

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN093023\
 Data File : VN079393.D
 Acq On : 30 Sep 2023 17:46
 Operator : JC\MD
 Sample : PB155992ZHE#13
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 02 01:59:24 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)

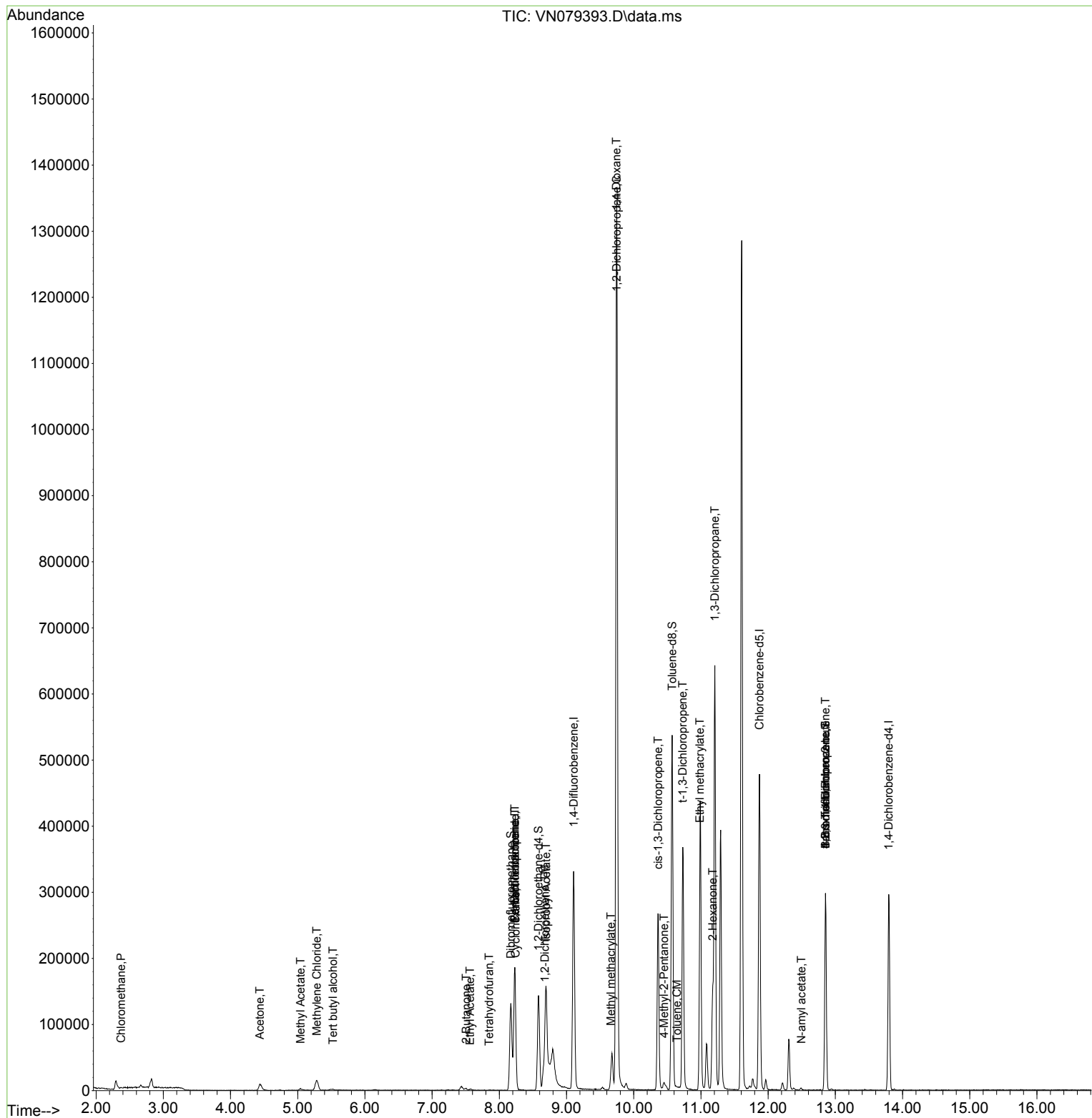
Internal Standards						
1) Pentafluorobenzene	8.230	168	126320	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	274296	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	270752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	76599	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	115277	67.603	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 135.200%#			
35) Dibromofluoromethane	8.171	113	93044	50.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	10.571	98	357622	53.380	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.760%			
62) 4-Bromofluorobenzene	12.853	95	97558	45.652	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.300%			
Target Compounds						Qvalue
3) Chloromethane	2.371	50	525	0.320	ug/l #	42
6) Chloroethane	3.107	64	281	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	646	2.052	ug/l #	72
16) Acetone	4.436	43	19668	27.158	ug/l	89
18) Methyl Acetate	5.042	43	4584	1.540	ug/l #	72
20) Methylene Chloride	5.283	84	11906	6.756	ug/l #	85
25) 2-Butanone	7.506	43	5370	5.111	ug/l	91
29) Tetrahydrofuran	7.847	42	176	0.263	ug/l #	20
31) Cyclohexane	8.241	56	3640	1.462	ug/l #	63
36) 1,1-Dichloropropene	8.230	75	12784	4.546	ug/l #	46
37) Ethyl Acetate	7.565	43	2771	0.988	ug/l #	73
38) Carbon Tetrachloride	8.230	117	14182	4.873	ug/l #	15
42) 1,2-Dichloroethane	8.677	62	915	0.309	ug/l #	73
43) Isopropyl Acetate	8.694	43	214939	46.960	ug/l #	70
45) 1,2-Dichloropropane	9.747	63	1749	0.819	ug/l #	45
48) Methyl methacrylate	9.659	41	3889	1.897	ug/l #	3
49) 1,4-Dioxane	9.741	88	56	1.328	ug/l #	1
51) 4-Methyl-2-Pentanone	10.453	43	12639	4.757	ug/l #	69
52) Toluene	10.641	92	1487	0.281	ug/l	92
53) t-1,3-Dichloropropene	10.730	75	841	0.268	ug/l #	1
54) cis-1,3-Dichloropropene	10.365	75	46020	13.735	ug/l #	73
56) Ethyl methacrylate	10.982	69	2262	0.772	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	6640	1.850	ug/l #	42
59) 2-Hexanone	11.177	43	111101	57.733	ug/l #	19
71) Bromoform	12.853	173	738	0.435	ug/l #	1
74) N-amyl acetate	12.494	43	1831	0.693	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	54832	26.560	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	54832	73.020	ug/l #	15

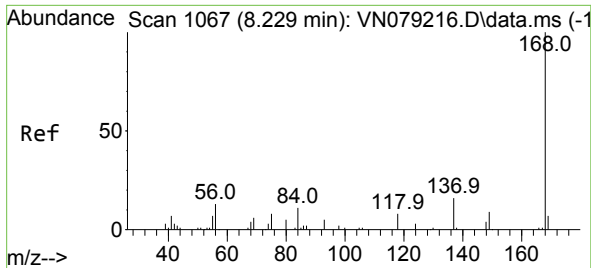
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration

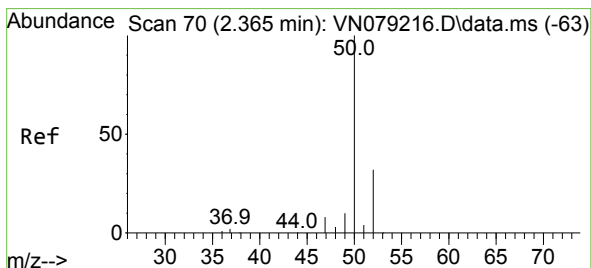
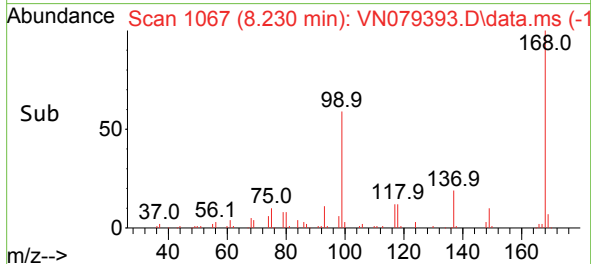
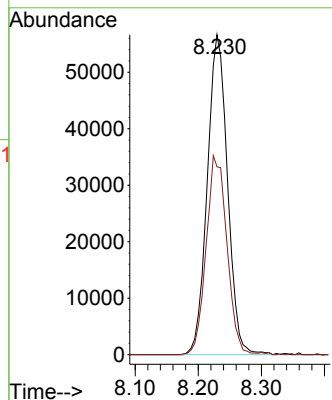
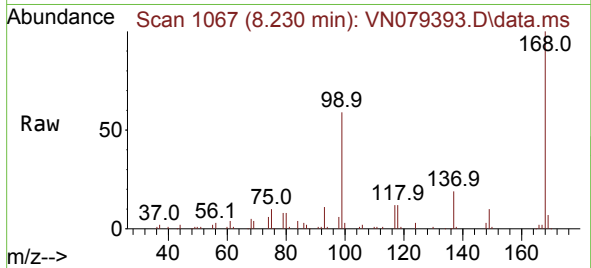




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

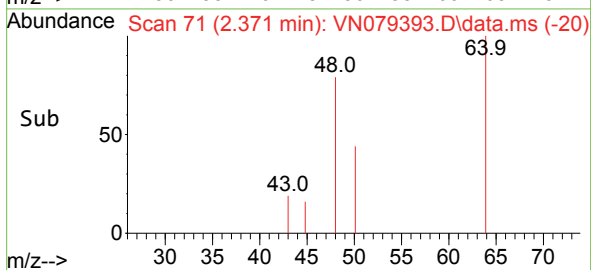
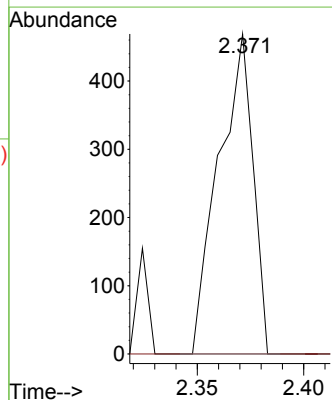
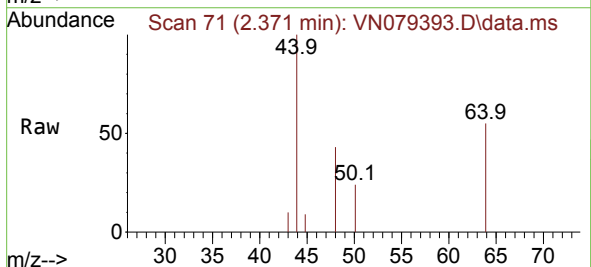
Instrument :
MSVOA_N
ClientSampleId :

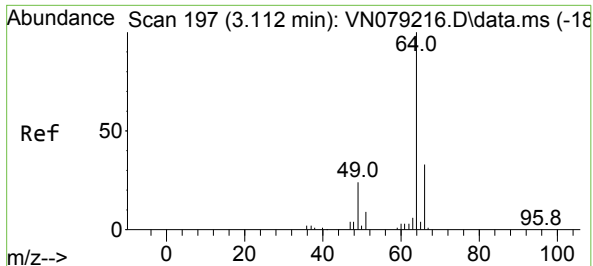
Tgt Ion:168 Resp: 126320
Ion Ratio Lower Upper
168 100
99 58.7 53.0 79.6



#3
Chloromethane
Concen: 0.320 ug/l
RT: 2.371 min Scan# 71
Delta R.T. 0.000 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Tgt Ion: 50 Resp: 525
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

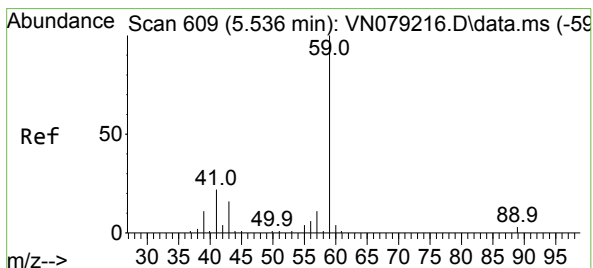
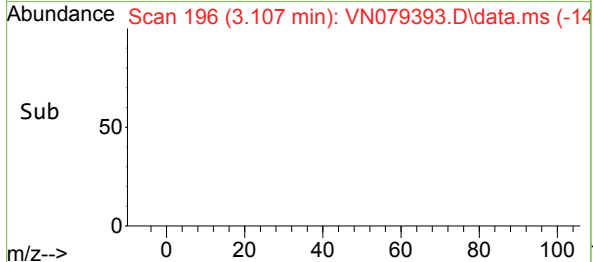
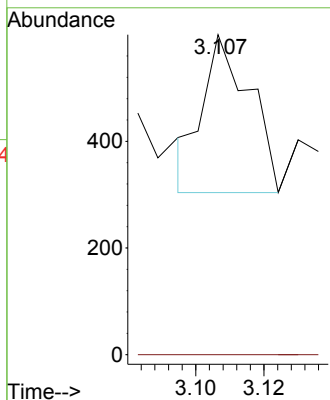
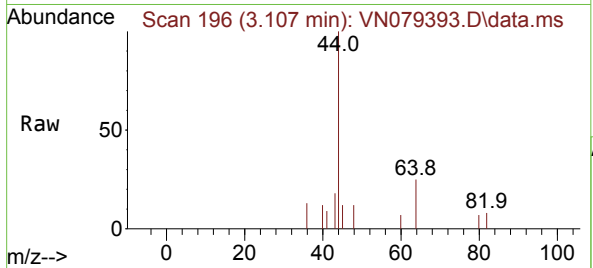




#6
Chloroethane
Concen: Below Cal
RT: 3.107 min Scan# 19
Delta R.T. -0.011 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

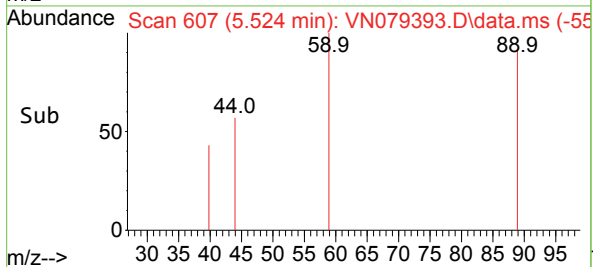
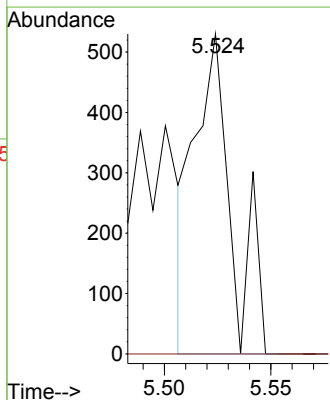
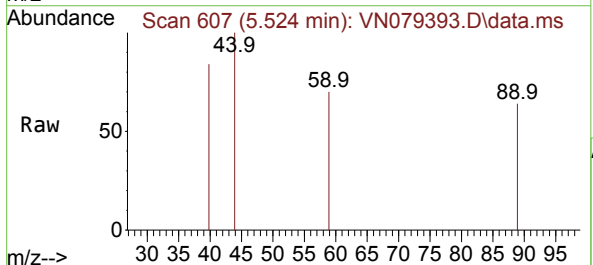
Instrument :
MSVOA_N
ClientSampleId :

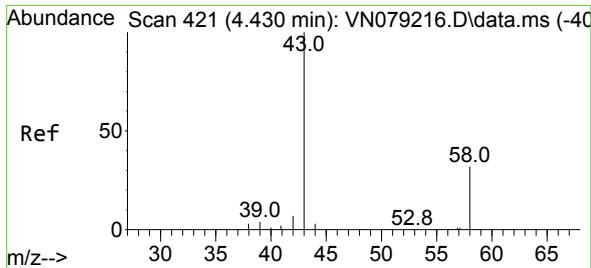
Tgt Ion: 64 Resp: 281
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 2.052 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.018 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Tgt Ion: 59 Resp: 646
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

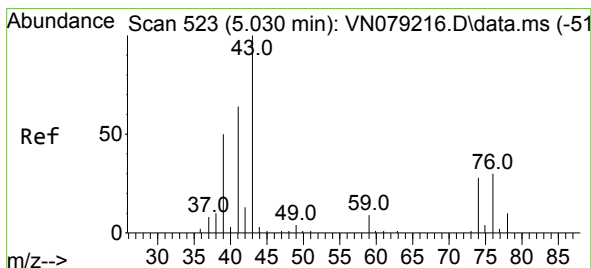
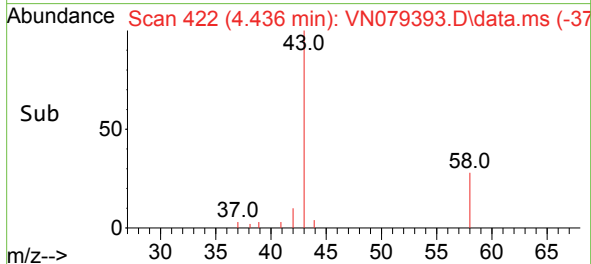
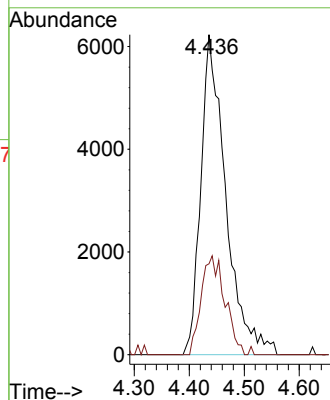
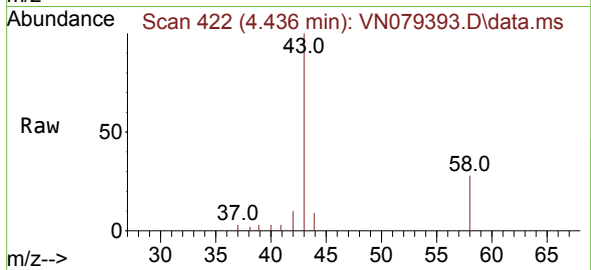




#16
Acetone
Concen: 27.158 ug/l
RT: 4.436 min Scan# 41
Delta R.T. -0.006 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

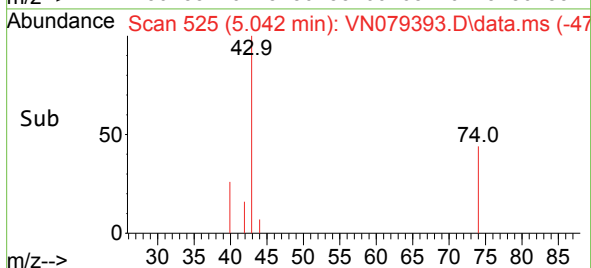
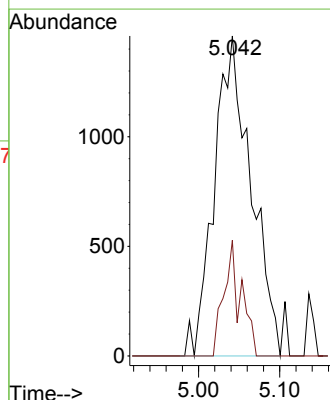
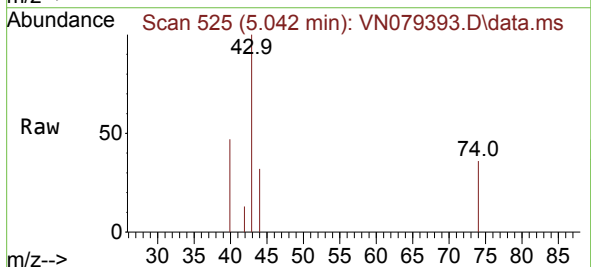
Instrument :
MSVOA_N
ClientSampleId :

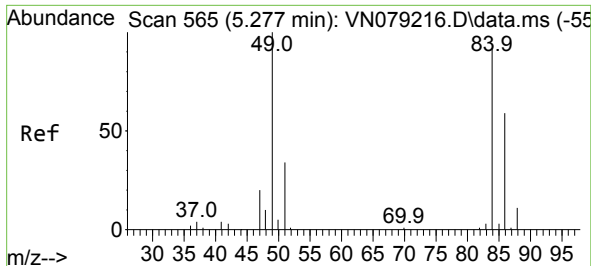
Tgt Ion: 43 Resp: 19668
Ion Ratio Lower Upper
43 100
58 28.4 28.0 42.0



#18
Methyl Acetate
Concen: 1.540 ug/l
RT: 5.042 min Scan# 525
Delta R.T. -0.000 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

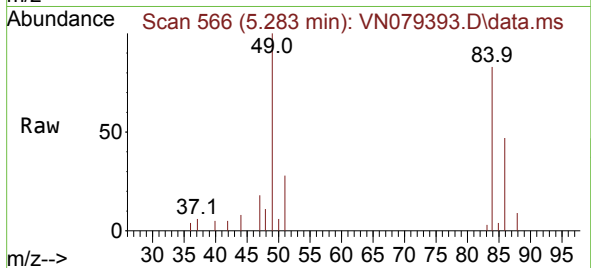
Tgt Ion: 43 Resp: 4584
Ion Ratio Lower Upper
43 100
74 16.9 26.2 39.4#



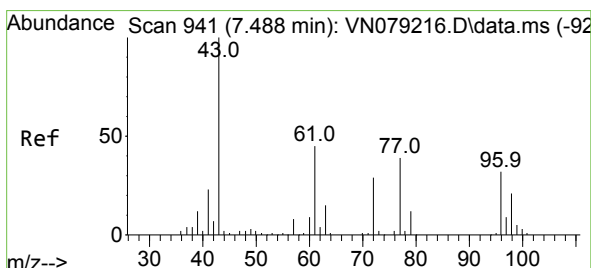
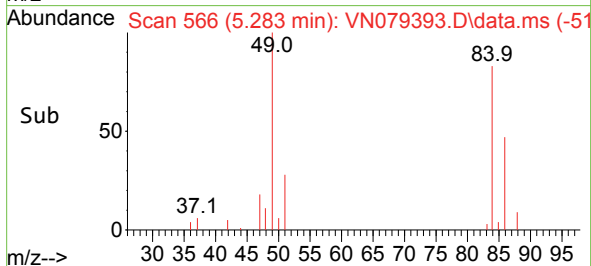
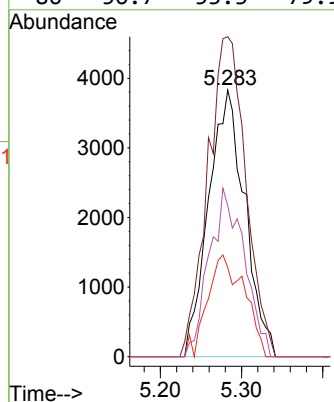


#20
Methylene Chloride
Concen: 6.756 ug/l
RT: 5.283 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :

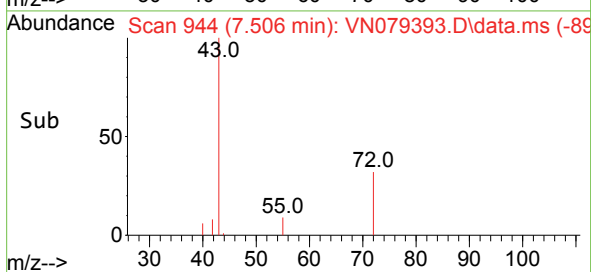
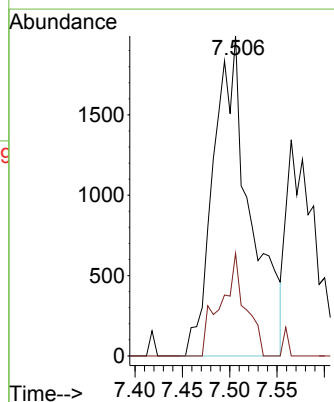
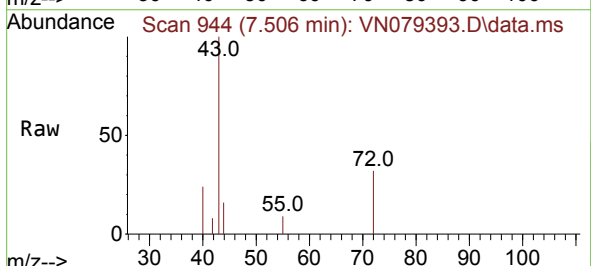


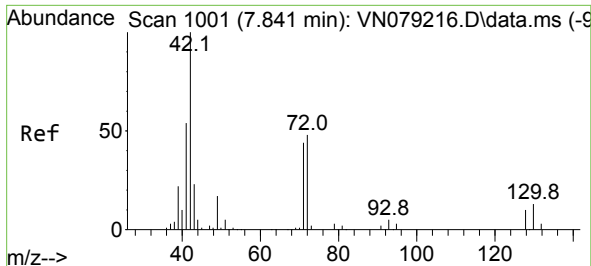
Tgt Ion:	84	Resp:	11906
Ion	Ratio	Lower	Upper
84	100		
49	120.0	79.7	119.5#
51	33.5	25.2	37.8
86	56.7	53.3	79.9



#25
2-Butanone
Concen: 5.111 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

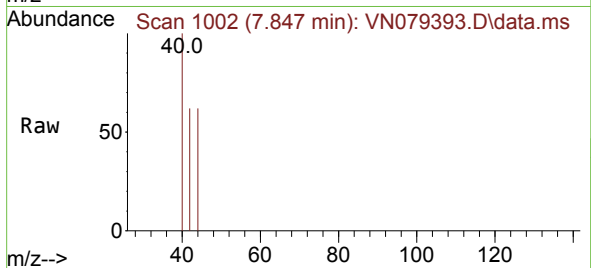
Tgt Ion:	43	Resp:	5370
Ion	Ratio	Lower	Upper
43	100		
72	32.1	30.2	45.2



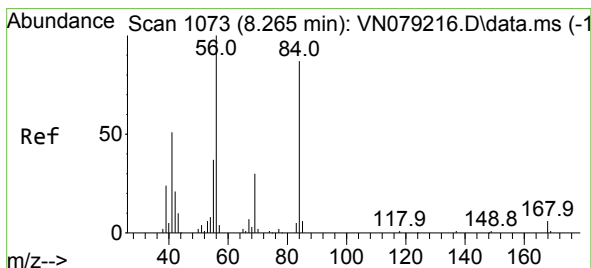
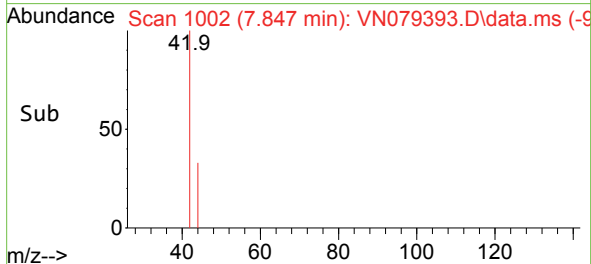
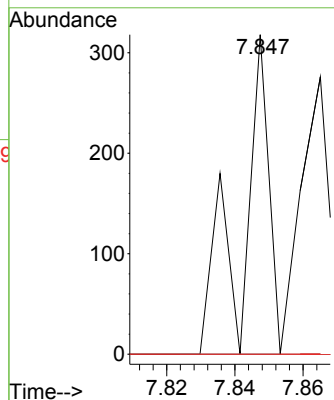


#29
Tetrahydrofuran
Concen: 0.263 ug/l
RT: 7.847 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :

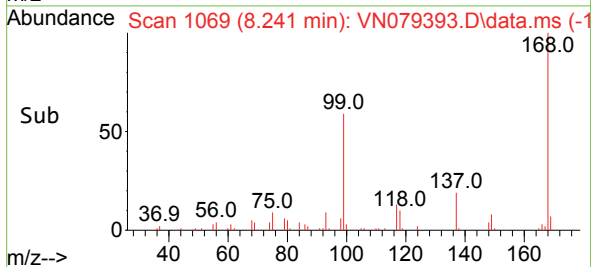
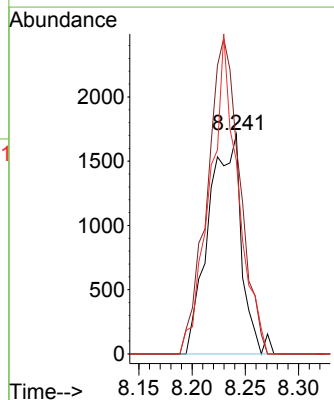
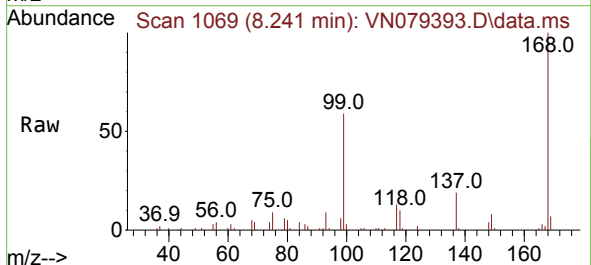


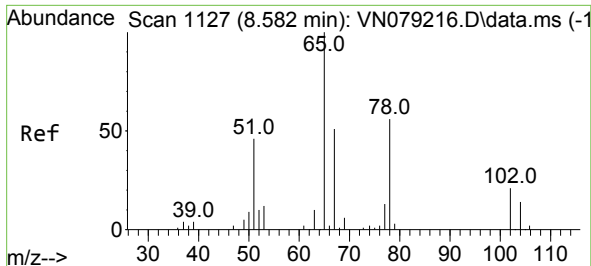
Tgt Ion: 42 Resp: 176
Ion Ratio Lower Upper
42 100
72 0.0 49.8 74.6#
71 0.0 47.4 71.2#



#31
Cyclohexane
Concen: 1.462 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.024 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Tgt Ion: 56 Resp: 3640
Ion Ratio Lower Upper
56 100
69 94.0 26.8 40.2#
84 88.1 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 67.603 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN079393.D

Acq: 30 Sep 2023 17:46

Instrument :

MSVOA_N

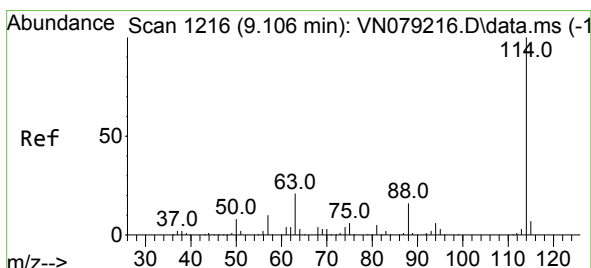
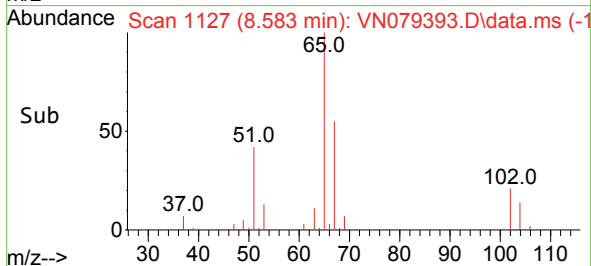
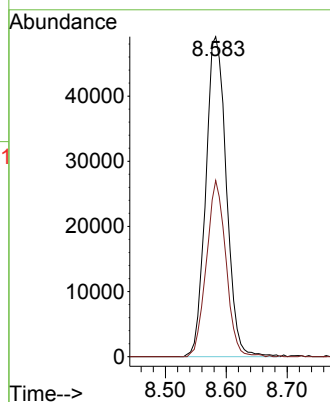
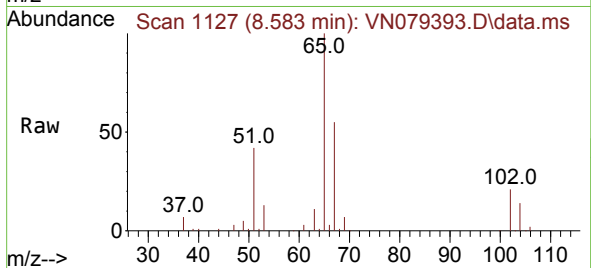
ClientSampleId :

Tgt Ion: 65 Resp: 115277

Ion Ratio Lower Upper

65 100

67 52.3 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: VN079393.D

Acq: 30 Sep 2023 17:46

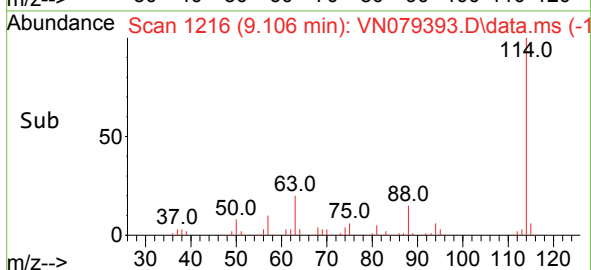
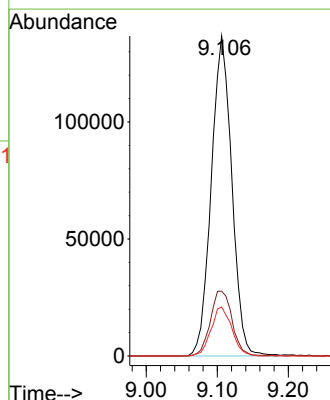
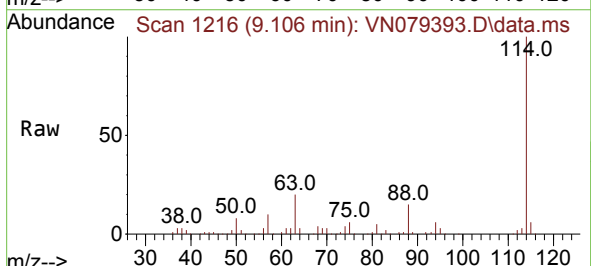
Tgt Ion:114 Resp: 274296

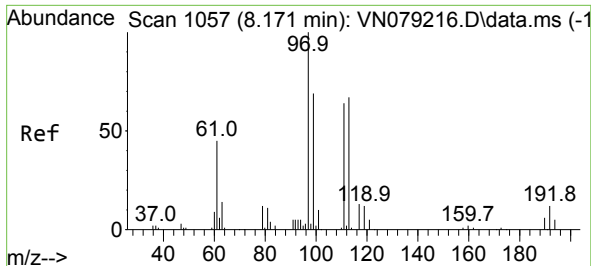
Ion Ratio Lower Upper

114 100

63 20.2 0.0 36.4

88 15.3 0.0 30.6





#35

Dibromofluoromethane

Concen: 50.995 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

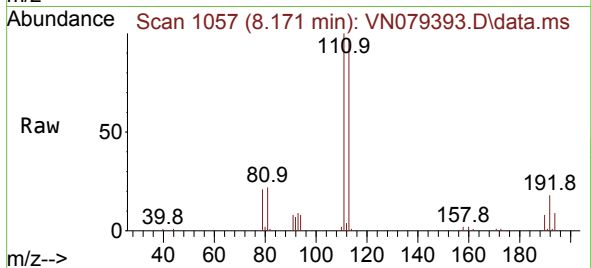
Lab File: VN079393.D

Acq: 30 Sep 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :



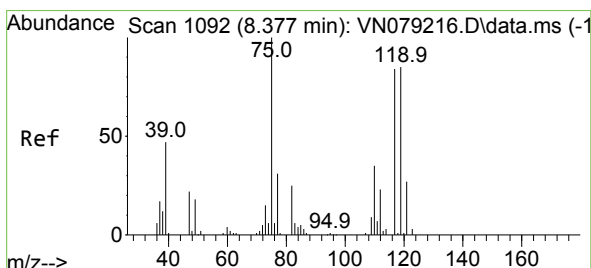
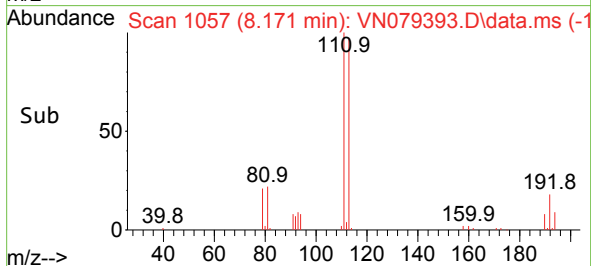
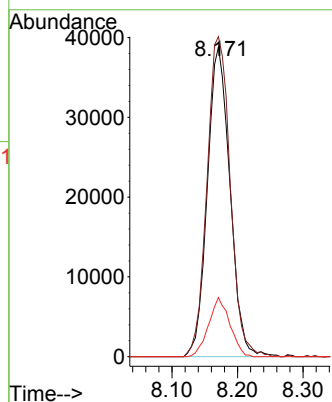
Tgt Ion:113 Resp: 93044

Ion Ratio Lower Upper

113 100

111 106.3 82.6 123.8

192 18.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 4.546 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN079393.D

Acq: 30 Sep 2023 17:46

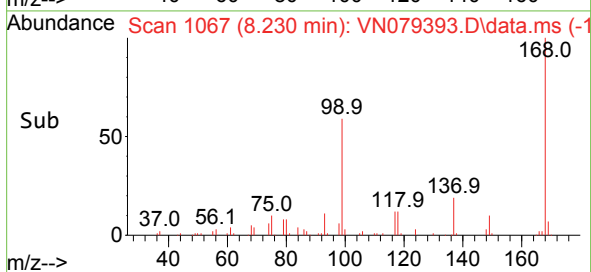
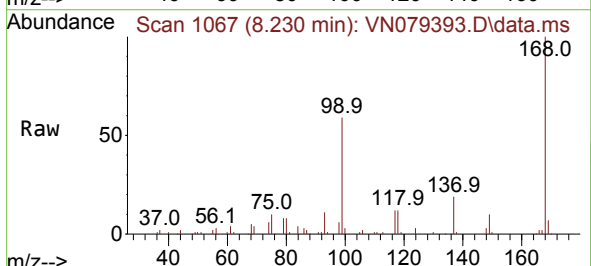
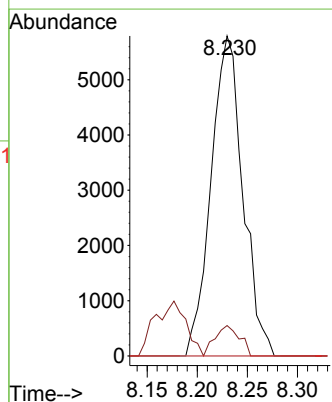
Tgt Ion: 75 Resp: 12784

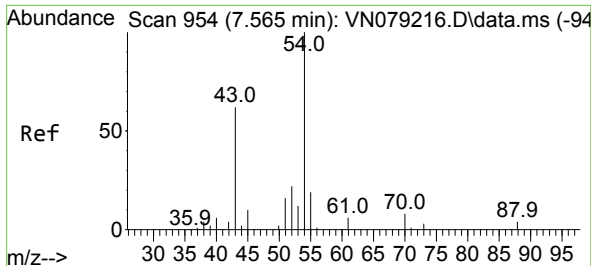
Ion Ratio Lower Upper

75 100

110 7.4 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.988 ug/l

RT: 7.565 min Scan# 91

Delta R.T. -0.006 min

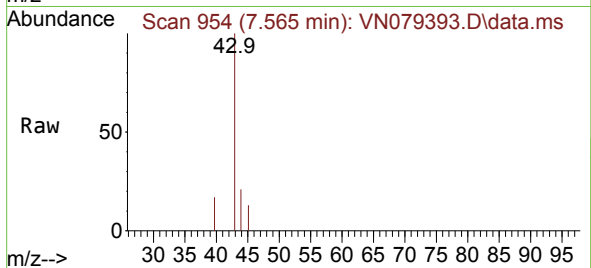
Lab File: VN079393.D

Acq: 30 Sep 2023 17:46

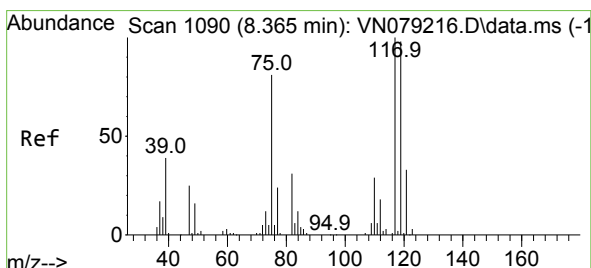
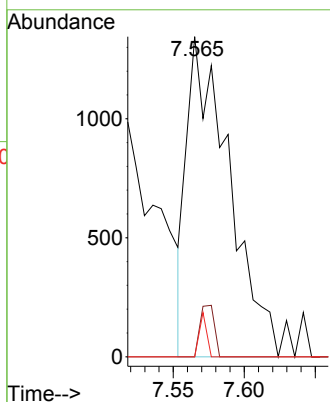
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	43	Resp:	2771
Ion Ratio	100	Lower	Upper
43	100		
61	5.4	13.2	19.8#
70	2.4	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 4.873 ug/l

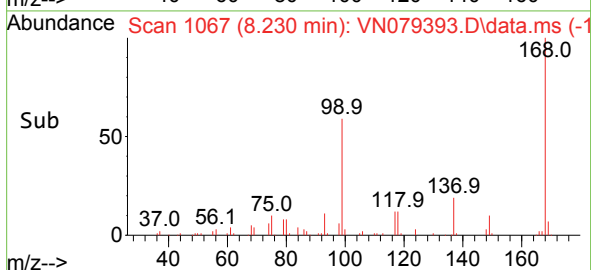
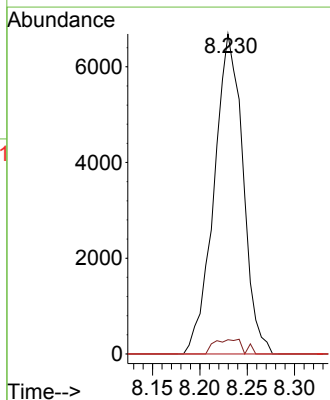
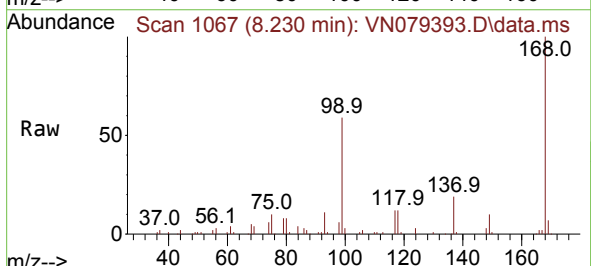
RT: 8.230 min Scan# 1067

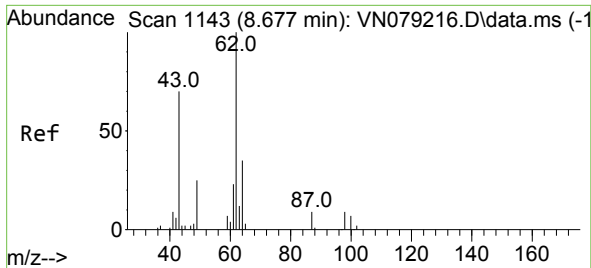
Delta R.T. -0.141 min

Lab File: VN079393.D

Acq: 30 Sep 2023 17:46

Tgt Ion:	117	Resp:	14182
Ion Ratio	100	Lower	Upper
117	100		
119	4.4	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 0.309 ug/l

RT: 8.677 min Scan# 1143

Delta R.T. -0.000 min

Lab File: VN079393.D

Acq: 30 Sep 2023 17:46

Instrument :

MSVOA_N

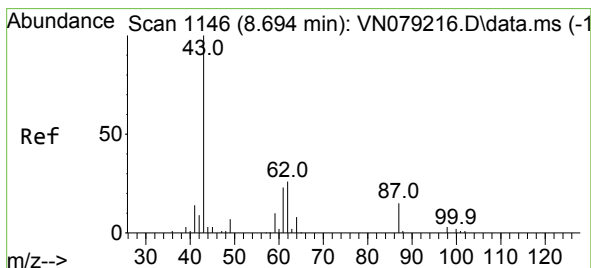
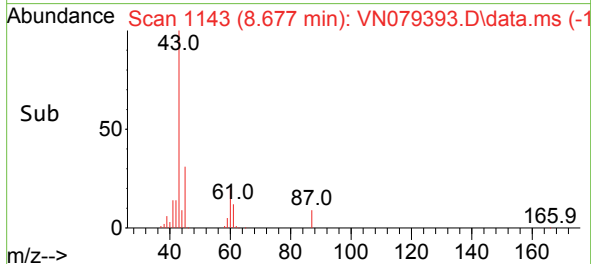
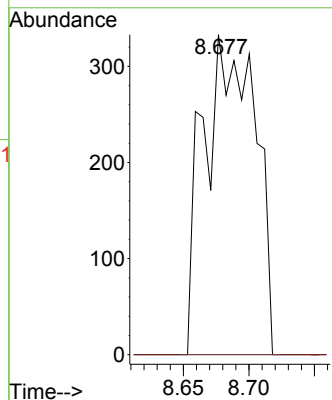
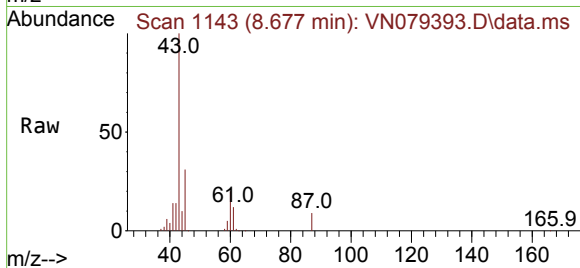
ClientSampleId :

Tgt Ion: 62 Resp: 915

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 46.960 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VN079393.D

Acq: 30 Sep 2023 17:46

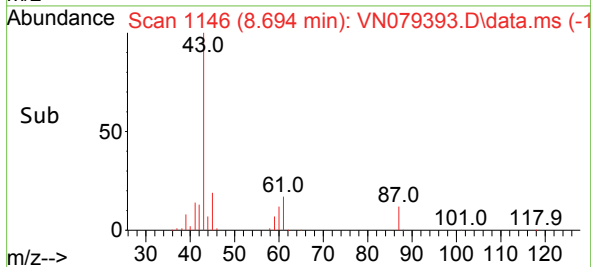
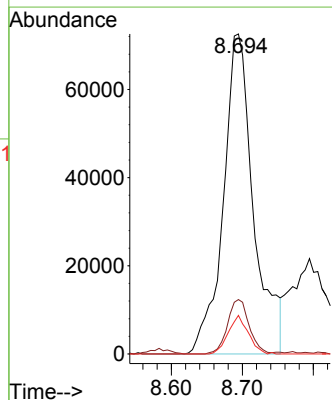
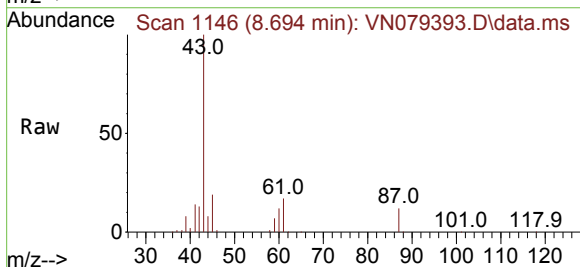
Tgt Ion: 43 Resp: 214939

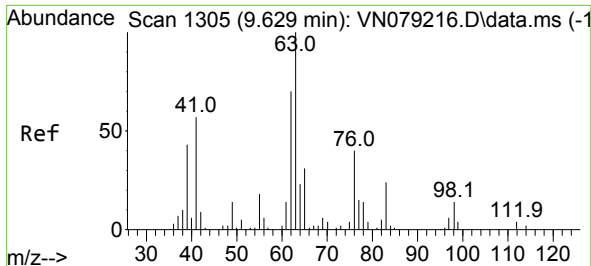
Ion Ratio Lower Upper

43 100

61 12.2 24.7 37.1#

87 8.0 14.6 21.8#

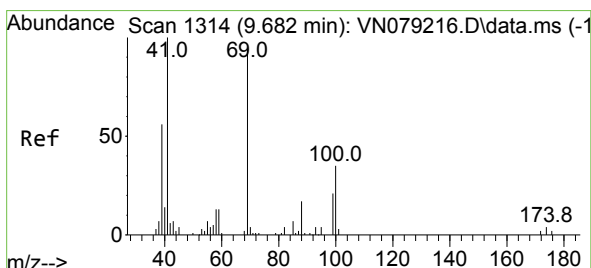
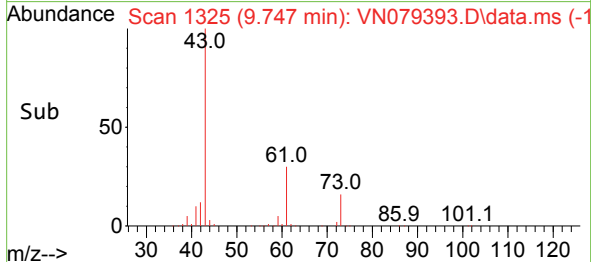
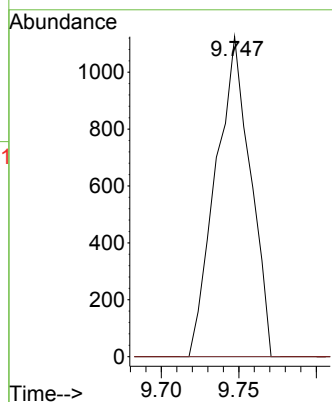
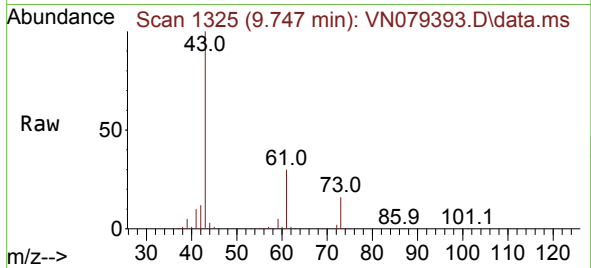




#45
1,2-Dichloropropane
Concen: 0.819 ug/l
RT: 9.747 min Scan# 11
Delta R.T. 0.123 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

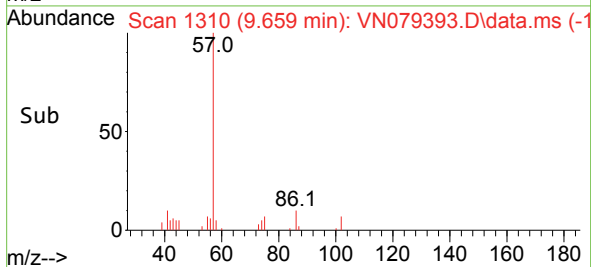
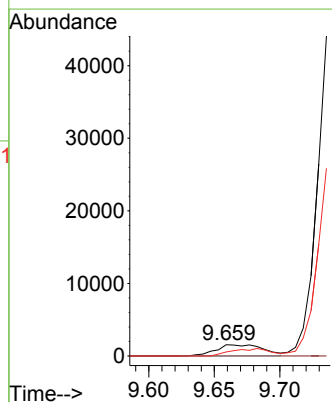
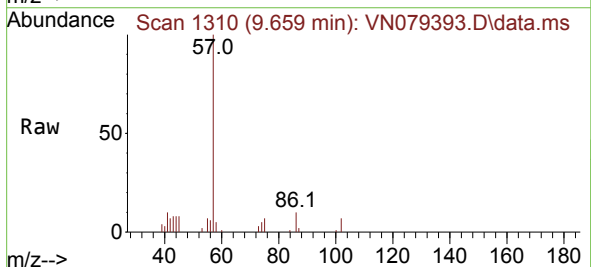
Instrument :
MSVOA_N
ClientSampleId :

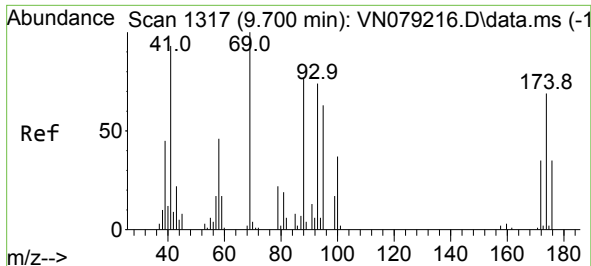
Tgt Ion: 63 Resp: 1749
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



#48
Methyl methacrylate
Concen: 1.897 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.029 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Tgt Ion: 41 Resp: 3889
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 0.0 54.6 81.8#





#49

1,4-Dioxane

Concen: 1.328 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.041 min

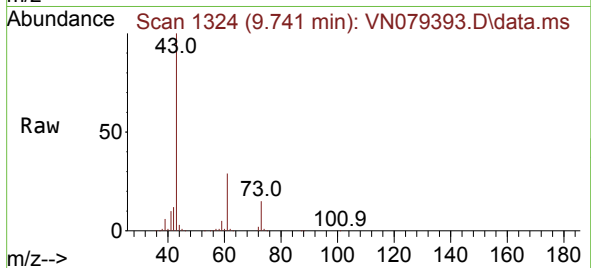
Lab File: VN079393.D

Acq: 30 Sep 2023 17:46

Instrument :

MSVOA_N

ClientSampleId :



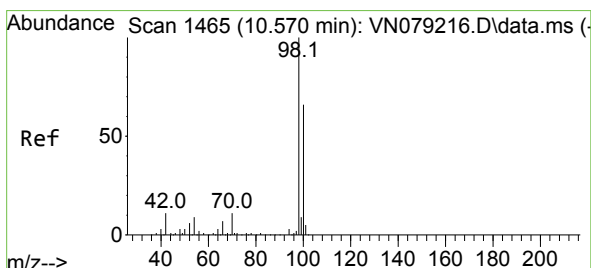
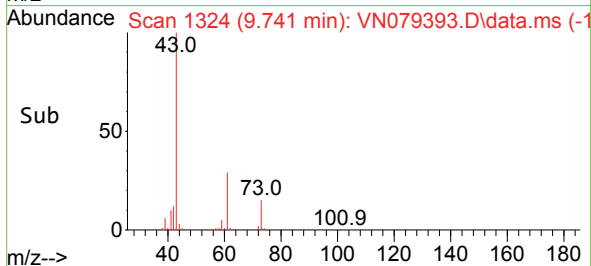
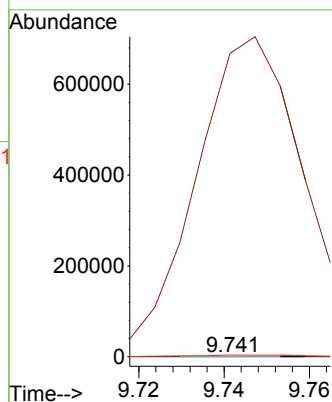
Tgt Ion: 88 Resp: 56

Ion Ratio Lower Upper

88 100

43 2291291.1 17.0 25.6#

58 12437.5 47.0 70.4#



#50

Toluene-d8

Concen: 53.380 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN079393.D

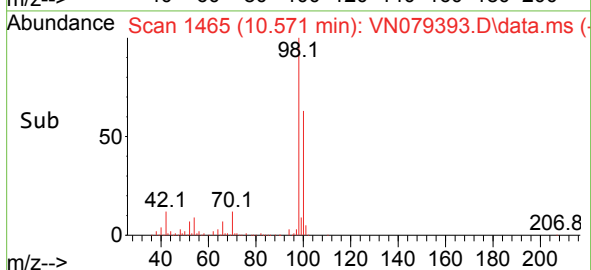
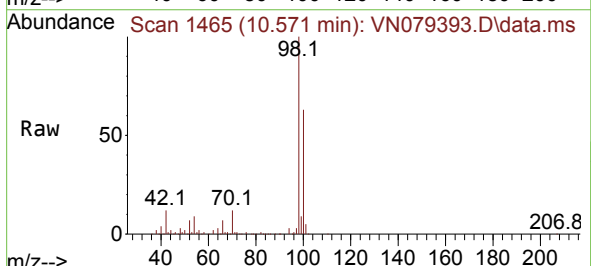
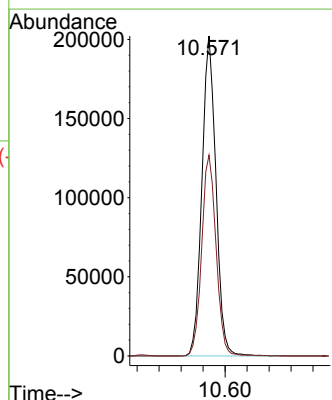
Acq: 30 Sep 2023 17:46

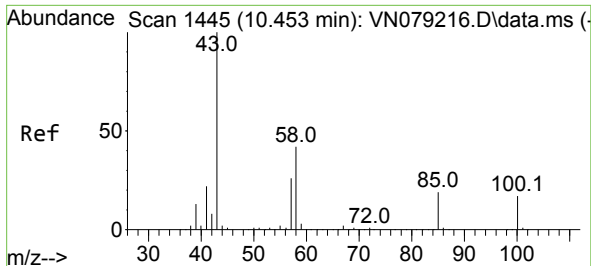
Tgt Ion: 98 Resp: 357622

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

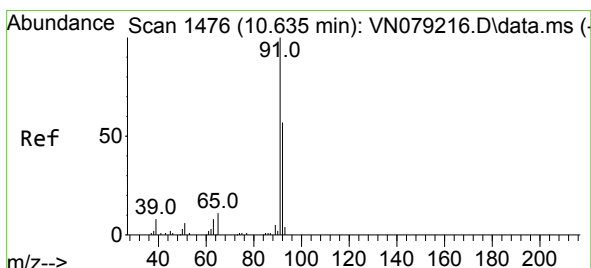
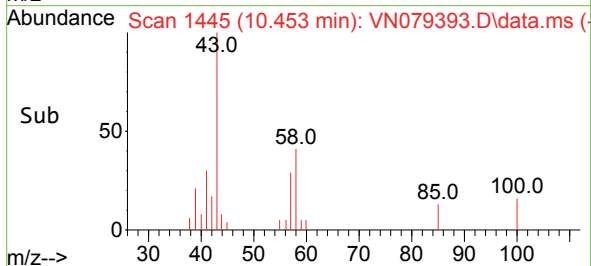
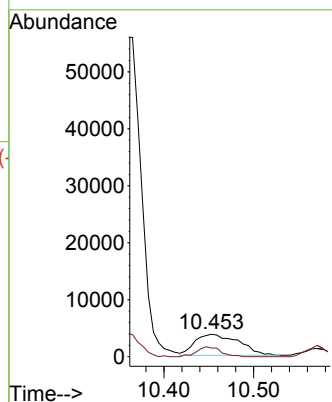
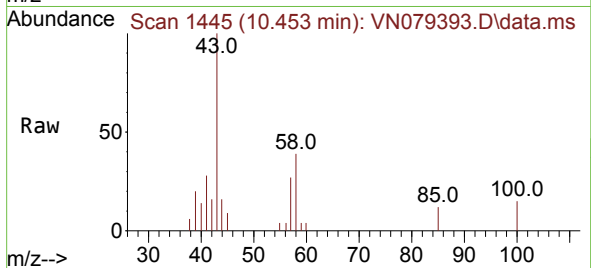




#51
4-Methyl-2-Pentanone
Concen: 4.757 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.000 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

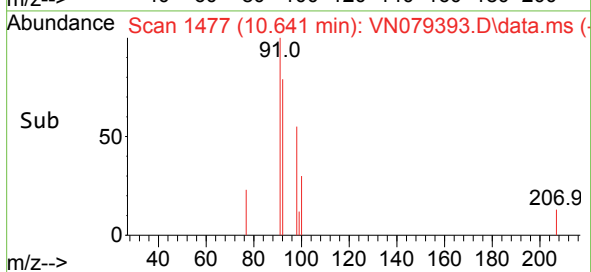
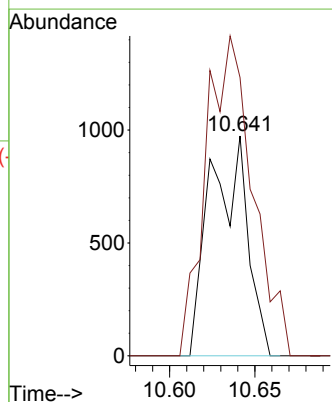
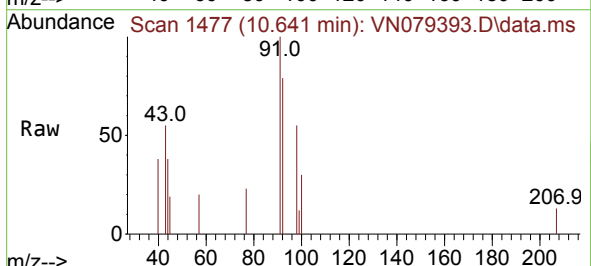
Instrument :
MSVOA_N
ClientSampleId :

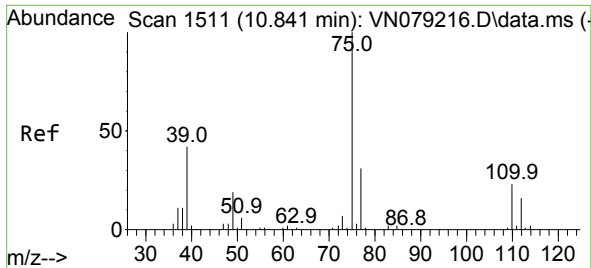
Tgt Ion: 43 Resp: 12639
Ion Ratio Lower Upper
43 100
58 25.3 36.6 54.8#



#52
Toluene
Concen: 0.281 ug/l
RT: 10.641 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Tgt Ion: 92 Resp: 1487
Ion Ratio Lower Upper
92 100
91 182.3 137.4 206.0

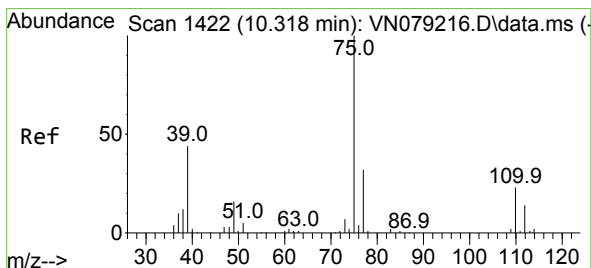
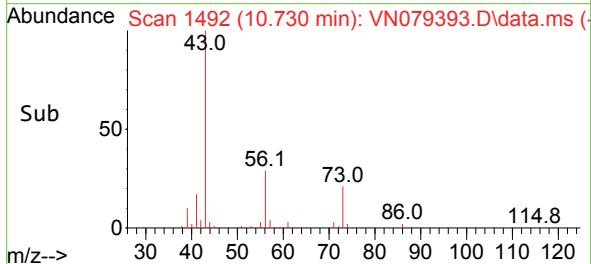
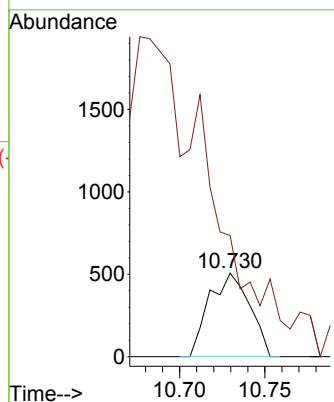
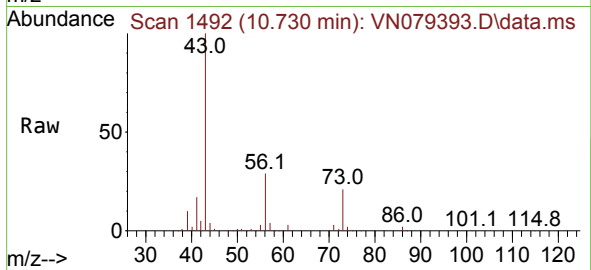




#53
 t-1,3-Dichloropropene
 Concen: 0.268 ug/l
 RT: 10.730 min Scan# 14
 Delta R.T. -0.111 min
 Lab File: VN079393.D
 Acq: 30 Sep 2023 17:46

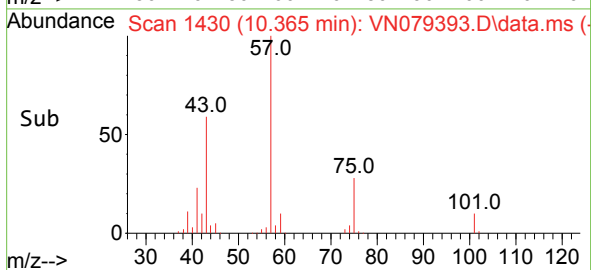
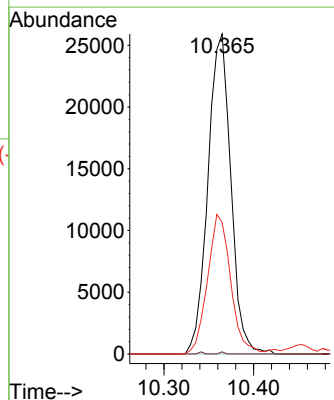
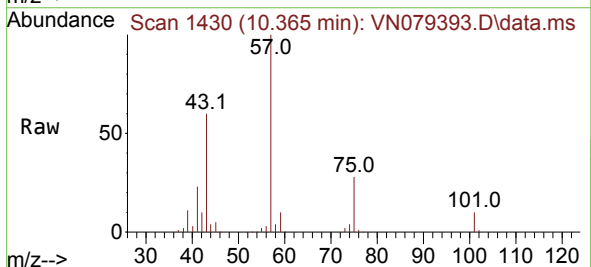
Instrument :
 MSVOA_N
 ClientSampleId :

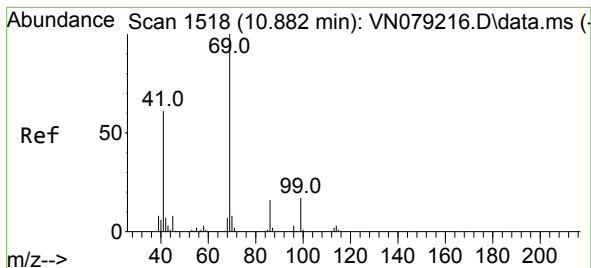
Tgt Ion: 75 Resp: 841
 Ion Ratio Lower Upper
 75 100
 77 101.6 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 13.735 ug/l
 RT: 10.365 min Scan# 1430
 Delta R.T. 0.047 min
 Lab File: VN079393.D
 Acq: 30 Sep 2023 17:46

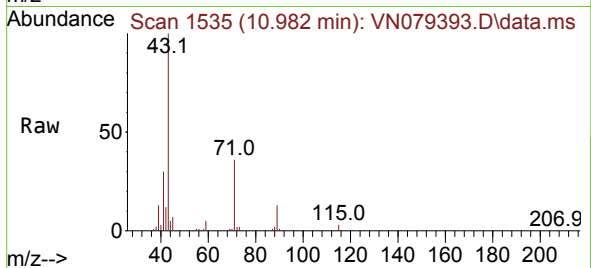
Tgt Ion: 75 Resp: 46020
 Ion Ratio Lower Upper
 75 100
 77 0.6 26.1 39.1#
 39 41.2 31.6 47.4



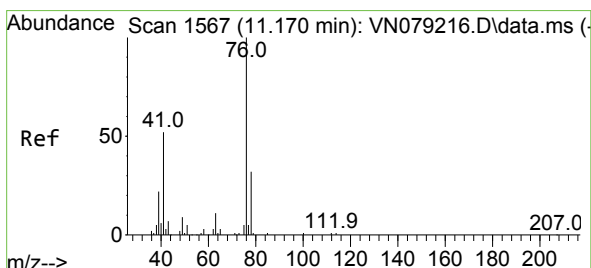
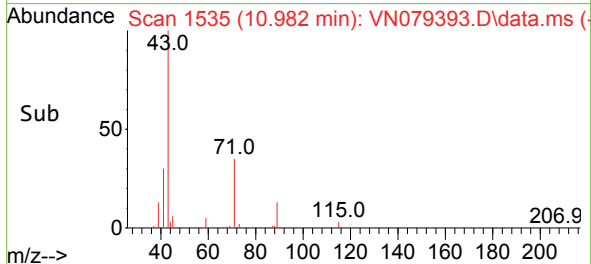
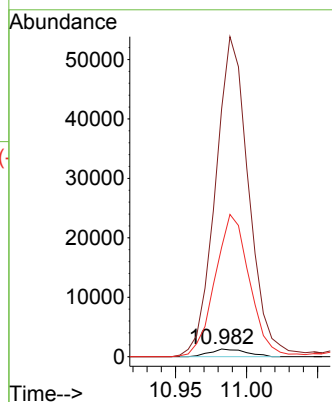


#56
Ethyl methacrylate
Concen: 0.772 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.105 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :

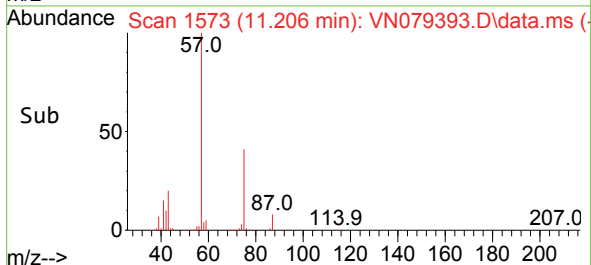
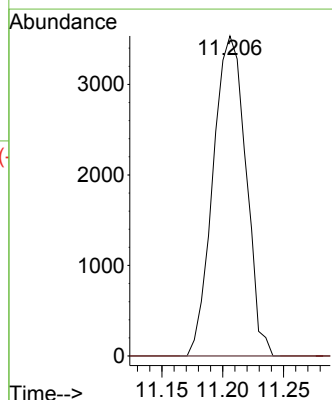
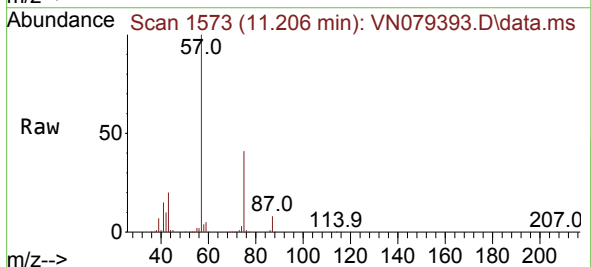


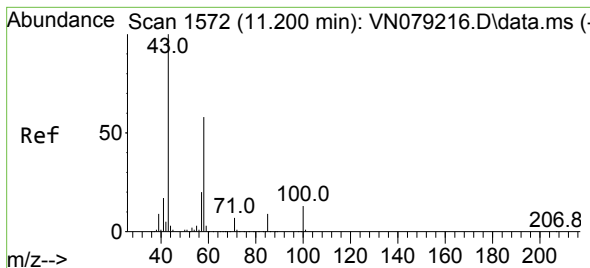
Tgt Ion: 69 Resp: 2262
Ion Ratio Lower Upper
69 100
41 3890.4 39.6 59.4#
39 1800.0 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.850 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Tgt Ion: 76 Resp: 6640
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

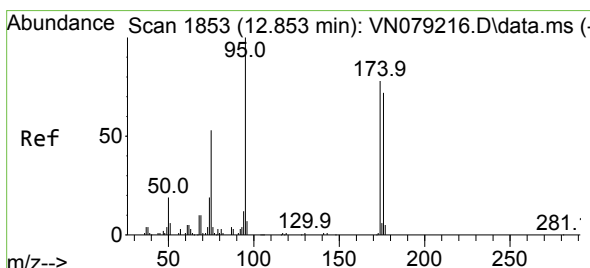
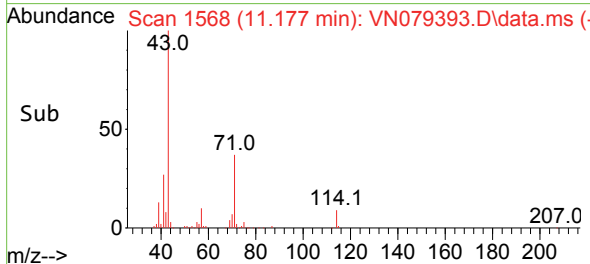
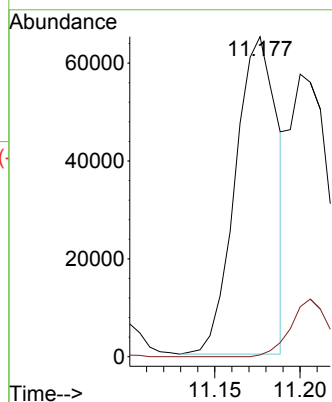
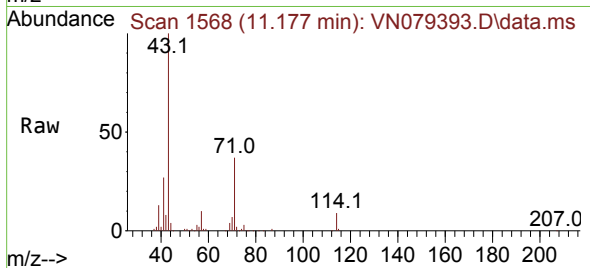




#59
2-Hexanone
Concen: 57.733 ug/l
RT: 11.177 min Scan# 111101
Delta R.T. -0.023 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

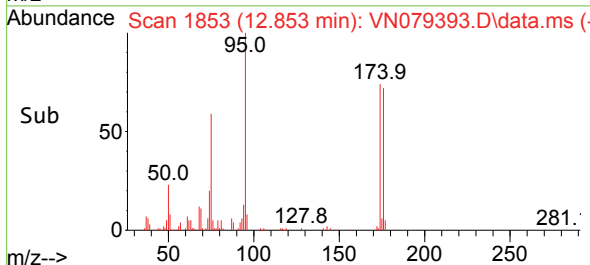
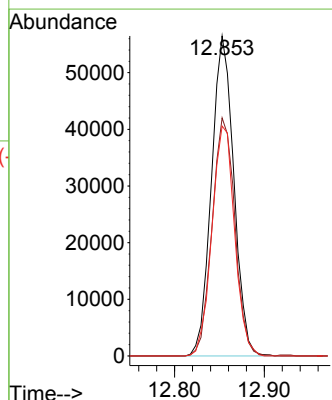
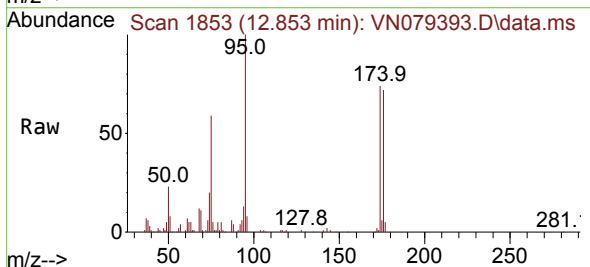
Instrument :
MSVOA_N
ClientSampleId :

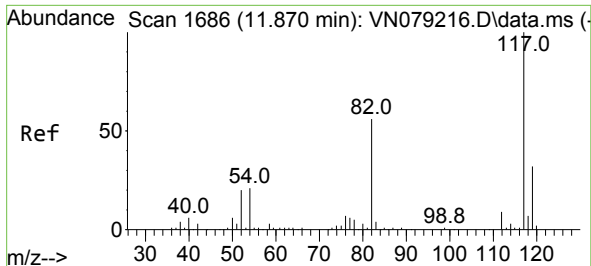
Tgt Ion: 43 Resp: 111101
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 45.652 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

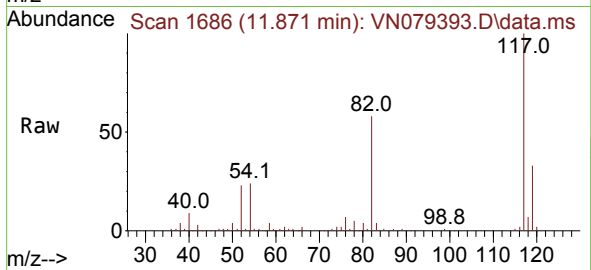
Tgt Ion: 95 Resp: 97558
Ion Ratio Lower Upper
95 100
174 75.8 0.0 143.8
176 72.8 0.0 135.8



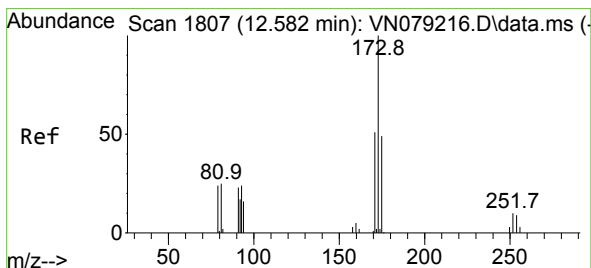
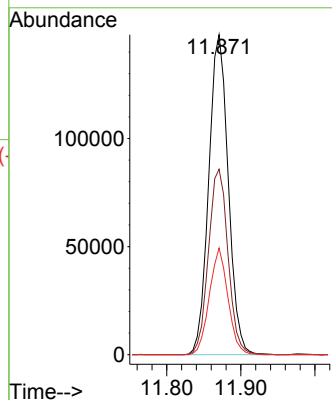
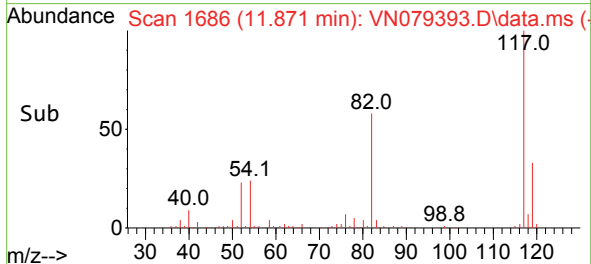


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :

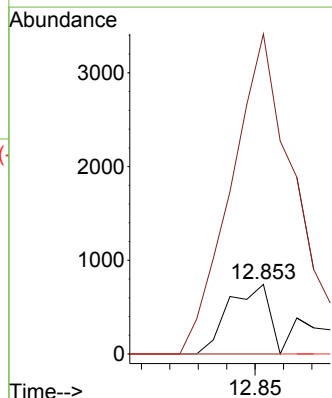
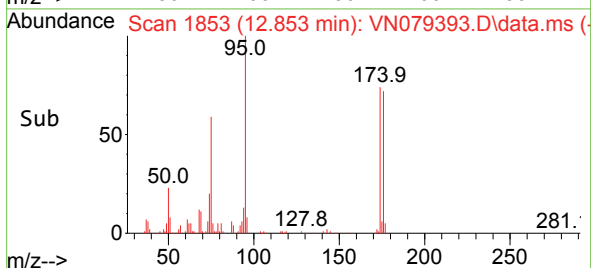
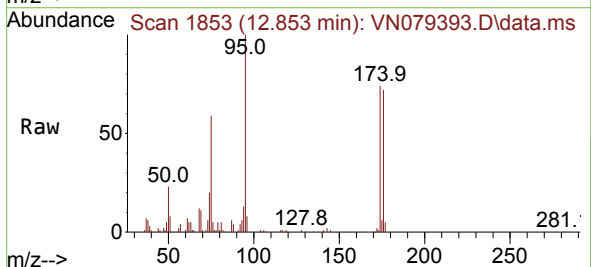


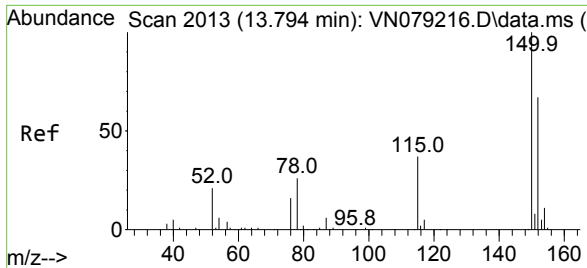
Tgt Ion:117 Resp: 270752
Ion Ratio Lower Upper
117 100
82 58.0 44.0 66.0
119 33.4 25.6 38.4



#71
Bromoform
Concen: 0.435 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

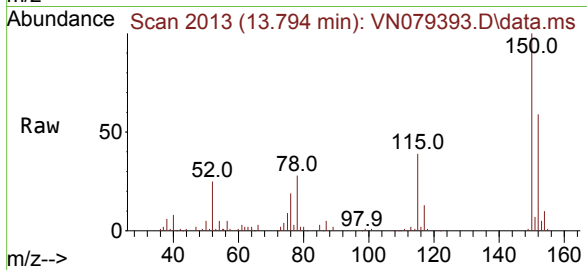
Tgt Ion:173 Resp: 738
Ion Ratio Lower Upper
173 100
175 548.5 24.3 73.0#
254 0.0 0.0 0.0



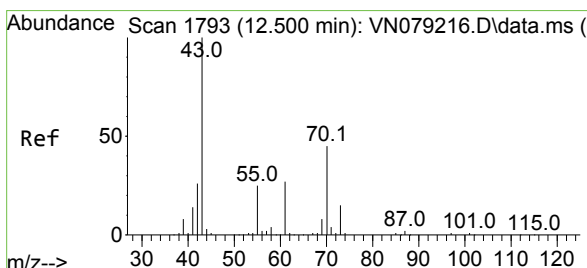
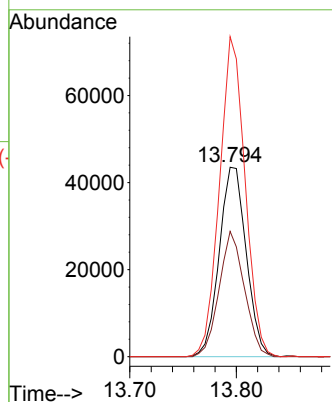
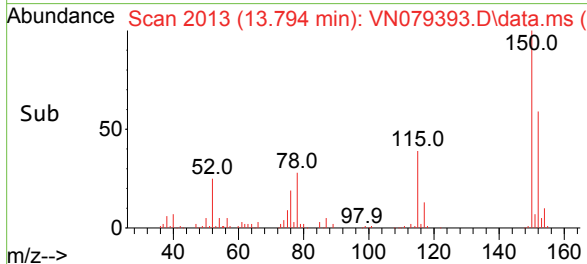


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN079393.D
 Acq: 30 Sep 2023 17:46

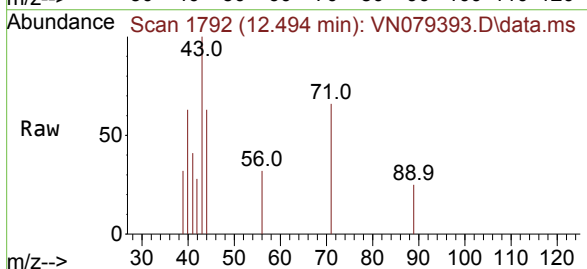
Instrument :
 MSVOA_N
 ClientSampleId :



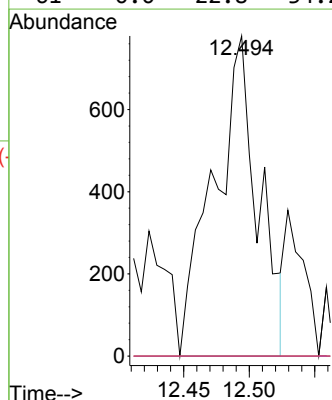
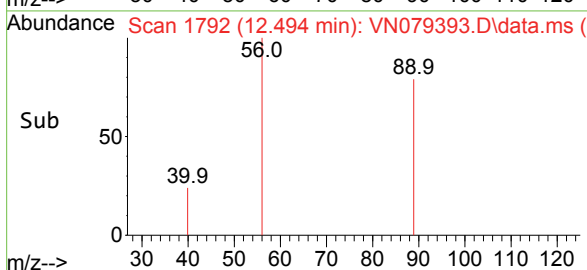
Tgt Ion:152 Resp: 76599
 Ion Ratio Lower Upper
 152 100
 115 61.9 32.3 96.8
 150 160.1 0.0 355.8

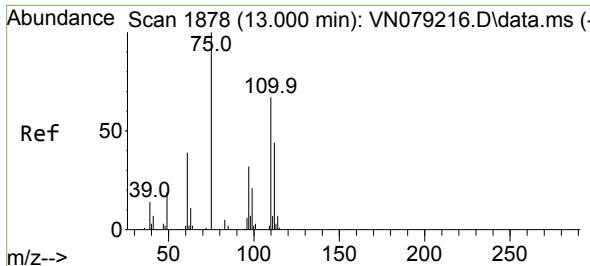


#74
 N-ethyl acetate
 Concen: 0.693 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. -0.006 min
 Lab File: VN079393.D
 Acq: 30 Sep 2023 17:46



Tgt Ion: 43 Resp: 1831
 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#

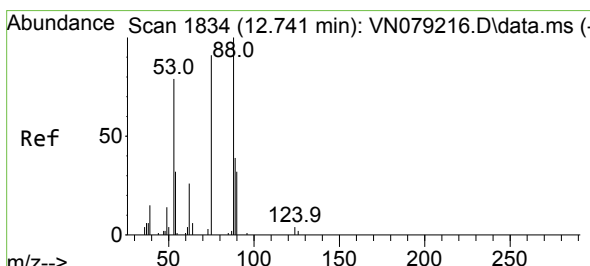
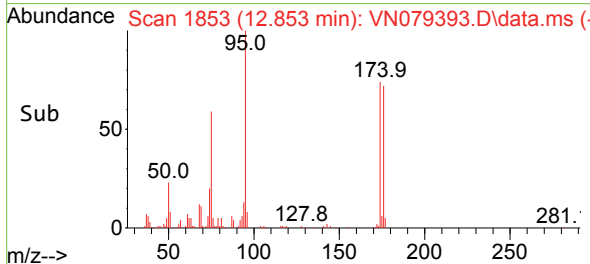
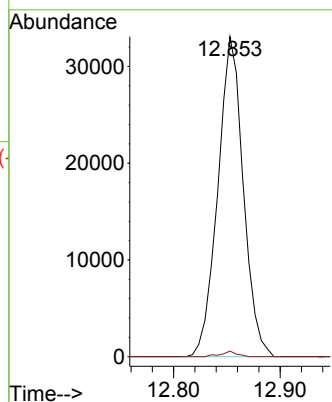
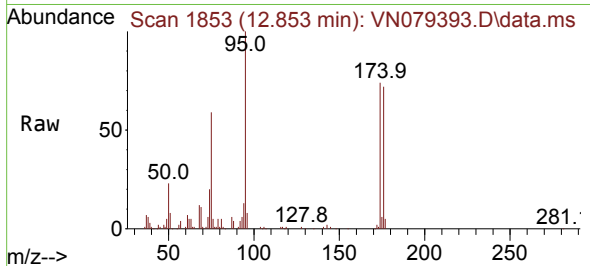




#76
1,2,3-Trichloropropane
Concen: 26.560 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 54832
Ion Ratio Lower Upper
75 100
77 1.1 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.020 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079393.D
Acq: 30 Sep 2023 17:46

Tgt Ion: 75 Resp: 54832
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

