

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079391.D
 Acq On : 30 Sep 2023 16:58
 Operator : JC\MD
 Sample : PB155992ZHE#11
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:58:26 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)

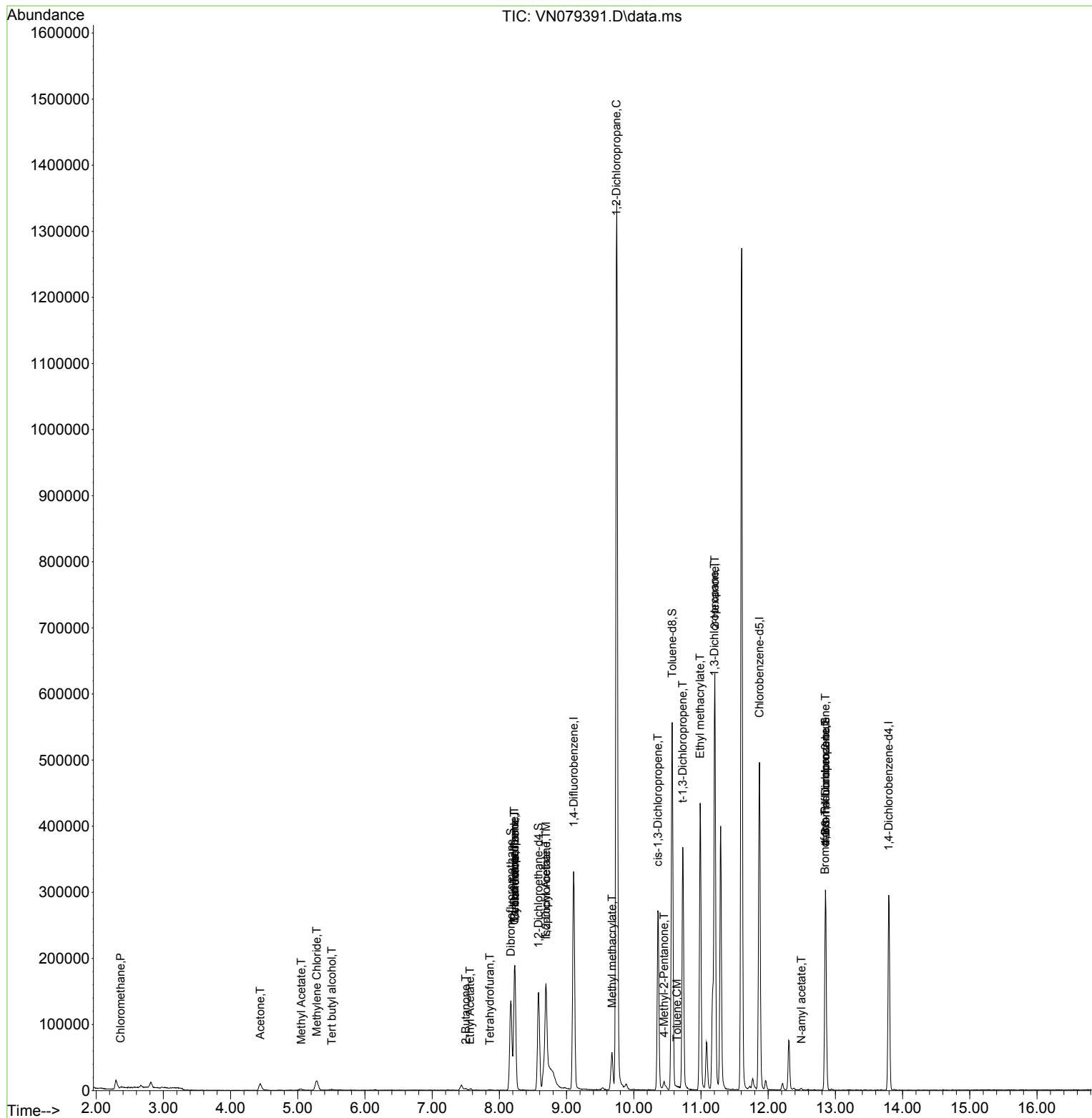
Internal Standards						
1) Pentafluorobenzene	8.230	168	135188	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	277244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	280227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	76101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	117681	64.486	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 128.980%#	
35) Dibromofluoromethane	8.171	113	97431	52.832	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.660%	
50) Toluene-d8	10.571	98	370326	54.689	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.380%	
62) 4-Bromofluorobenzene	12.853	95	101324	46.910	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.820%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	427	0.243	ug/l	90
6) Chloroethane	3.136	64	204	Below Cal	#	43
11) Tert butyl alcohol	5.506	59	575	1.707	ug/l #	72
16) Acetone	4.442	43	19188	24.757	ug/l	90
18) Methyl Acetate	5.053	43	4252	1.335	ug/l #	72
20) Methylene Chloride	5.283	84	11384	6.036	ug/l #	89
25) 2-Butanone	7.500	43	4837	4.301	ug/l #	73
29) Tetrahydrofuran	7.859	42	575	0.803	ug/l #	20
31) Cyclohexane	8.230	56	3813	1.431	ug/l #	40
36) 1,1-Dichloropropene	8.224	75	13114	4.613	ug/l #	47
37) Ethyl Acetate	7.565	43	3611	1.274	ug/l #	69
38) Carbon Tetrachloride	8.224	117	13844	4.706	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	726	0.242	ug/l #	73
43) Isopropyl Acetate	8.694	43	217772	47.073	ug/l #	70
45) 1,2-Dichloropropane	9.741	63	1679	0.777	ug/l #	45
48) Methyl methacrylate	9.677	41	4087	1.972	ug/l #	3
51) 4-Methyl-2-Pentanone	10.453	43	12228	4.553	ug/l #	68
52) Toluene	10.641	92	1426	0.267	ug/l	93
53) t-1,3-Dichloropropene	10.729	75	876	0.277	ug/l #	56
54) cis-1,3-Dichloropropene	10.359	75	47252	13.953	ug/l #	72
56) Ethyl methacrylate	10.988	69	2094	0.707	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	6007	1.656	ug/l #	42
59) 2-Hexanone	11.206	43	77256	39.719	ug/l #	49
71) Bromoform	12.847	173	659	0.375	ug/l #	1
74) N-amyl acetate	12.494	43	1394	0.531	ug/l #	43
76) 1,2,3-Trichloropropane	12.853	75	58966	28.750	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	58966	79.039	ug/l #	15

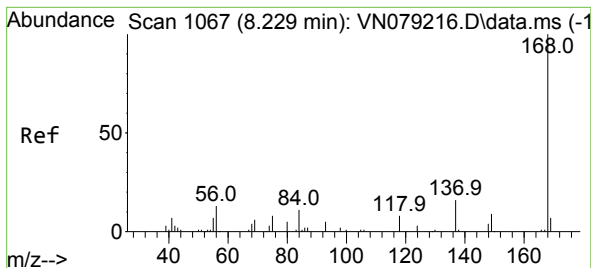
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

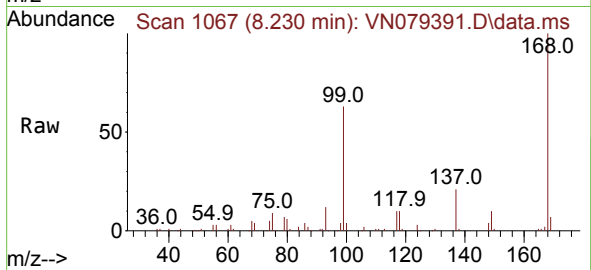
Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

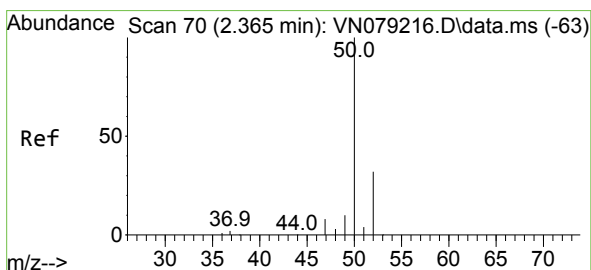
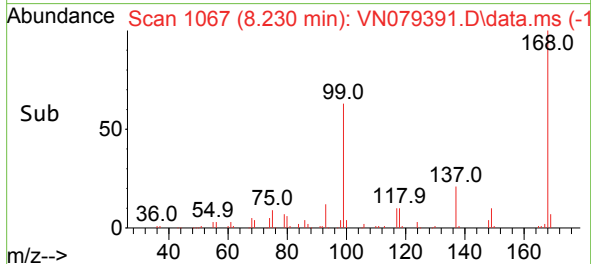
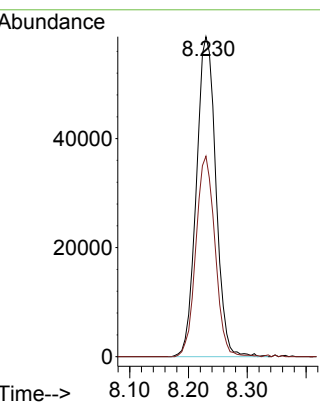


Tgt Ion:168 Resp: 135188

Ion Ratio Lower Upper

168 100

99 62.6 53.0 79.6



#3

Chloromethane

Concen: 0.243 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN079391.D

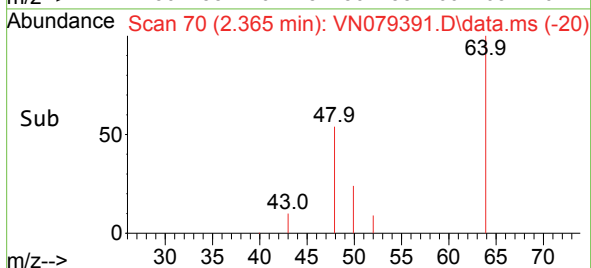
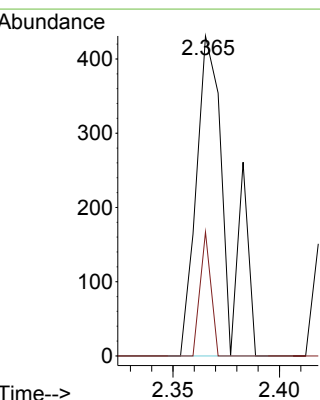
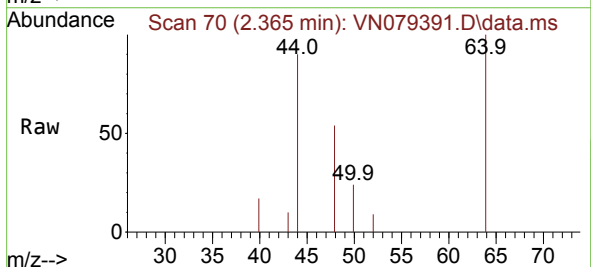
Acq: 30 Sep 2023 16:58

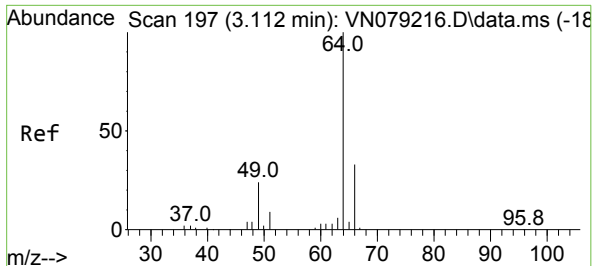
Tgt Ion: 50 Resp: 427

Ion Ratio Lower Upper

50 100

52 38.7 26.5 39.7

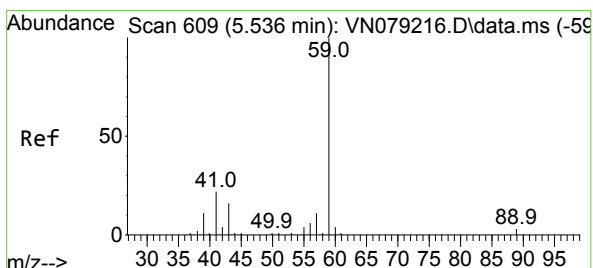
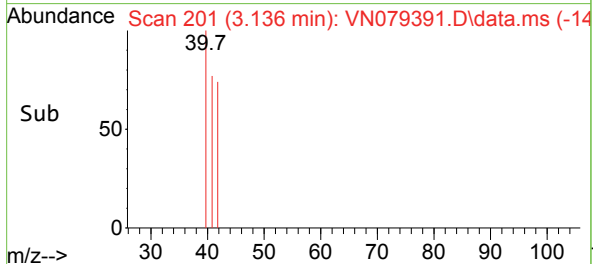
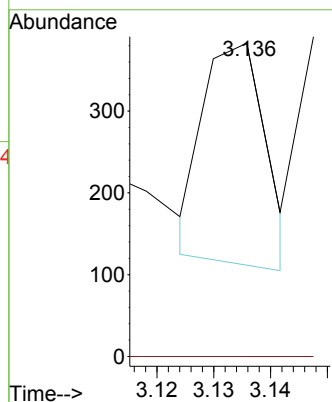
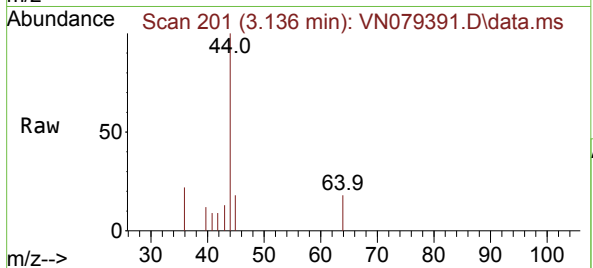




#6
Chloroethane
Concen: Below Cal
RT: 3.136 min Scan# 201
Delta R.T. 0.018 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

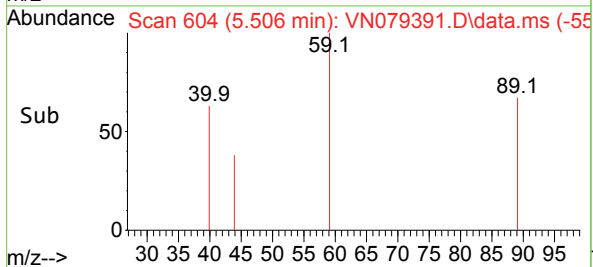
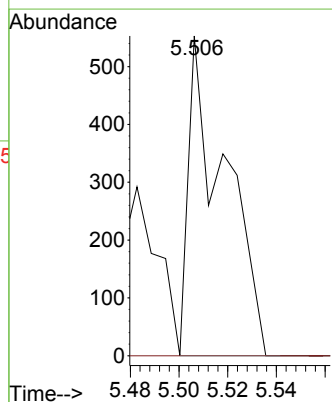
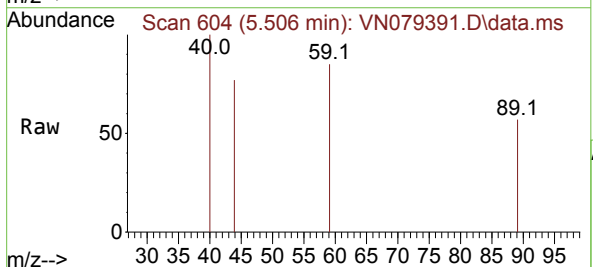
Instrument :
MSVOA_N
ClientSampleId :

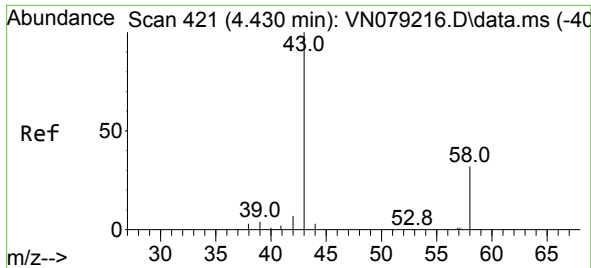
Tgt Ion: 64 Resp: 204
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 1.707 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.036 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

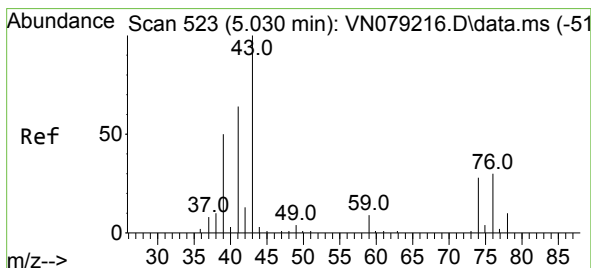
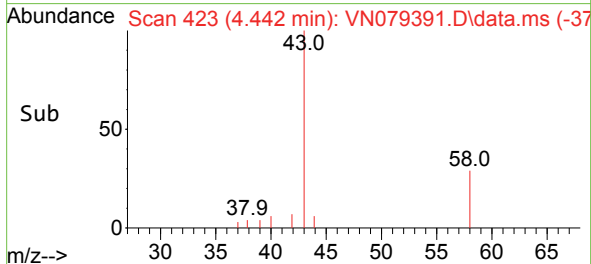
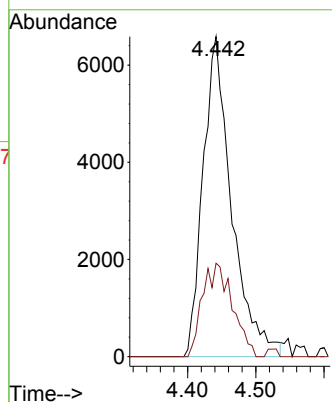
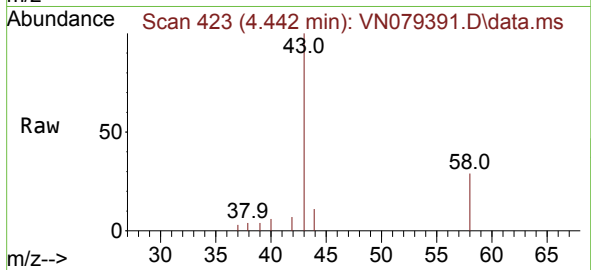




#16
Acetone
Concen: 24.757 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

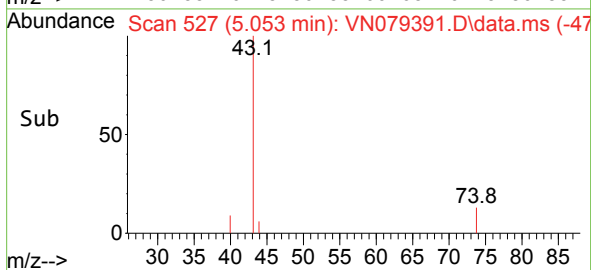
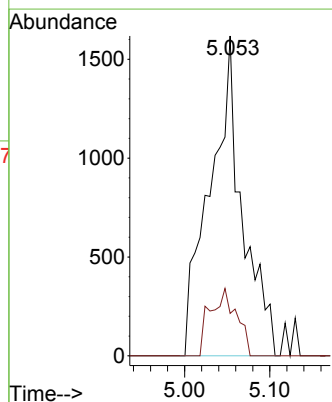
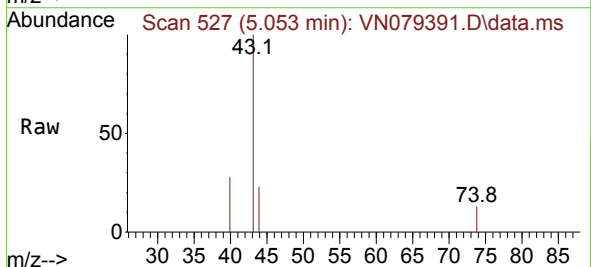
Instrument :
MSVOA_N
ClientSampleId :

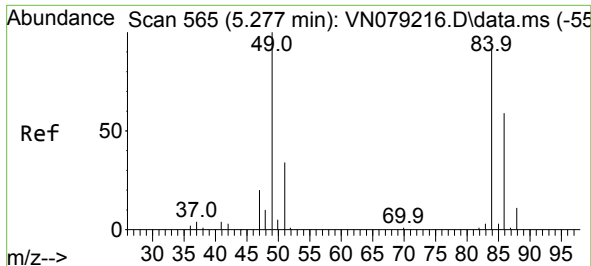
Tgt Ion: 43 Resp: 19188
Ion Ratio Lower Upper
43 100
58 29.2 28.0 42.0



#18
Methyl Acetate
Concen: 1.335 ug/l
RT: 5.053 min Scan# 527
Delta R.T. 0.011 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

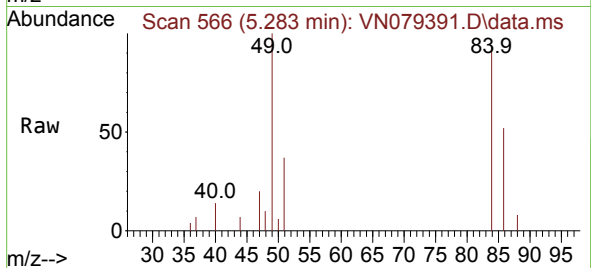
Tgt Ion: 43 Resp: 4252
Ion Ratio Lower Upper
43 100
74 17.2 26.2 39.4#



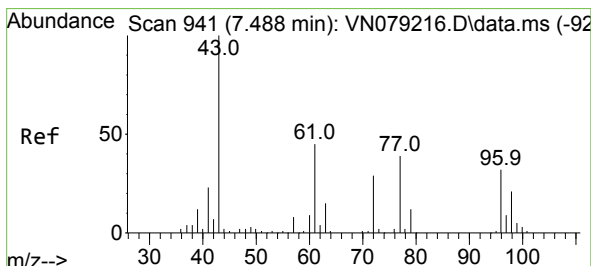
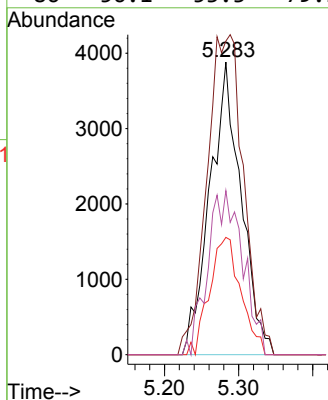
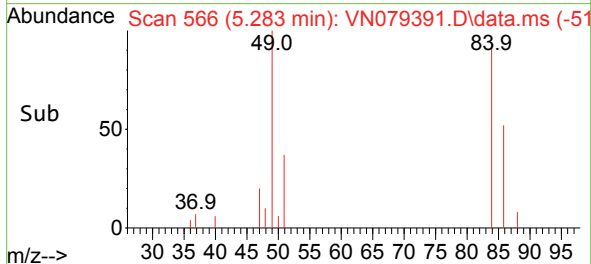


#20
Methylene Chloride
Concen: 6.036 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

Instrument :
MSVOA_N
ClientSampleId :

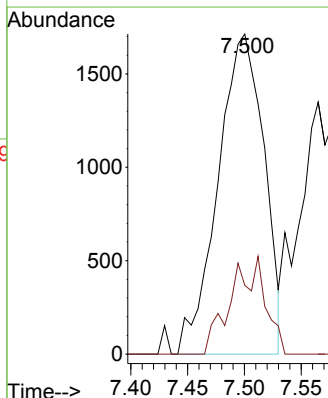
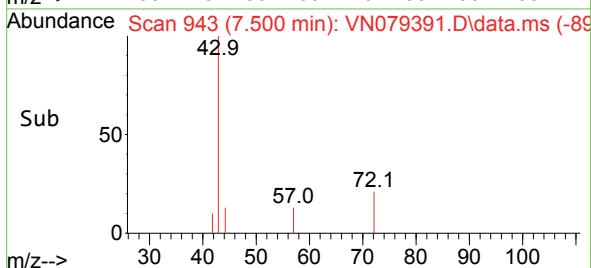
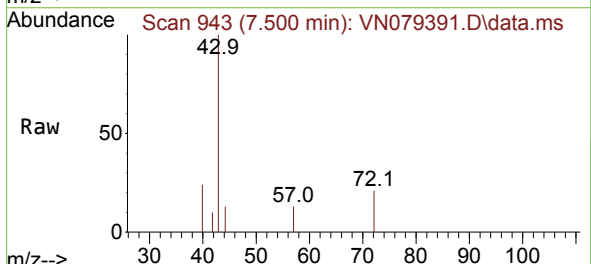


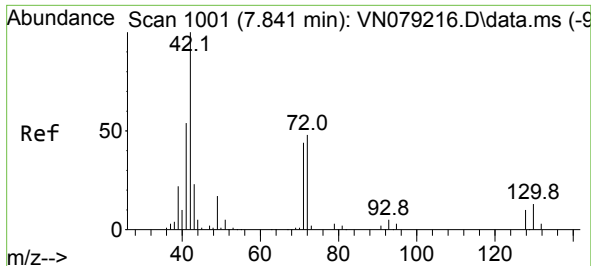
Tgt Ion:	84	Resp:	11384
Ion	Ratio	Lower	Upper
84	100		
49	107.1	79.7	119.5
51	40.1	25.2	37.8#
86	56.1	53.3	79.9



#25
2-Butanone
Concen: 4.301 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

Tgt Ion:	43	Resp:	4837
Ion	Ratio	Lower	Upper
43	100		
72	21.5	30.2	45.2#





#29

Tetrahydrofuran

Concen: 0.803 ug/l

RT: 7.859 min Scan# 1004

Delta R.T. 0.012 min

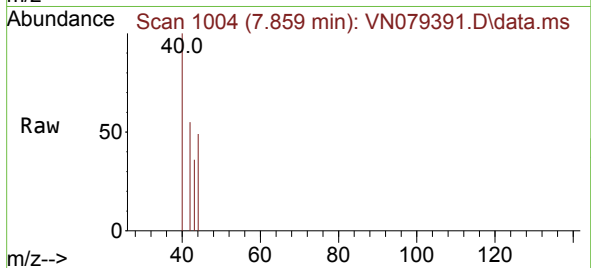
Lab File: VN079391.D

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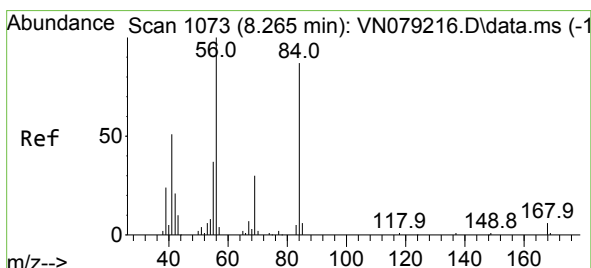
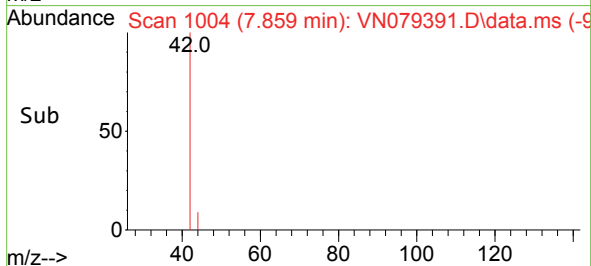
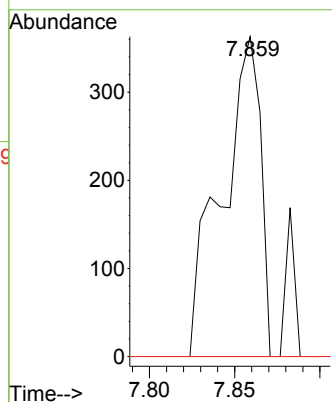
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 42	Resp: 575
Ion Ratio	Lower Upper
42	100
72	0.0 49.8 74.6#
71	0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.431 ug/l

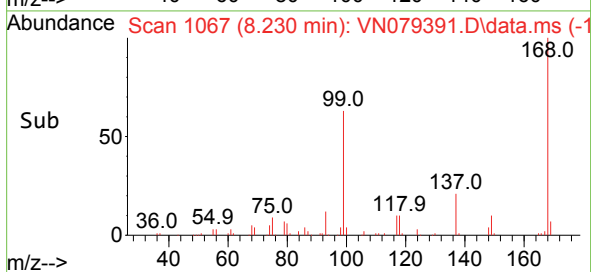
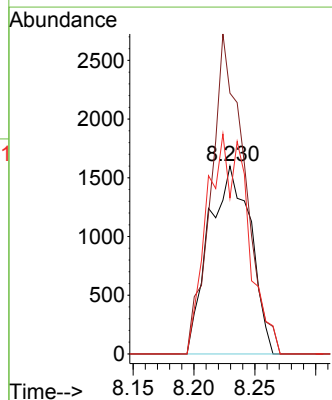
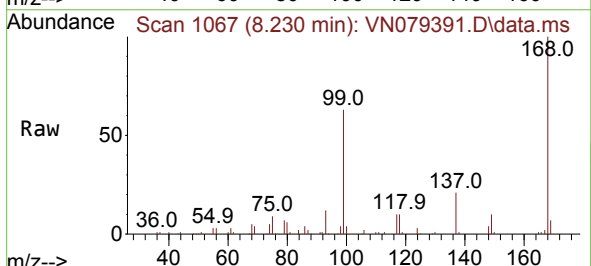
RT: 8.230 min Scan# 1067

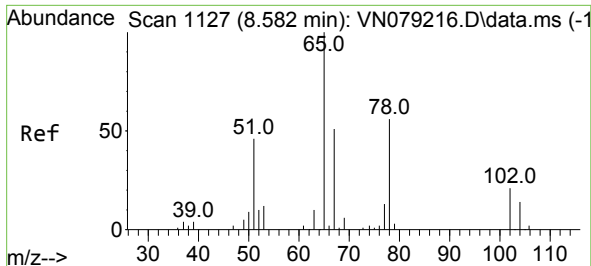
Delta R.T. -0.035 min

Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

Tgt Ion: 56	Resp: 3813
Ion Ratio	Lower Upper
56	100
69	138.9 26.8 40.2#
84	83.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 64.486 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

Instrument :

MSVOA_N

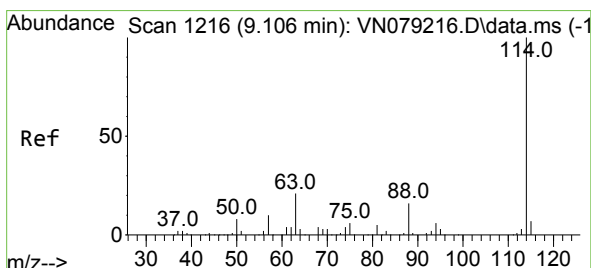
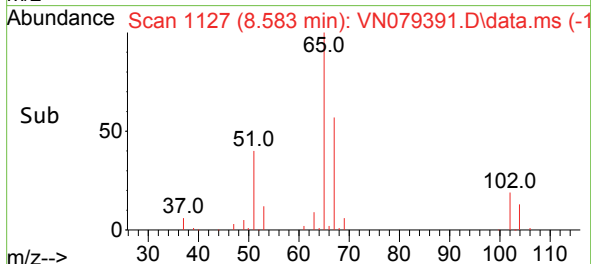
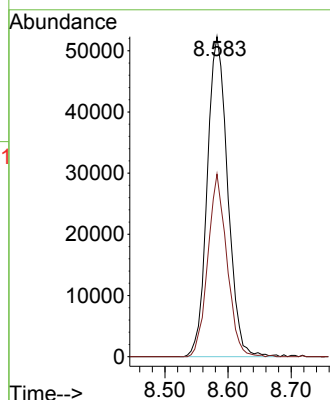
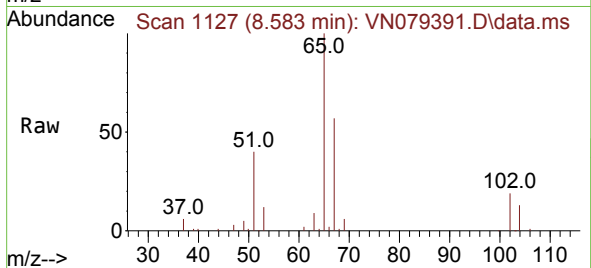
ClientSampleId :

Tgt Ion: 65 Resp: 117681

Ion Ratio Lower Upper

65 100

67 53.2 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: VN079391.D

Acq: 30 Sep 2023 16:58

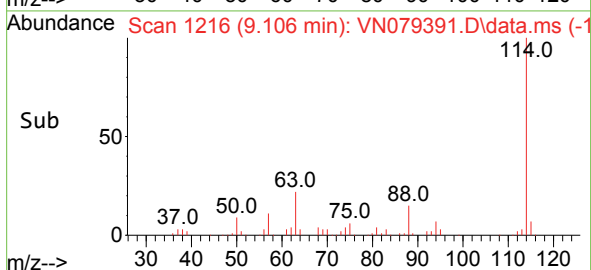
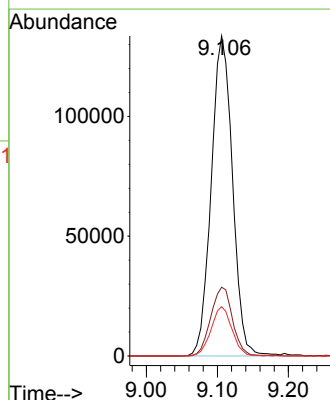
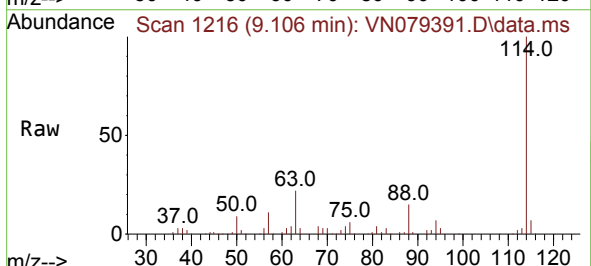
Tgt Ion: 114 Resp: 277244

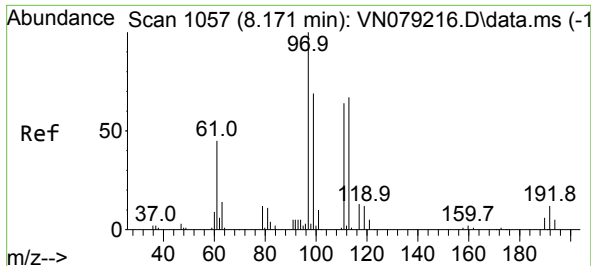
Ion Ratio Lower Upper

114 100

63 21.5 0.0 36.4

88 15.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 52.832 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

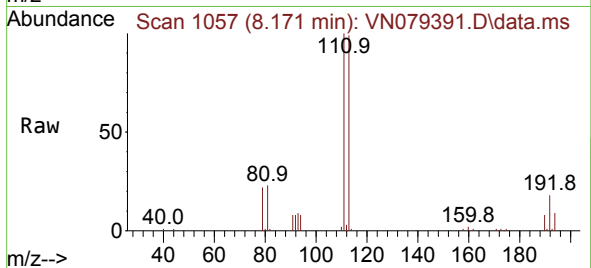
Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :



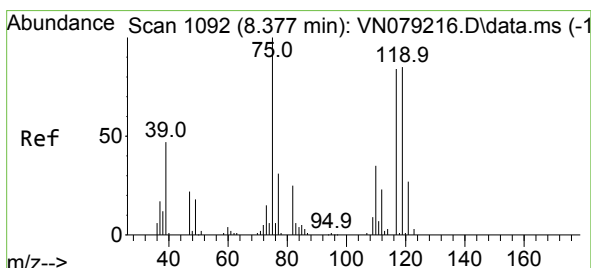
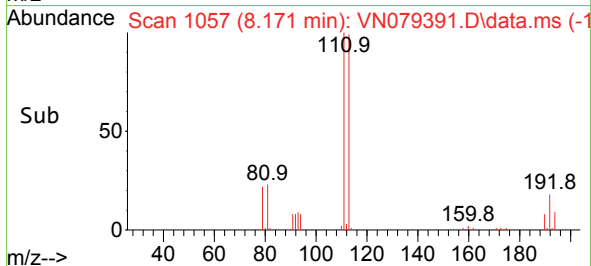
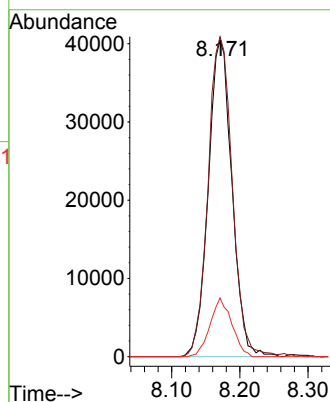
Tgt Ion:113 Resp: 97431

Ion Ratio Lower Upper

113 100

111 103.8 82.6 123.8

192 17.1 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.613 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

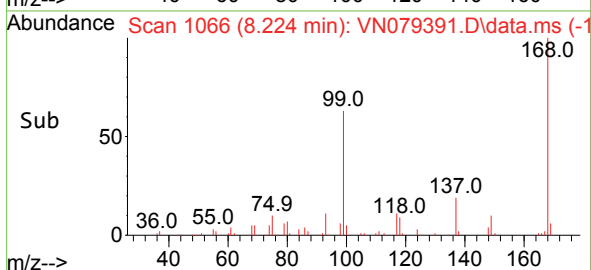
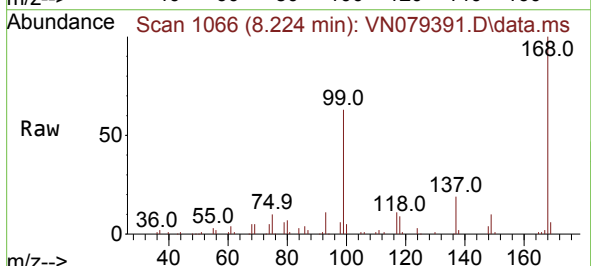
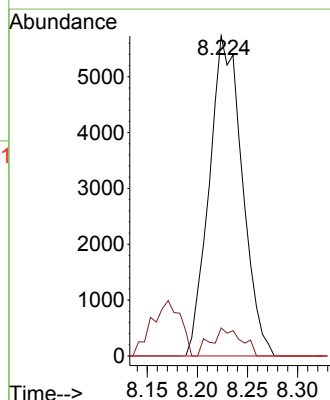
Tgt Ion: 75 Resp: 13114

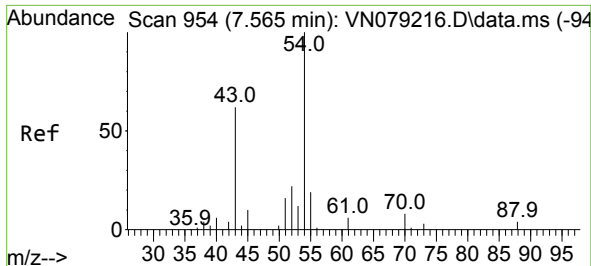
Ion Ratio Lower Upper

75 100

110 7.9 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 1.274 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

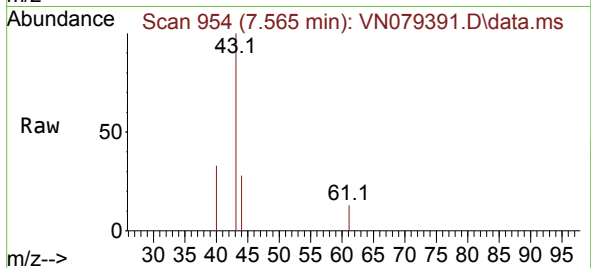
Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

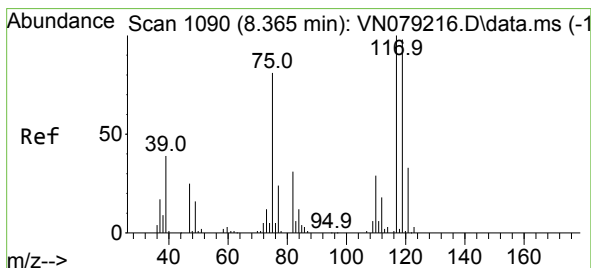
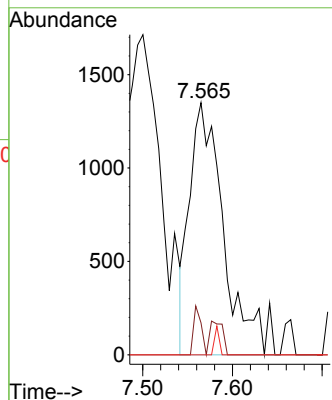
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43	Resp: 3611
Ion Ratio	Lower Upper
43	100
61	4.2 13.2 19.8#
70	0.0 11.3 16.9#



#38

Carbon Tetrachloride

Concen: 4.706 ug/l

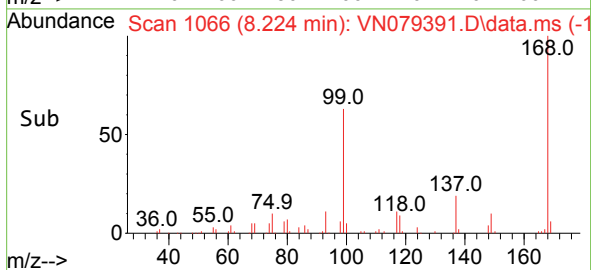
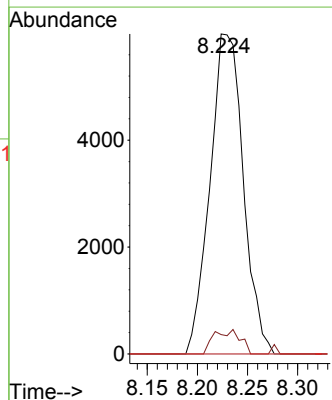
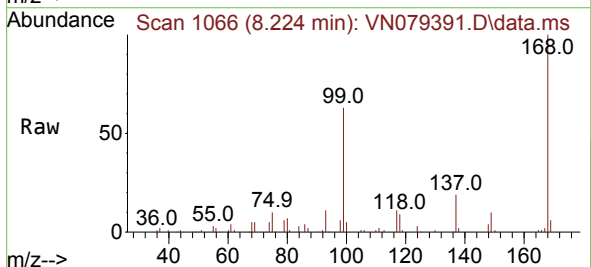
RT: 8.224 min Scan# 1066

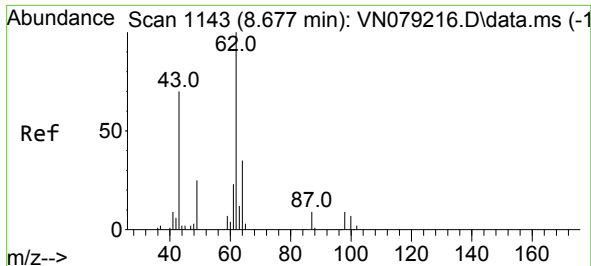
Delta R.T. -0.147 min

Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

Tgt Ion: 117	Resp: 13844
Ion Ratio	Lower Upper
117	100
119	6.1 77.3 115.9#
121	0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.242 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.017 min

Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

Instrument :

MSVOA_N

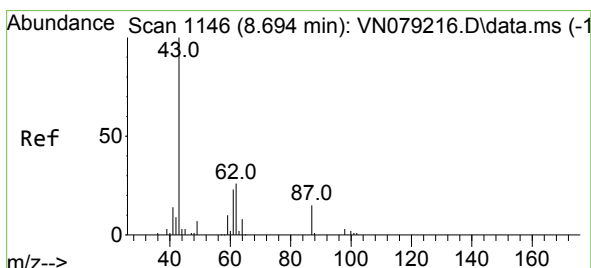
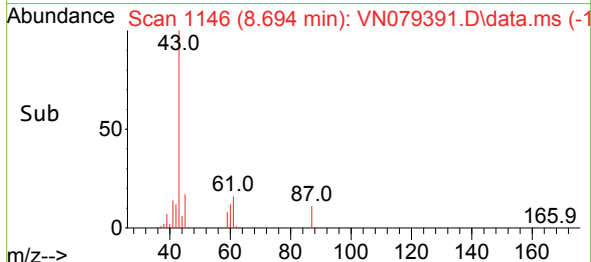
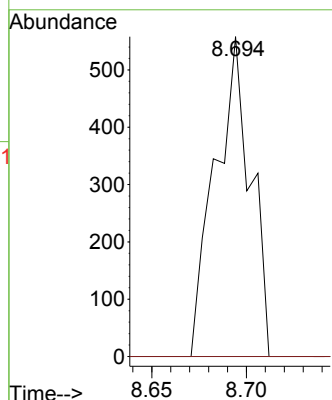
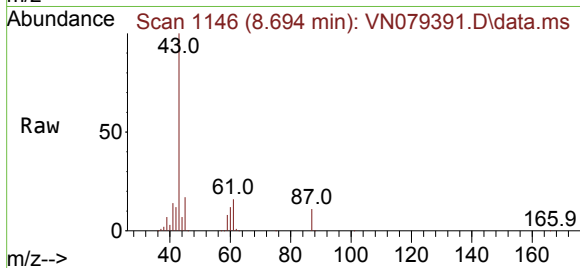
ClientSampleId :

Tgt Ion: 62 Resp: 726

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 47.073 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

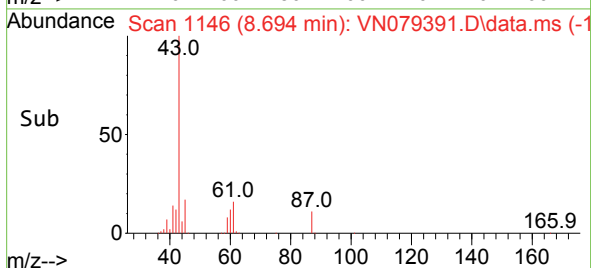
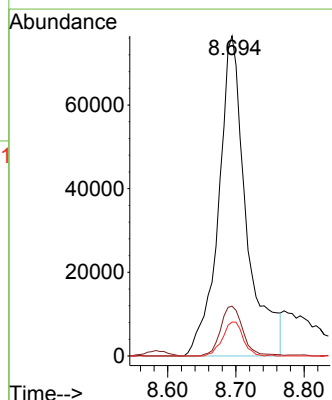
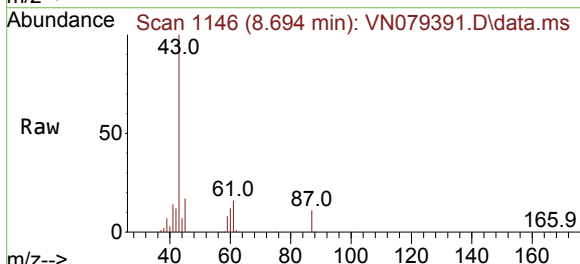
Tgt Ion: 43 Resp: 217772

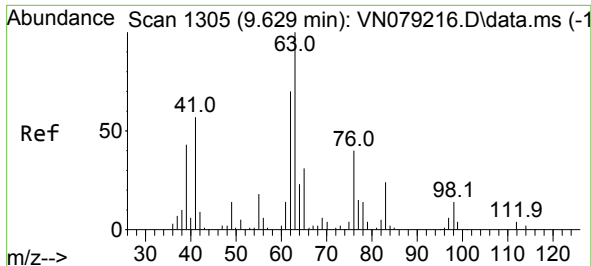
Ion Ratio Lower Upper

43 100

61 12.5 24.7 37.1#

87 7.8 14.6 21.8#

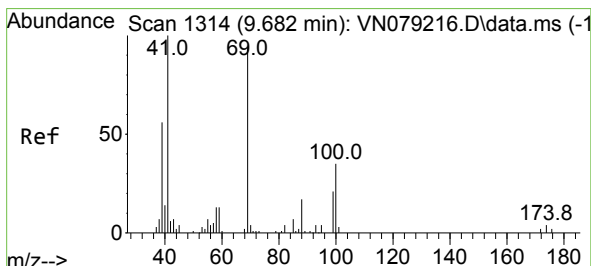
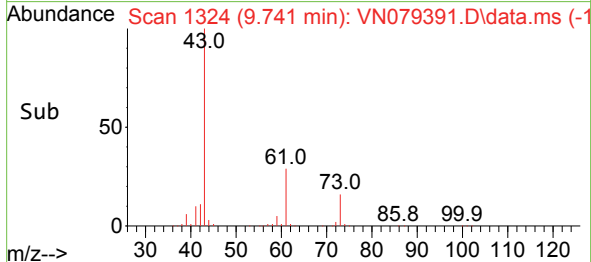
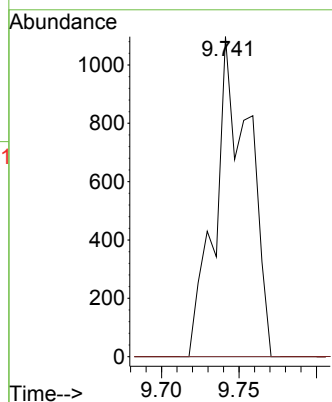
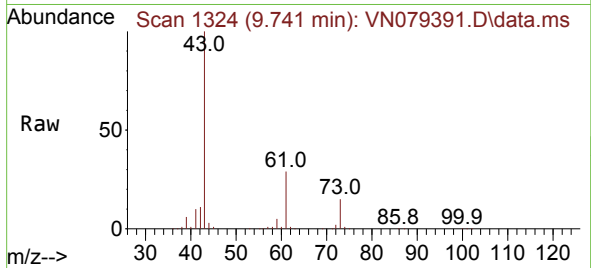




#45
1,2-Dichloropropane
Concen: 0.777 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

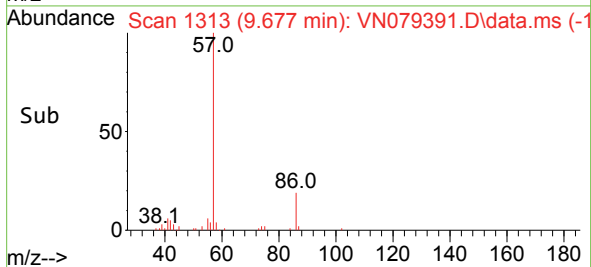
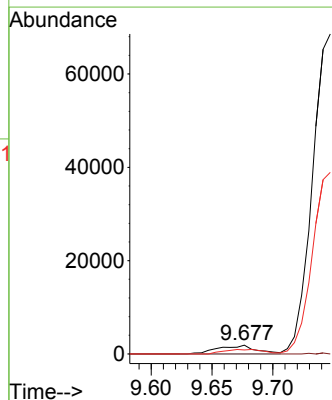
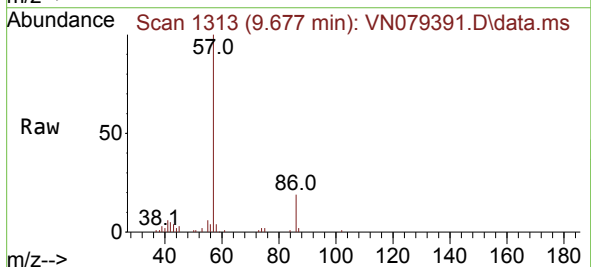
Instrument :
MSVOA_N
ClientSampleId :

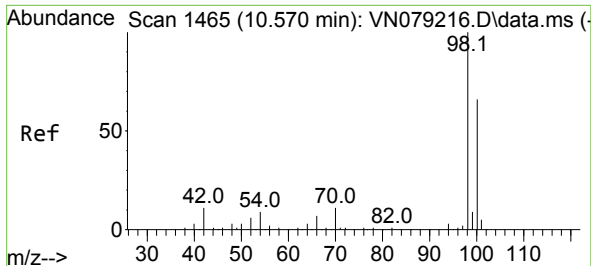
Tgt Ion: 63 Resp: 1679
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.972 ug/l
RT: 9.677 min Scan# 1313
Delta R.T. -0.011 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

Tgt Ion: 41 Resp: 4087
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#

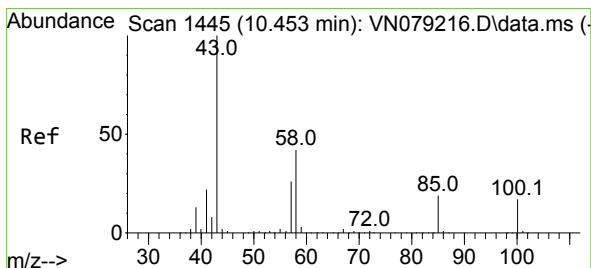
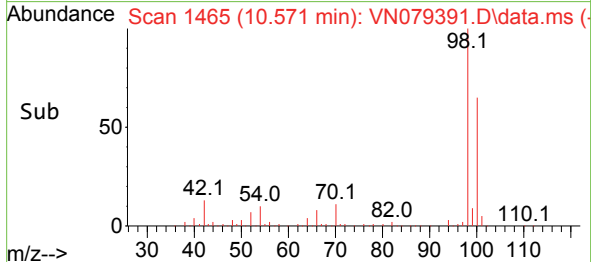
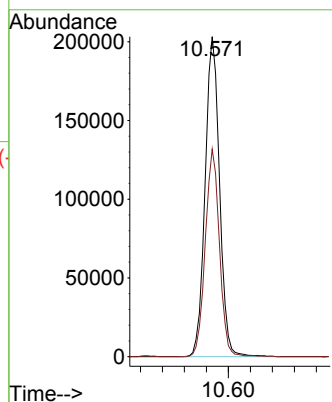
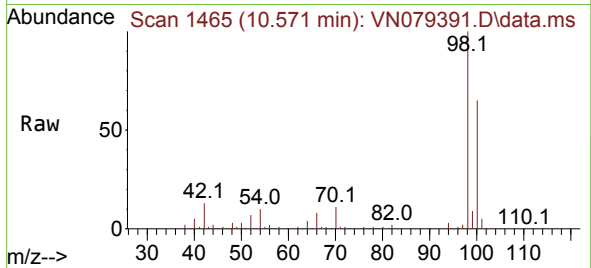




#50
Toluene-d8
Concen: 54.689 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

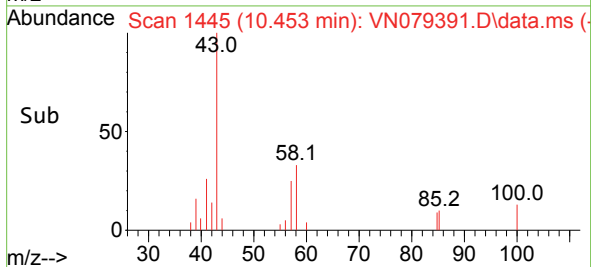
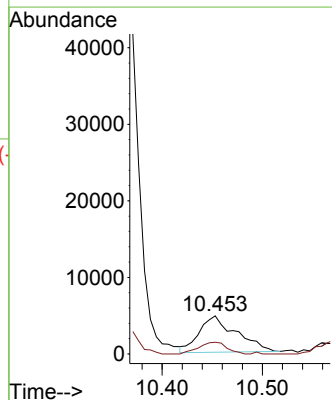
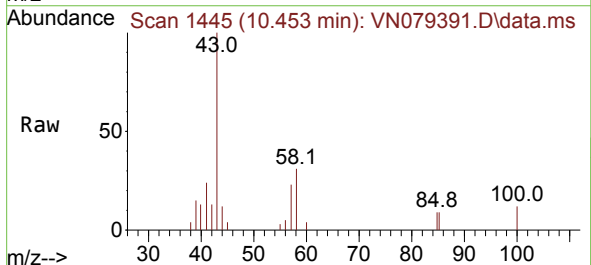
Instrument :
MSVOA_N
ClientSampleId :

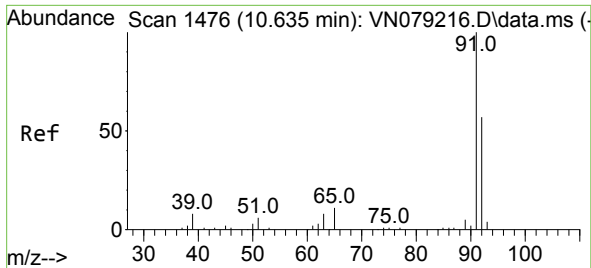
Tgt Ion: 98 Resp: 370326
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.553 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

Tgt Ion: 43 Resp: 12228
Ion Ratio Lower Upper
43 100
58 24.5 36.6 54.8#

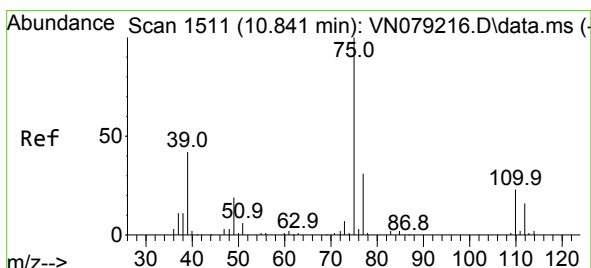
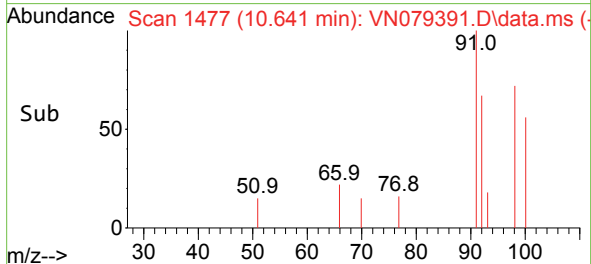
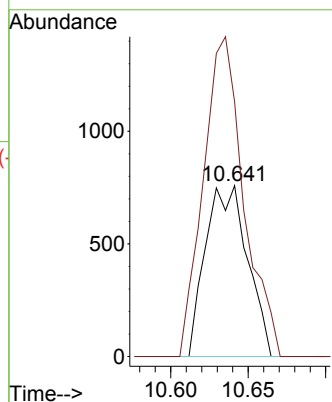
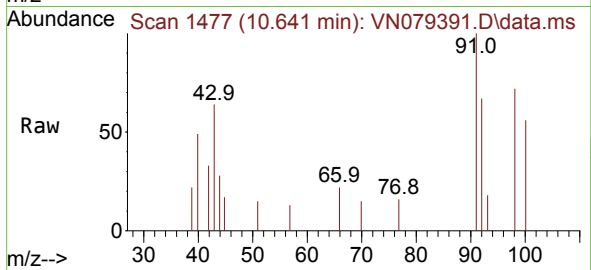




#52
Toluene
Concen: 0.267 ug/l
RT: 10.641 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

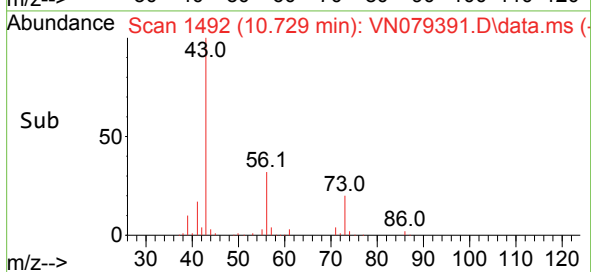
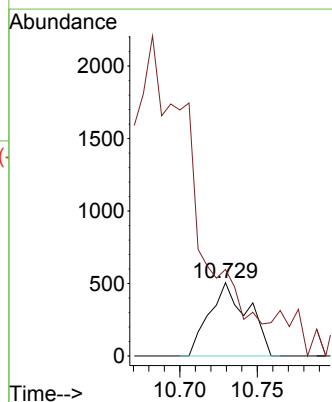
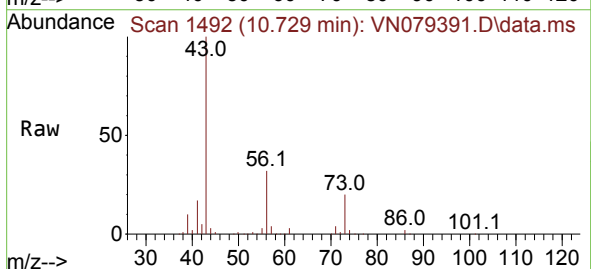
Instrument :
MSVOA_N
ClientSampleId :

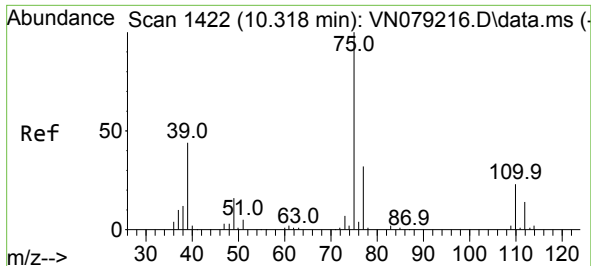
Tgt Ion: 92 Resp: 1426
Ion Ratio Lower Upper
92 100
91 180.7 137.4 206.0



#53
t-1,3-Dichloropropene
Concen: 0.277 ug/l
RT: 10.729 min Scan# 1492
Delta R.T. -0.112 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

Tgt Ion: 75 Resp: 876
Ion Ratio Lower Upper
75 100
77 55.9 25.4 38.0#

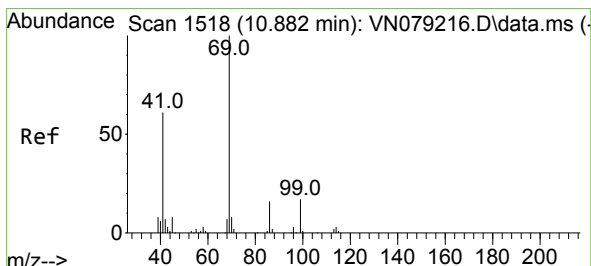
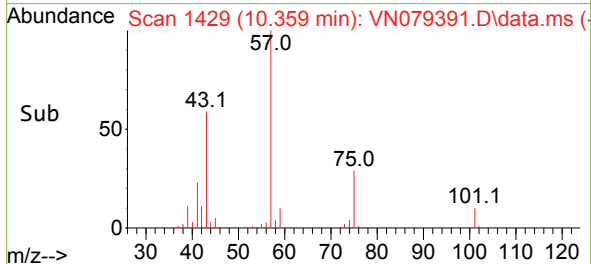
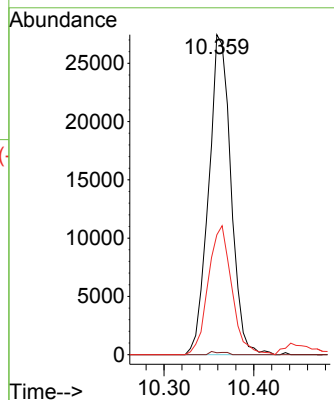
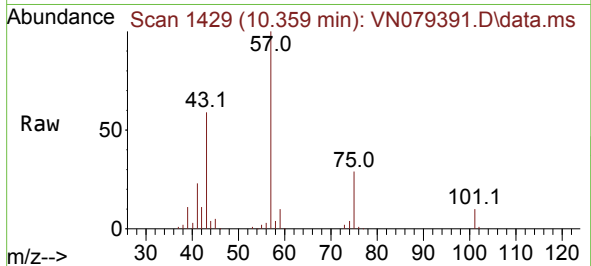




#54
 cis-1,3-Dichloropropene
 Concen: 13.953 ug/l
 RT: 10.359 min Scan# 1422
 Delta R.T. 0.041 min
 Lab File: VN079391.D
 Acq: 30 Sep 2023 16:58

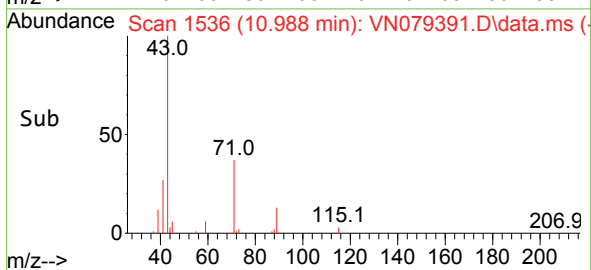
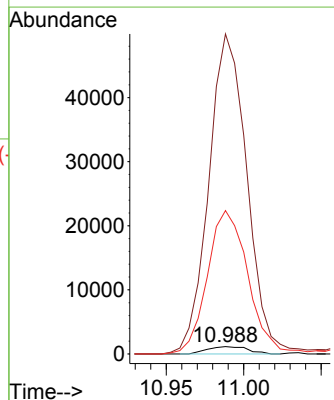
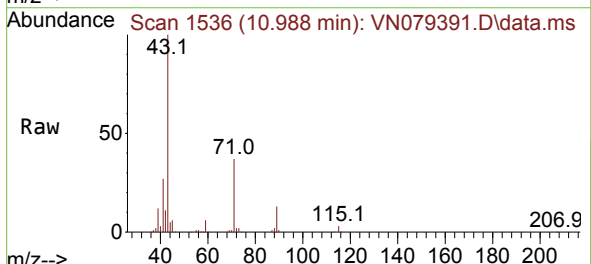
Instrument :
 MSVOA_N
 ClientSampleId :

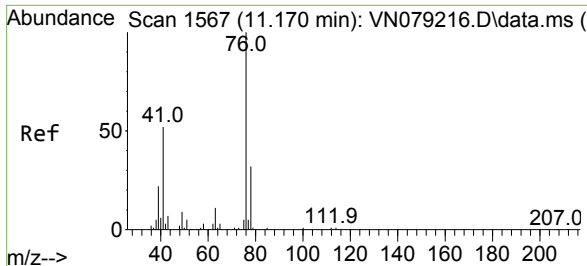
Tgt Ion: 75 Resp: 47252
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 37.5 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.707 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.111 min
 Lab File: VN079391.D
 Acq: 30 Sep 2023 16:58

Tgt Ion: 69 Resp: 2094
 Ion Ratio Lower Upper
 69 100
 41 4096.5 39.6 59.4#
 39 1948.9 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 1.656 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.035 min

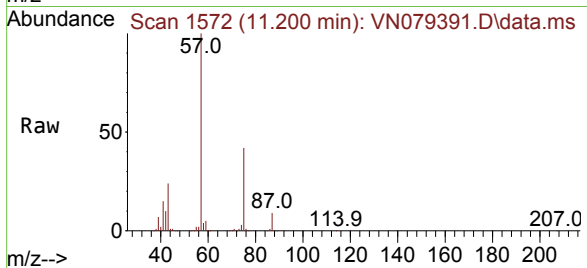
Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :

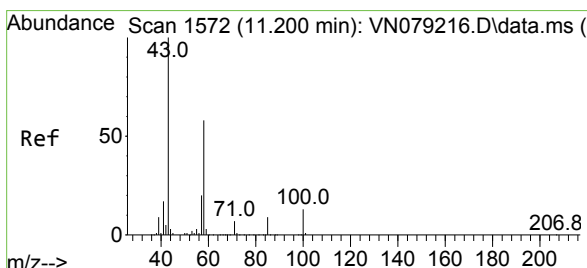
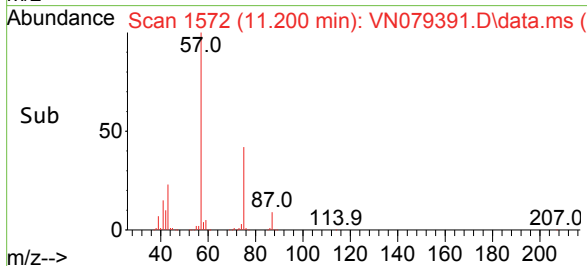
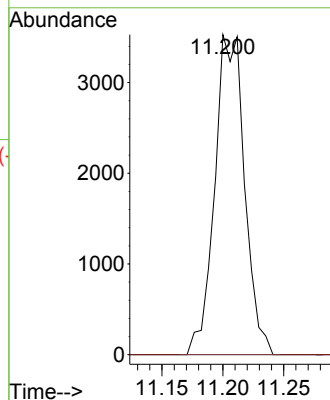


Tgt Ion: 76 Resp: 6007

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 39.719 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079391.D

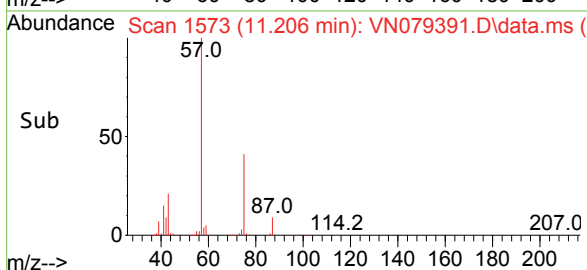
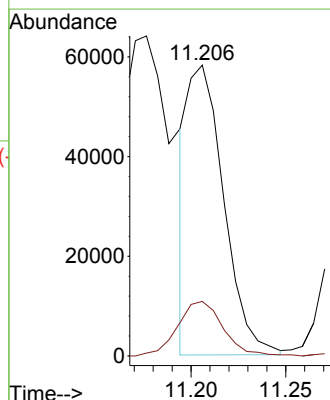
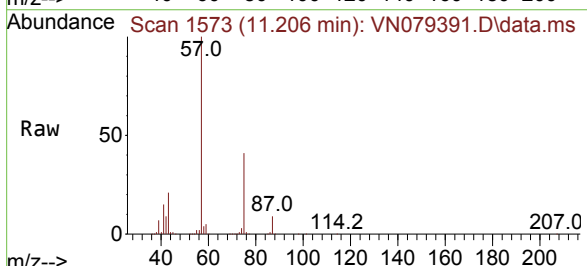
Acq: 30 Sep 2023 16:58

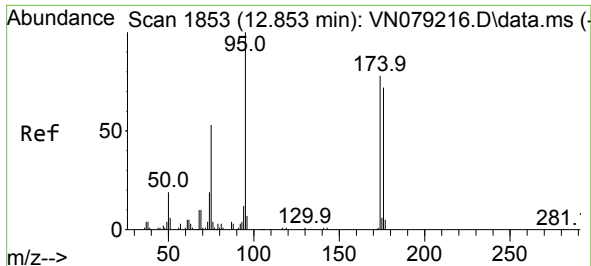
Tgt Ion: 43 Resp: 77256

Ion Ratio Lower Upper

43 100

58 23.7 31.7 95.1#

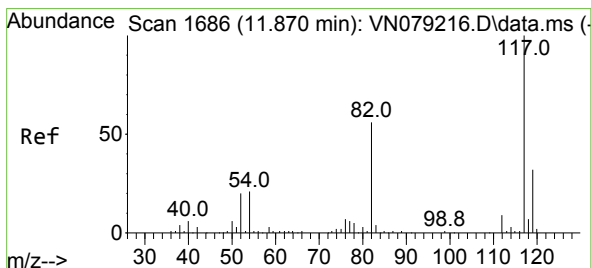
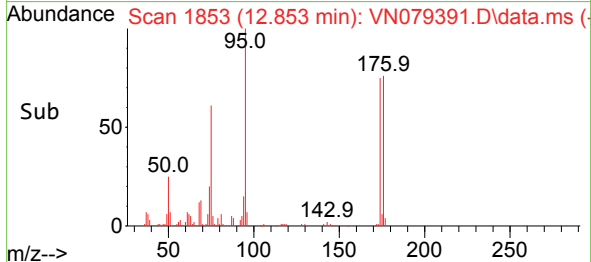
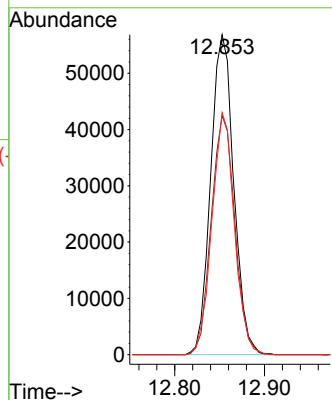
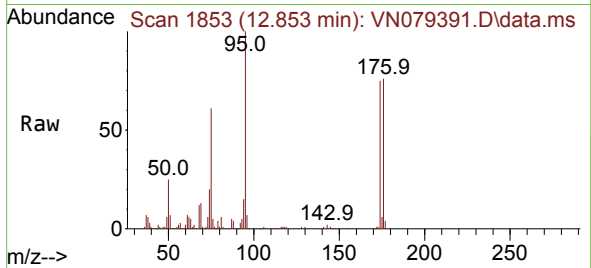




#62
4-Bromofluorobenzene
Concen: 46.910 ug/l
RT: 12.853 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

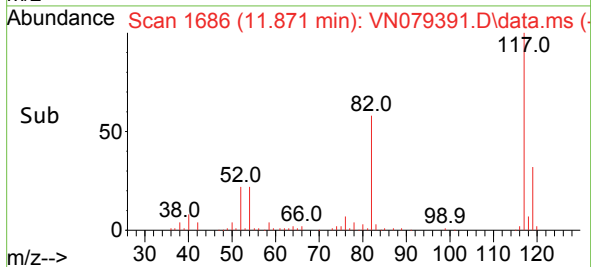
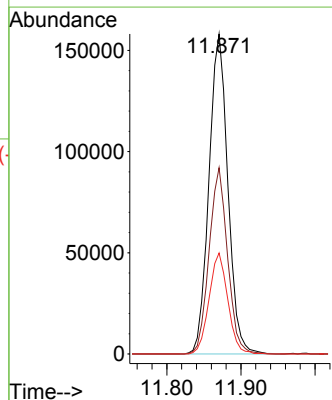
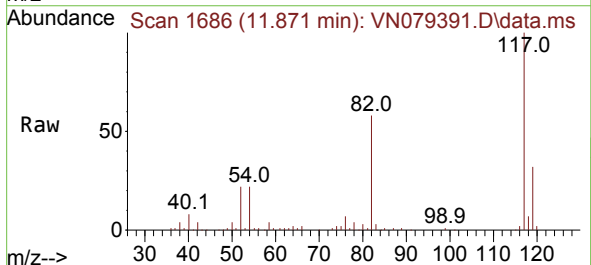
Instrument :
MSVOA_N
ClientSampleId :

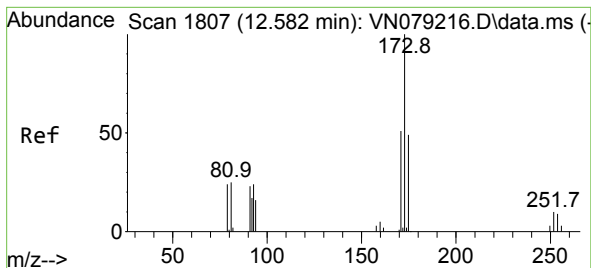
Tgt Ion: 95 Resp: 101324
Ion Ratio Lower Upper
95 100
174 76.3 0.0 143.8
176 73.6 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

Tgt Ion: 117 Resp: 280227
Ion Ratio Lower Upper
117 100
82 58.2 44.0 66.0
119 31.6 25.6 38.4





#71

Bromoform

Concen: 0.375 ug/l

RT: 12.847 min Scan# 11

Delta R.T. 0.265 min

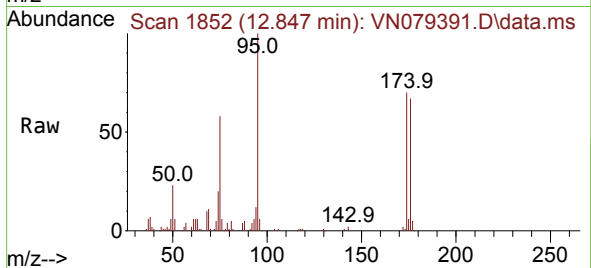
Lab File: VN079391.D

Acq: 30 Sep 2023 16:58

Instrument :

MSVOA_N

ClientSampleId :



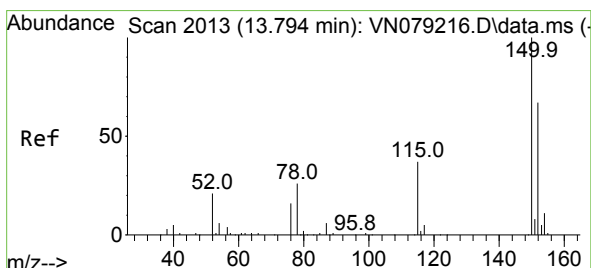
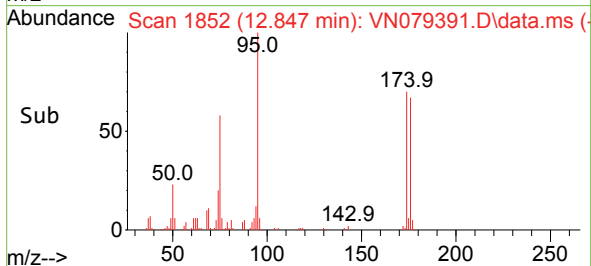
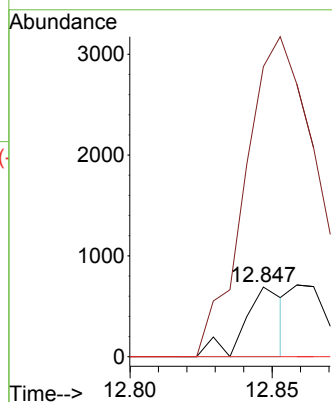
Tgt Ion:173 Resp: 659

Ion Ratio Lower Upper

173 100

175 635.8 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: VN079391.D

Acq: 30 Sep 2023 16:58

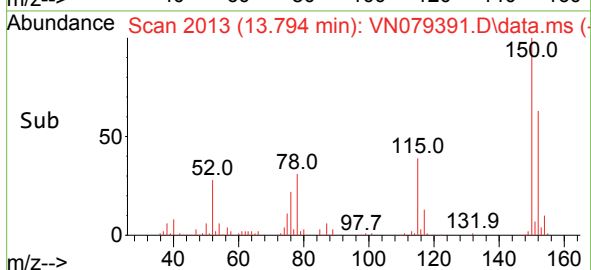
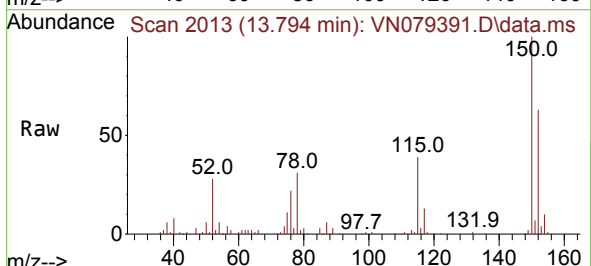
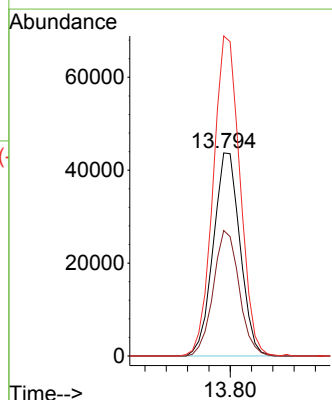
Tgt Ion:152 Resp: 76101

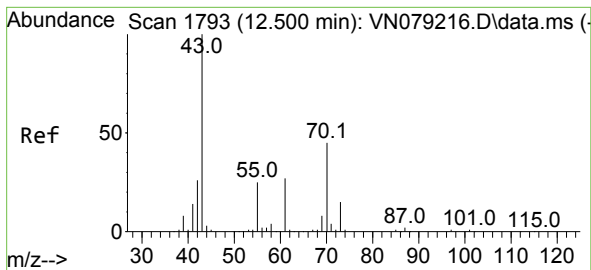
Ion Ratio Lower Upper

152 100

115 59.8 32.3 96.8

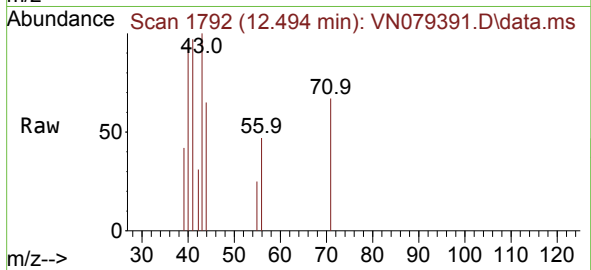
150 157.9 0.0 355.8



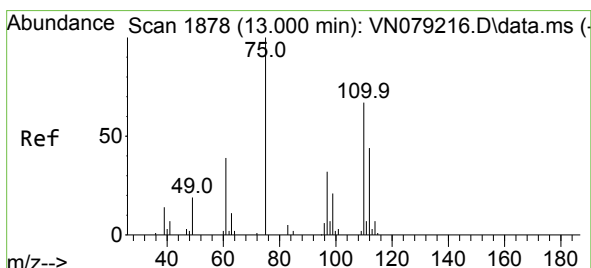
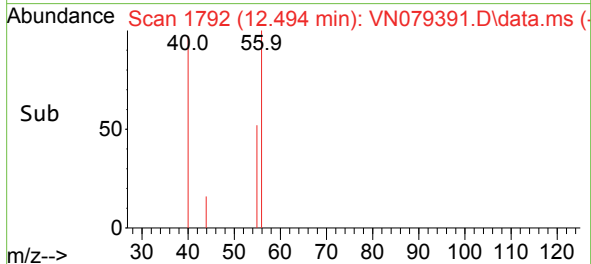
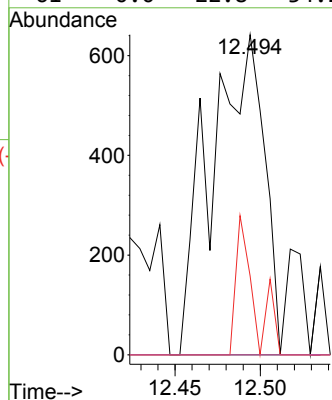


#74
N-amy1 acetate
Concen: 0.531 ug/l
RT: 12.494 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

Instrument :
MSVOA_N
ClientSampleId :

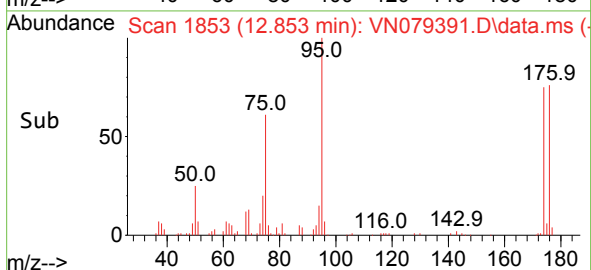
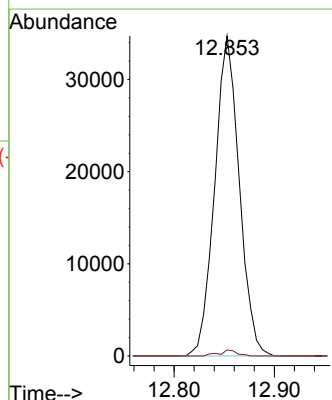
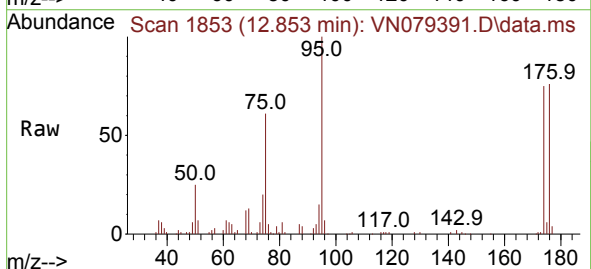


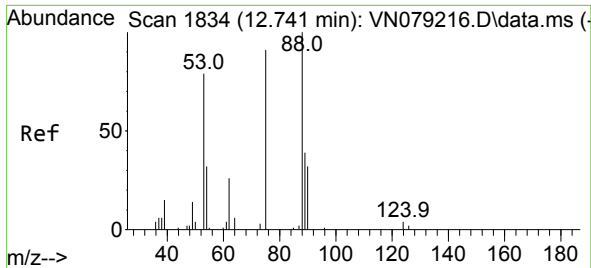
Tgt Ion: 43 Resp: 1394
Ion Ratio Lower Upper
43 100
70 0.0 43.4 65.2#
55 14.9 21.4 32.0#
61 0.0 22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 28.750 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079391.D
Acq: 30 Sep 2023 16:58

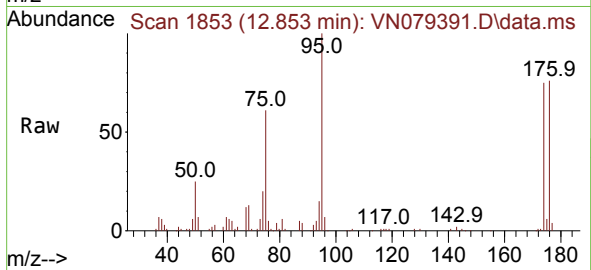
Tgt Ion: 75 Resp: 58966
Ion Ratio Lower Upper
75 100
77 1.3 84.5 253.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.039 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN079391.D
 Acq: 30 Sep 2023 16:58

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 58966
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

