 43 Resp: 19161
Ion Ratio Lower Upper
43 100
58 28.5 28.0 42.0

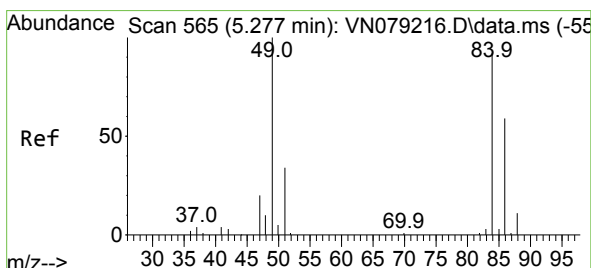
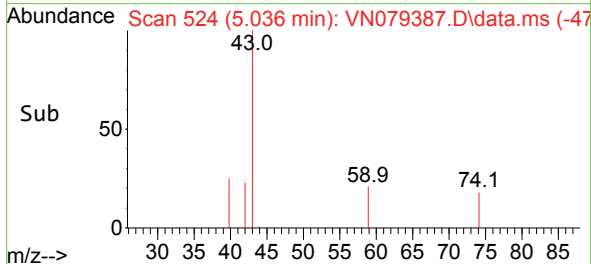
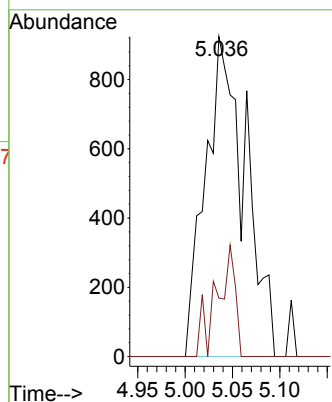
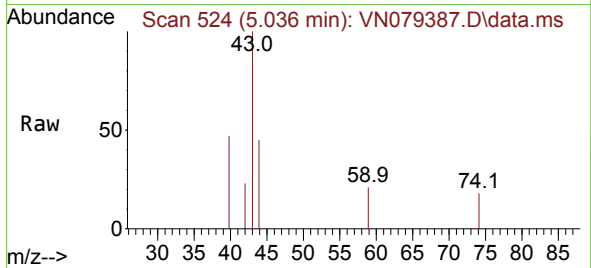




#18
Methyl Acetate
Concen: 0.862 ug/l
RT: 5.036 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

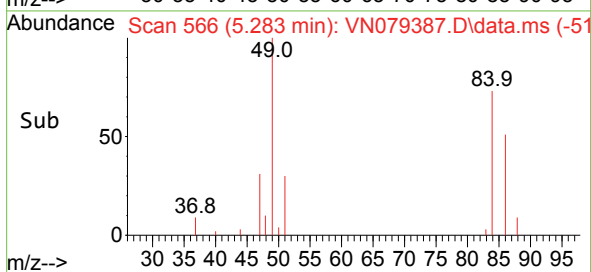
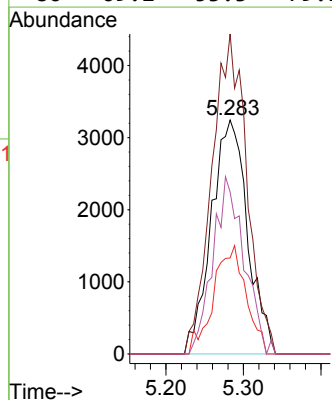
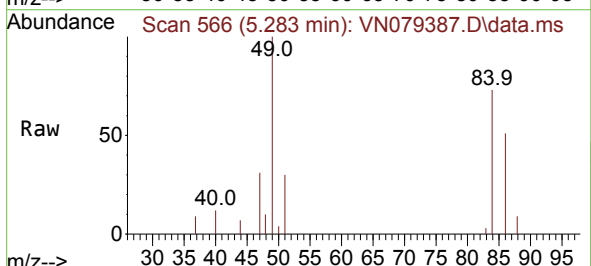
Instrument :
MSVOA_N
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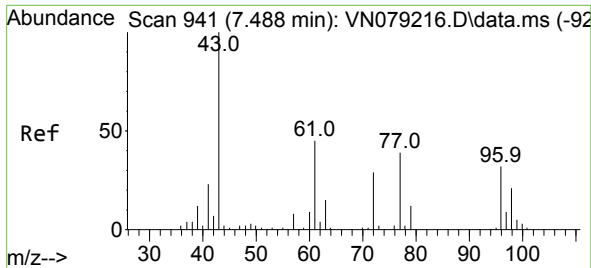
Tgt Ion: 43 Resp: 2718
Ion Ratio Lower Upper
43 100
74 16.3 26.2 39.4#



#20
Methylene Chloride
Concen: 5.657 ug/l
RT: 5.283 min Scan# 566
Delta R.T. -0.000 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Tgt Ion: 84 Resp: 10561
Ion Ratio Lower Upper
84 100
49 136.8 79.7 119.5#
51 41.0 25.2 37.8#
86 69.2 53.3 79.9

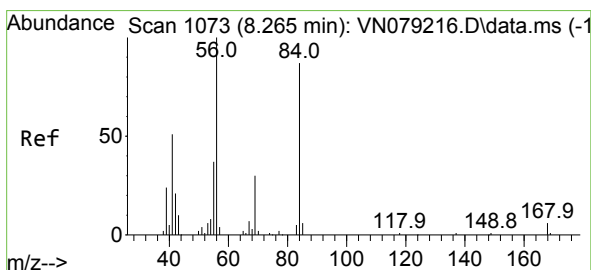
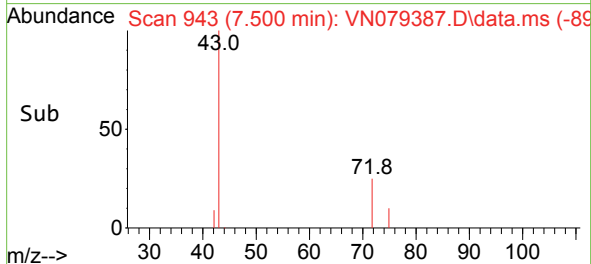
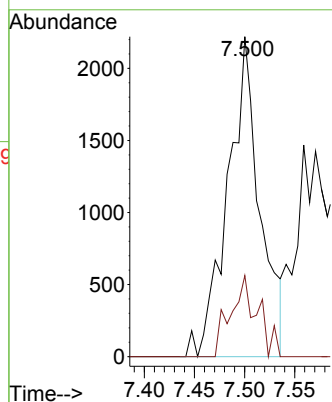
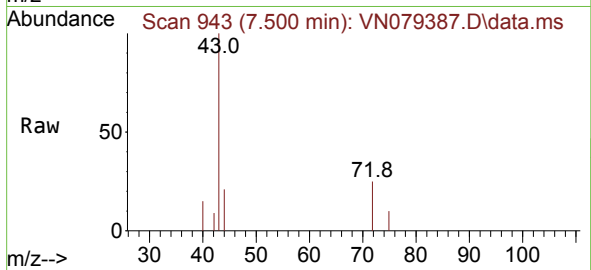




#25
2-Butanone
Concen: 4.439 ug/l
RT: 7.500 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

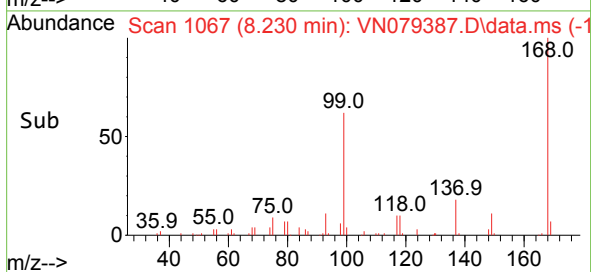
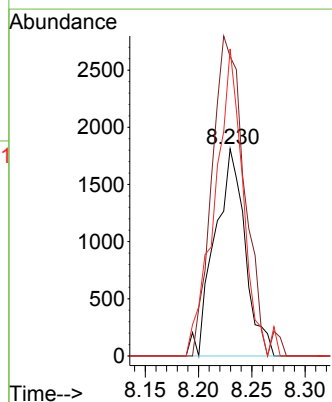
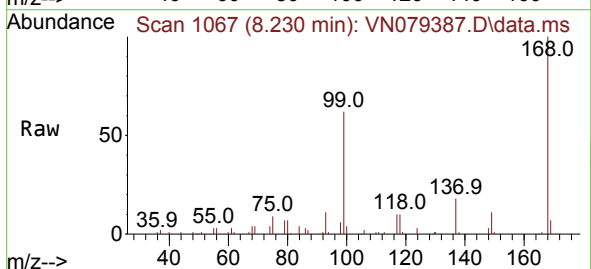
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MSVOA_N
ClientSampleId :

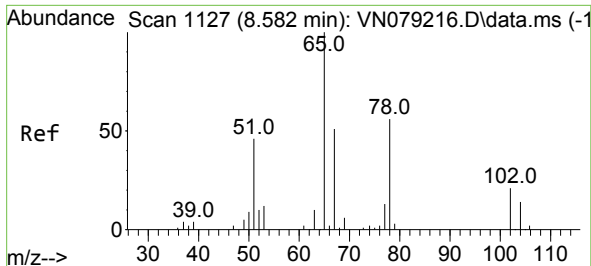
Tgt Ion: 43 Resp: 4941
Ion Ratio Lower Upper
43 100
72 25.4 30.2 45.2#



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Tgt Ion: 56 Resp: 3588
Ion Ratio Lower Upper
56 100
69 144.4 26.8 40.2#
84 148.1 81.8 122.6#





#33

1,2-Dichloroethane-d4

Concen: 65.826 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079387.D

Acq: 30 Sep 2023 15:22

Instrument :

MSVOA_N

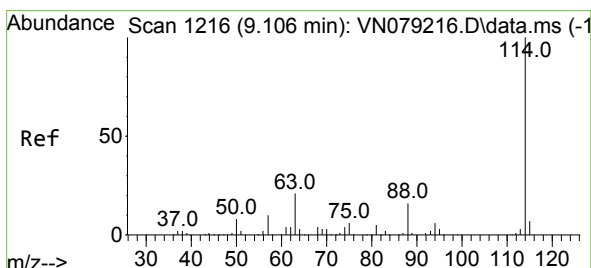
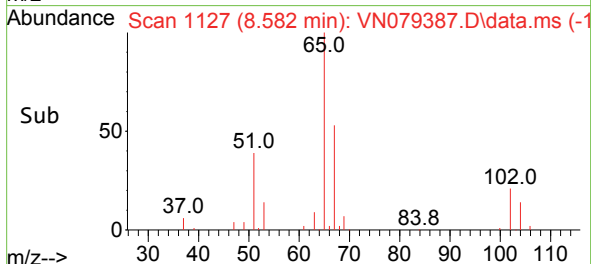
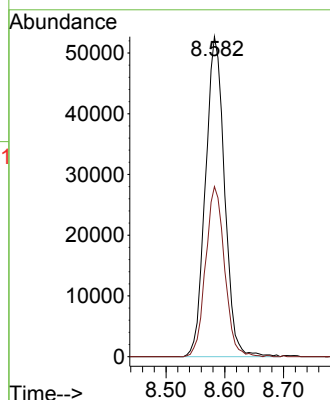
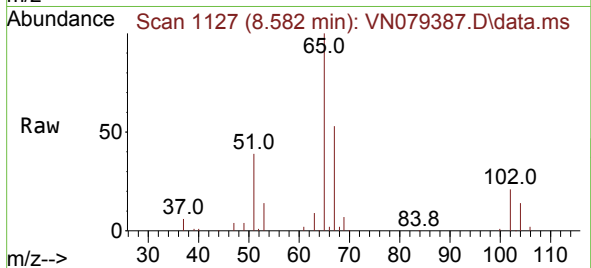
ClientSampleId :

Tgt Ion: 65 Resp: 118901

Ion Ratio Lower Upper

65 100

67 52.7 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079387.D

Acq: 30 Sep 2023 15:22

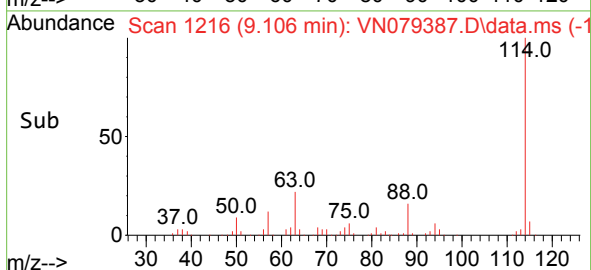
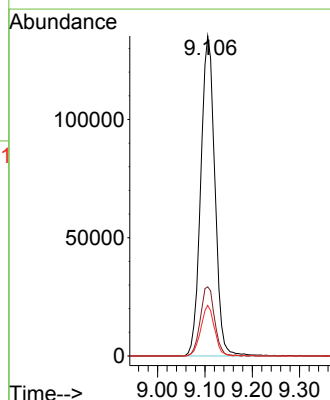
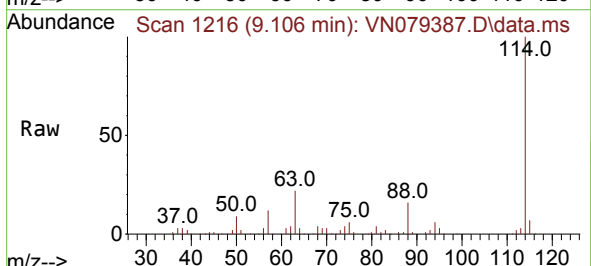
Tgt Ion: 114 Resp: 279821

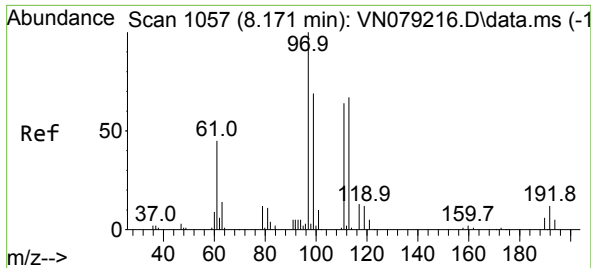
Ion Ratio Lower Upper

114 100

63 21.6 0.0 36.4

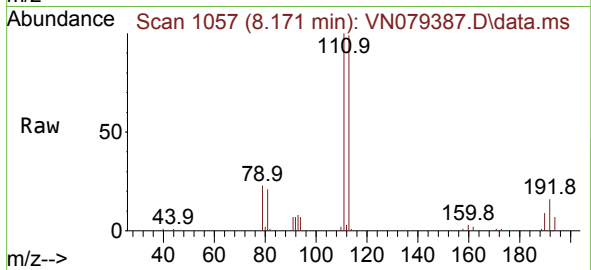
88 15.8 0.0 30.6



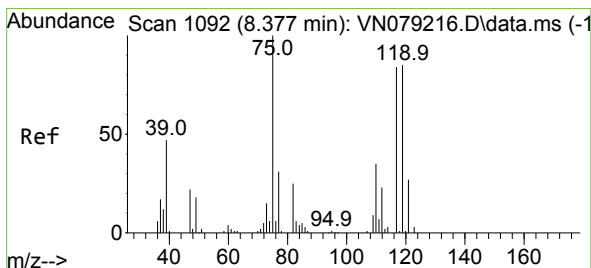
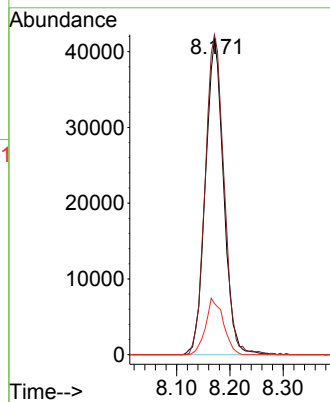
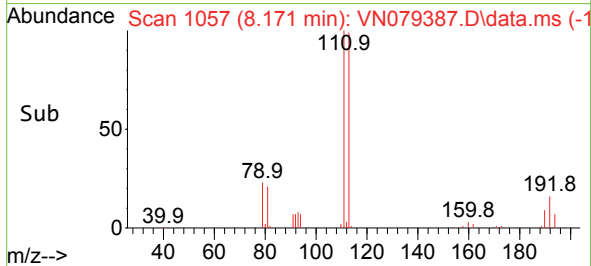


#35
 Dibromofluoromethane
 Concen: 53.101 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. -0.000 min
 Lab File: VN079387.D
 Acq: 30 Sep 2023 15:22

Instrument :
 MSVOA_N
 ClientSampleId :

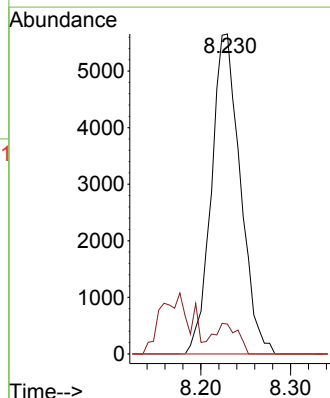
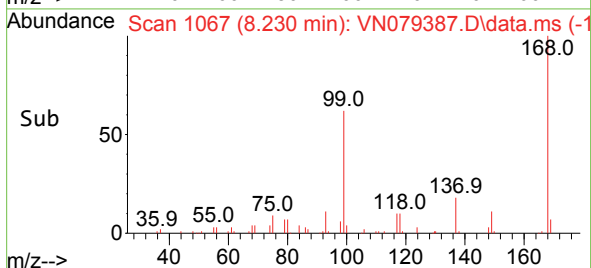
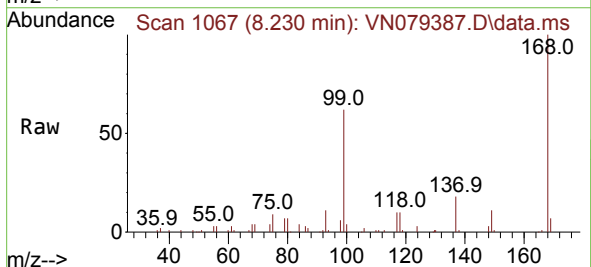


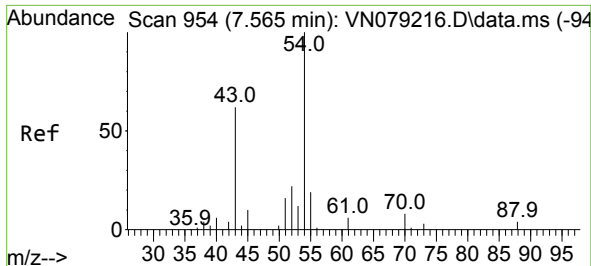
Tgt Ion:113 Resp: 98838
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.6 123.8
 192 17.5 12.7 19.1



#36
 1,1-Dichloropropene
 Concen: 4.409 ug/l
 RT: 8.230 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN079387.D
 Acq: 30 Sep 2023 15:22

Tgt Ion: 75 Resp: 12649
 Ion Ratio Lower Upper
 75 100
 110 7.7 19.1 57.3#
 77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.171 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.012 min

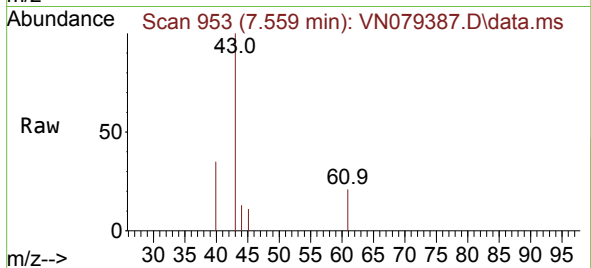
Lab File: VN079387.D

Acq: 30 Sep 2023 15:22

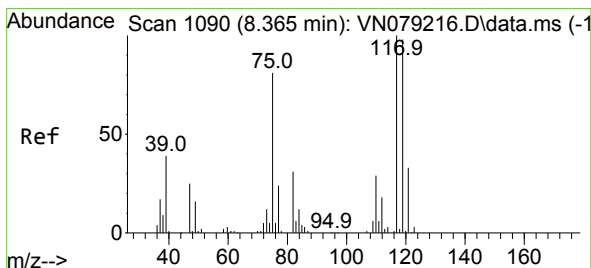
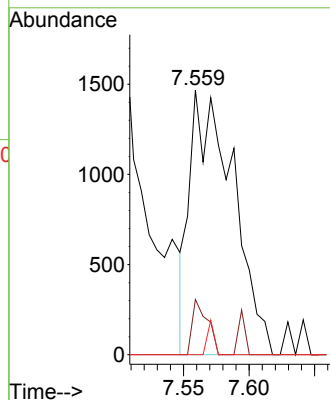
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	3351
Ion	Ratio	Lower	Upper
43	100		
61	7.3	13.2	19.8#
70	2.0	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.908 ug/l

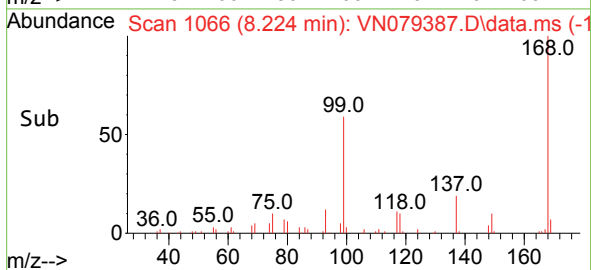
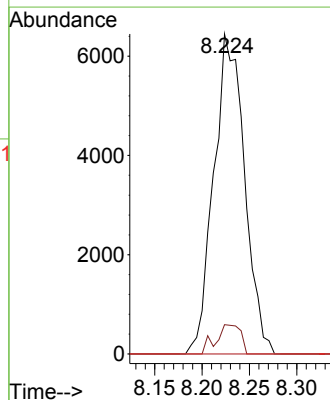
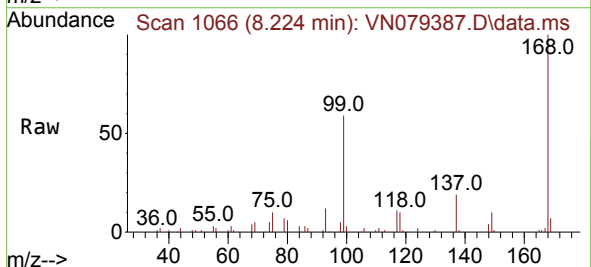
RT: 8.224 min Scan# 1066

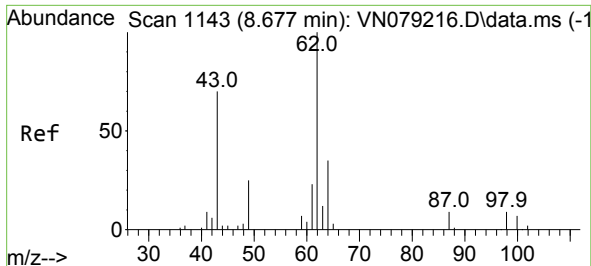
Delta R.T. -0.147 min

Lab File: VN079387.D

Acq: 30 Sep 2023 15:22

Tgt Ion:	117	Resp:	14572
Ion	Ratio	Lower	Upper
117	100		
119	9.2	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.276 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN079387.D

Acq: 30 Sep 2023 15:22

Instrument :

MSVOA_N

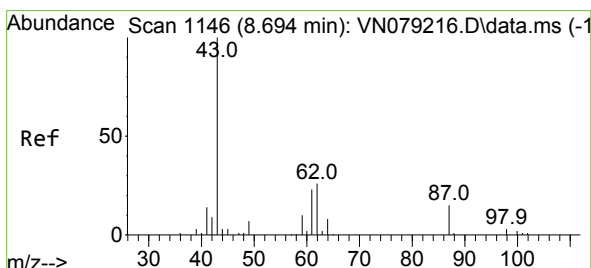
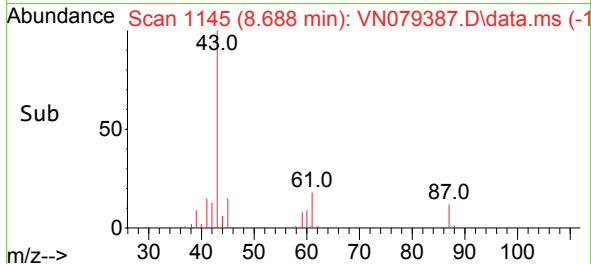
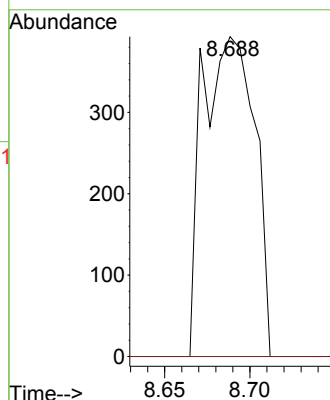
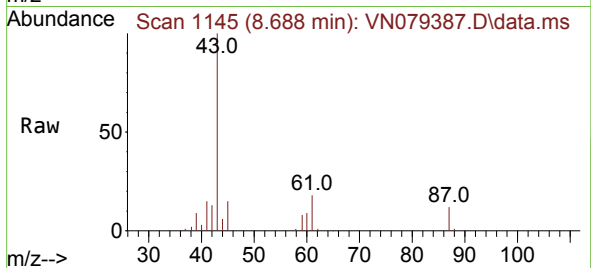
ClientSampleId :

Tgt Ion: 62 Resp: 835

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 39.170 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079387.D

Acq: 30 Sep 2023 15:22

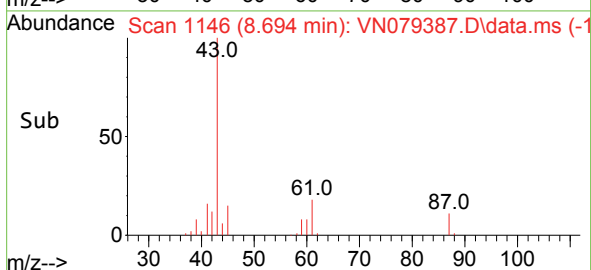
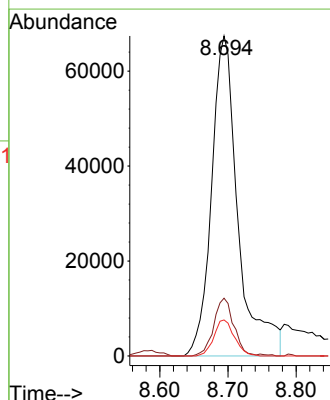
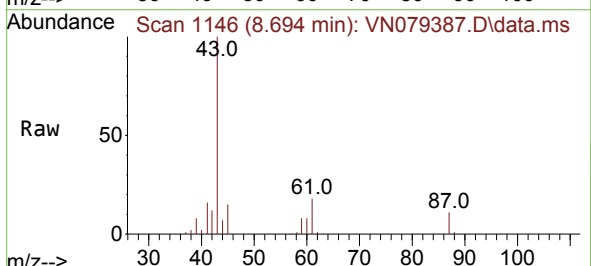
Tgt Ion: 43 Resp: 182893

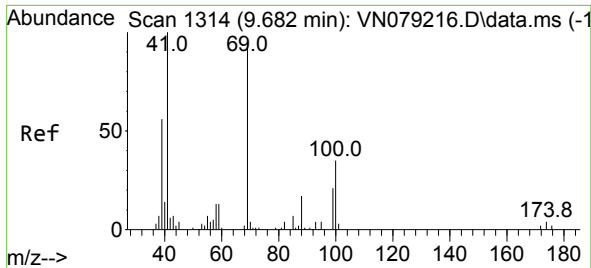
Ion Ratio Lower Upper

43 100

61 13.6 24.7 37.1#

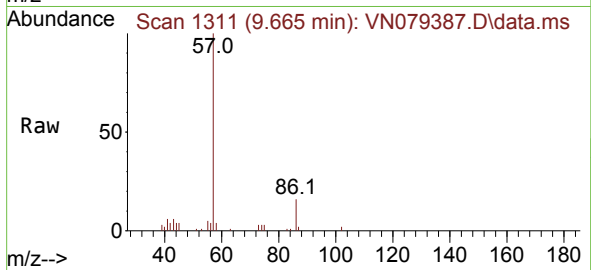
87 8.7 14.6 21.8#



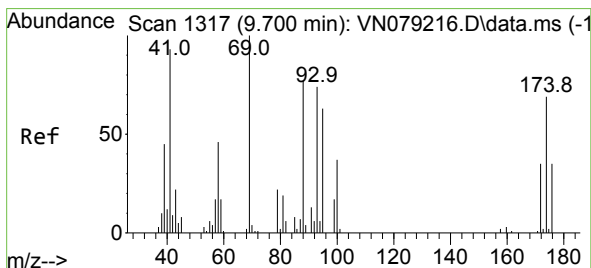
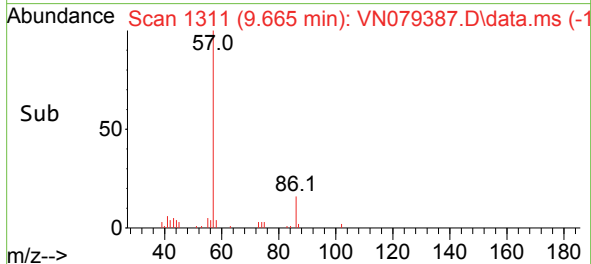
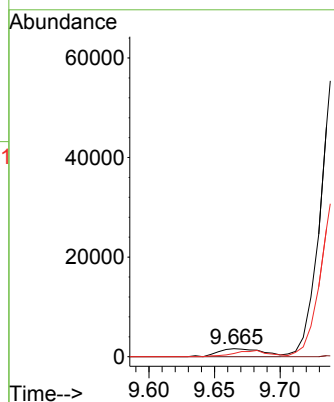


#48
Methyl methacrylate
Concen: 1.811 ug/l
RT: 9.665 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Instrument :
MSVOA_N
ClientSampleId :

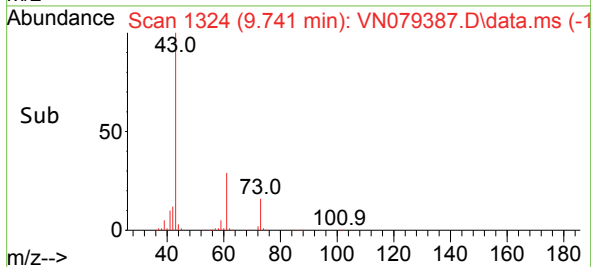
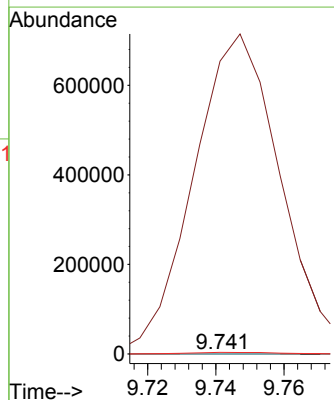
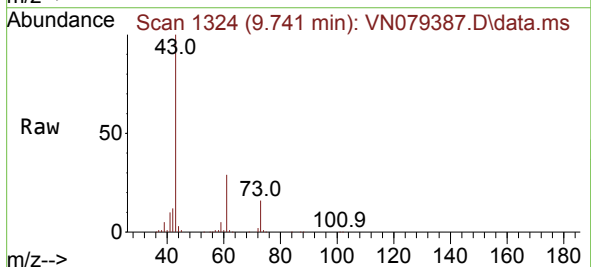


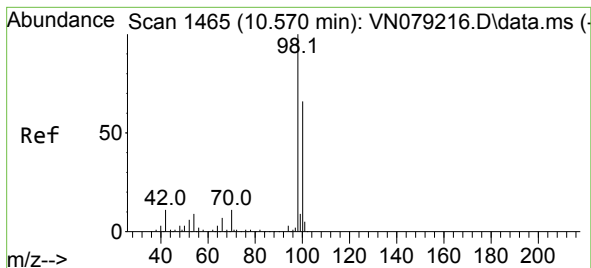
Tgt Ion: 41 Resp: 3788
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 60.1 54.6 81.8



#49
1,4-Dioxane
Concen: 3.185 ug/l
RT: 9.741 min Scan# 1324
Delta R.T. 0.041 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Tgt Ion: 88 Resp: 137
Ion Ratio Lower Upper
88 100
43 944028.5 17.0 25.6#
58 4914.6 47.0 70.4#

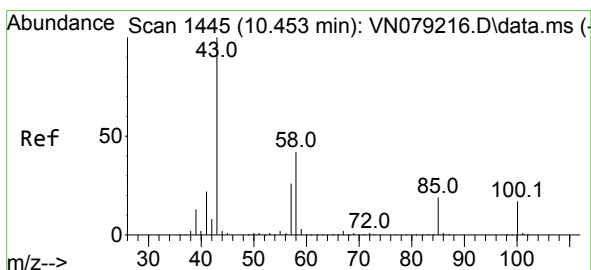
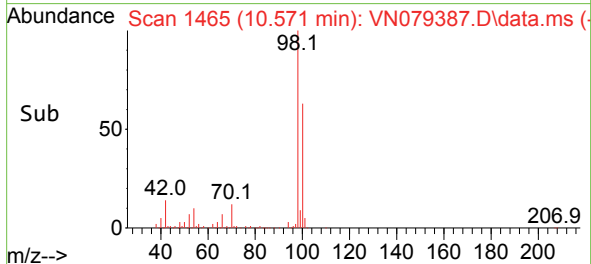
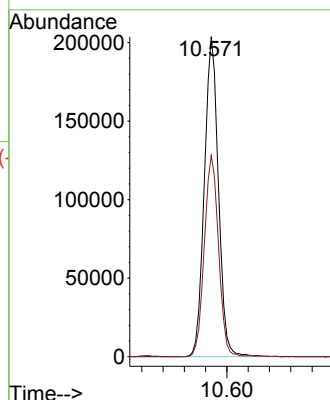
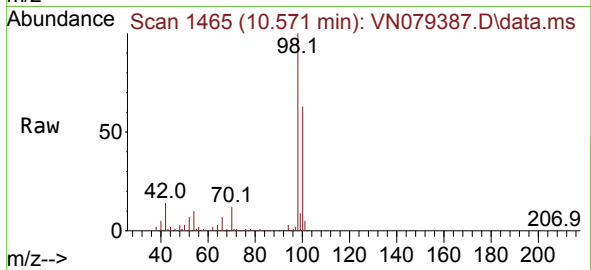




#50
Toluene-d8
Concen: 54.617 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

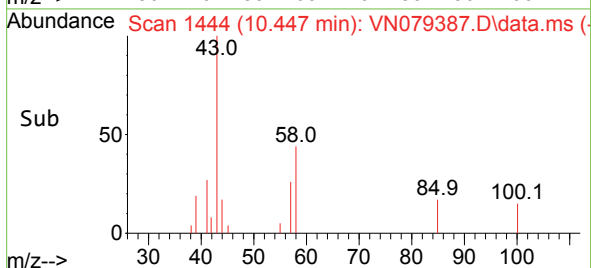
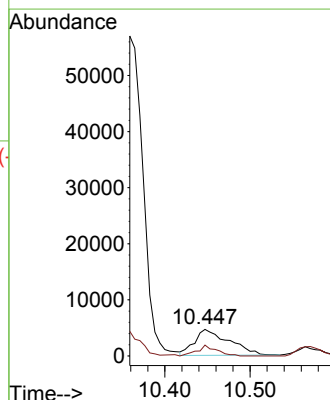
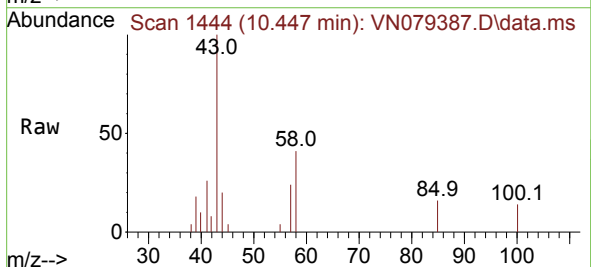
Instrument :
MSVOA_N
ClientSampleId :

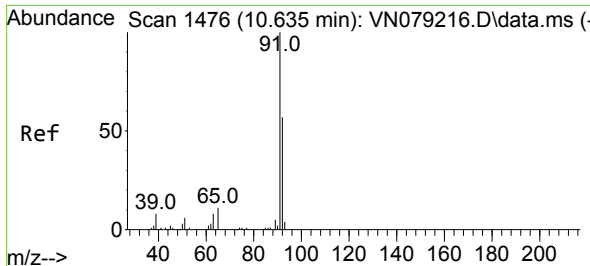
Tgt Ion: 98 Resp: 373275
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.838 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

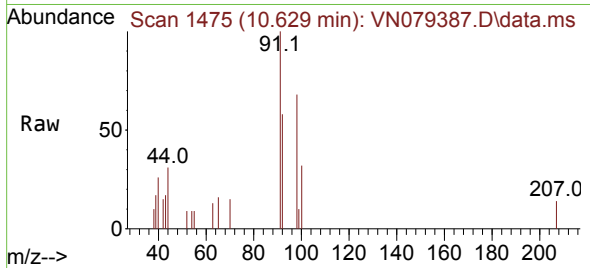
Tgt Ion: 43 Resp: 13113
Ion Ratio Lower Upper
43 100
58 23.5 36.6 54.8#



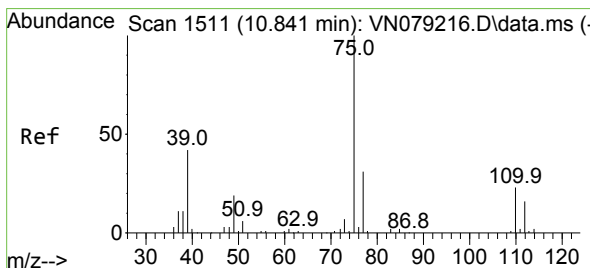
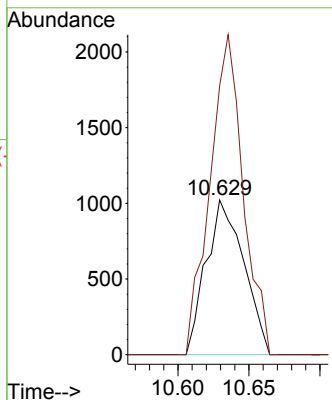
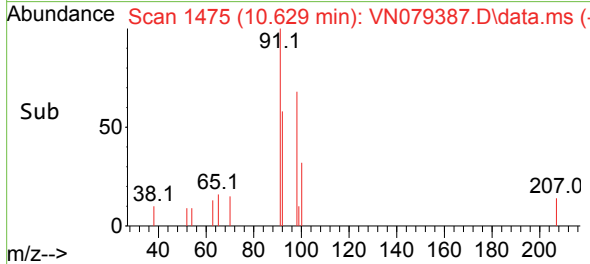


#52
Toluene
Concen: 0.349 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Instrument :
MSVOA_N
ClientSampleId :

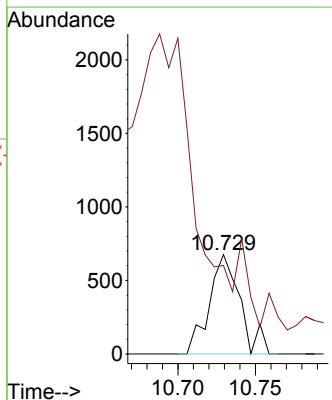
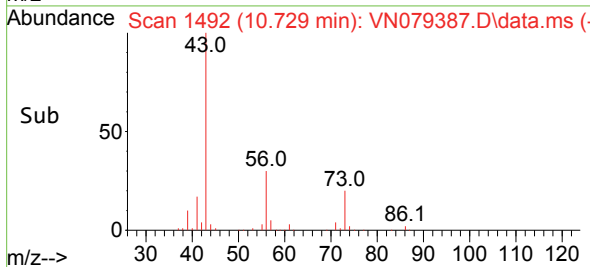
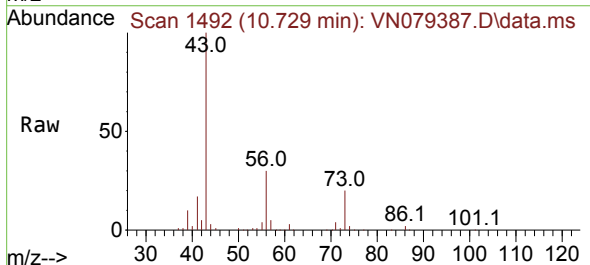


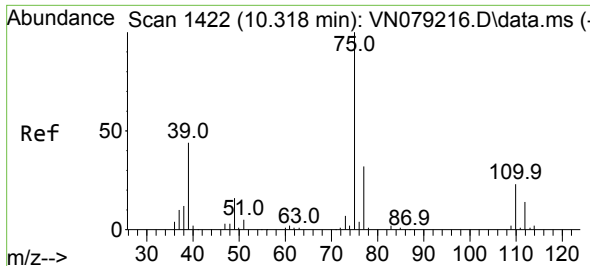
Tgt Ion: 92 Resp: 1885
Ion Ratio Lower Upper
92 100
91 183.1 137.4 206.0



#53
t-1,3-Dichloropropene
Concen: 0.291 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

Tgt Ion: 75 Resp: 931
Ion Ratio Lower Upper
75 100
77 52.1 25.4 38.0#

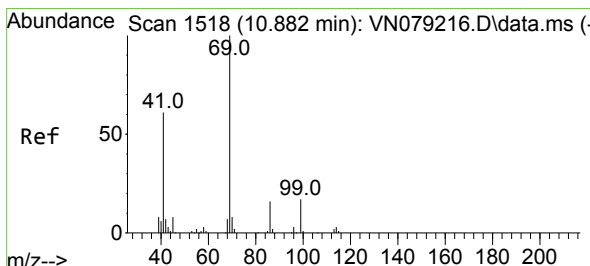
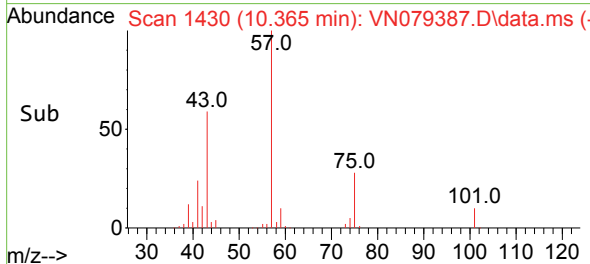
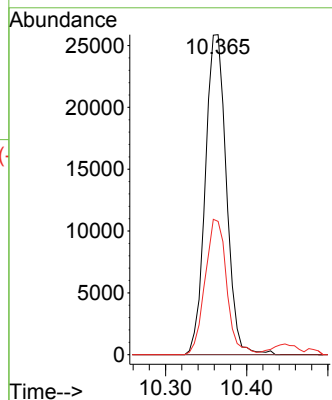
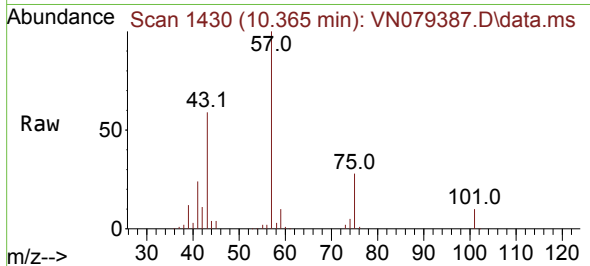




#54
 cis-1,3-Dichloropropene
 Concen: 13.646 ug/l
 RT: 10.365 min Scan# 14
 Delta R.T. 0.047 min
 Lab File: VN079387.D
 Acq: 30 Sep 2023 15:22

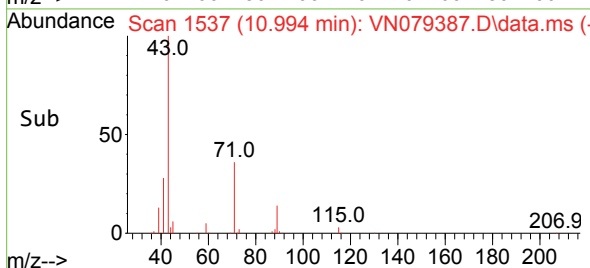
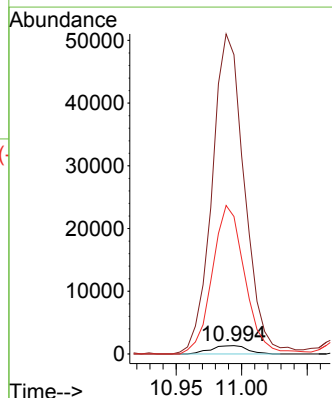
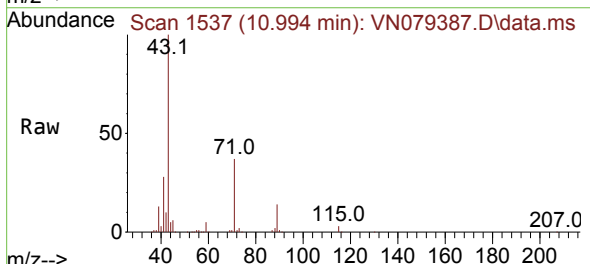
Instrument :
 MSVOA_N
 ClientSampleId :

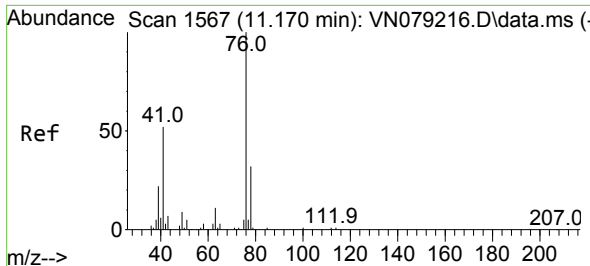
Tgt Ion: 75 Resp: 46641
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 41.7 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.858 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.117 min
 Lab File: VN079387.D
 Acq: 30 Sep 2023 15:22

Tgt Ion: 69 Resp: 2565
 Ion Ratio Lower Upper
 69 100
 41 3434.5 39.6 59.4#
 39 1604.4 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.652 ug/l

RT: 11.206 min Scan# 11

Delta R.T. 0.041 min

Lab File: VN079387.D

Acq: 30 Sep 2023 15:22

Instrument :

MSVOA_N

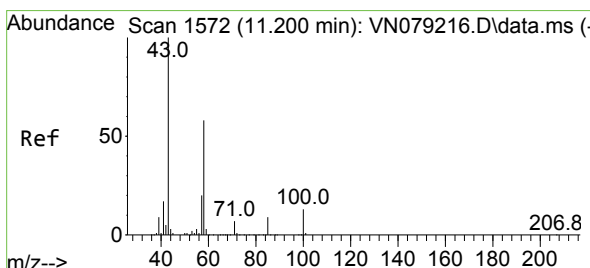
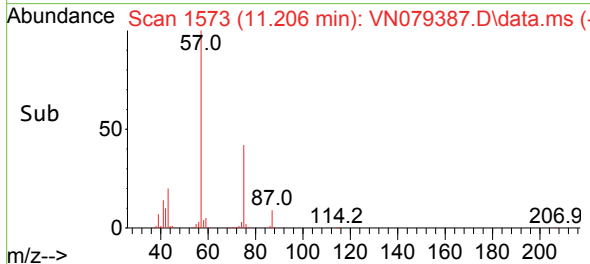
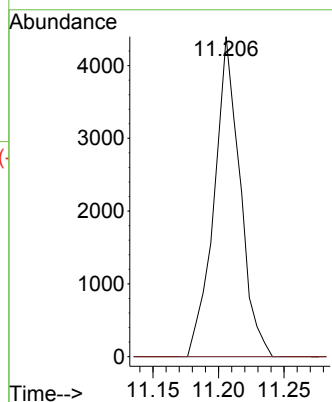
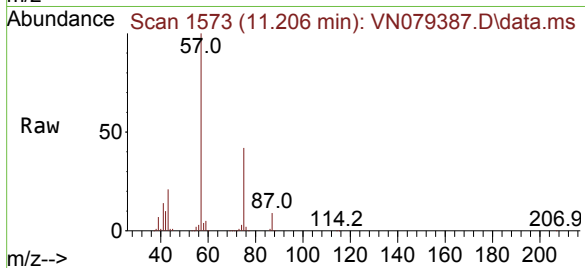
ClientSampleId :

Tgt Ion: 76 Resp: 6050

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 64.640 ug/l

RT: 11.176 min Scan# 1568

Delta R.T. -0.024 min

Lab File: VN079387.D

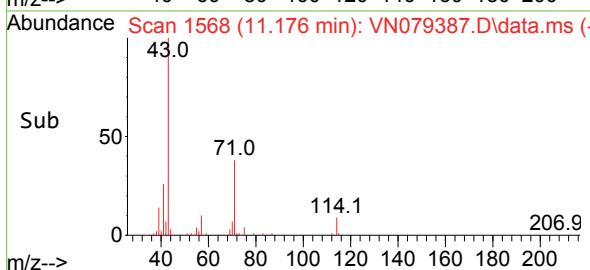
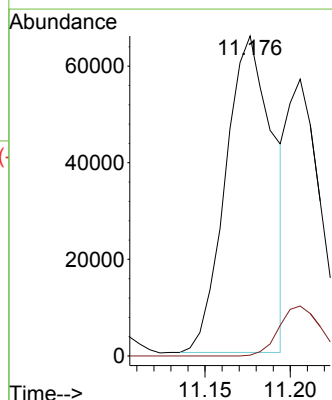
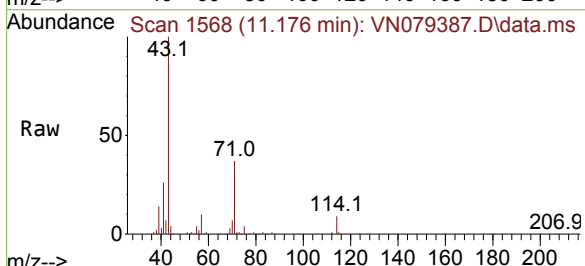
Acq: 30 Sep 2023 15:22

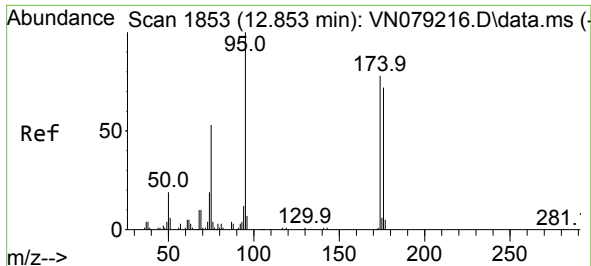
Tgt Ion: 43 Resp: 126899

Ion Ratio Lower Upper

43 100

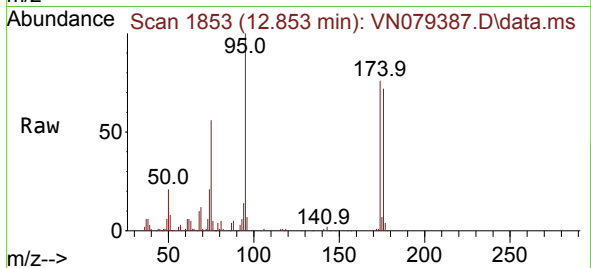
58 0.0 31.7 95.1#



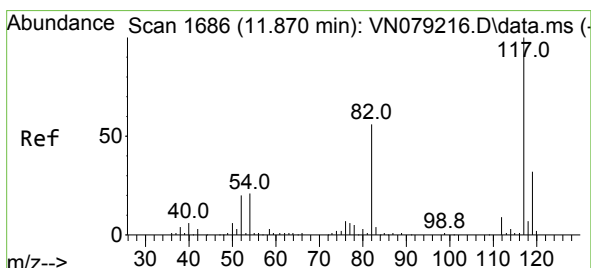
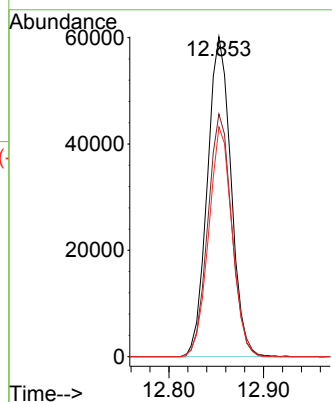
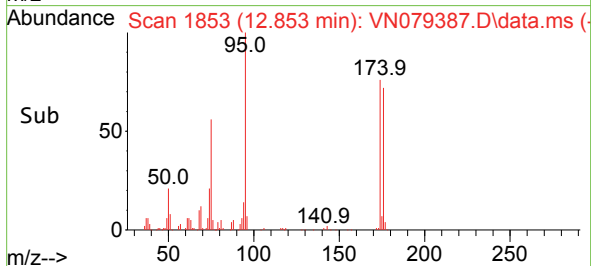


#62
4-Bromofluorobenzene
Concen: 47.687 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

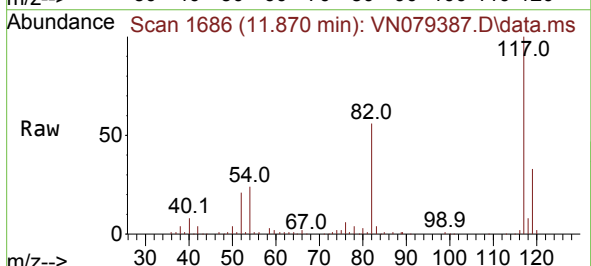
Instrument :
MSVOA_N
ClientSampleId :



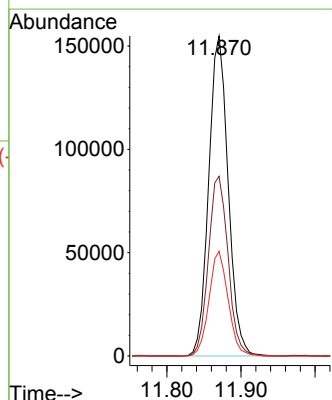
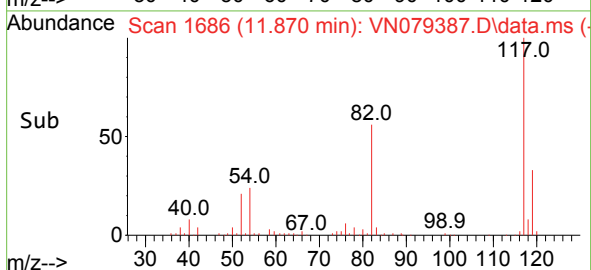
Tgt Ion: 95 Resp: 103960
Ion Ratio Lower Upper
95 100
174 77.1 0.0 143.8
176 71.5 0.0 135.8

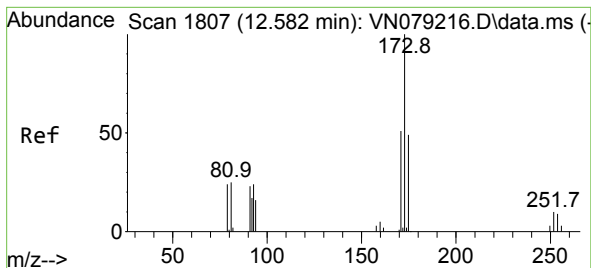


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.001 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22



Tgt Ion: 117 Resp: 282214
Ion Ratio Lower Upper
117 100
82 56.1 44.0 66.0
119 32.7 25.6 38.4





#71

Bromoform

Concen: 0.657 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.271 min

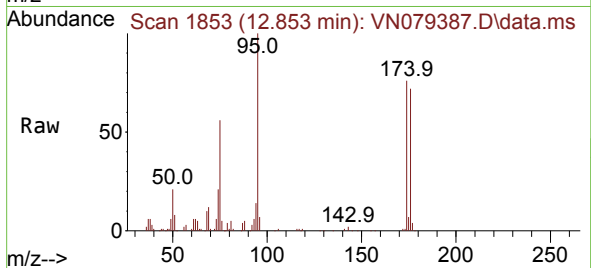
Lab File: VN079387.D

Acq: 30 Sep 2023 15:22

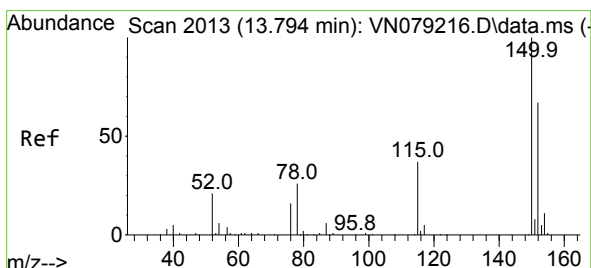
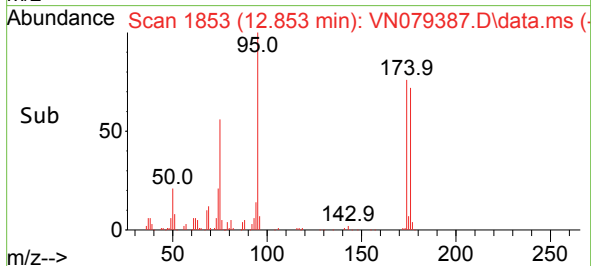
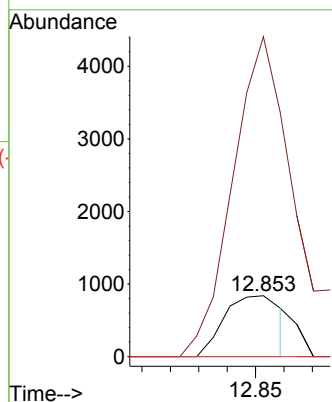
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	173	Resp:	1163
Ion Ratio	Lower	Upper	
173	100		
175	448.0	24.3	73.0#
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

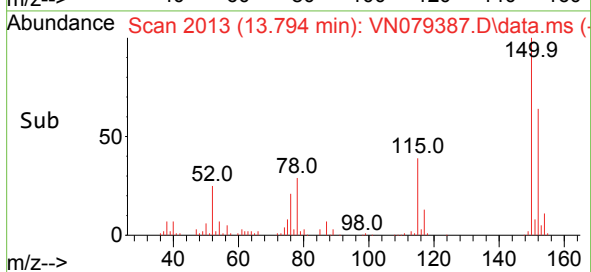
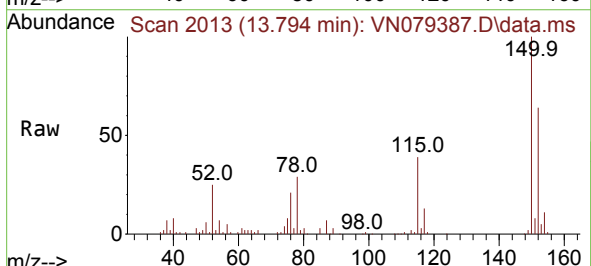
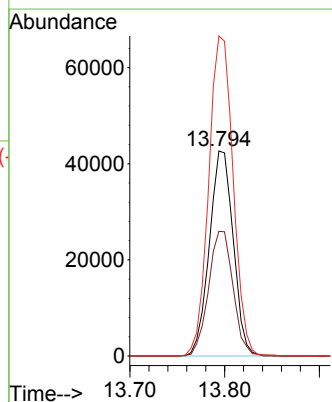
RT: 13.794 min Scan# 2013

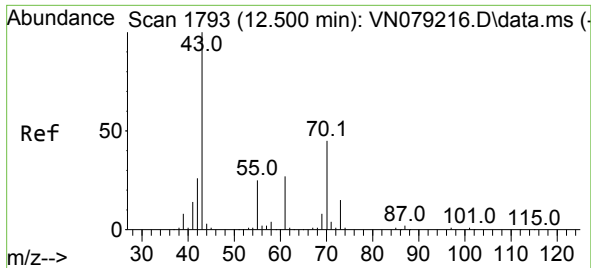
Delta R.T. -0.000 min

Lab File: VN079387.D

Acq: 30 Sep 2023 15:22

Tgt Ion:	152	Resp:	74969
Ion Ratio	Lower	Upper	
152	100		
115	62.2	32.3	96.8
150	159.3	0.0	355.8

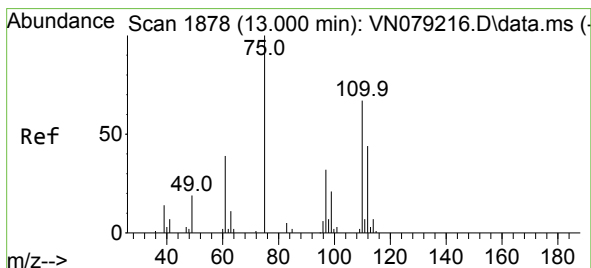
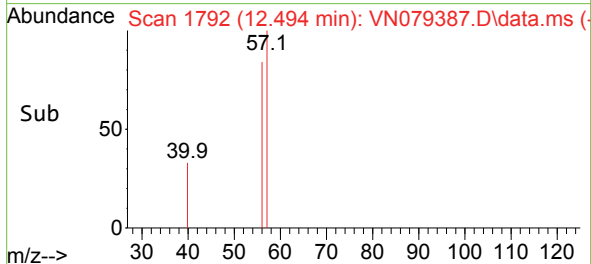
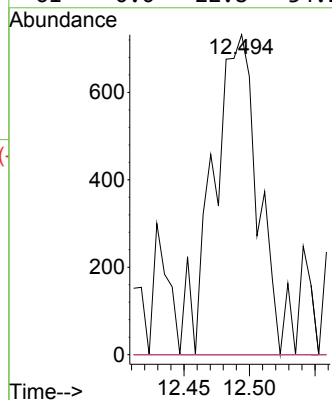
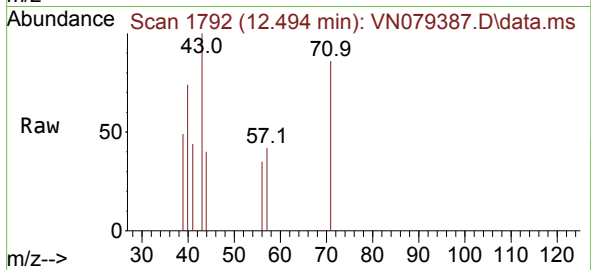




#74
N-amy1 acetate
Concen: 0.665 ug/l
RT: 12.494 min Scan# 1722
Delta R.T. -0.006 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

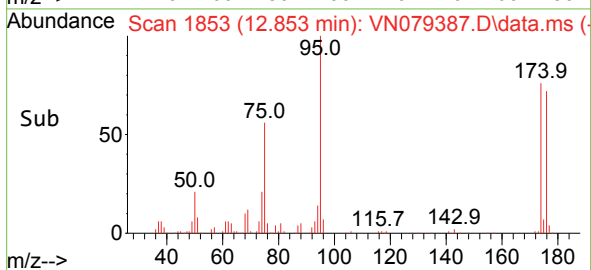
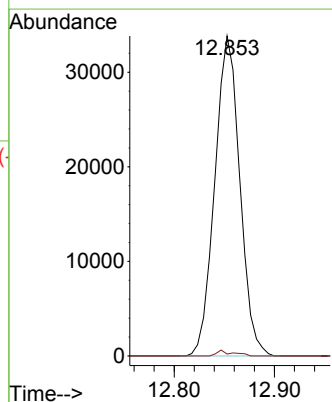
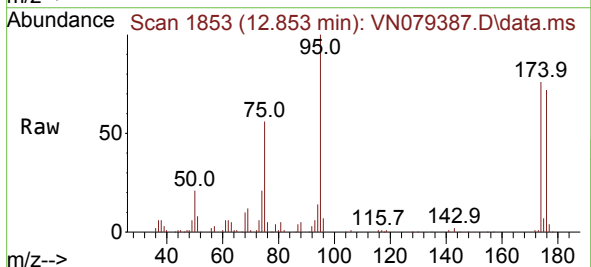
Instrument :
MSVOA_N
ClientSampleId :

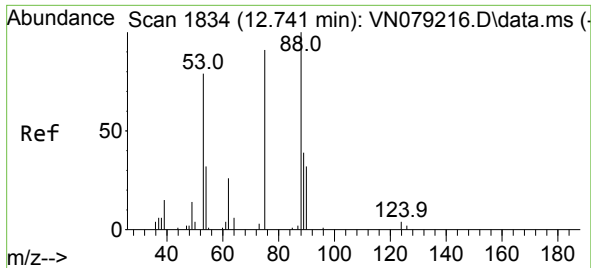
Tgt Ion: 43 Resp: 1722
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 29.015 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079387.D
Acq: 30 Sep 2023 15:22

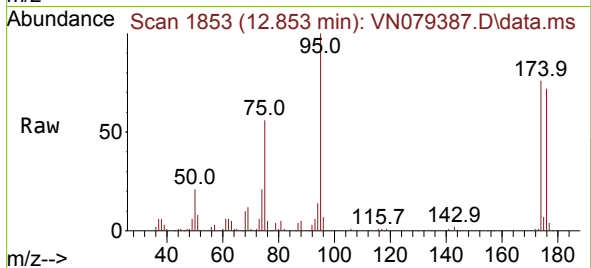
Tgt Ion: 75 Resp: 58625
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.768 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079387.D
 Acq: 30 Sep 2023 15:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 58625
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

