

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100423\
 Data File : VN079406.D
 Acq On : 04 Oct 2023 16:23
 Operator : JC\MD
 Sample : PB156087ZHE#04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 05 02:23:04 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

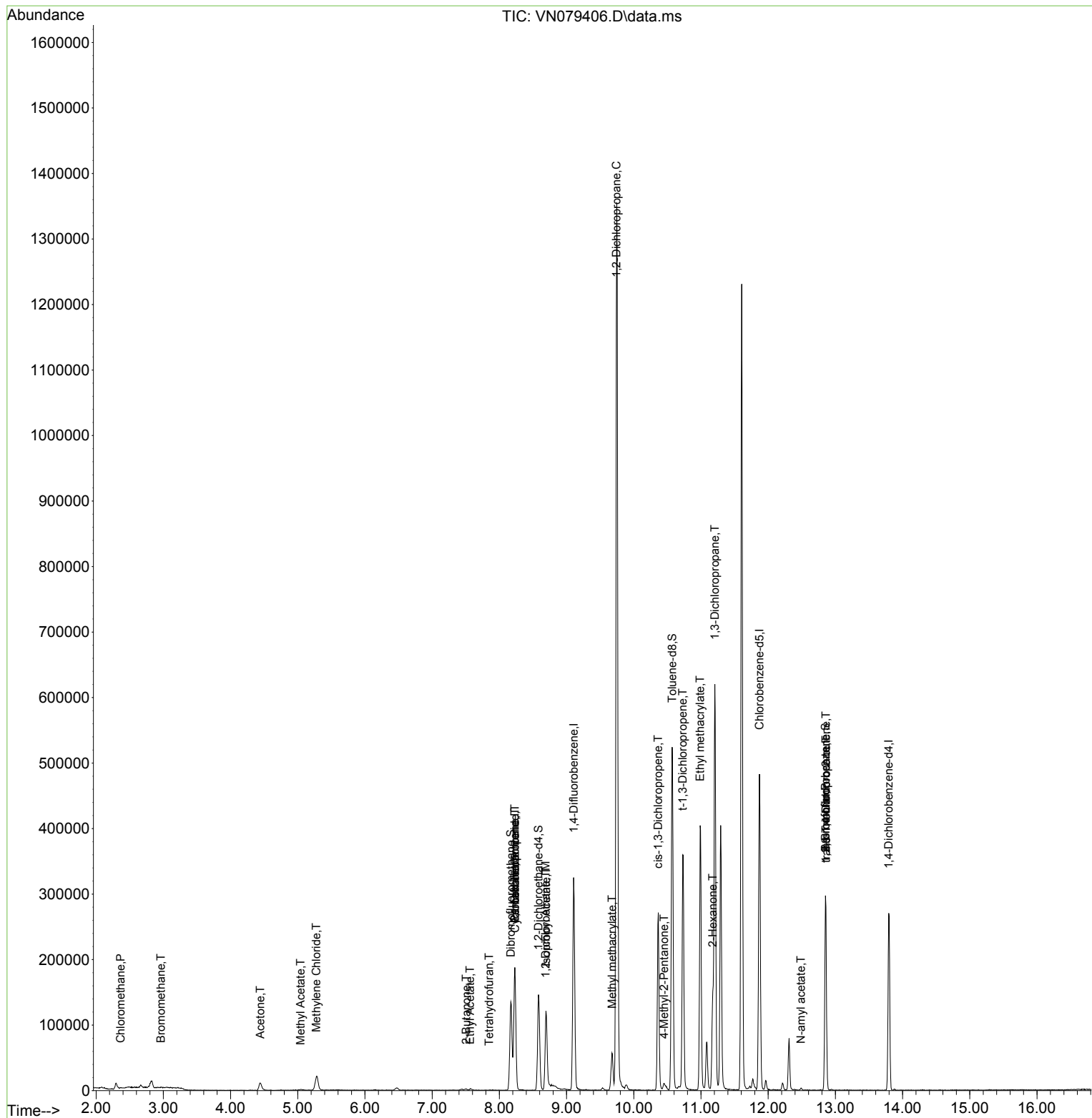
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	127471	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	262315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	273857	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	71204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	114685	66.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 133.300%#	
35) Dibromofluoromethane	8.171	113	95315	54.626	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.260%	
50) Toluene-d8	10.571	98	355038	55.415	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 110.820%	
62) 4-Bromofluorobenzene	12.853	95	97133	47.529	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.060%	
Target Compounds						Qvalue
3) Chloromethane	2.365	50	803	0.485	ug/l	# 42
5) Bromomethane	2.965	94	531	0.512	ug/l	95
6) Chloroethane	3.153	64	197	Below Cal	#	43
16) Acetone	4.442	43	22112	30.257	ug/l	97
18) Methyl Acetate	5.042	43	2478	0.825	ug/l	# 70
20) Methylene Chloride	5.277	84	16056	9.028	ug/l	# 74
25) 2-Butanone	7.506	43	3831	3.613	ug/l	95
29) Tetrahydrofuran	7.847	42	383	0.568	ug/l	# 20
31) Cyclohexane	8.235	56	3610	1.437	ug/l	# 39
36) 1,1-Dichloropropene	8.230	75	12553	4.667	ug/l	# 47
37) Ethyl Acetate	7.565	43	3289	1.226	ug/l	# 74
38) Carbon Tetrachloride	8.230	117	14141	5.081	ug/l	# 15
42) 1,2-Dichloroethane	8.688	62	803	0.283	ug/l	# 73
43) Isopropyl Acetate	8.694	43	136210	31.119	ug/l	# 79
45) 1,2-Dichloropropane	9.741	63	1593	0.780	ug/l	# 45
48) Methyl methacrylate	9.676	41	3857	1.967	ug/l	# 29
51) 4-Methyl-2-Pentanone	10.453	43	11363	4.472	ug/l	# 68
53) t-1,3-Dichloropropene	10.729	75	894	0.298	ug/l	# 6
54) cis-1,3-Dichloropropene	10.365	75	44588	13.916	ug/l	# 73
56) Ethyl methacrylate	10.988	69	2307	0.823	ug/l	# 1
57) 1,3-Dichloropropane	11.206	76	6680	1.946	ug/l	# 42
59) 2-Hexanone	11.176	43	118913	64.615	ug/l	# 19
71) Bromoform	12.853	173	593	0.345	ug/l	# 28
74) N-amyl acetate	12.488	43	1391	0.566	ug/l	# 38
76) 1,2,3-Trichloropropane	12.859	75	55053	28.688	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.859	75	55053	78.869	ug/l	# 15

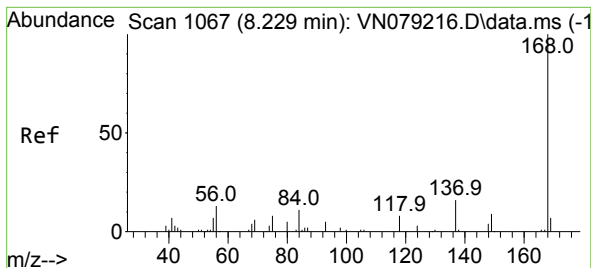
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Sep 12 05:05:24 2023
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

Instrument :

MSVOA_N

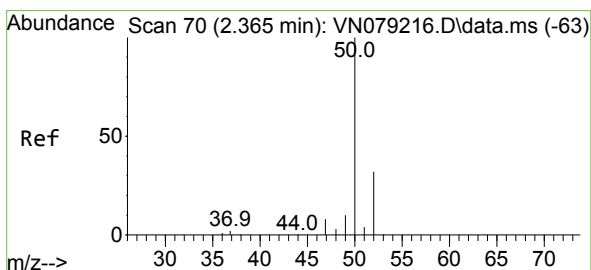
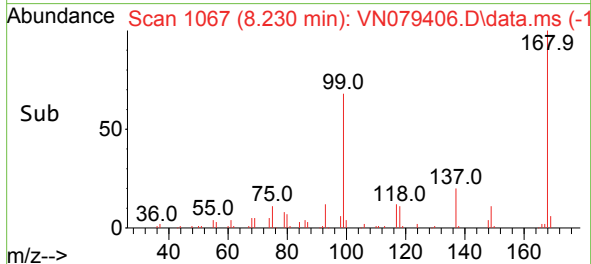
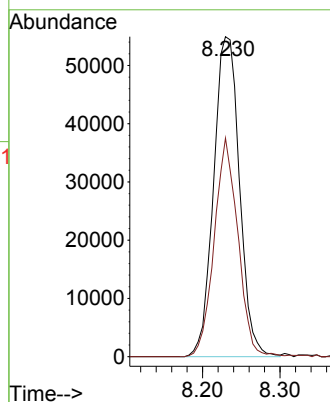
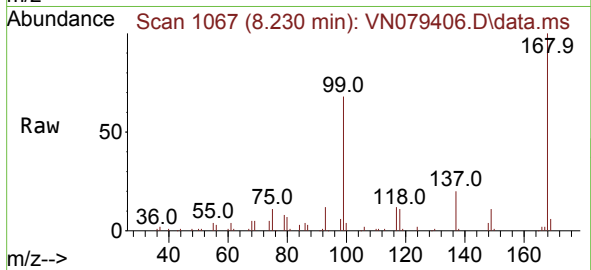
ClientSampleId :

Tgt Ion:168 Resp: 127471

Ion Ratio Lower Upper

168 100

99 68.3 53.0 79.6



#3

Chloromethane

Concen: 0.485 ug/l

RT: 2.365 min Scan# 70

Delta R.T. -0.006 min

Lab File: VN079406.D

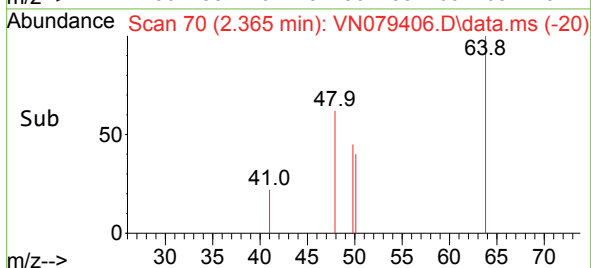
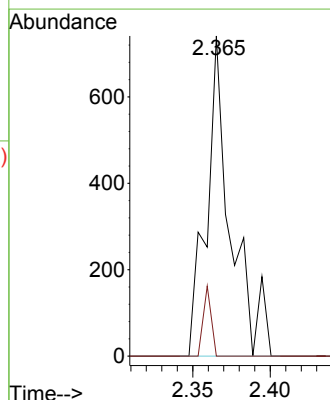
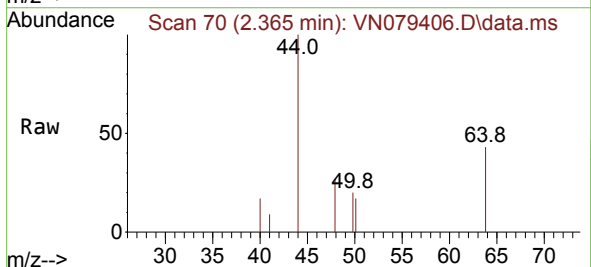
Acq: 04 Oct 2023 16:23

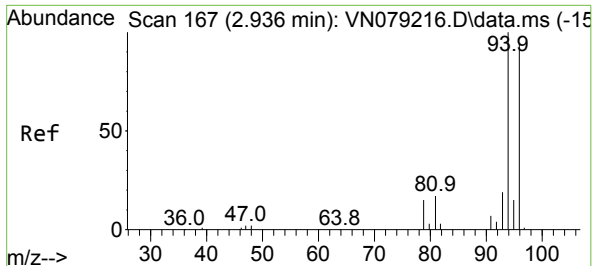
Tgt Ion: 50 Resp: 803

Ion Ratio Lower Upper

50 100

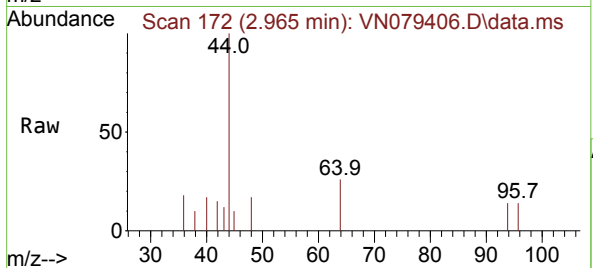
52 0.0 26.5 39.7#



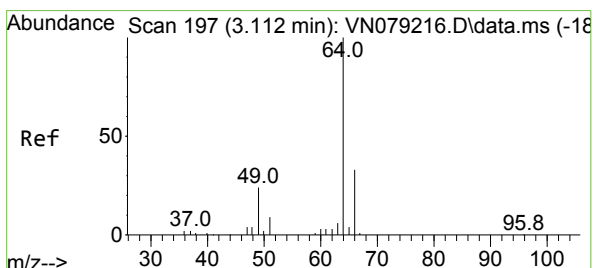
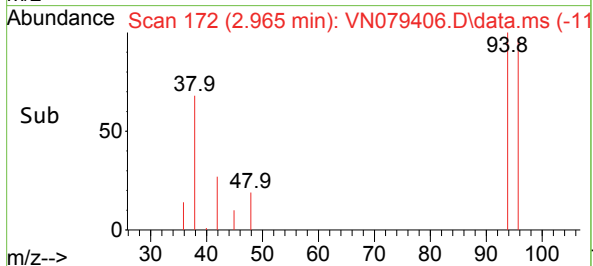
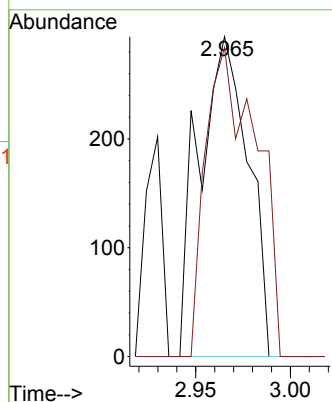


#5
Bromomethane
Concen: 0.512 ug/l
RT: 2.965 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Instrument :
MSVOA_N
ClientSampleId :

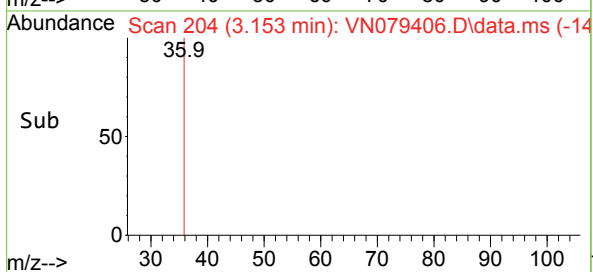
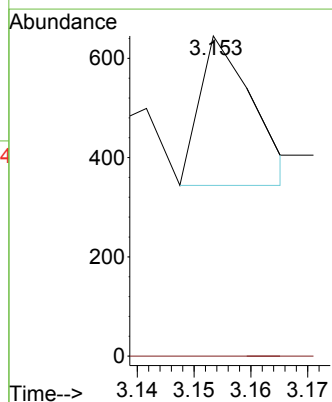
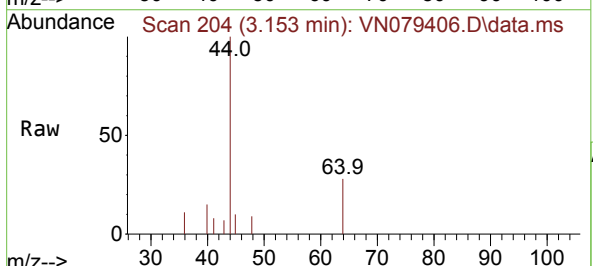


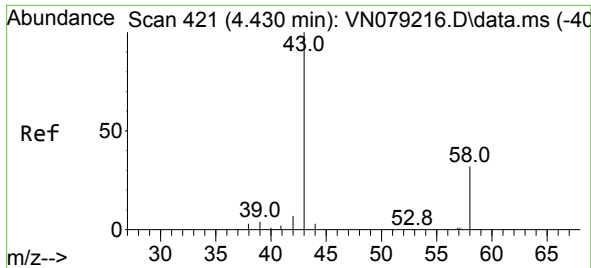
Tgt Ion: 94 Resp: 531
Ion Ratio Lower Upper
94 100
96 96.6 73.1 109.7



#6
Chloroethane
Concen: Below Cal
RT: 3.153 min Scan# 204
Delta R.T. 0.035 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Tgt Ion: 64 Resp: 197
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#

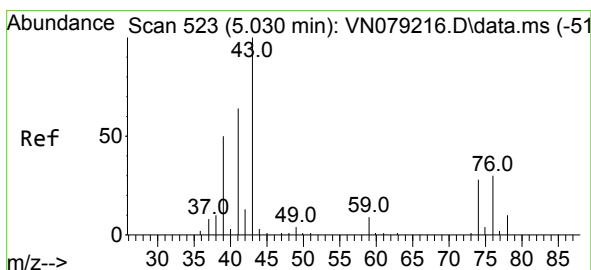
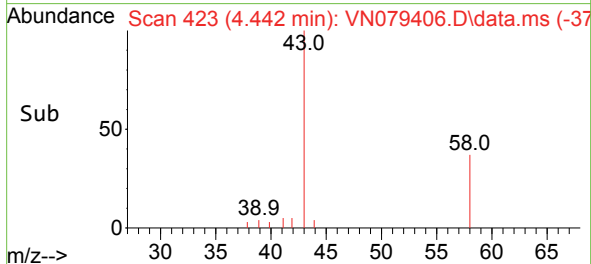
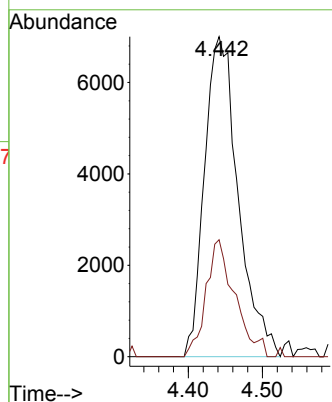
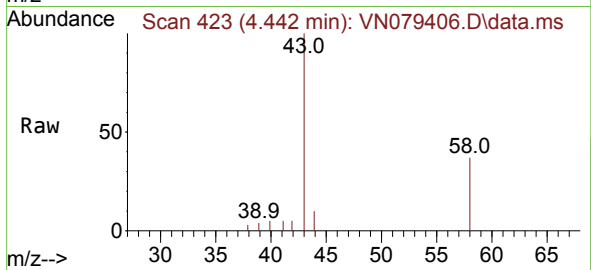




#16
Acetone
Concen: 30.257 ug/l
RT: 4.442 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

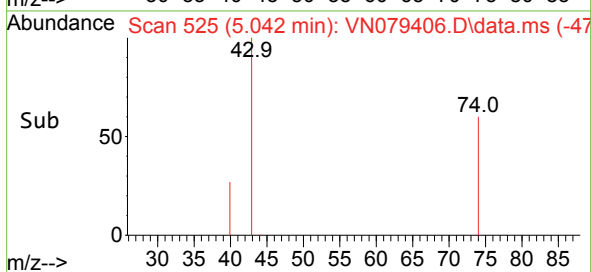
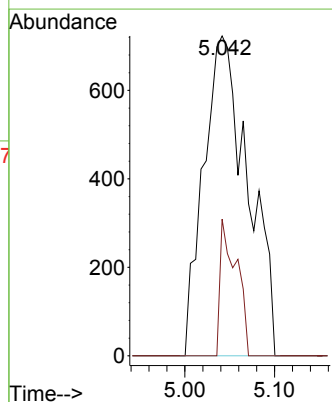
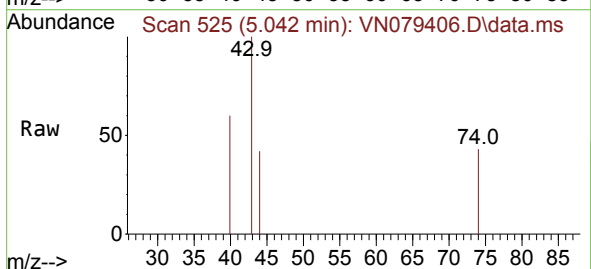
Instrument :
MSVOA_N
ClientSampleId :

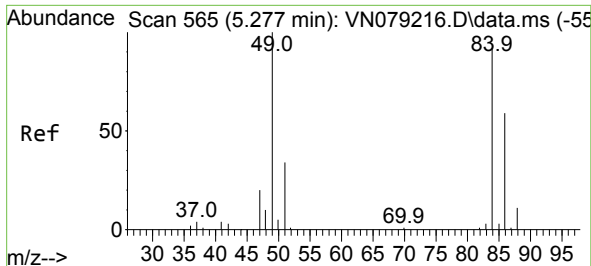
Tgt Ion: 43 Resp: 22112
Ion Ratio Lower Upper
43 100
58 36.5 28.0 42.0



#18
Methyl Acetate
Concen: 0.825 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

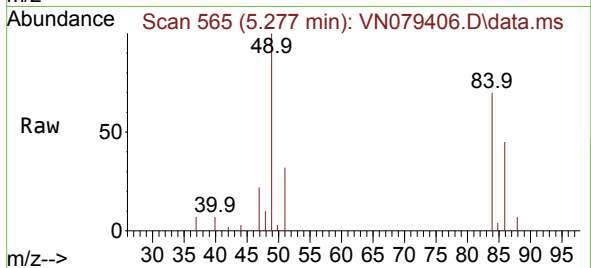
Tgt Ion: 43 Resp: 2478
Ion Ratio Lower Upper
43 100
74 15.8 26.2 39.4#



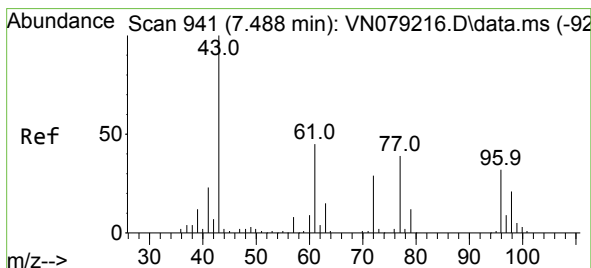
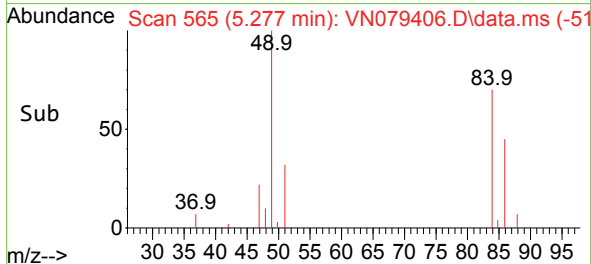
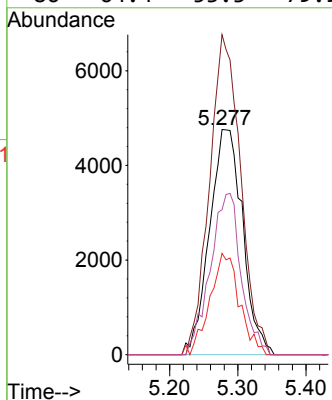


#20
Methylene Chloride
Concen: 9.028 ug/l
RT: 5.277 min Scan# 50
Delta R.T. -0.006 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Instrument :
MSVOA_N
ClientSampleId :

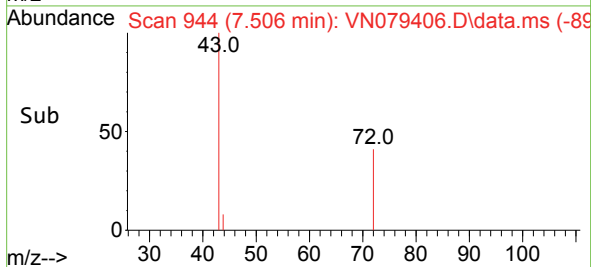
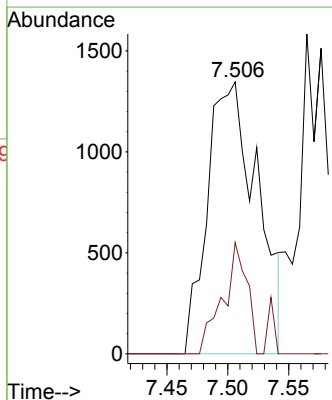
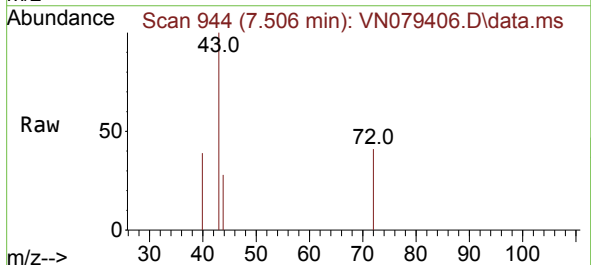


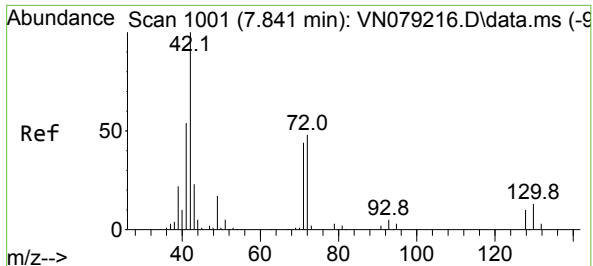
Tgt Ion:	84	Resp:	16056
Ion	Ratio	Lower	Upper
84	100		
49	142.1	79.7	119.5#
51	45.0	25.2	37.8#
86	64.4	53.3	79.9



#25
2-Butanone
Concen: 3.613 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Tgt Ion:	43	Resp:	3831
Ion	Ratio	Lower	Upper
43	100		
72	40.9	30.2	45.2





#29

Tetrahydrofuran

Concen: 0.568 ug/l

RT: 7.847 min Scan# 10

Delta R.T. 0.000 min

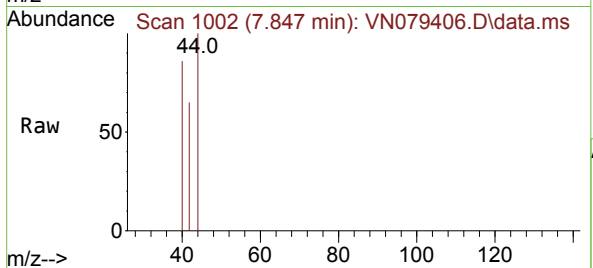
Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

Instrument :

MSVOA_N

ClientSampleId :



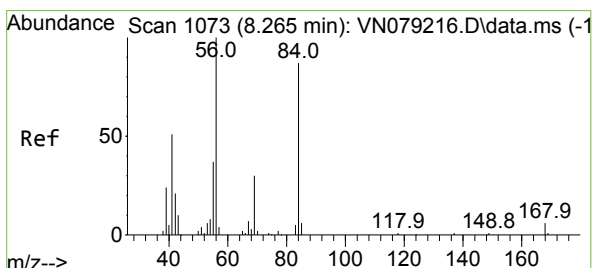
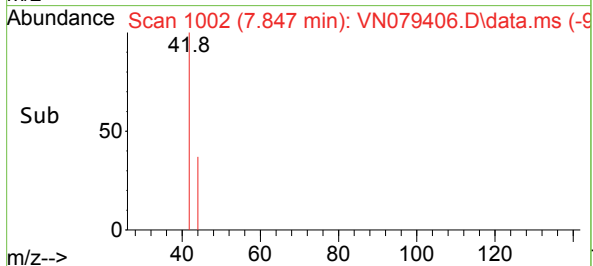
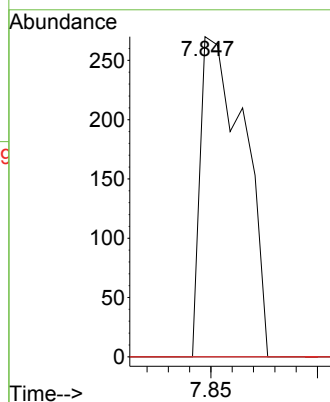
Tgt Ion: 42 Resp: 383

Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

71 0.0 47.4 71.2#



#31

Cyclohexane

Concen: 1.437 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.030 min

Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

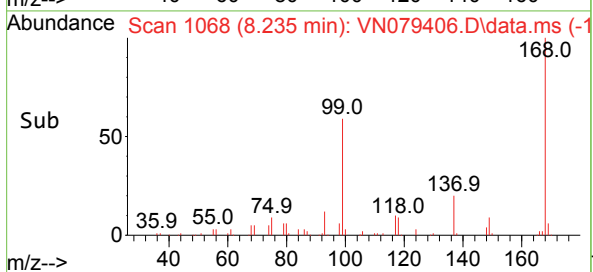
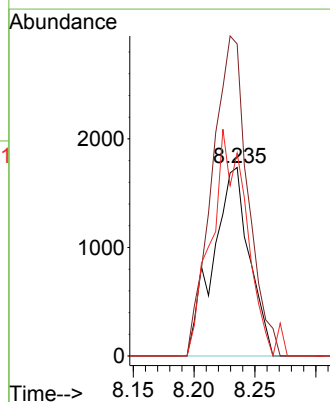
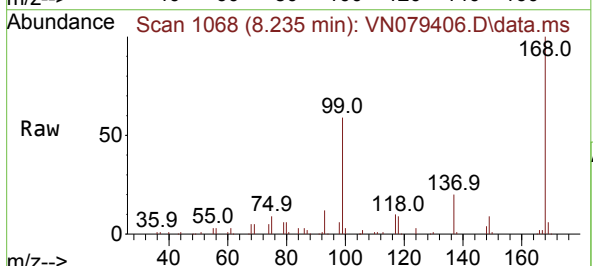
Tgt Ion: 56 Resp: 3610

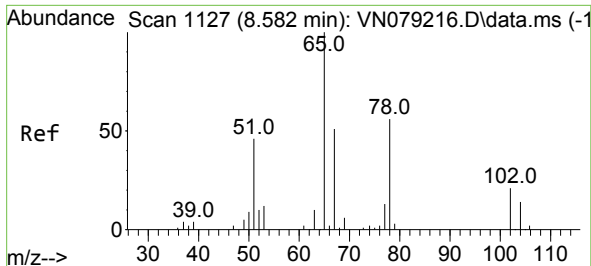
Ion Ratio Lower Upper

56 100

69 165.6 26.8 40.2#

84 107.8 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 66.649 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.001 min

Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

Instrument :

MSVOA_N

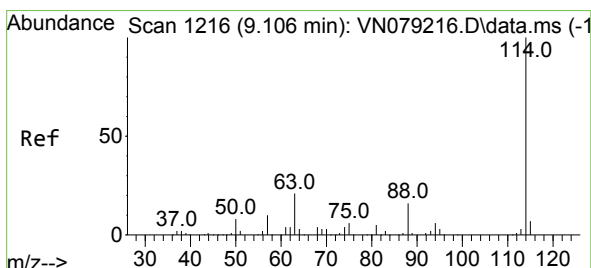
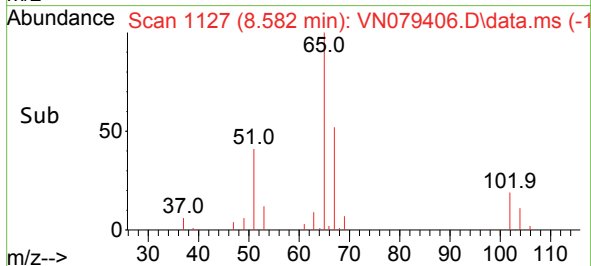
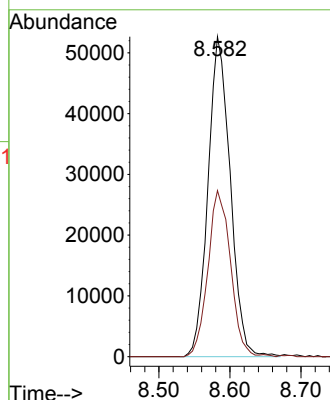
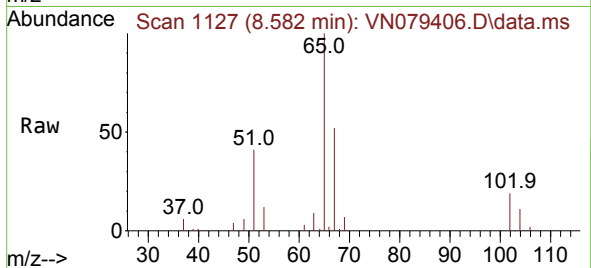
ClientSampleId :

Tgt Ion: 65 Resp: 114685

Ion Ratio Lower Upper

65 100

67 52.6 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: VN079406.D

Acq: 04 Oct 2023 16:23

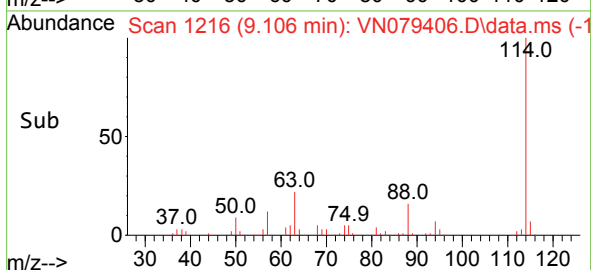
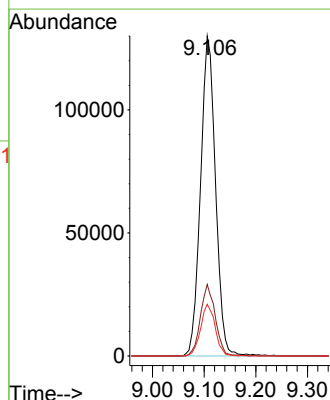
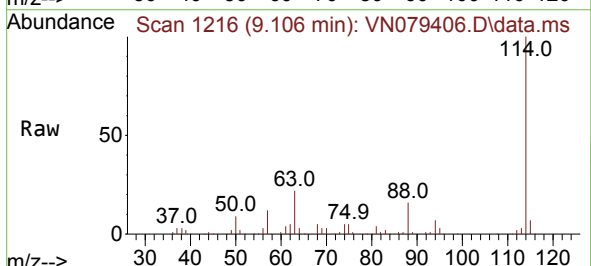
Tgt Ion: 114 Resp: 262315

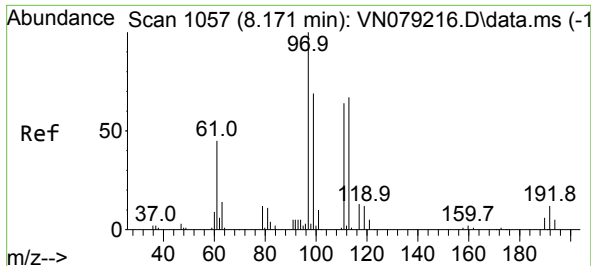
Ion Ratio Lower Upper

114 100

63 22.3 0.0 36.4

88 16.2 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.626 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

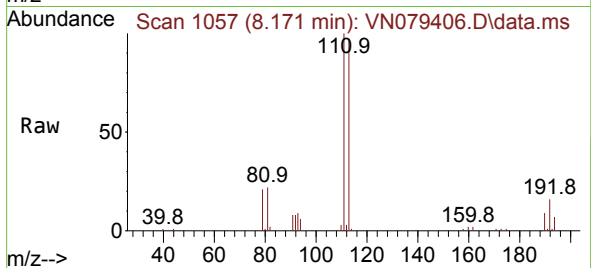
Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

Instrument :

MSVOA_N

ClientSampleId :



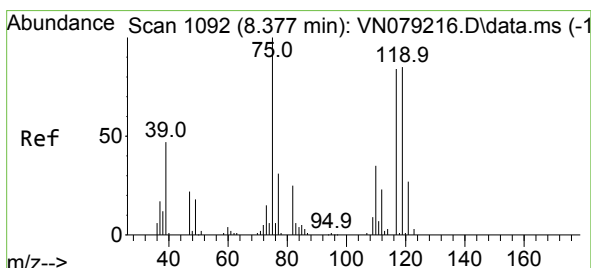
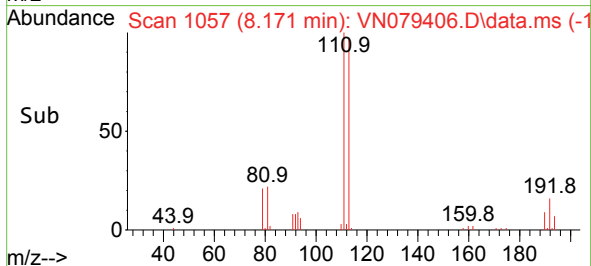
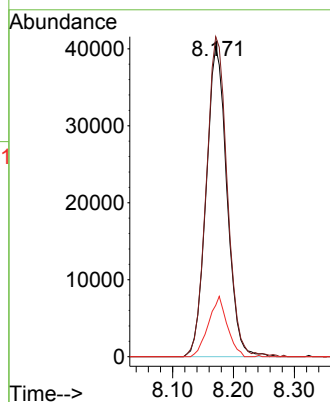
Tgt Ion:113 Resp: 95315

Ion Ratio Lower Upper

113 100

111 104.4 82.6 123.8

192 17.6 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.667 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

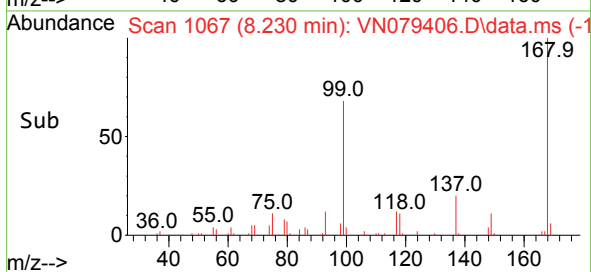
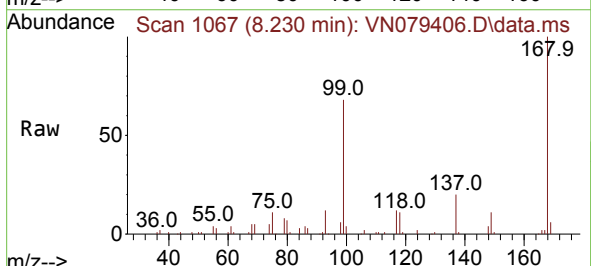
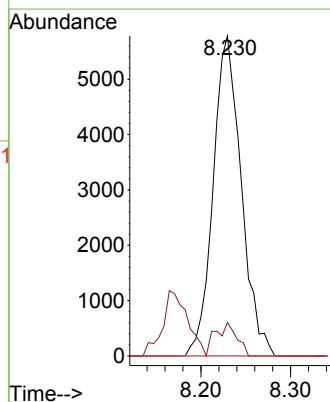
Tgt Ion: 75 Resp: 12553

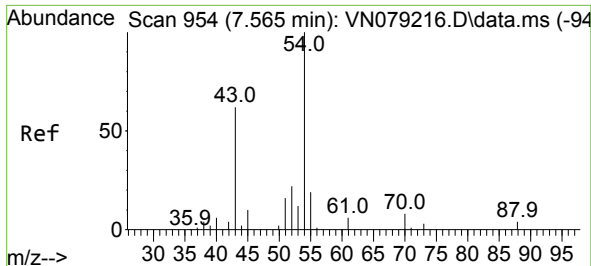
Ion Ratio Lower Upper

75 100

110 8.0 19.1 57.3#

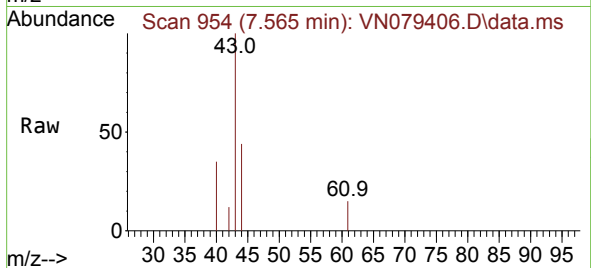
77 0.0 25.0 37.4#



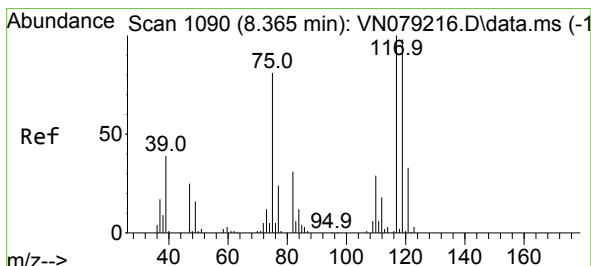
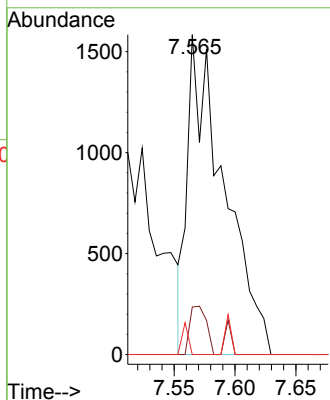
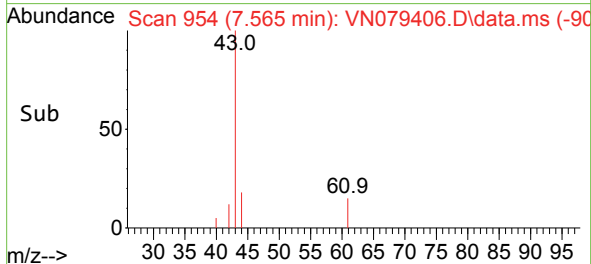


#37
Ethyl Acetate
Concen: 1.226 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Instrument :
MSVOA_N
ClientSampleId :

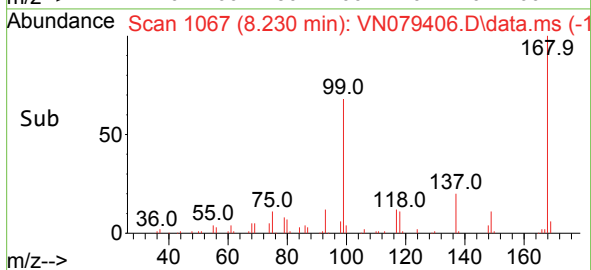
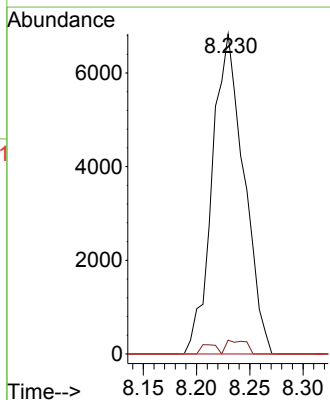
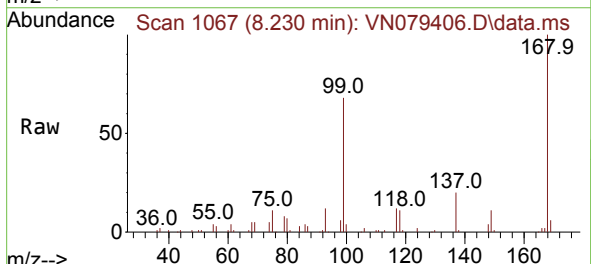


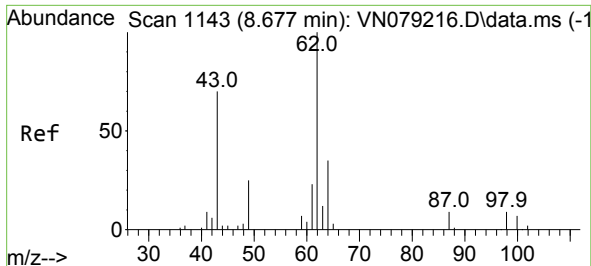
Tgt Ion: 43 Resp: 3289
Ion Ratio Lower Upper
43 100
61 6.9 13.2 19.8#
70 1.7 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 5.081 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Tgt Ion: 117 Resp: 14141
Ion Ratio Lower Upper
117 100
119 4.3 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.283 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.011 min

Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

Instrument :

MSVOA_N

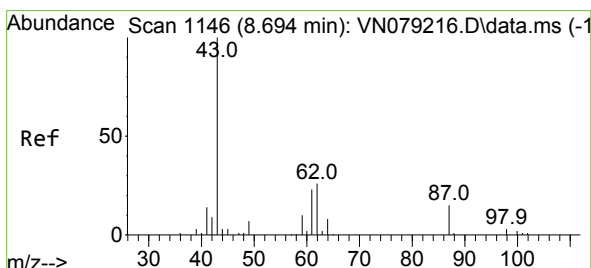
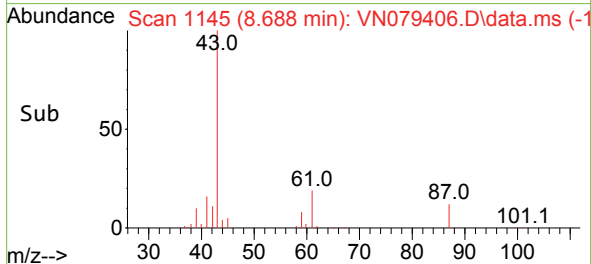
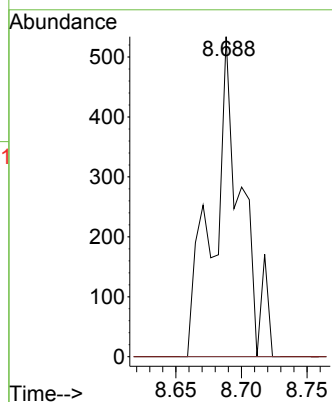
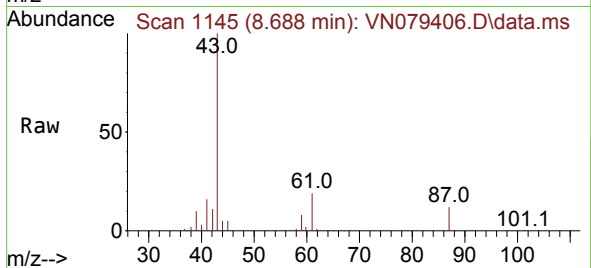
ClientSampleId :

Tgt Ion: 62 Resp: 803

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 31.119 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

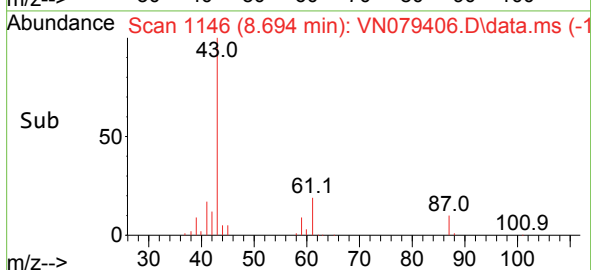
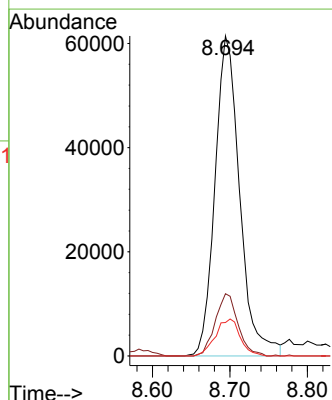
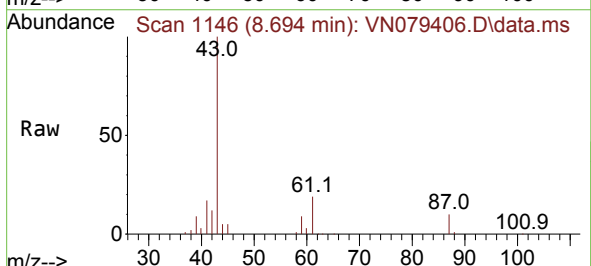
Tgt Ion: 43 Resp: 136210

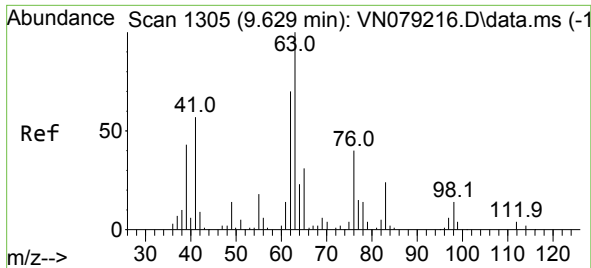
Ion Ratio Lower Upper

43 100

61 17.8 24.7 37.1#

87 11.5 14.6 21.8#

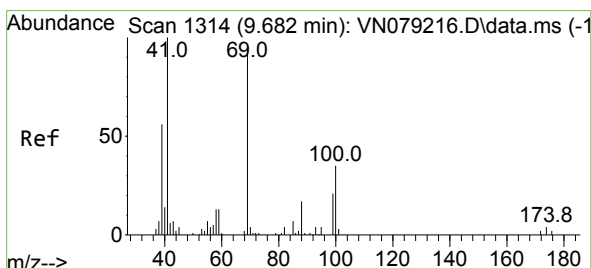
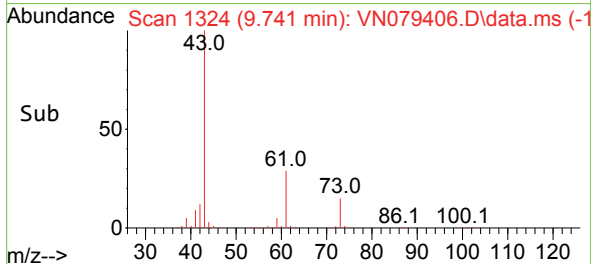
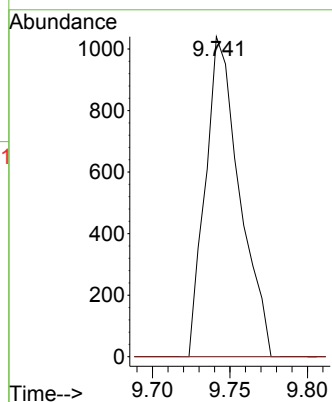
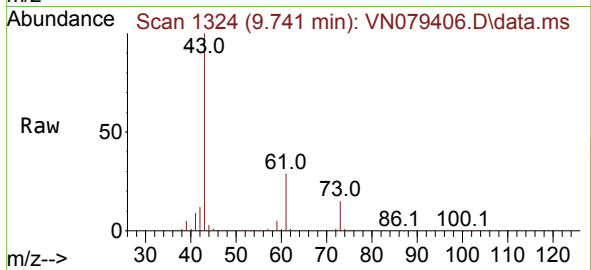




#45
1,2-Dichloropropane
Concen: 0.780 ug/l
RT: 9.741 min Scan# 11
Delta R.T. 0.117 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

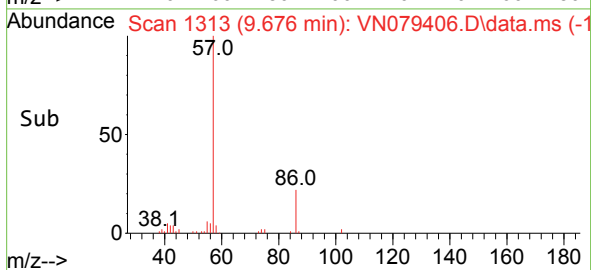
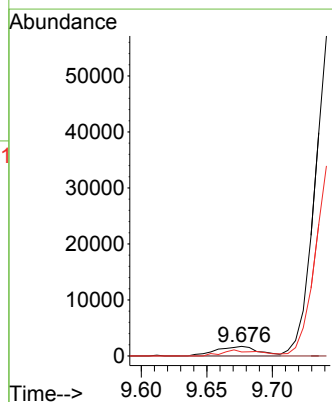
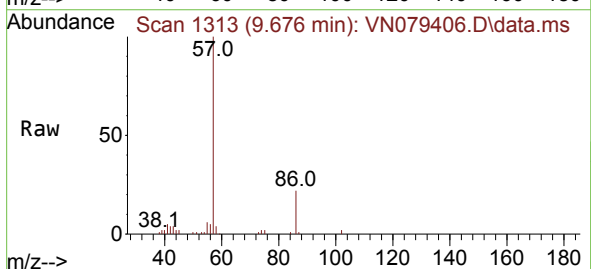
Instrument :
MSVOA_N
ClientSampleId :

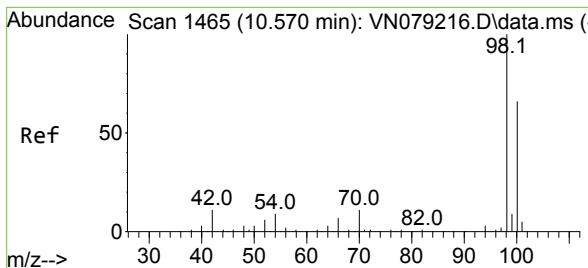
Tgt Ion: 63 Resp: 1593
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.967 ug/l
RT: 9.676 min Scan# 1313
Delta R.T. -0.012 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Tgt Ion: 41 Resp: 3857
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 56.5 54.6 81.8

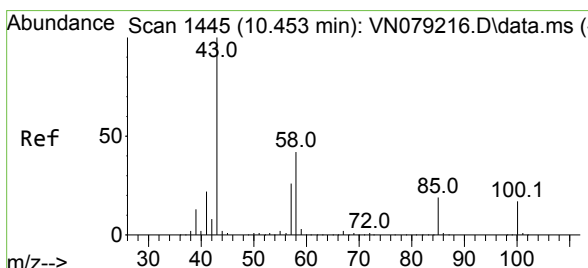
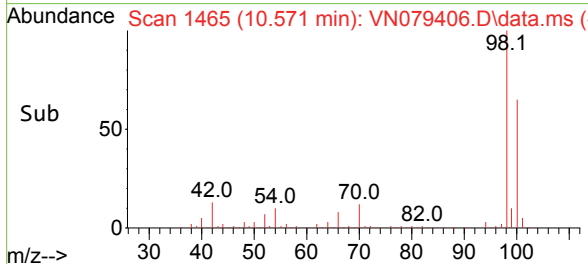
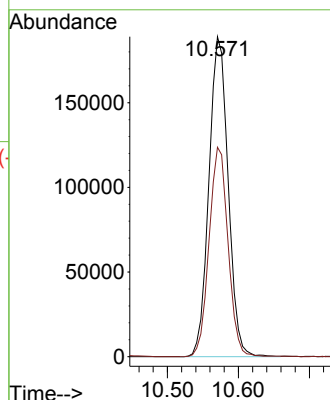
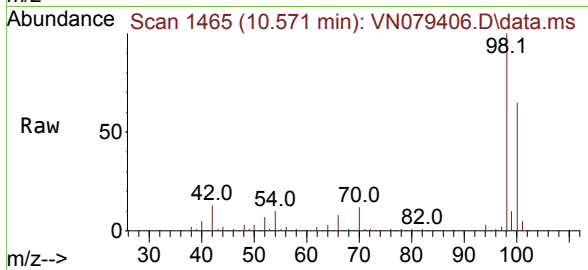




#50
Toluene-d8
Concen: 55.415 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

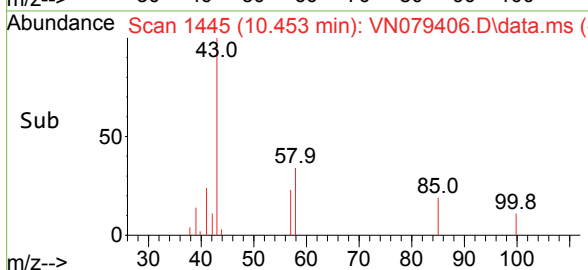
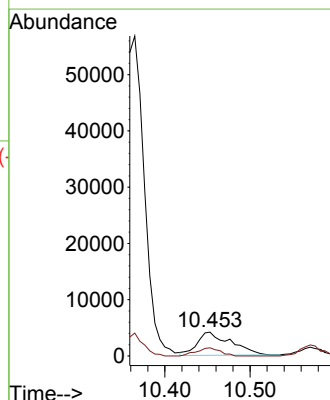
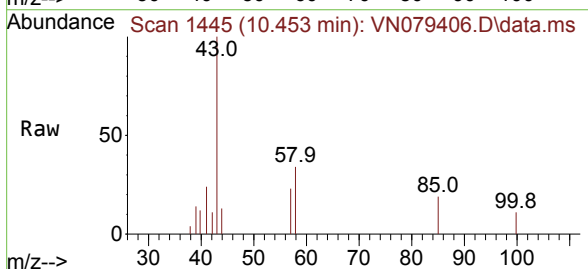
Instrument :
MSVOA_N
ClientSampleId :

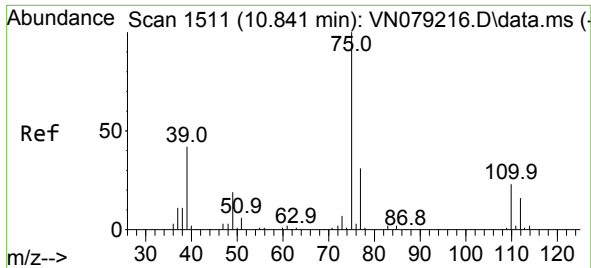
Tgt Ion: 98 Resp: 355038
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 4.472 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Tgt Ion: 43 Resp: 11363
Ion Ratio Lower Upper
43 100
58 24.5 36.6 54.8#

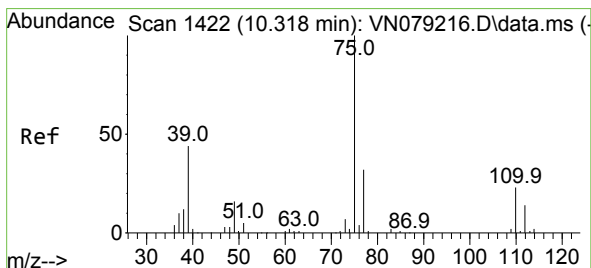
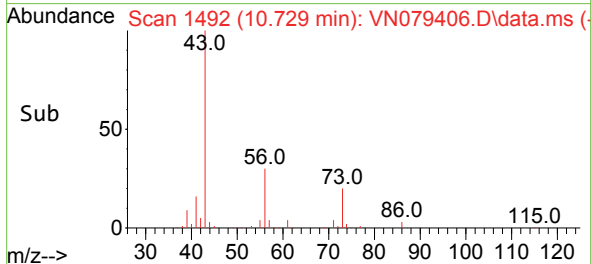
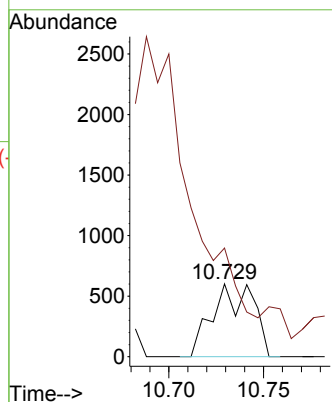
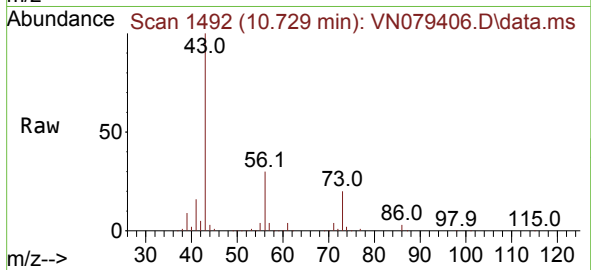




#53
 t-1,3-Dichloropropene
 Concen: 0.298 ug/l
 RT: 10.729 min Scan# 1430
 Delta R.T. -0.112 min
 Lab File: VN079406.D
 Acq: 04 Oct 2023 16:23

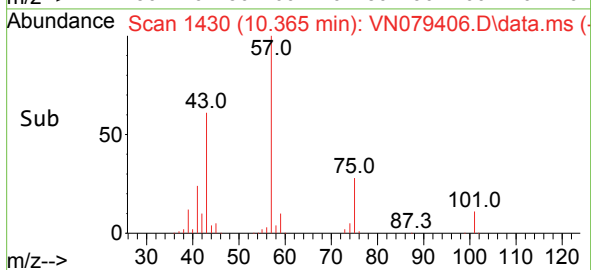
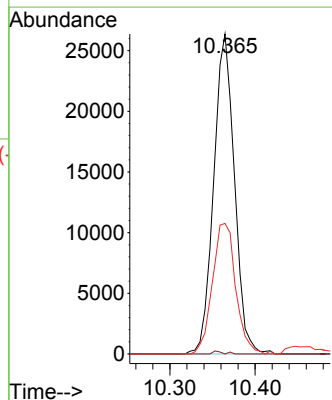
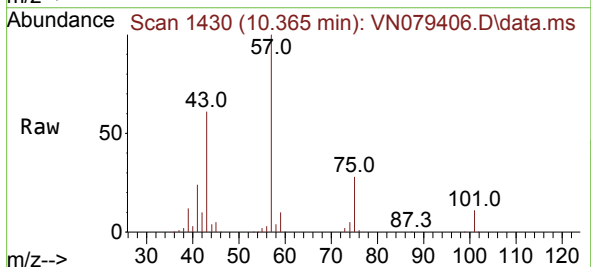
Instrument :
 MSVOA_N
 ClientSampleId :

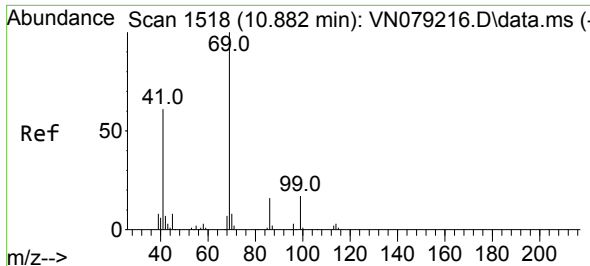
Tgt Ion: 75 Resp: 894
 Ion Ratio Lower Upper
 75 100
 77 83.7 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.916 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079406.D
 Acq: 04 Oct 2023 16:23

Tgt Ion: 75 Resp: 44588
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.1 39.1#
 39 40.8 31.6 47.4

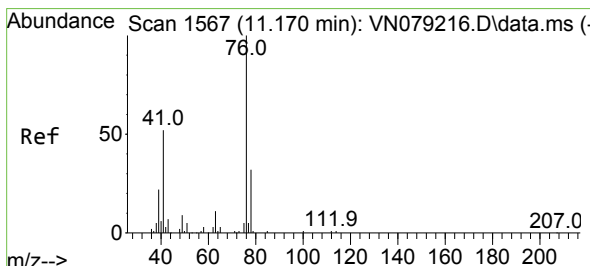
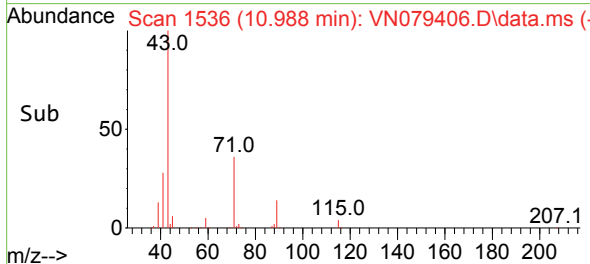
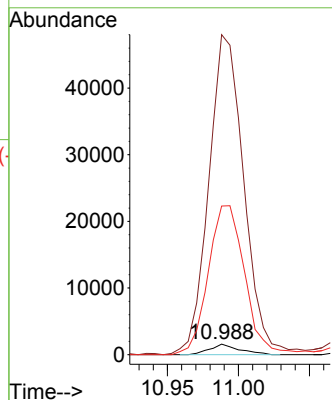
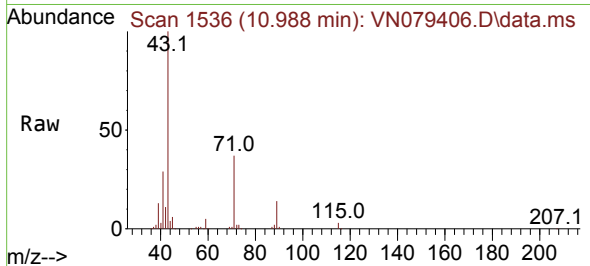




#56
Ethyl methacrylate
Concen: 0.823 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.111 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

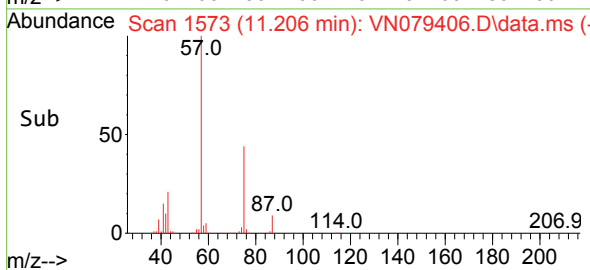
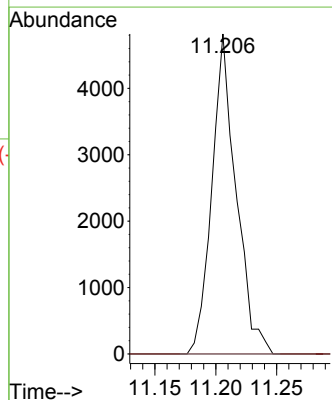
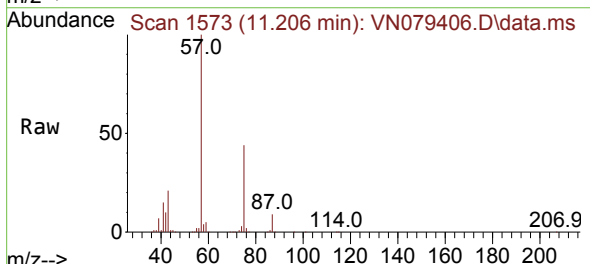
Instrument :
MSVOA_N
ClientSampleId :

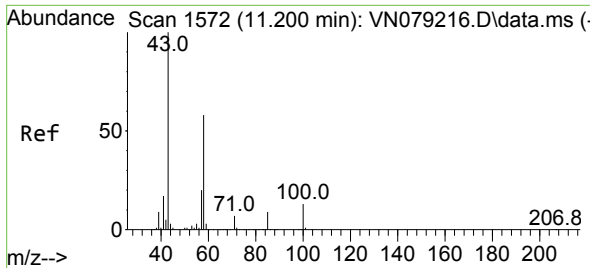
Tgt Ion: 69 Resp: 2307
Ion Ratio Lower Upper
69 100
41 3587.4 39.6 59.4#
39 1743.8 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.946 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Tgt Ion: 76 Resp: 6680
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

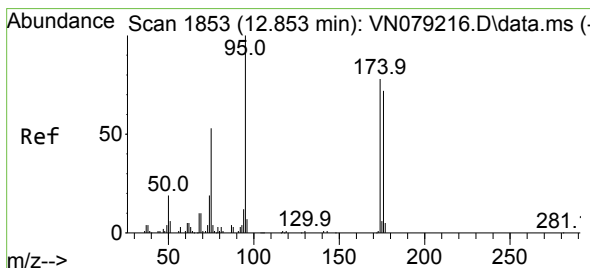
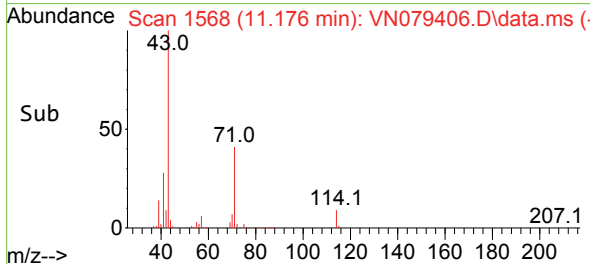
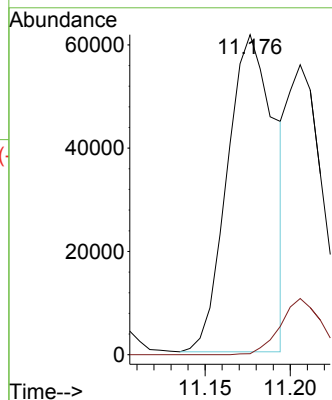
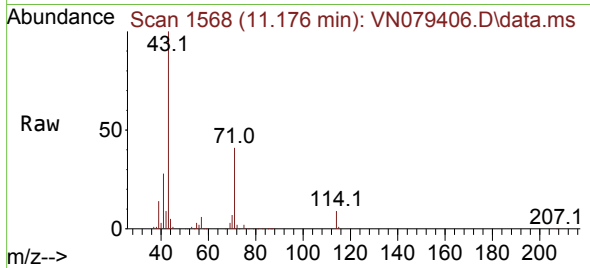




#59
2-Hexanone
Concen: 64.615 ug/l
RT: 11.176 min Scan# 11176
Delta R.T. -0.024 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

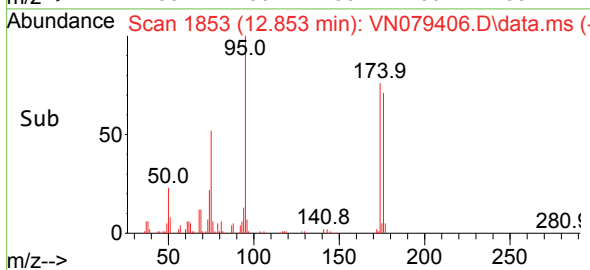
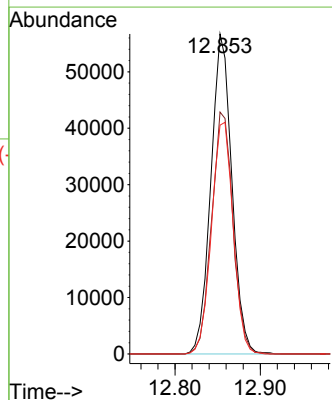
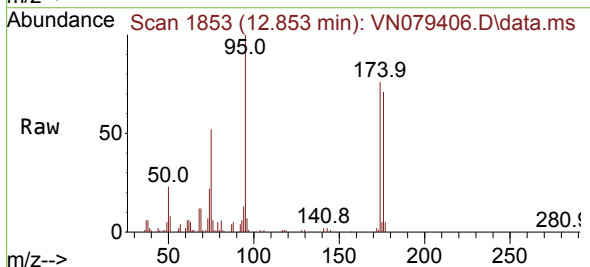
Instrument :
MSVOA_N
ClientSampleId :

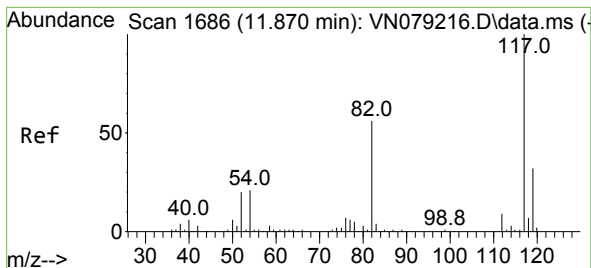
Tgt Ion: 43 Resp: 118913
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 47.529 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Tgt Ion: 95 Resp: 97133
Ion Ratio Lower Upper
95 100
174 77.0 0.0 143.8
176 74.5 0.0 135.8

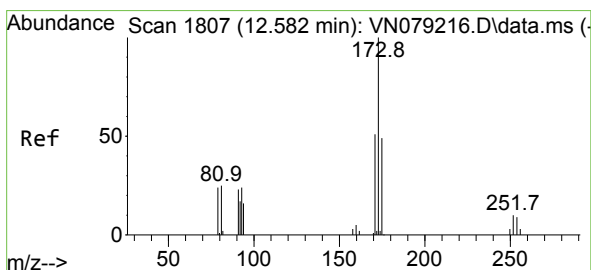
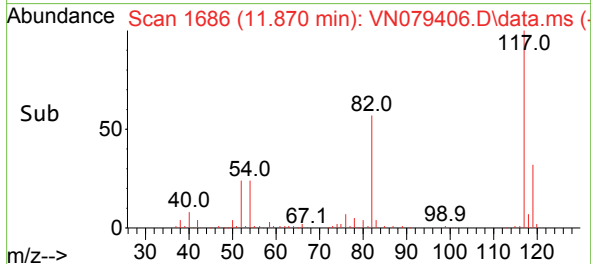
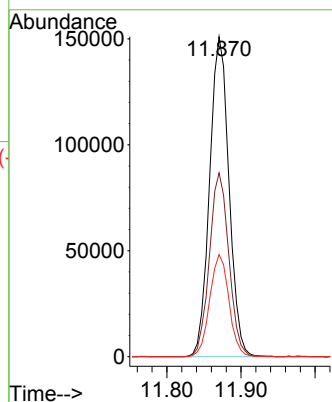
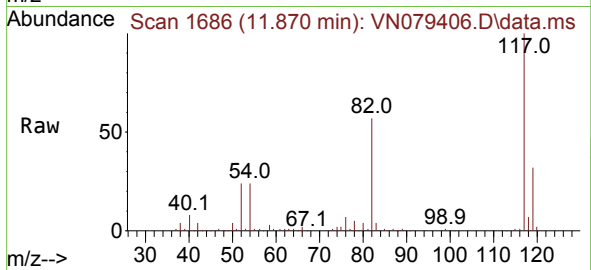




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 117
Delta R.T. -0.001 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

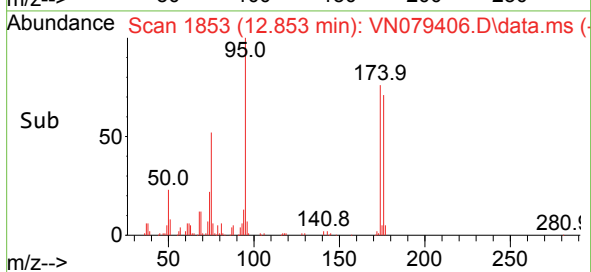
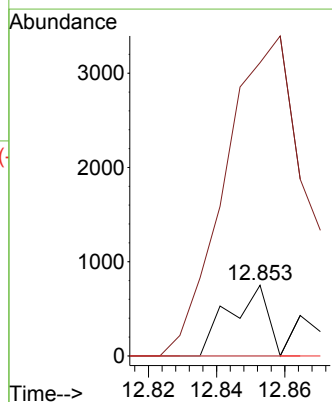
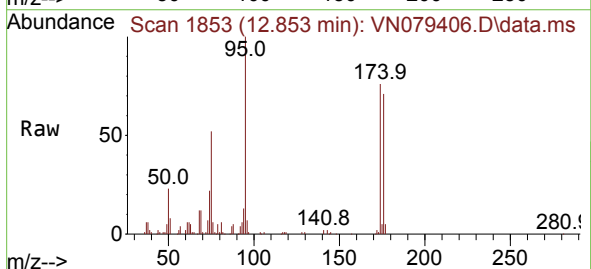
Instrument :
MSVOA_N
ClientSampleId :

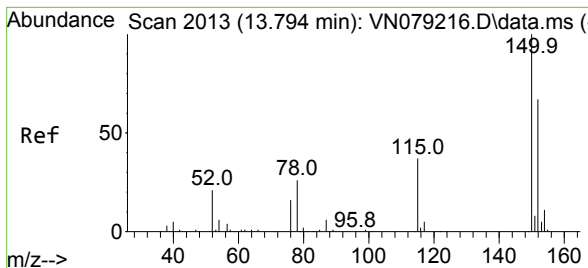
Tgt Ion:117 Resp: 273857
Ion Ratio Lower Upper
117 100
82 57.5 44.0 66.0
119 31.9 25.6 38.4



#71
Bromoform
Concen: 0.345 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079406.D
Acq: 04 Oct 2023 16:23

Tgt Ion:173 Resp: 593
Ion Ratio Lower Upper
173 100
175 0.0 24.3 73.0#
254 0.0 0.0 0.0

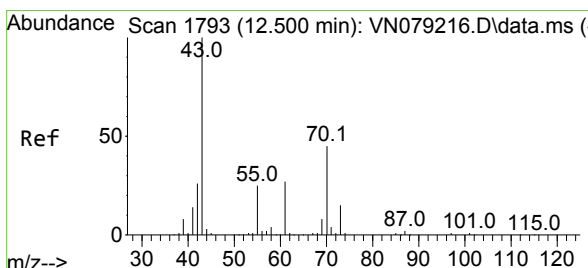
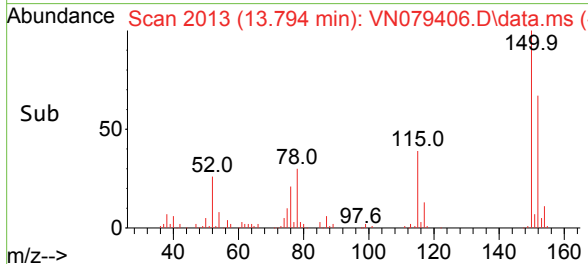
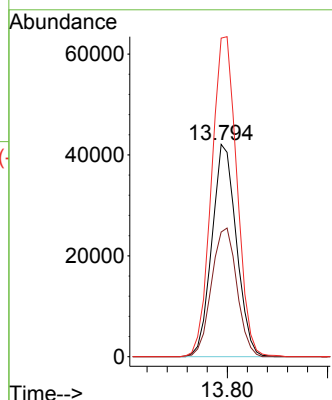
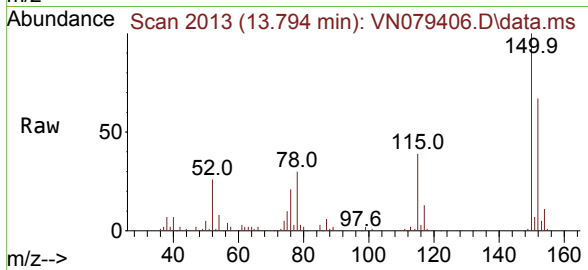




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079406.D
 Acq: 04 Oct 2023 16:23

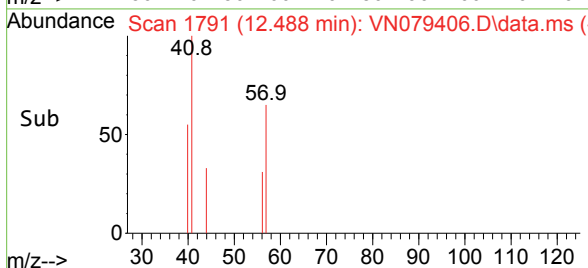
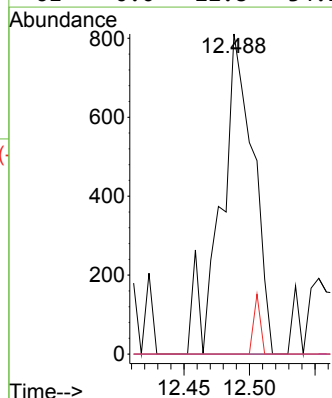
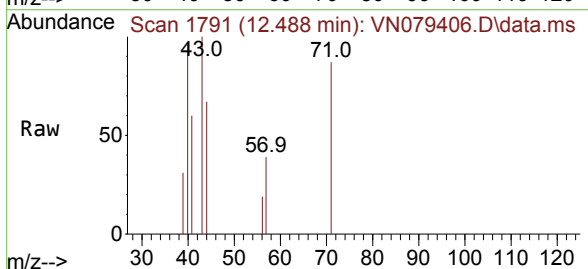
Instrument :
 MSVOA_N
 ClientSampleId :

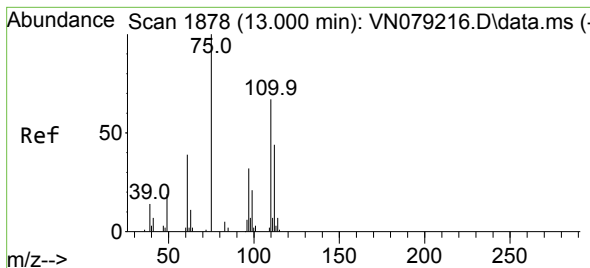
Tgt Ion:152 Resp: 71204
 Ion Ratio Lower Upper
 152 100
 115 62.8 32.3 96.8
 150 156.4 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.566 ug/l
 RT: 12.488 min Scan# 1791
 Delta R.T. -0.012 min
 Lab File: VN079406.D
 Acq: 04 Oct 2023 16:23

Tgt Ion: 43 Resp: 1391
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.4 65.2#
 55 3.9 21.4 32.0#
 61 0.0 22.8 34.2#





#76

1,2,3-Trichloropropane

Concen: 28.688 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. -0.141 min

Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

Instrument :

MSVOA_N

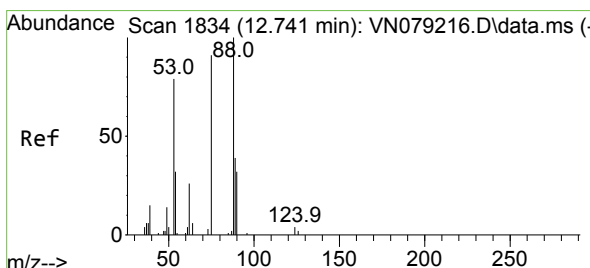
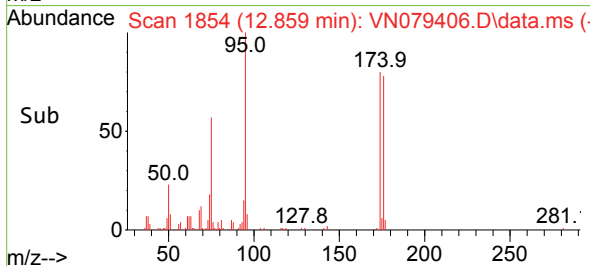
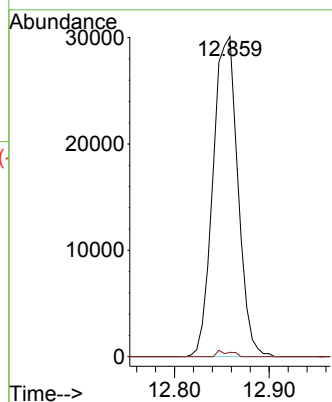
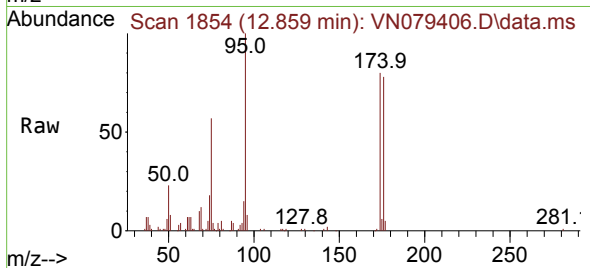
ClientSampleId :

Tgt Ion: 75 Resp: 55053

Ion Ratio Lower Upper

75 100

77 1.1 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 78.869 ug/l

RT: 12.859 min Scan# 1854

Delta R.T. 0.118 min

Lab File: VN079406.D

Acq: 04 Oct 2023 16:23

Tgt Ion: 75 Resp: 55053

Ion Ratio Lower Upper

75 100

53 0.0 67.4 101.2#

89 0.0 38.8 58.2#

