

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079407.D
 Acq On : 04 Oct 2023 16:47
 Operator : JC\MD
 Sample : PB156087ZHE#05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 02:23:31 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)

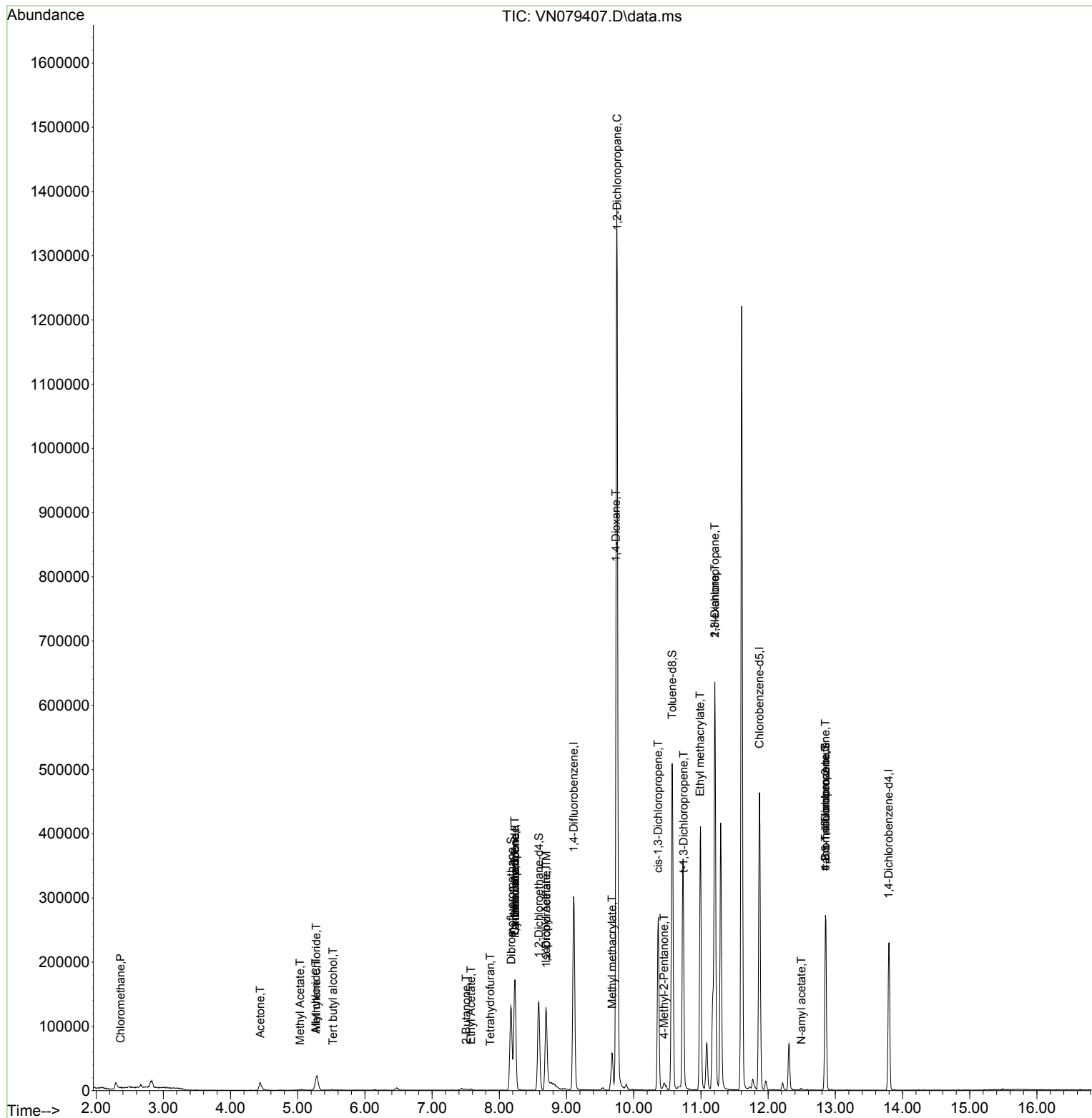
Internal Standards						
1) Pentafluorobenzene	8.236	168	120780	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	249125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	259438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	60862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	112104	68.758	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 137.520%#		
35) Dibromofluoromethane	8.177	113	92822	56.014	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 112.020%		
50) Toluene-d8	10.571	98	343200	56.403	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 112.800%		
62) 4-Bromofluorobenzene	12.853	95	90741	46.752	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 93.500%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	560	0.357	ug/l #	42
6) Chloroethane	3.118	64	498	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	135	0.448	ug/l #	72
14) Allyl chloride	5.271	41	506	0.246	ug/l #	19
16) Acetone	4.442	43	21506	31.058	ug/l	92
18) Methyl Acetate	5.036	43	1297	0.456	ug/l #	58
20) Methylene Chloride	5.277	84	17177	10.194	ug/l #	84
25) 2-Butanone	7.506	43	3676	3.659	ug/l #	71
29) Tetrahydrofuran	7.865	42	231	0.361	ug/l #	20
31) Cyclohexane	8.230	56	3317	1.393	ug/l #	8
36) 1,1-Dichloropropene	8.236	75	11541	4.518	ug/l #	49
37) Ethyl Acetate	7.577	43	3230	1.268	ug/l #	73
38) Carbon Tetrachloride	8.230	117	13631	5.157	ug/l #	14
42) 1,2-Dichloroethane	8.700	62	1096	0.407	ug/l #	73
43) Isopropyl Acetate	8.694	43	148862	35.810	ug/l #	77
45) 1,2-Dichloropropane	9.753	63	1621	0.835	ug/l #	45
48) Methyl methacrylate	9.677	41	3865	2.076	ug/l #	31
49) 1,4-Dioxane	9.736	88	53	1.384	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	7043	2.919	ug/l	96
53) t-1,3-Dichloropropene	10.741	75	889	0.312	ug/l #	51
54) cis-1,3-Dichloropropene	10.365	75	44717	14.695	ug/l #	72
56) Ethyl methacrylate	10.988	69	2623	0.985	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6643	2.038	ug/l #	42
59) 2-Hexanone	11.206	43	81973	46.901	ug/l #	47
74) N-amyl acetate	12.494	43	1644	0.783	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	50994	31.088	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	50994	85.468	ug/l #	15

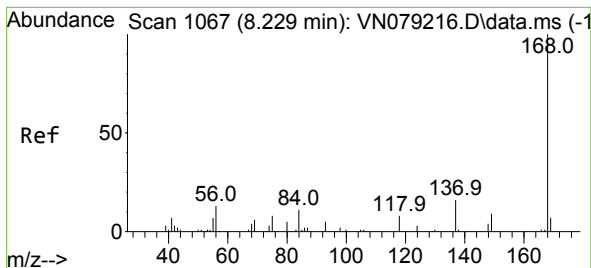
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 8.236 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

Instrument :

MSVOA_N

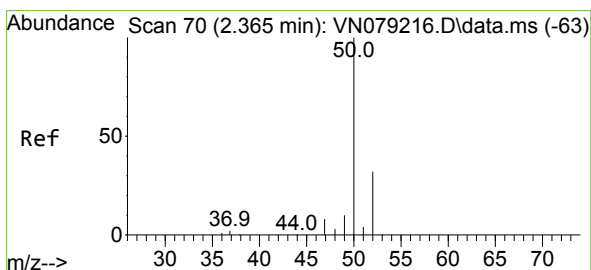
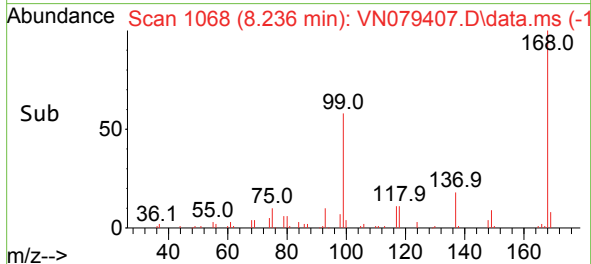
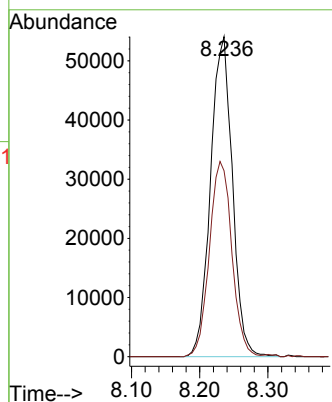
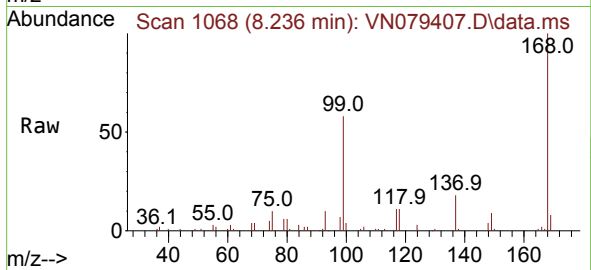
ClientSampleId :

Tgt Ion:168 Resp: 120780

Ion Ratio Lower Upper

168 100

99 58.1 53.0 79.6



#3

Chloromethane

Concen: 0.357 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN079407.D

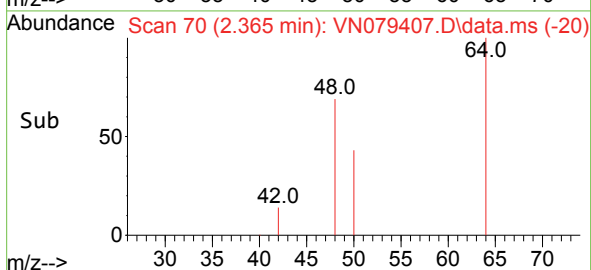
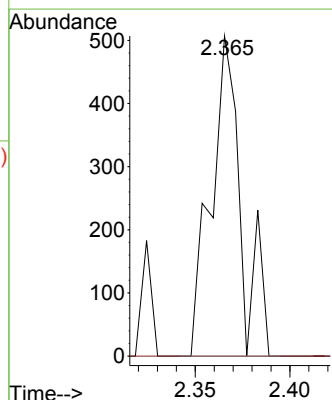
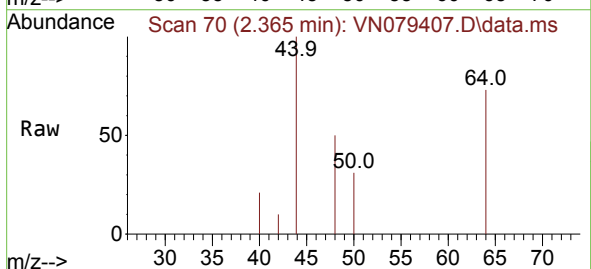
Acq: 04 Oct 2023 16:47

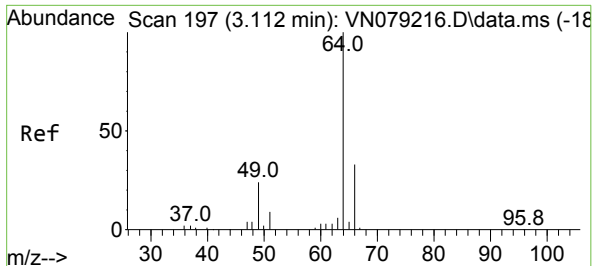
Tgt Ion: 50 Resp: 560

Ion Ratio Lower Upper

50 100

52 0.0 26.5 39.7#

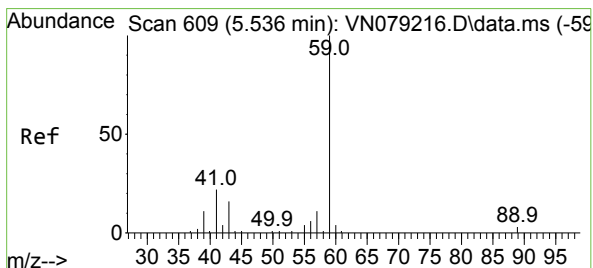
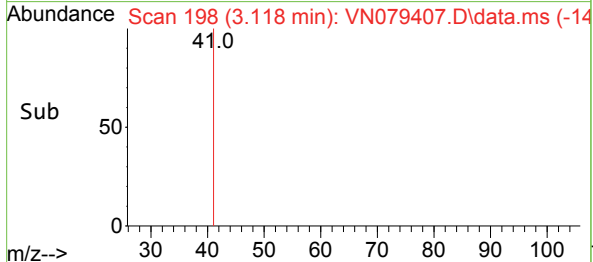
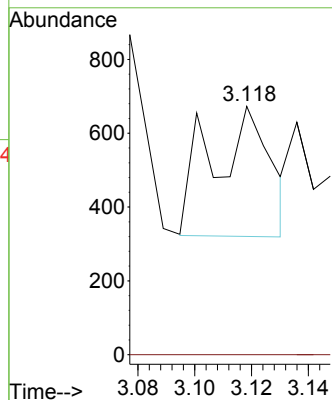
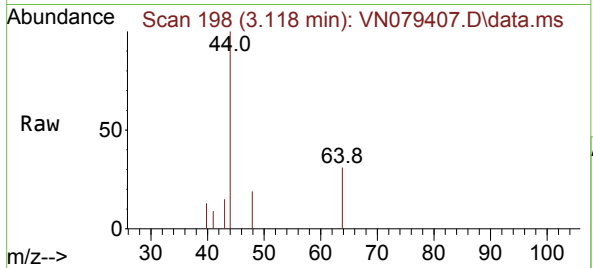




#6
Chloroethane
Concen: Below Cal
RT: 3.118 min Scan# 197
Delta R.T. 0.000 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

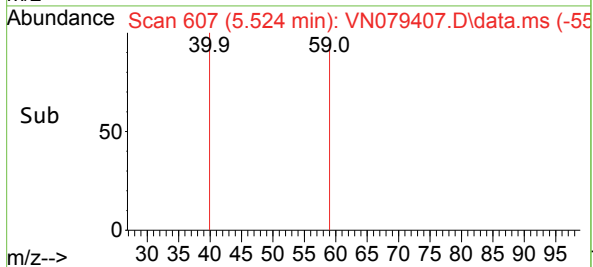
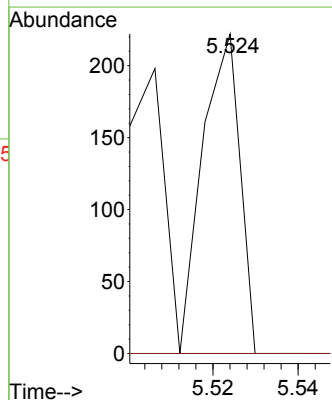
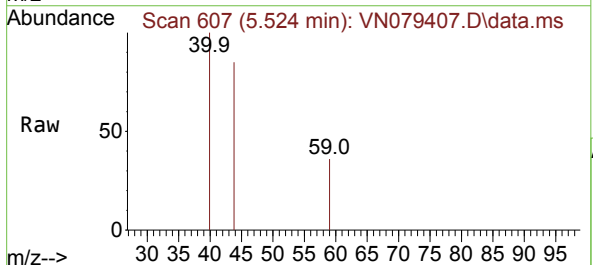
Instrument :
MSVOA_N
ClientSampleId :

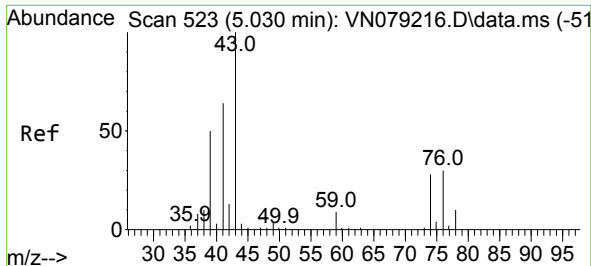
Tgt Ion: 64 Resp: 498
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.448 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

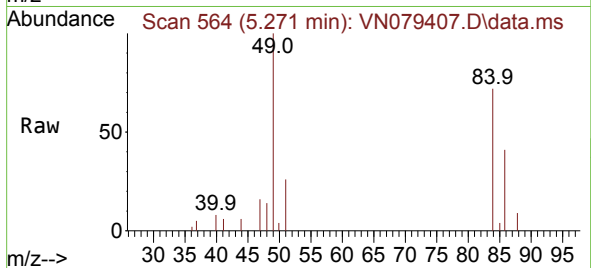
Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



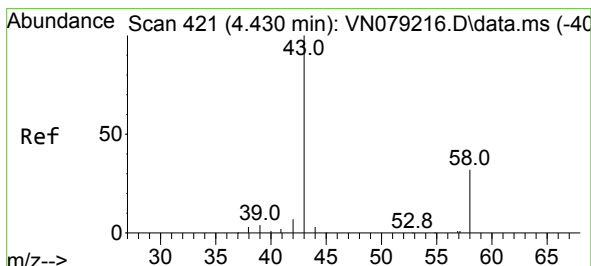
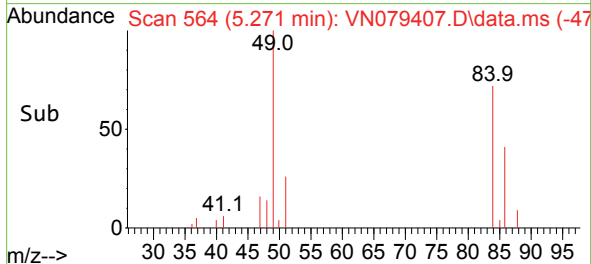
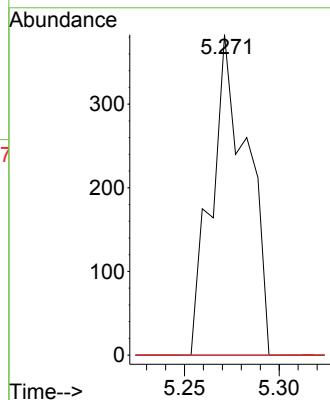


#14
Allyl chloride
Concen: 0.246 ug/l
RT: 5.271 min Scan# 506
Delta R.T. 0.241 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Instrument :
MSVOA_N
ClientSampleId :

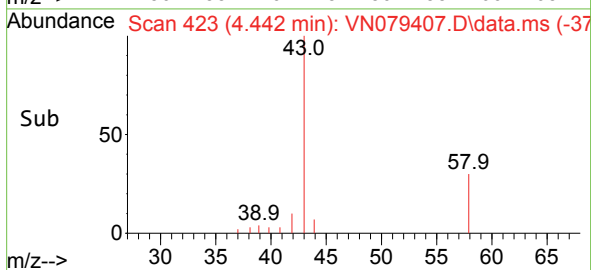
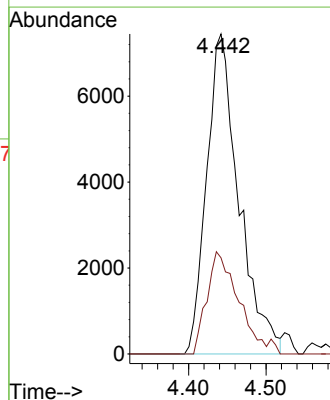
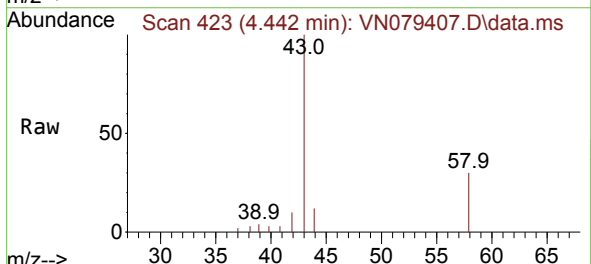


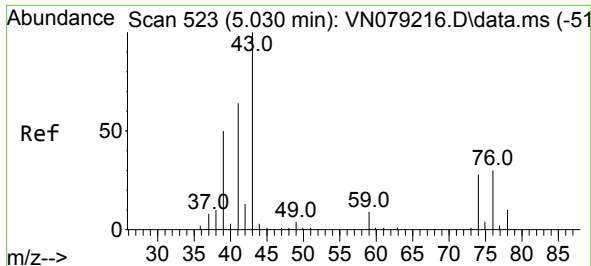
Tgt Ion: 41 Resp: 506
Ion Ratio Lower Upper
41 100
39 0.0 58.8 88.2#
76 0.0 39.1 58.7#



#16
Acetone
Concen: 31.058 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.000 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Tgt Ion: 43 Resp: 21506
Ion Ratio Lower Upper
43 100
58 30.1 28.0 42.0





#18

Methyl Acetate

Concen: 0.456 ug/l

RT: 5.036 min Scan# 51

Delta R.T. -0.006 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

Instrument :

MSVOA_N

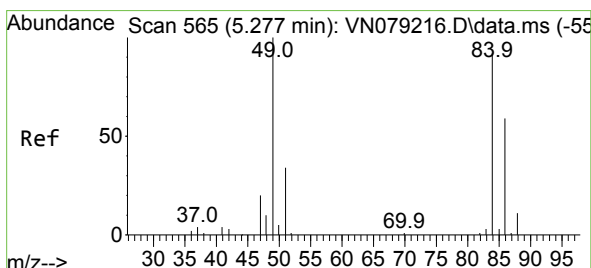
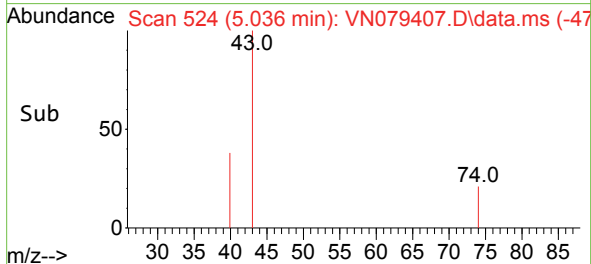
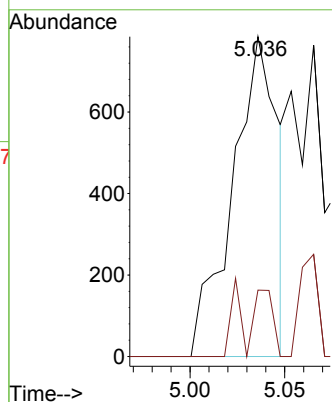
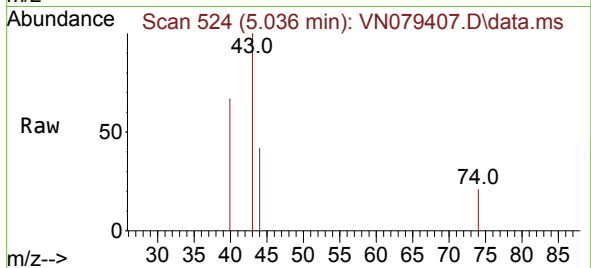
ClientSampleId :

Tgt Ion: 43 Resp: 1297

Ion Ratio Lower Upper

43 100

74 8.9 26.2 39.4#



#20

Methylene Chloride

Concen: 10.194 ug/l

RT: 5.277 min Scan# 565

Delta R.T. -0.006 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

Tgt Ion: 84 Resp: 17177

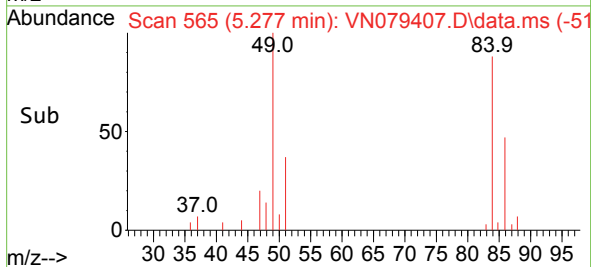
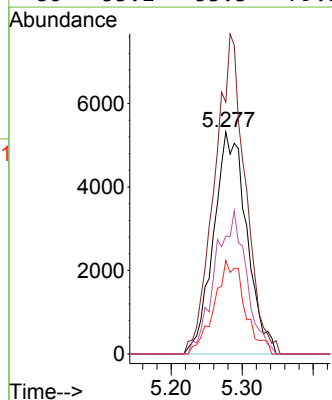
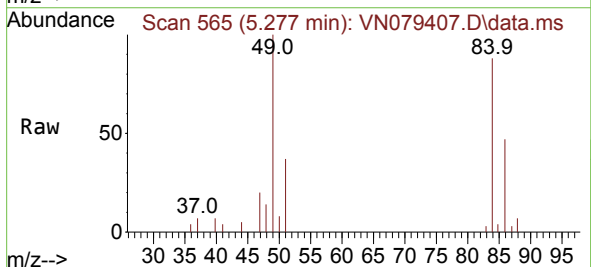
Ion Ratio Lower Upper

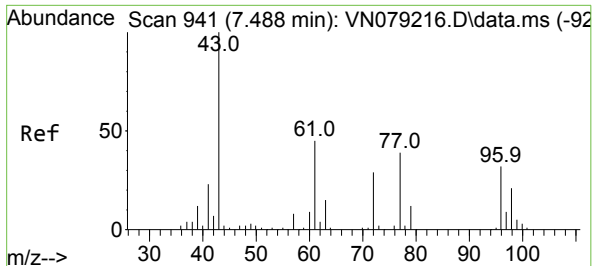
84 100

49 113.5 79.7 119.5

51 42.1 25.2 37.8#

86 53.1 53.3 79.9#





#25

2-Butanone

Concen: 3.659 ug/l

RT: 7.506 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

Instrument :

MSVOA_N

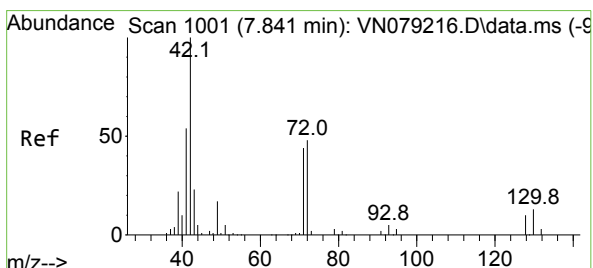
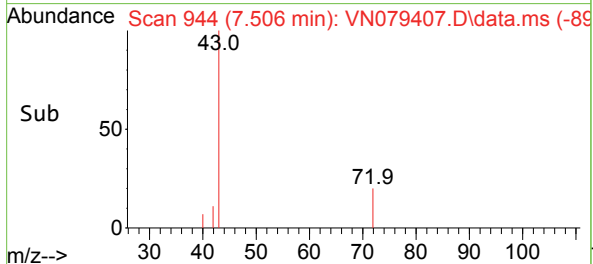
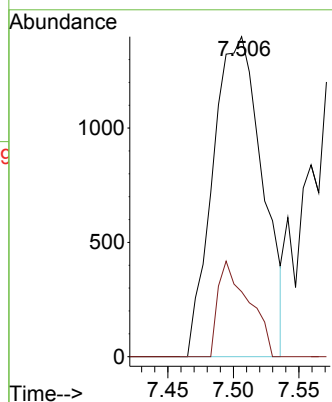
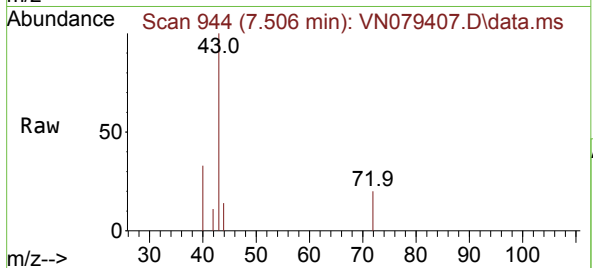
ClientSampleId :

Tgt Ion: 43 Resp: 3676

Ion Ratio Lower Upper

43 100

72 20.3 30.2 45.2#



#29

Tetrahydrofuran

Concen: 0.361 ug/l

RT: 7.865 min Scan# 1005

Delta R.T. 0.018 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

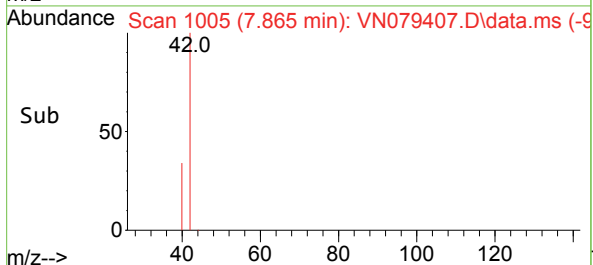
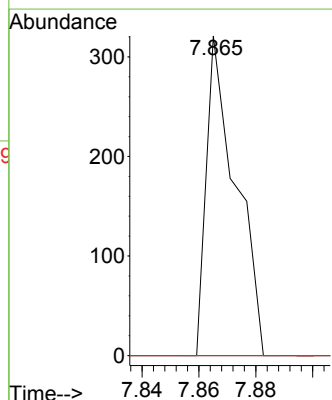
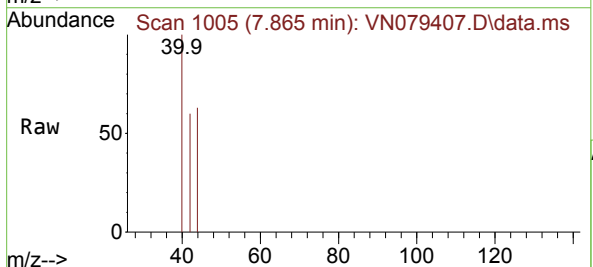
Tgt Ion: 42 Resp: 231

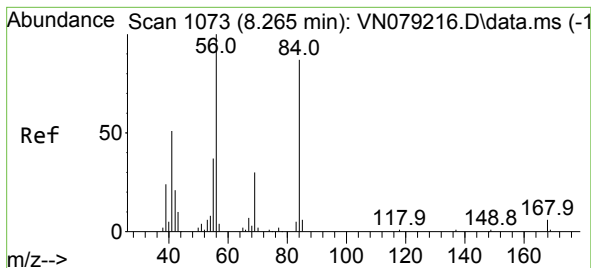
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#





#31

Cyclohexane

Concen: 1.393 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.035 min

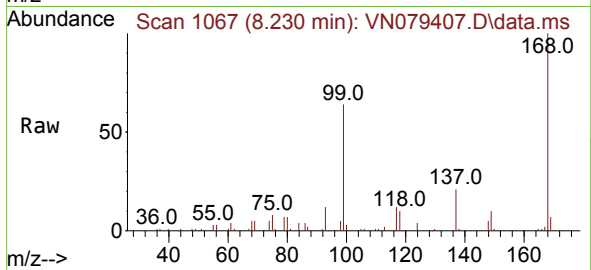
Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :



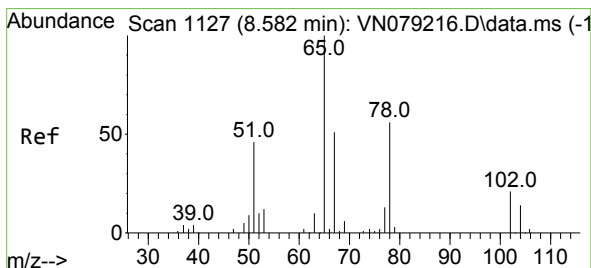
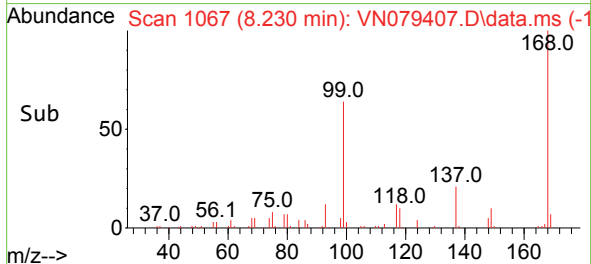
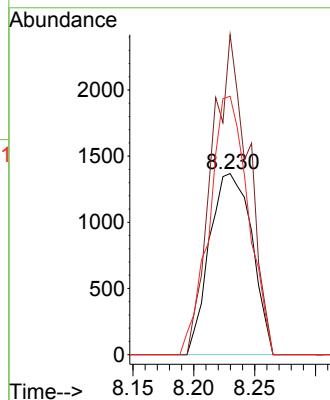
Tgt Ion: 56 Resp: 3317

Ion Ratio Lower Upper

56 100

69 176.8 26.8 40.2#

84 142.8 81.8 122.6#



#33

1,2-Dichloroethane-d4

Concen: 68.758 ug/l

RT: 8.589 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VN079407.D

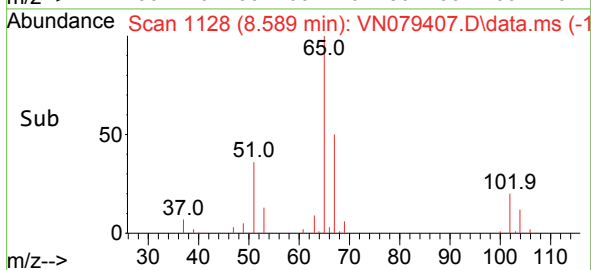
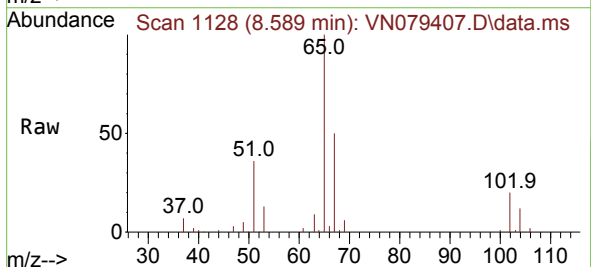
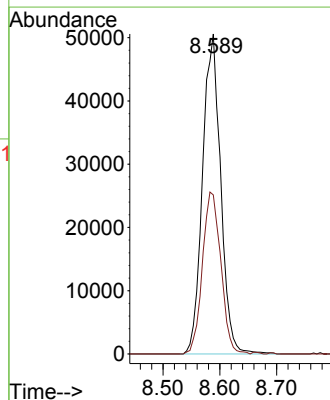
Acq: 04 Oct 2023 16:47

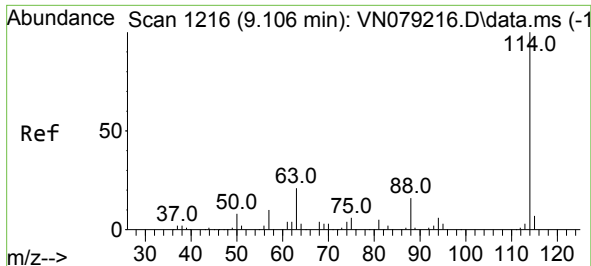
Tgt Ion: 65 Resp: 112104

Ion Ratio Lower Upper

65 100

67 51.2 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :

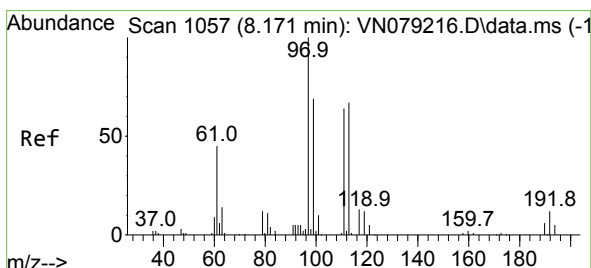
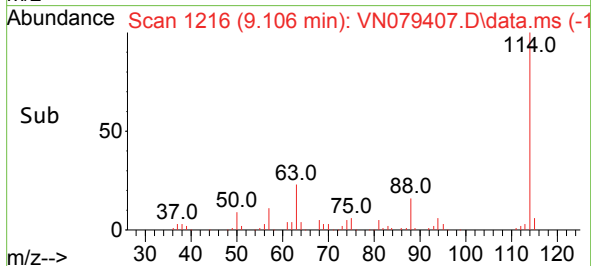
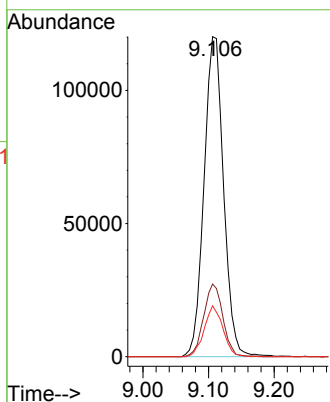
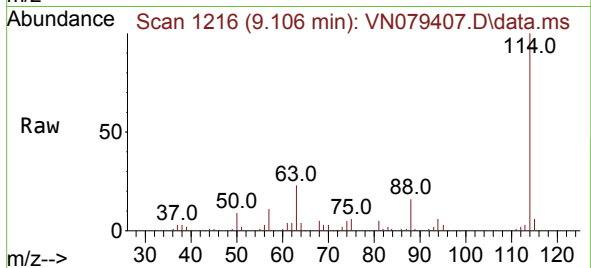
Tgt Ion:114 Resp: 249125

Ion Ratio Lower Upper

114 100

63 22.7 0.0 36.4

88 15.9 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.014 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

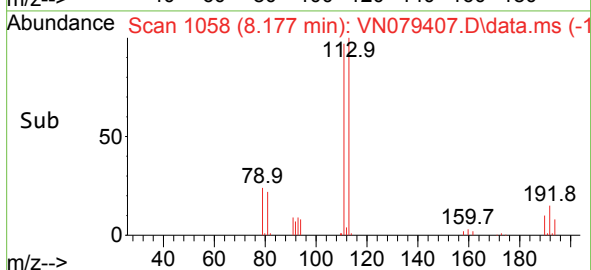
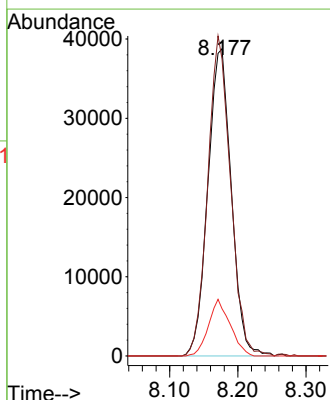
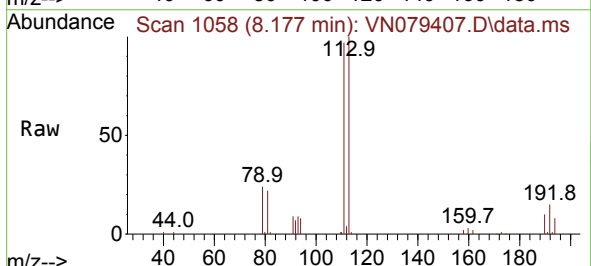
Tgt Ion:113 Resp: 92822

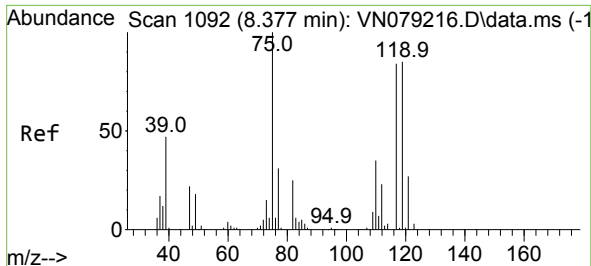
Ion Ratio Lower Upper

113 100

111 101.2 82.6 123.8

192 17.1 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.518 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

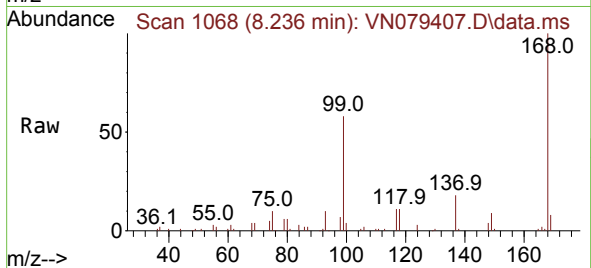
Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :



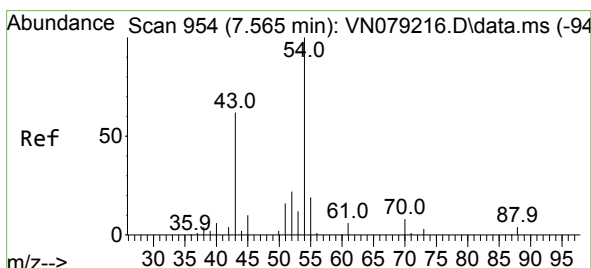
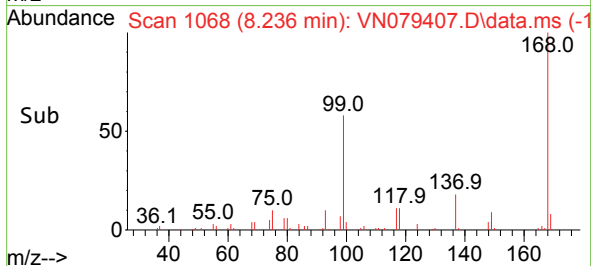
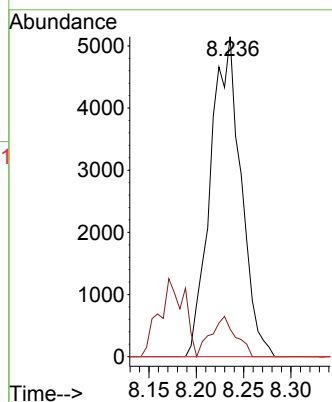
Tgt Ion: 75 Resp: 11541

Ion Ratio Lower Upper

75 100

110 10.3 19.1 57.3#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 1.268 ug/l

RT: 7.577 min Scan# 956

Delta R.T. 0.006 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

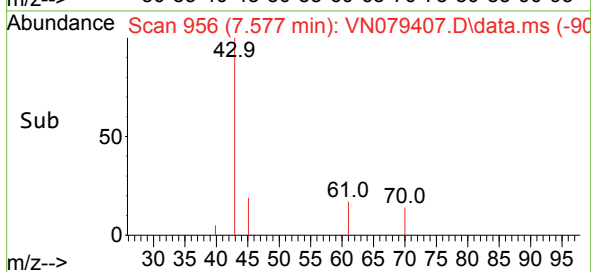
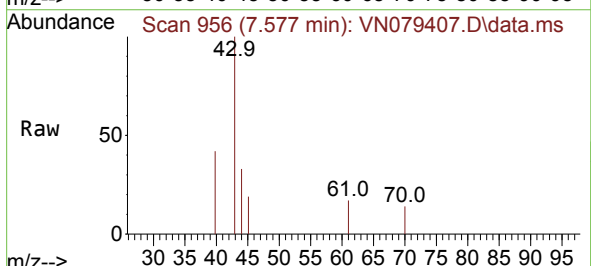
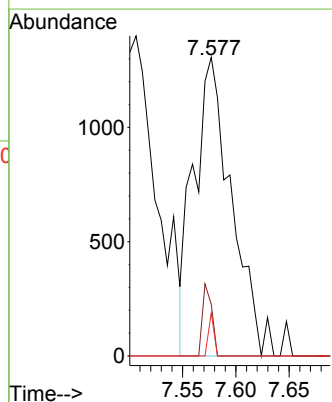
Tgt Ion: 43 Resp: 3230

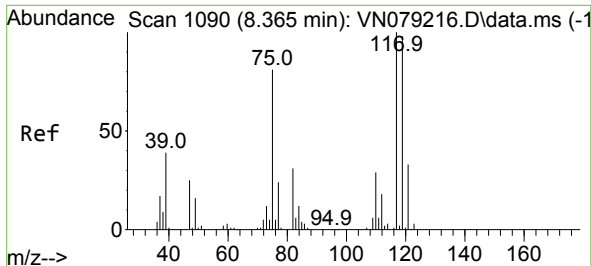
Ion Ratio Lower Upper

43 100

61 5.9 13.2 19.8#

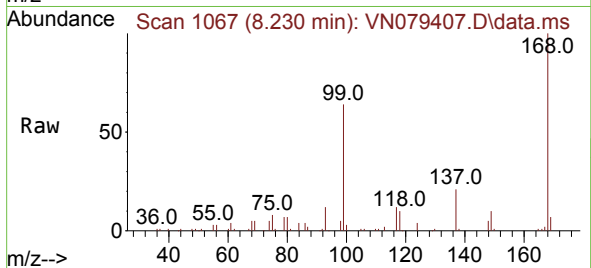
70 2.0 11.3 16.9#



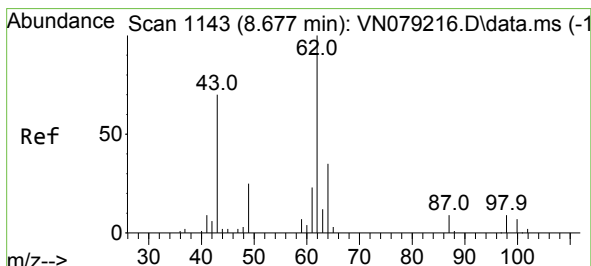
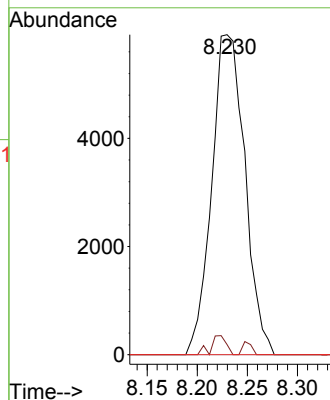
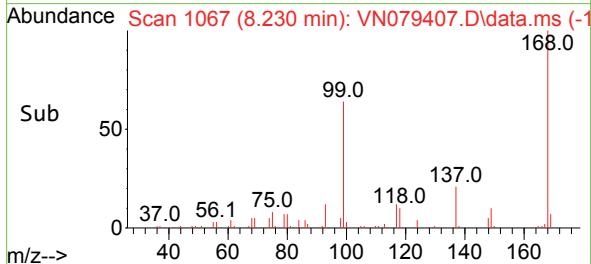


#38
Carbon Tetrachloride
Concen: 5.157 ug/l
RT: 8.230 min Scan# 1107
Delta R.T. -0.141 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Instrument :
MSVOA_N
ClientSampleId :

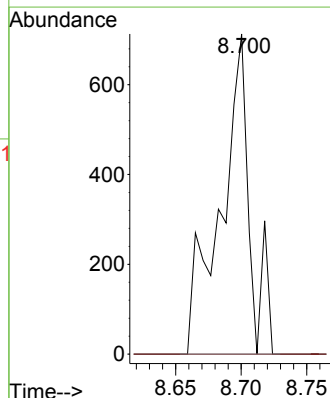
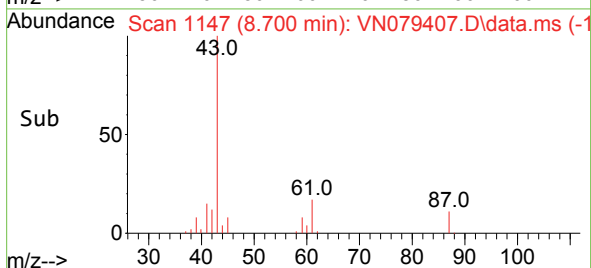
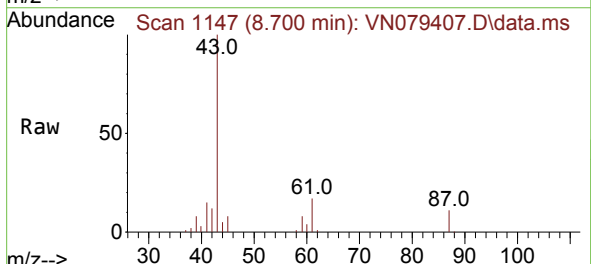


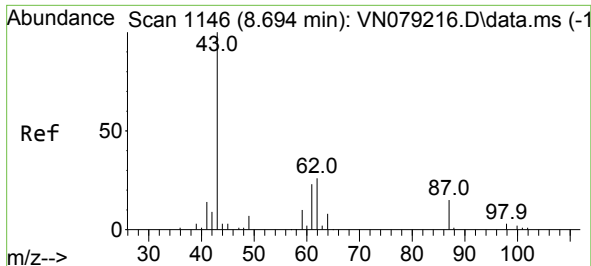
Tgt Ion:117 Resp: 13631
Ion Ratio Lower Upper
117 100
119 3.1 77.3 115.9#
121 0.0 23.3 34.9#



#42
1,2-Dichloroethane
Concen: 0.407 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.023 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Tgt Ion: 62 Resp: 1096
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.8

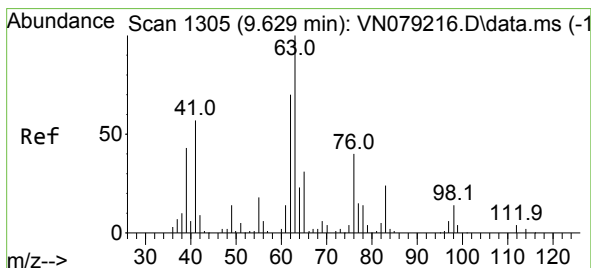
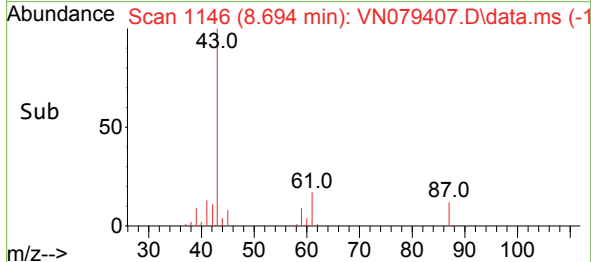
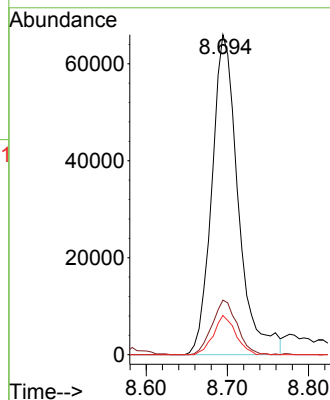
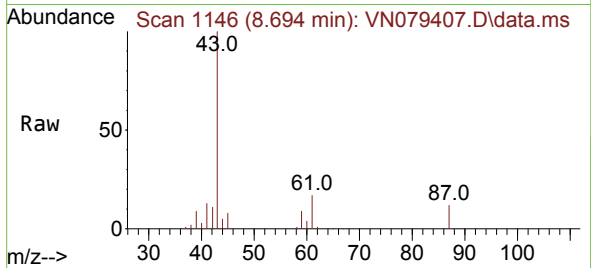




#43
Isopropyl Acetate
Concen: 35.810 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

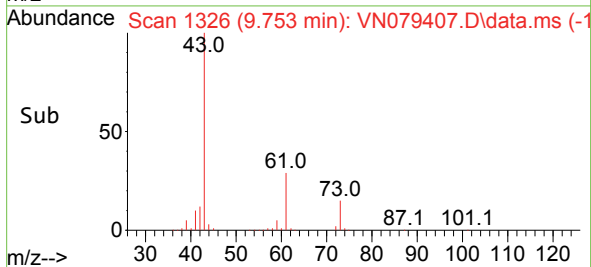
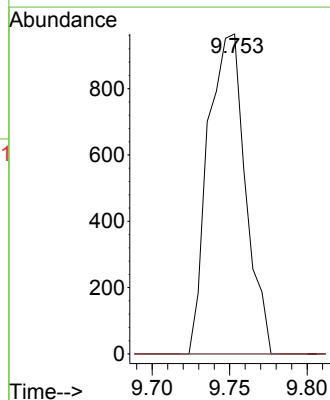
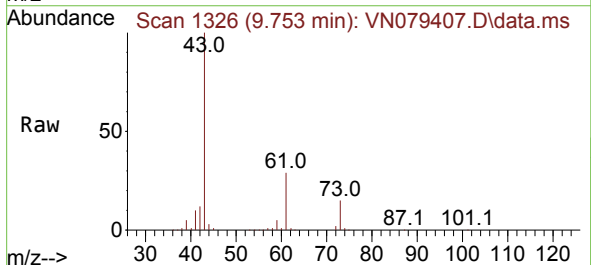
Instrument :
MSVOA_N
ClientSampleId :

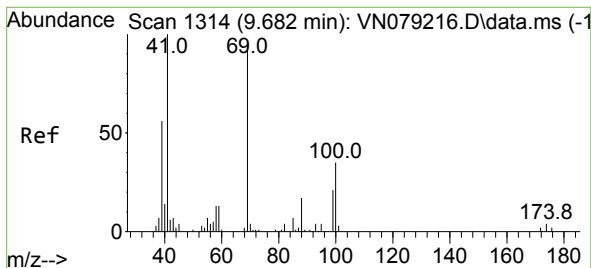
Tgt Ion: 43 Resp: 148862
Ion Ratio Lower Upper
43 100
61 16.1 24.7 37.1#
87 10.4 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.835 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.129 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Tgt Ion: 63 Resp: 1621
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#





#48

Methyl methacrylate

Concen: 2.076 ug/l

RT: 9.677 min Scan# 11

Delta R.T. -0.011 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :

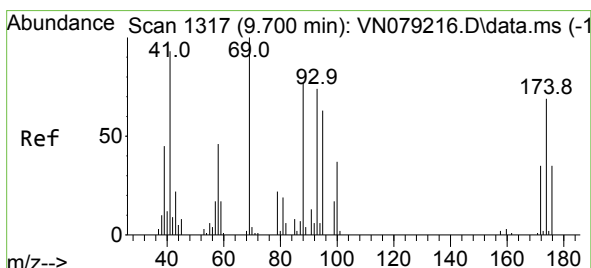
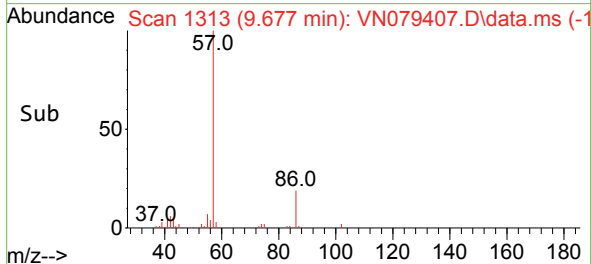
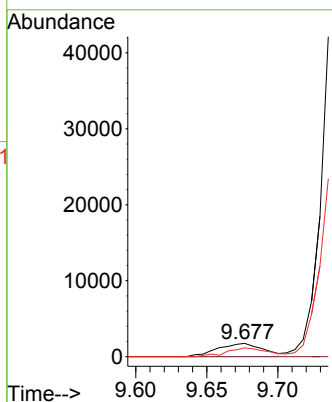
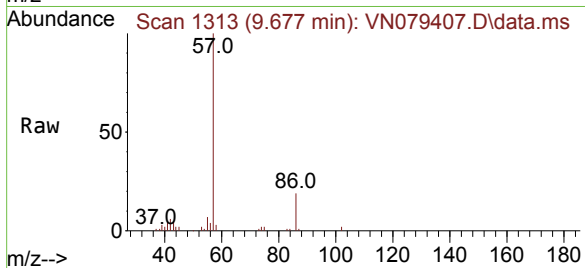
Tgt Ion: 41 Resp: 3865

Ion Ratio Lower Upper

41 100

69 0.0 90.4 135.6#

39 61.9 54.6 81.8



#49

1,4-Dioxane

Concen: 1.384 ug/l

RT: 9.736 min Scan# 1323

Delta R.T. 0.036 min

Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

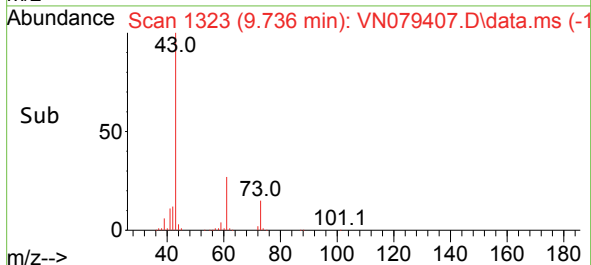
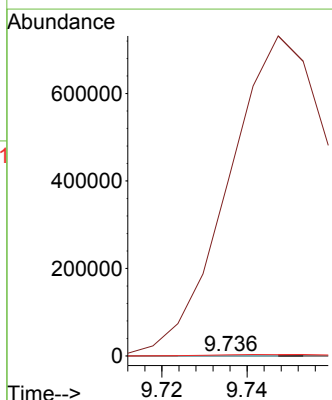
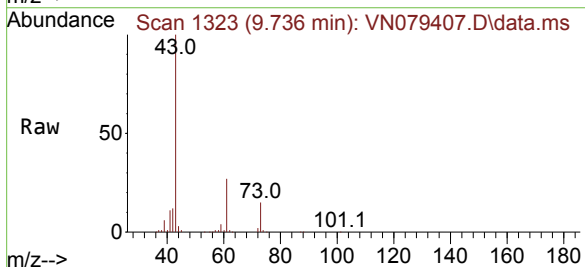
Tgt Ion: 88 Resp: 53

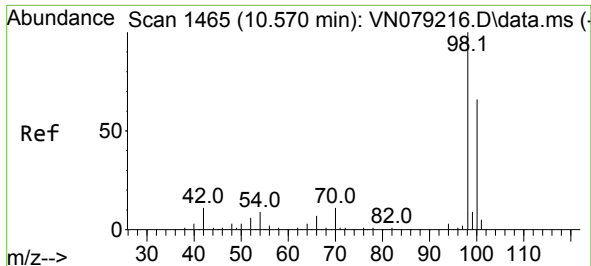
Ion Ratio Lower Upper

88 100

43 2477150.9 17.0 25.6#

58 13509.4 47.0 70.4#

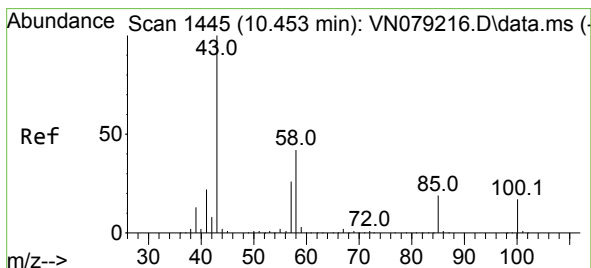
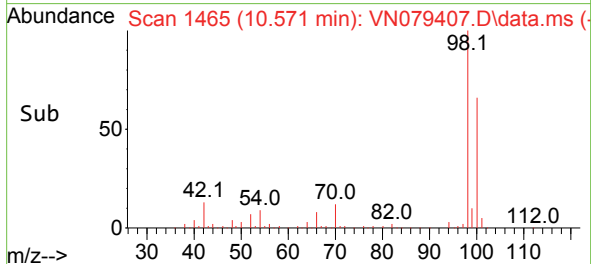
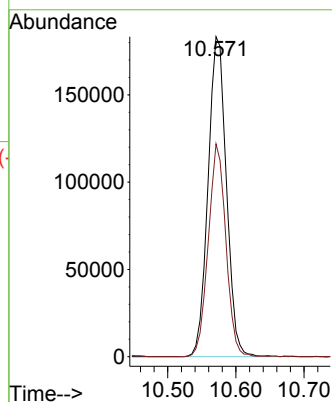
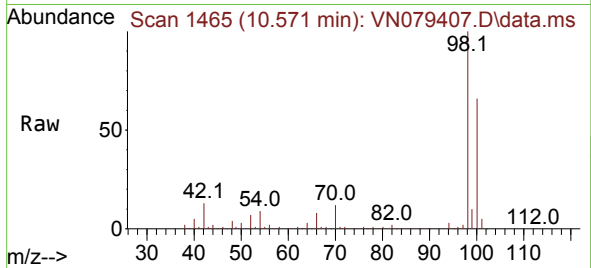




#50
Toluene-d8
Concen: 56.403 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

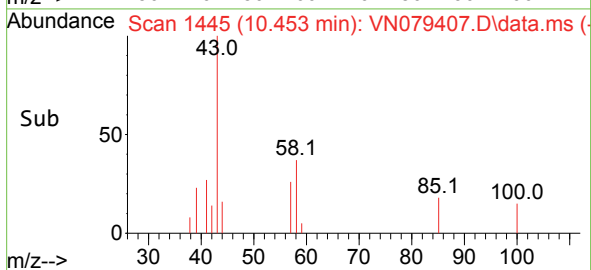
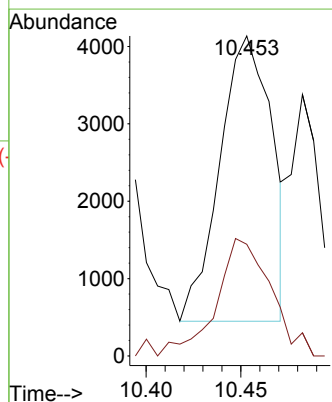
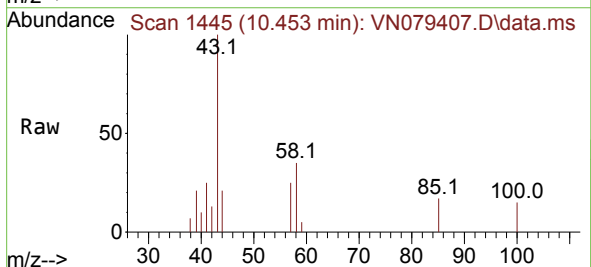
Instrument :
MSVOA_N
ClientSampleId :

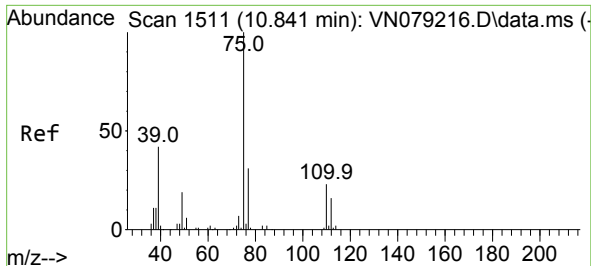
Tgt Ion: 98 Resp: 343200
Ion Ratio Lower Upper
98 100
100 63.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 2.919 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Tgt Ion: 43 Resp: 7043
Ion Ratio Lower Upper
43 100
58 43.1 36.6 54.8

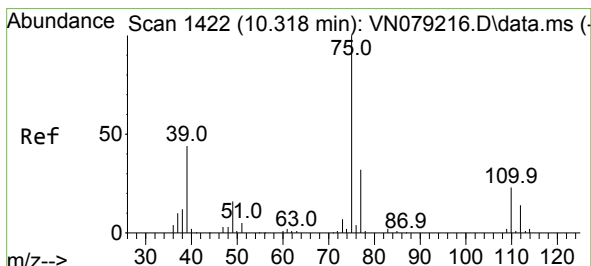
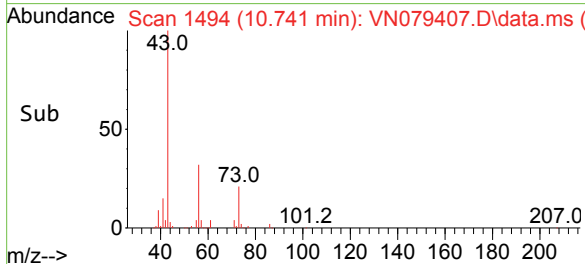
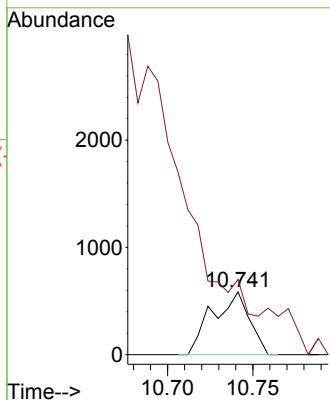
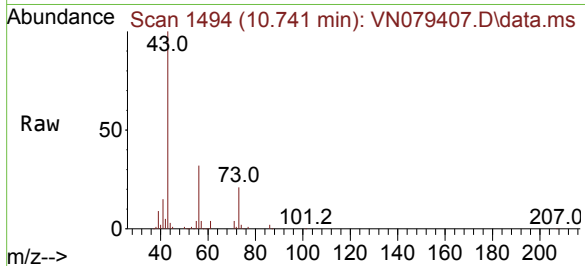




#53
 t-1,3-Dichloropropene
 Concen: 0.312 ug/l
 RT: 10.741 min Scan# 14
 Delta R.T. -0.100 min
 Lab File: VN079407.D
 Acq: 04 Oct 2023 16:47

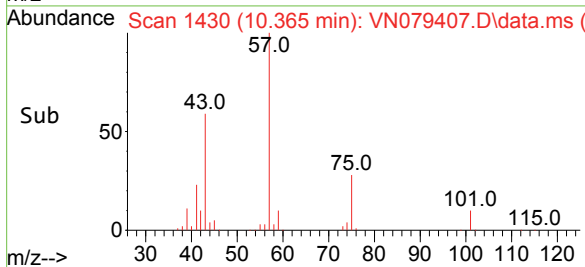
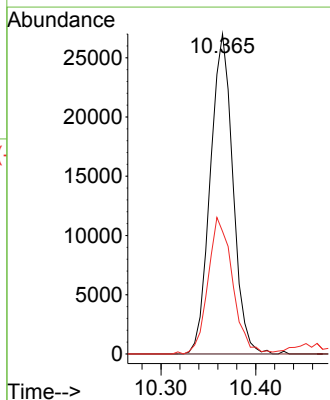
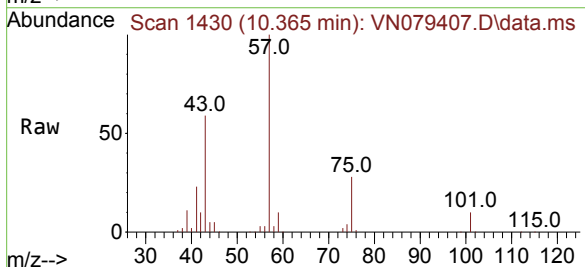
Instrument :
 MSVOA_N
 ClientSampleId :

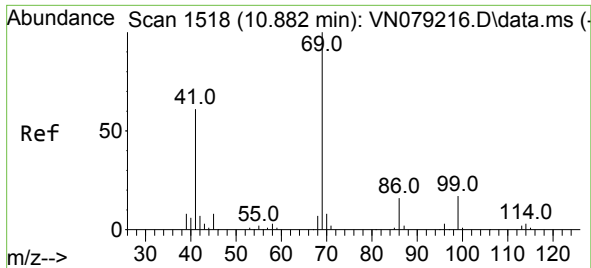
Tgt Ion: 75 Resp: 889
 Ion Ratio Lower Upper
 75 100
 77 58.9 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 14.695 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079407.D
 Acq: 04 Oct 2023 16:47

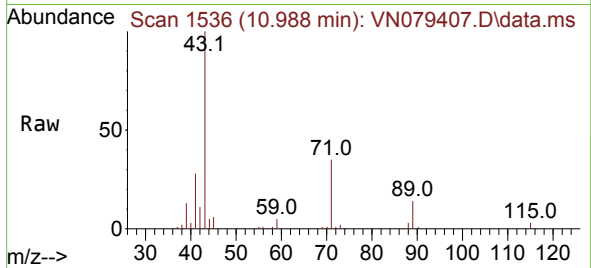
Tgt Ion: 75 Resp: 44717
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 37.7 31.6 47.4



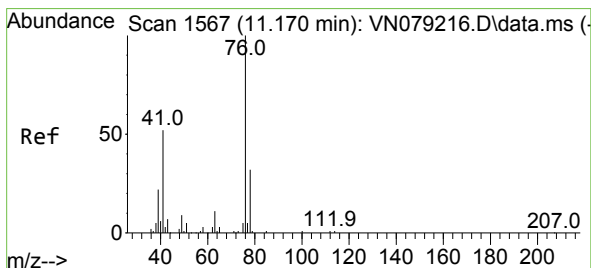
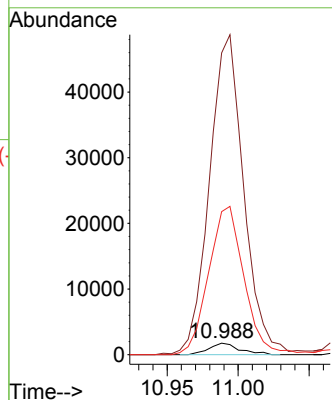
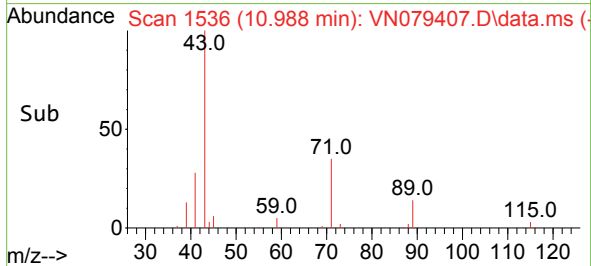


#56
Ethyl methacrylate
Concen: 0.985 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Instrument :
MSVOA_N
ClientSampleId :

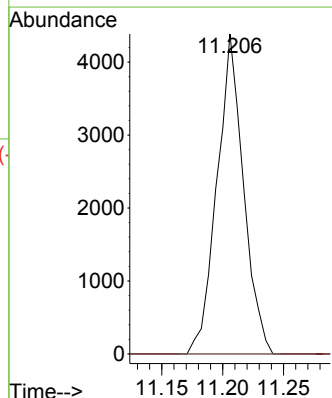
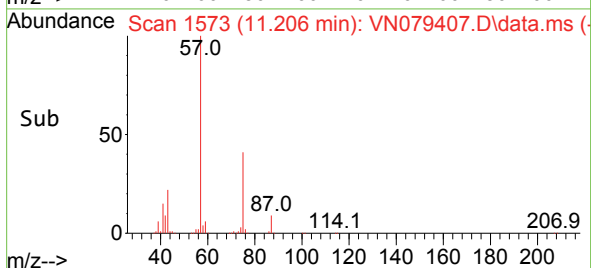
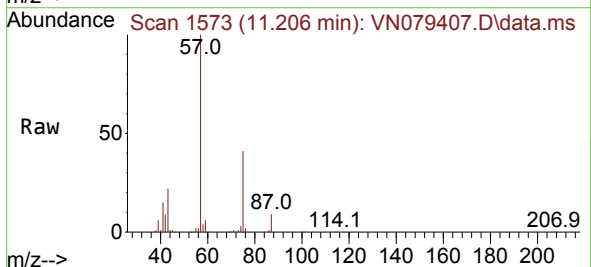


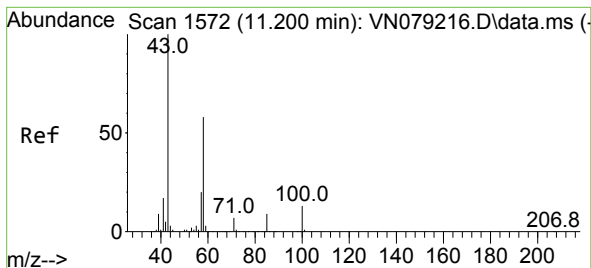
Tgt Ion: 69 Resp: 2623
Ion Ratio Lower Upper
69 100
41 3131.8 39.6 59.4#
39 1498.9 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 2.038 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Tgt Ion: 76 Resp: 6643
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

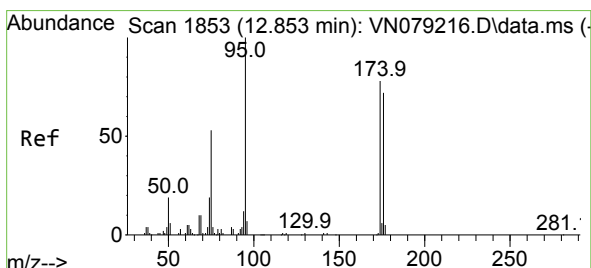
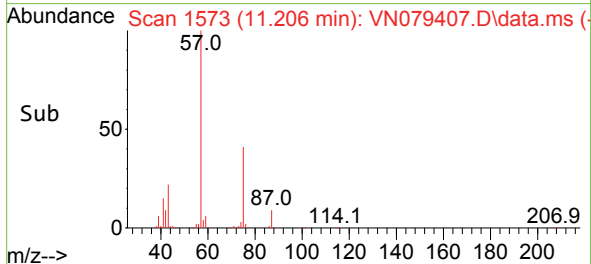
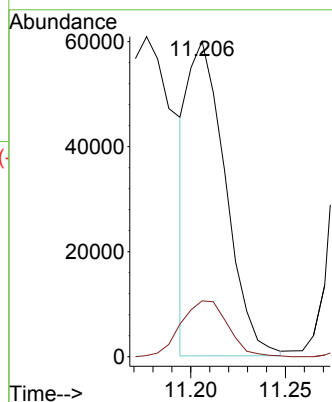
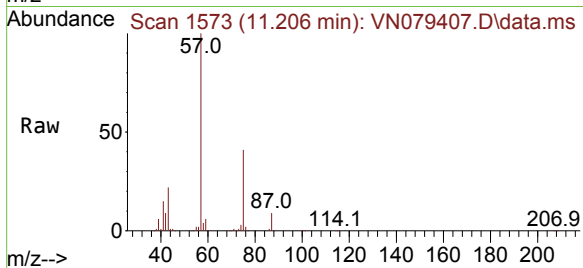




#59
2-Hexanone
Concen: 46.901 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

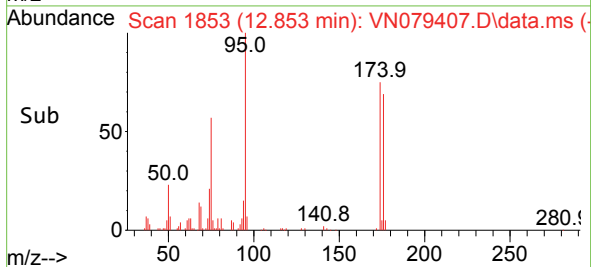
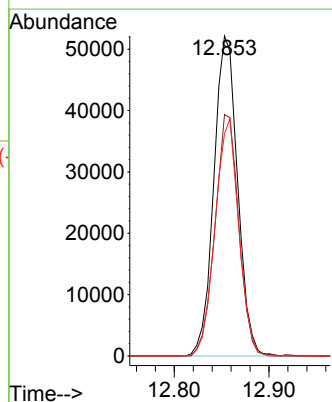
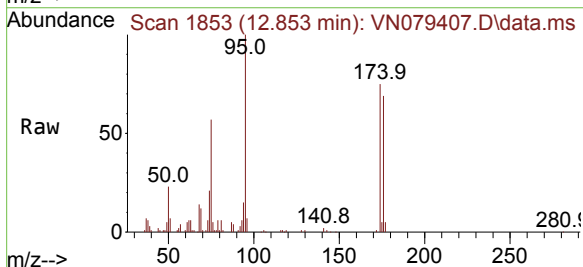
Instrument :
MSVOA_N
ClientSampleId :

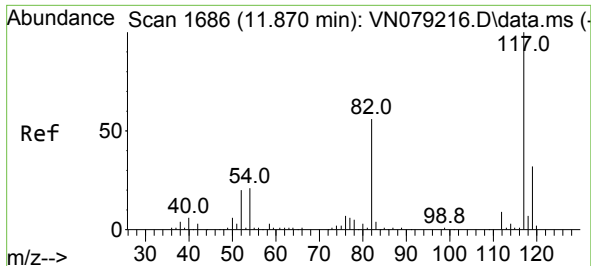
Tgt Ion: 43 Resp: 81973
Ion Ratio Lower Upper
43 100
58 22.5 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 46.752 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Tgt Ion: 95 Resp: 90741
Ion Ratio Lower Upper
95 100
174 75.7 0.0 143.8
176 73.7 0.0 135.8

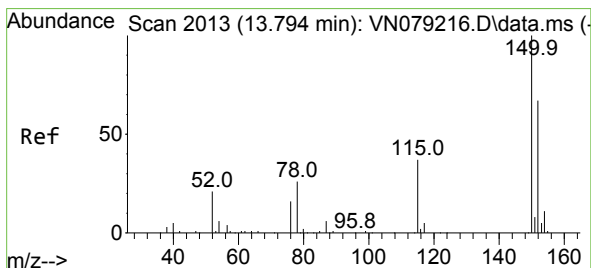
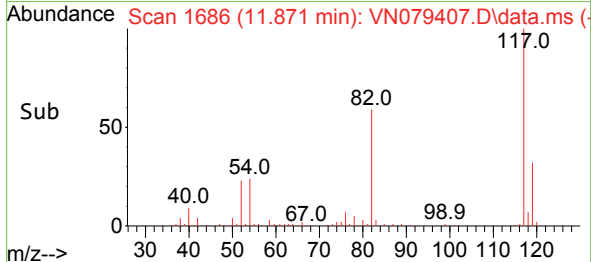
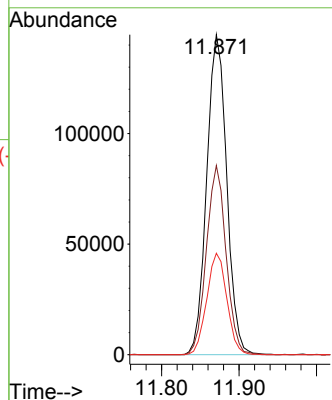
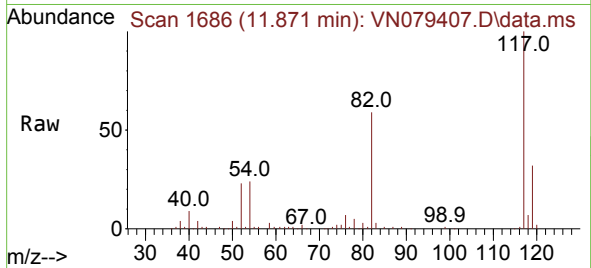




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

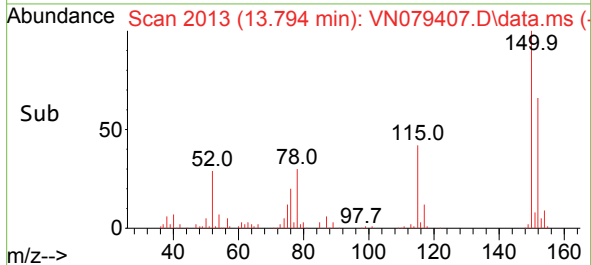
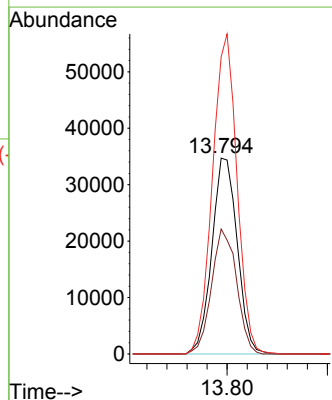
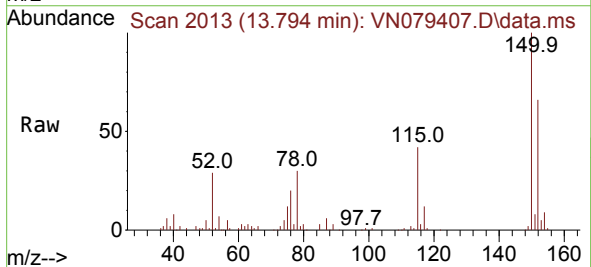
Instrument :
MSVOA_N
ClientSampleId :

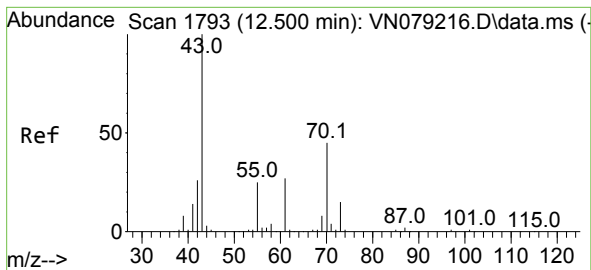
Tgt Ion:117 Resp: 259438
Ion Ratio Lower Upper
117 100
82 59.1 44.0 66.0
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Tgt Ion:152 Resp: 60862
Ion Ratio Lower Upper
152 100
115 62.8 32.3 96.8
150 157.7 0.0 355.8





#74

N-amy1 acetate

Concen: 0.783 ug/l

RT: 12.494 min Scan# 1

Delta R.T. -0.006 min

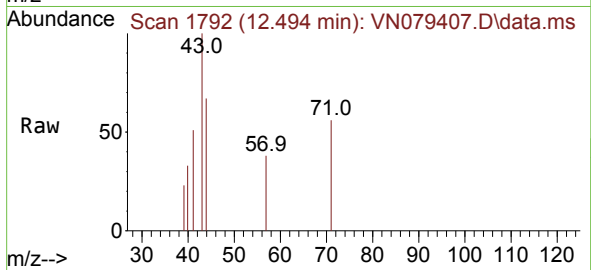
Lab File: VN079407.D

Acq: 04 Oct 2023 16:47

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 43 Resp: 1644

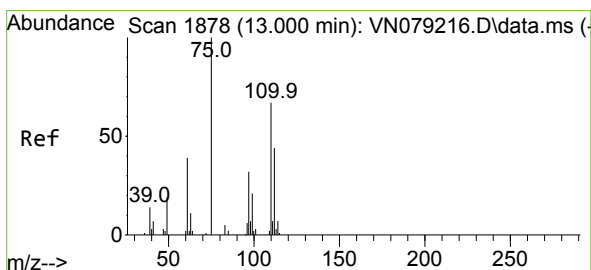
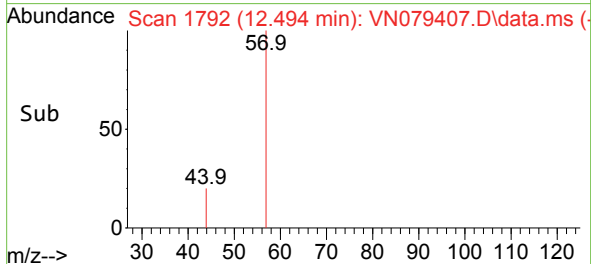
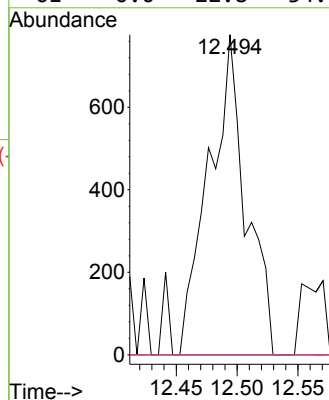
Ion Ratio Lower Upper

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: 31.088 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.147 min

Lab File: VN079407.D

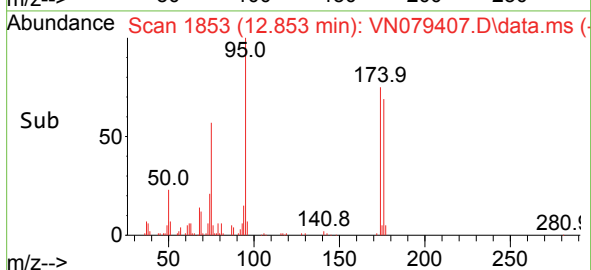
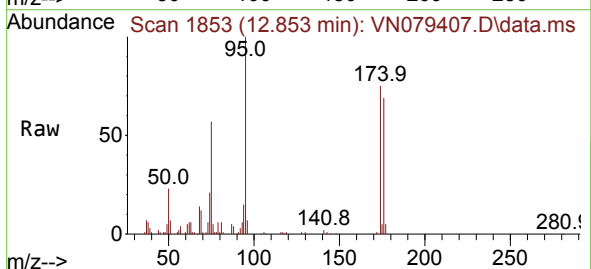
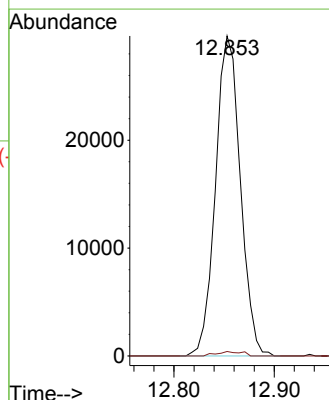
Acq: 04 Oct 2023 16:47

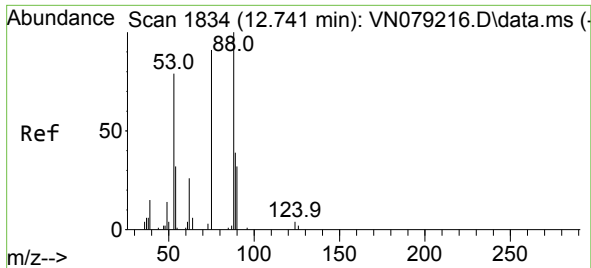
Tgt Ion: 75 Resp: 50994

Ion Ratio Lower Upper

75 100

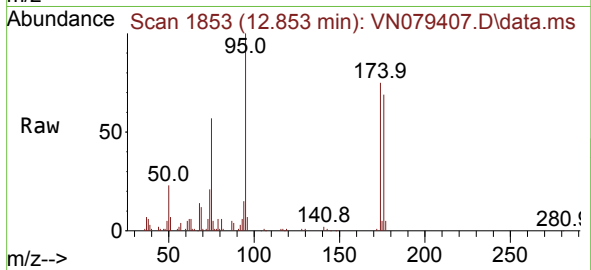
77 1.4 84.5 253.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 85.468 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN079407.D
Acq: 04 Oct 2023 16:47

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 75 Resp: 50994
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

