

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091523\
 Data File : VN079275.D
 Acq On : 15 Sep 2023 16:30
 Operator : JC\MD
 Sample : PB155573ZHE#06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 16 01:45:07 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)

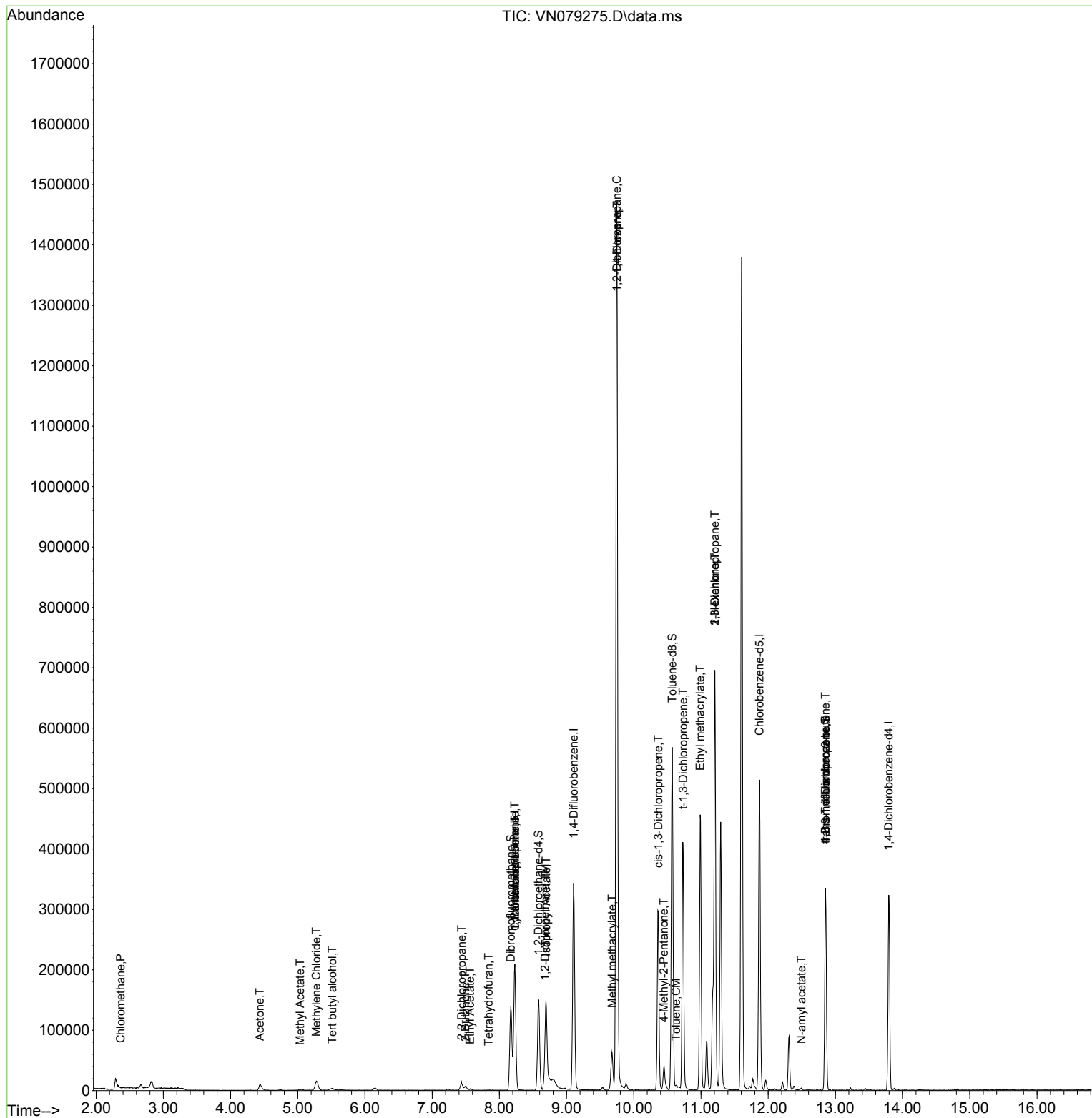
Internal Standards						
1) Pentafluorobenzene	8.229	168	144995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	286741	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	287116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	82145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	121153	61.898	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.800%			
35) Dibromofluoromethane	8.171	113	99800	52.324	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.640%			
50) Toluene-d8	10.570	98	382668	54.640	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.280%			
62) 4-Bromofluorobenzene	12.853	95	112268	50.255	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.500%			
Target Compounds						Qvalue
3) Chloromethane	2.365	50	514	0.273	ug/l #	42
6) Chloroethane	3.142	64	376	Below Cal	#	43
11) Tert butyl alcohol	5.512	59	3096	8.568	ug/l #	72
16) Acetone	4.436	43	19381	23.315	ug/l	90
18) Methyl Acetate	5.036	43	3273	0.958	ug/l #	52
20) Methylene Chloride	5.277	84	12045	5.954	ug/l #	83
25) 2-Butanone	7.494	43	11351	9.411	ug/l #	69
26) 2,2-Dichloropropane	7.441	77	830	0.303	ug/l #	53
29) Tetrahydrofuran	7.841	42	257	0.335	ug/l #	36
31) Cyclohexane	8.235	56	3849	1.347	ug/l #	26
36) 1,1-Dichloropropene	8.235	75	13400	4.558	ug/l #	48
37) Ethyl Acetate	7.565	43	3370	1.149	ug/l #	78
38) Carbon Tetrachloride	8.229	117	14969	4.920	ug/l #	16
42) 1,2-Dichloroethane	8.682	62	875	0.282	ug/l #	73
43) Isopropyl Acetate	8.694	43	182044	38.047	ug/l #	76
45) 1,2-Dichloropropane	9.747	63	1768	0.792	ug/l #	45
48) Methyl methacrylate	9.676	41	4038	1.884	ug/l #	32
49) 1,4-Dioxane	9.753	88	54	1.225	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	31844	11.465	ug/l #	81
52) Toluene	10.629	92	2611	0.472	ug/l	100
53) t-1,3-Dichloropropene	10.735	75	1144	0.349	ug/l #	37
54) cis-1,3-Dichloropropene	10.365	75	53092	15.158	ug/l #	70
56) Ethyl methacrylate	10.988	69	2123	0.693	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	7670	2.044	ug/l #	42
59) 2-Hexanone	11.206	43	88319	43.903	ug/l #	48
74) N-amyl acetate	12.494	43	1974	0.696	ug/l #	36
76) 1,2,3-Trichloropropane	12.853	75	61264	27.672	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	61264	76.077	ug/l #	15

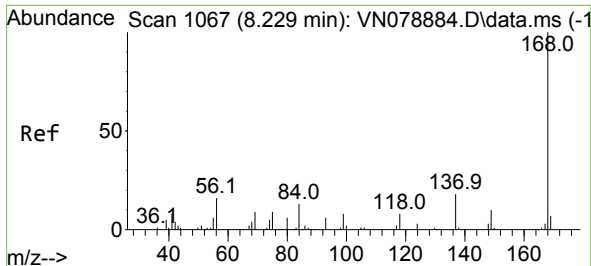
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091523\
Data File : VN079275.D
Acq On : 15 Sep 2023 16:30
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Sample : PB155573ZHE#06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

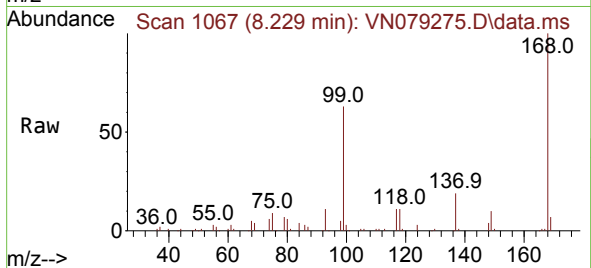
Quant Time: Sep 16 01:45:07 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091123W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 12 05:05:24 2023
Response via : Initial Calibration



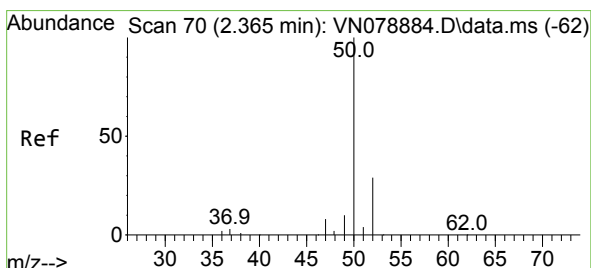
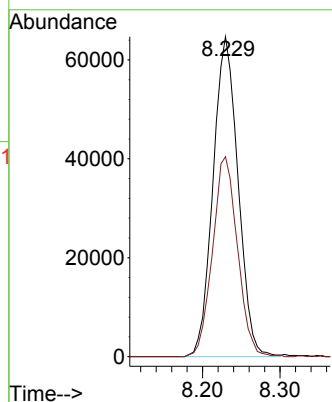
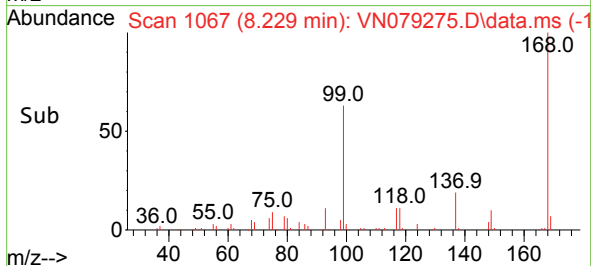


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.001 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

Instrument :
MSVOA_N
ClientSampleId :

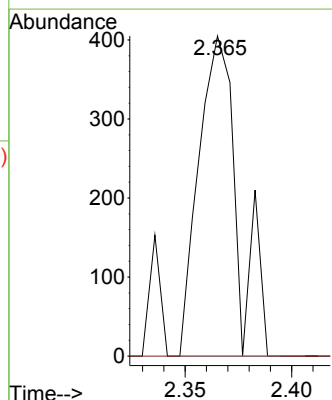
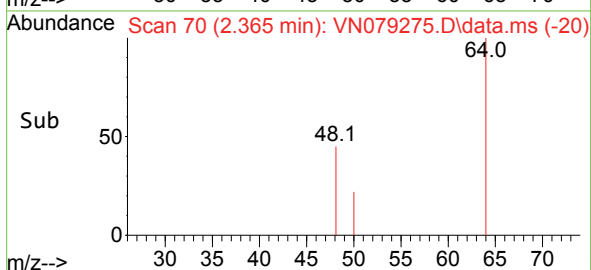
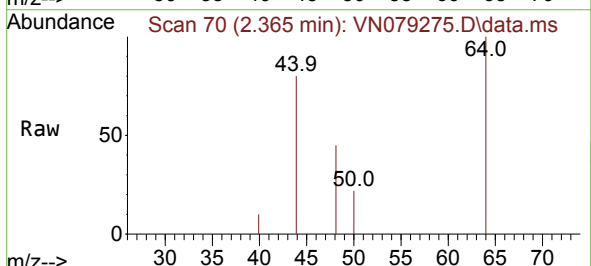


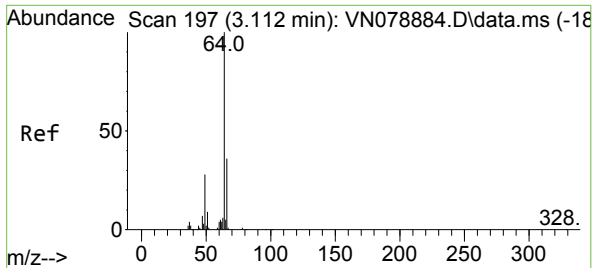
Tgt Ion:168 Resp: 144995
Ion Ratio Lower Upper
168 100
99 62.5 53.0 79.6



#3
Chloromethane
Concen: 0.273 ug/l
RT: 2.365 min Scan# 70
Delta R.T. -0.006 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

Tgt Ion: 50 Resp: 514
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#

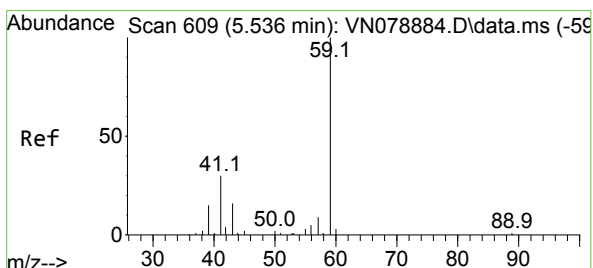
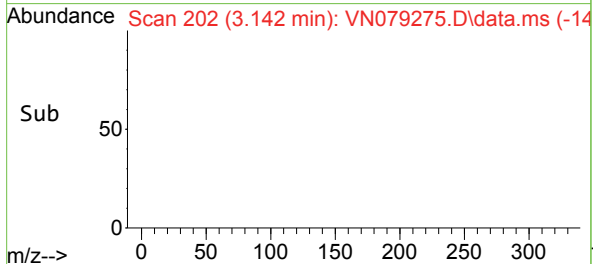
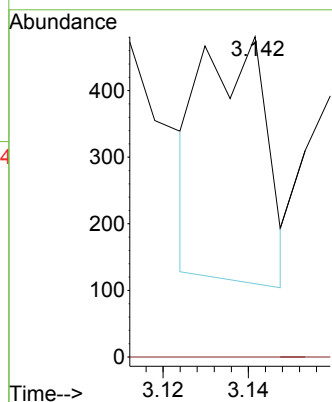
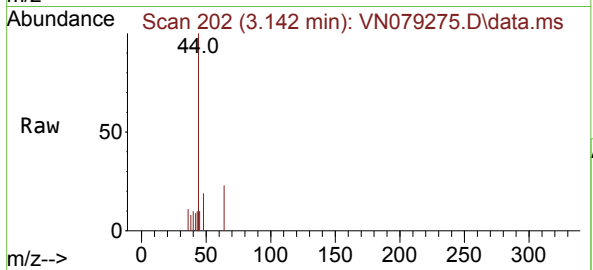




#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 202
Delta R.T. 0.024 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

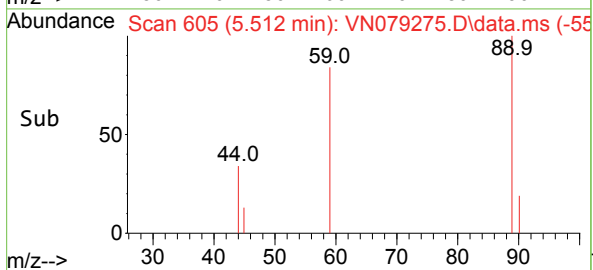
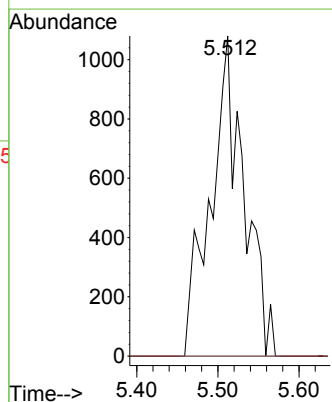
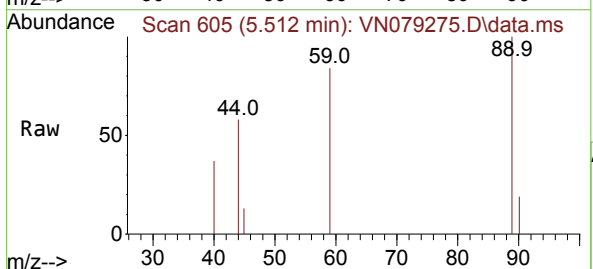
Instrument :
MSVOA_N
ClientSampleId :

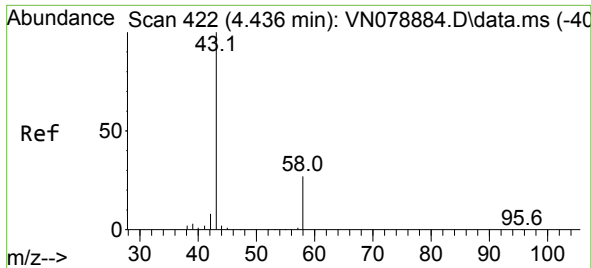
Tgt Ion: 64 Resp: 376
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 8.568 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.030 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

Tgt Ion: 59 Resp: 3096
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#





#16

Acetone

Concen: 23.315 ug/l

RT: 4.436 min Scan# 41

Delta R.T. -0.006 min

Lab File: VN079275.D

Acq: 15 Sep 2023 16:30

Instrument :

MSVOA_N

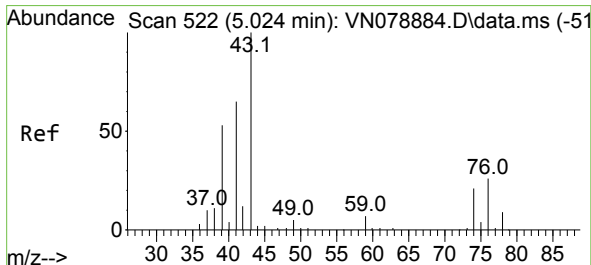
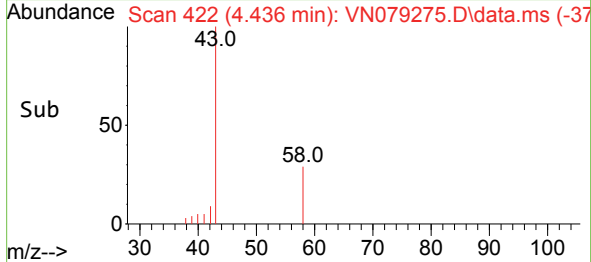
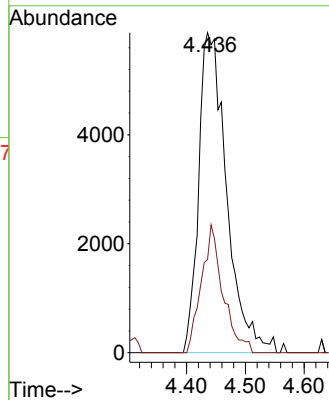
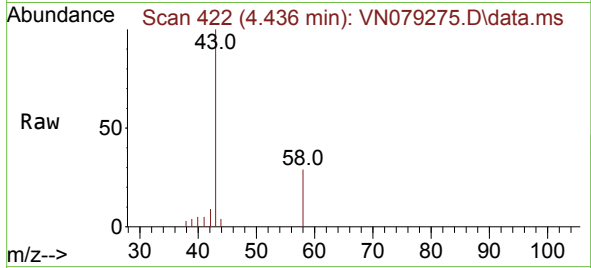
ClientSampleId :

Tgt Ion: 43 Resp: 19381

Ion Ratio Lower Upper

43 100

58 29.1 28.0 42.0



#18

Methyl Acetate

Concen: 0.958 ug/l

RT: 5.036 min Scan# 524

Delta R.T. -0.006 min

Lab File: VN079275.D

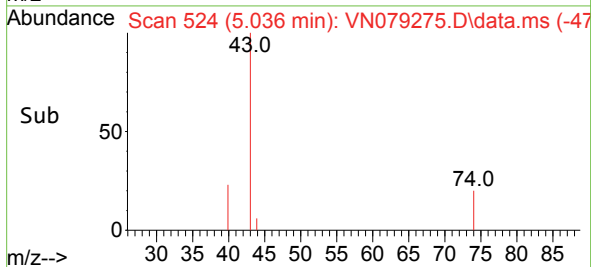
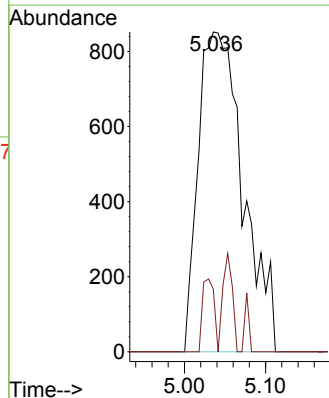
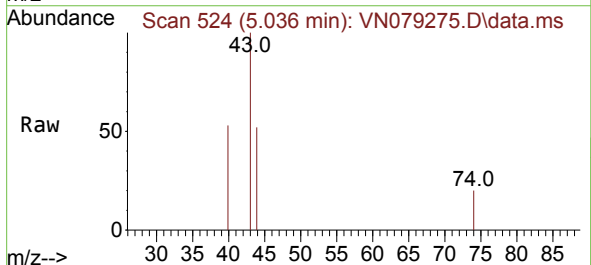
Acq: 15 Sep 2023 16:30

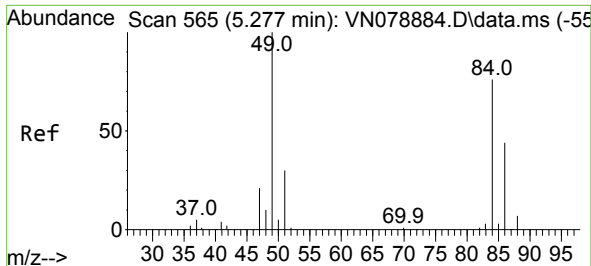
Tgt Ion: 43 Resp: 3273

Ion Ratio Lower Upper

43 100

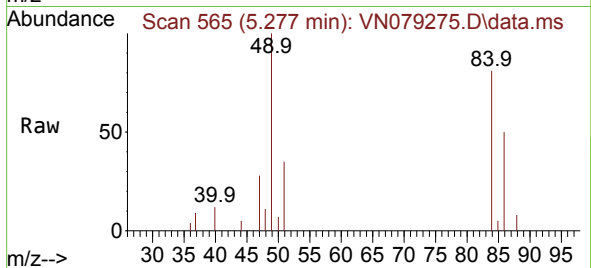
74 5.9 26.2 39.4#



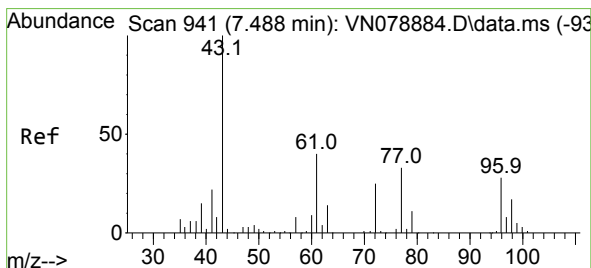
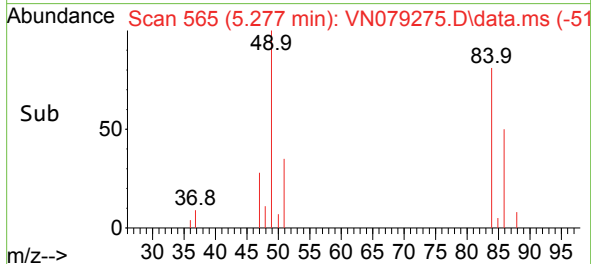
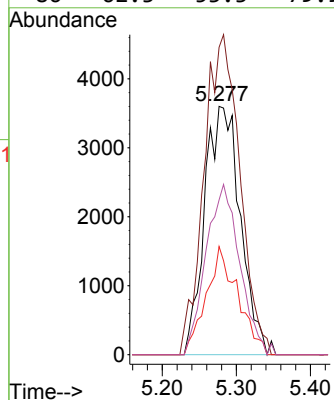


#20
Methylene Chloride
Concen: 5.954 ug/l
RT: 5.277 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

Instrument :
MSVOA_N
ClientSampleId :

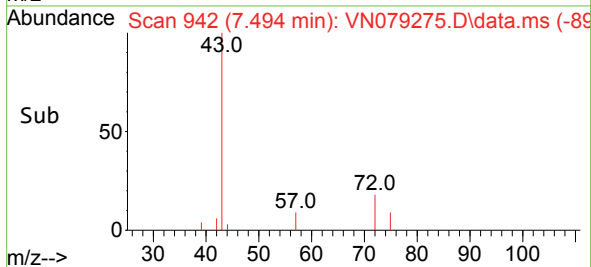
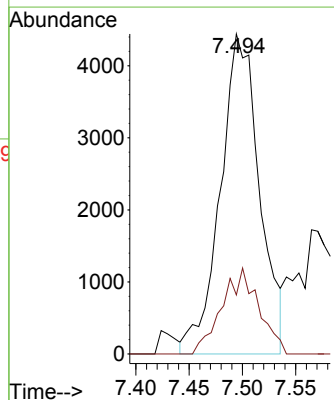
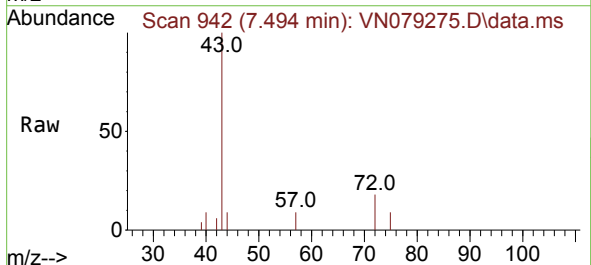


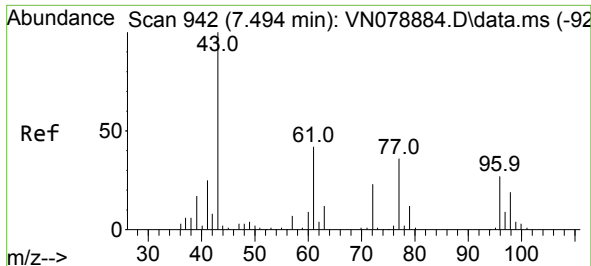
Tgt Ion:	84	Resp:	12045
Ion	Ratio	Lower	Upper
84	100		
49	123.8	79.7	119.5#
51	43.5	25.2	37.8#
86	62.3	53.3	79.9



#25
2-Butanone
Concen: 9.411 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.000 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

Tgt Ion:	43	Resp:	11351
Ion	Ratio	Lower	Upper
43	100		
72	19.1	30.2	45.2#





#26

2,2-Dichloropropane

Concen: 0.303 ug/l

RT: 7.441 min Scan# 91

Delta R.T. -0.059 min

Lab File: VN079275.D

Acq: 15 Sep 2023 16:30

Instrument :

MSVOA_N

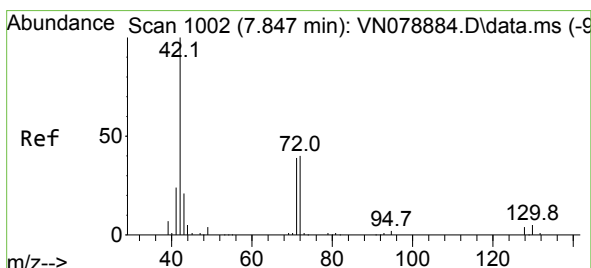
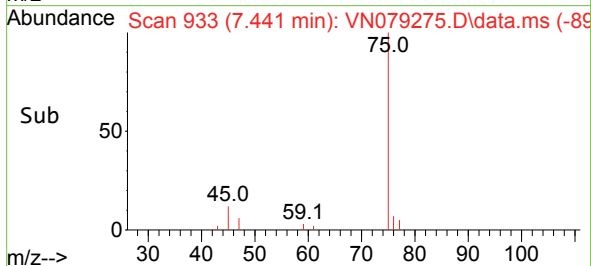
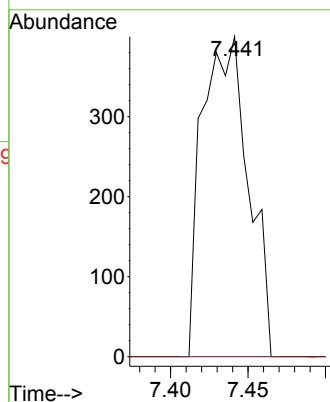
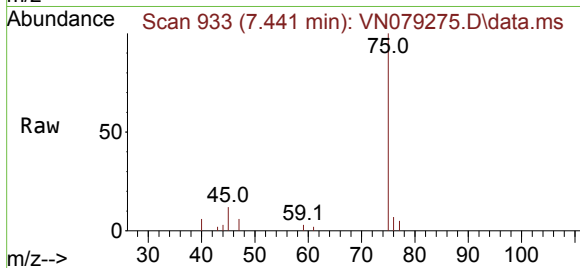
ClientSampleId :

Tgt Ion: 77 Resp: 830

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.6#



#29

Tetrahydrofuran

Concen: 0.335 ug/l

RT: 7.841 min Scan# 1001

Delta R.T. -0.006 min

Lab File: VN079275.D

Acq: 15 Sep 2023 16:30

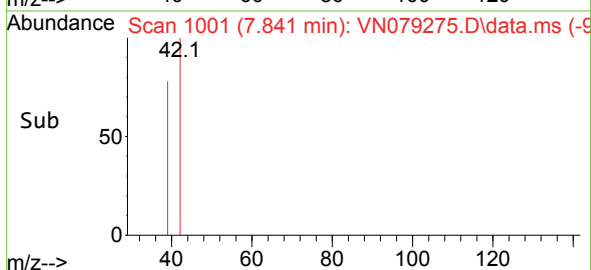
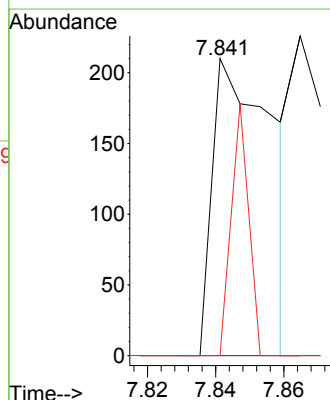
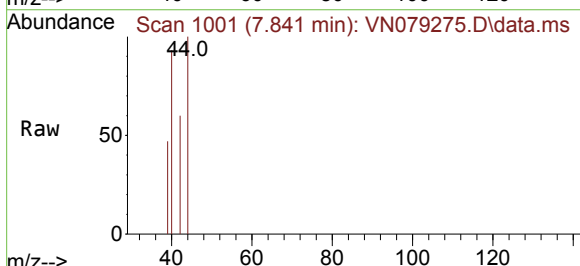
Tgt Ion: 42 Resp: 257

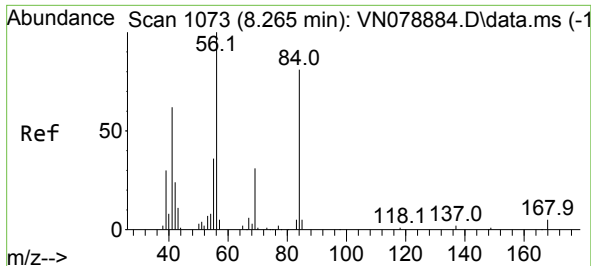
Ion Ratio Lower Upper

42 100

72 0.0 49.8 74.6#

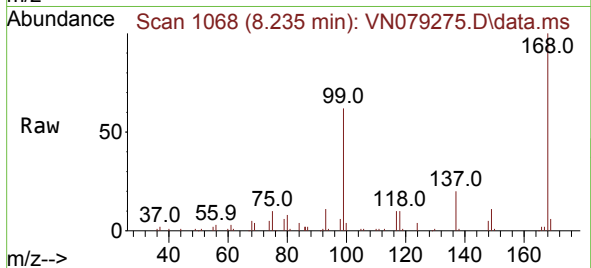
71 24.5 47.4 71.2#



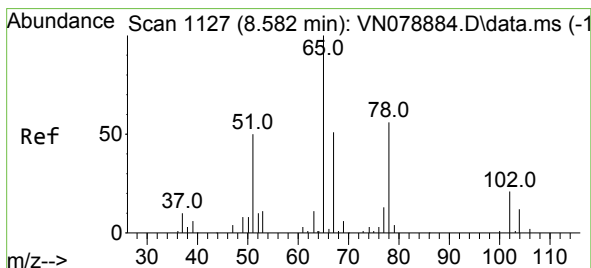
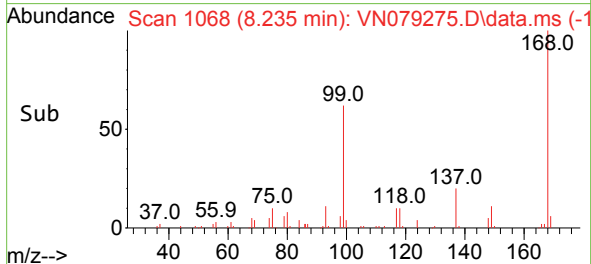
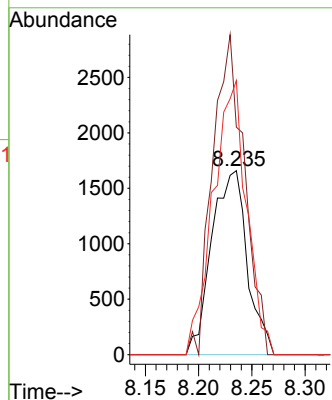


#31
Cyclohexane
Concen: 1.347 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.030 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

Instrument :
MSVOA_N
ClientSampleId :

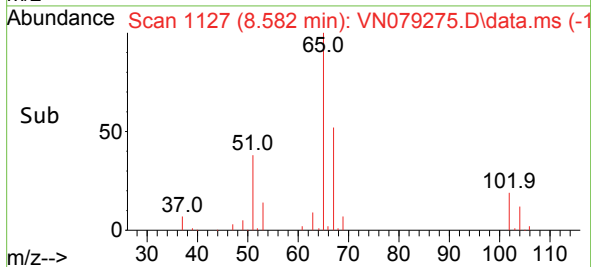
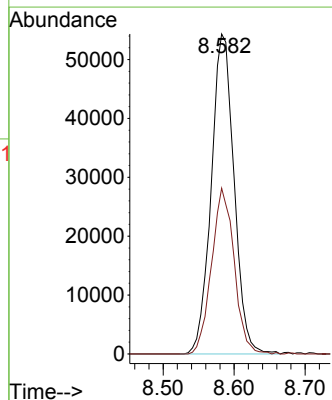
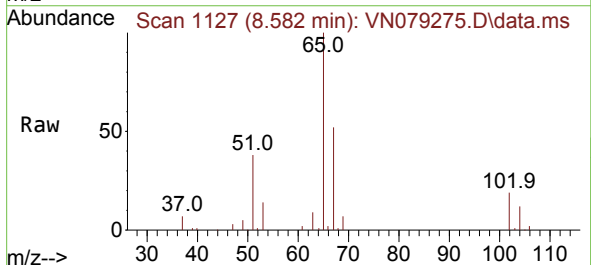


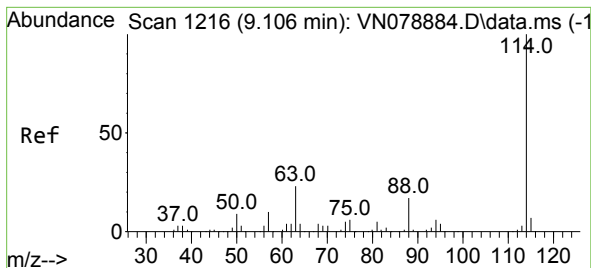
Tgt Ion: 56 Resp: 3849
Ion Ratio Lower Upper
56 100
69 123.7 26.8 40.2#
84 149.0 81.8 122.6#



#33
1,2-Dichloroethane-d4
Concen: 61.898 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.001 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

Tgt Ion: 65 Resp: 121153
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN079275.D

Acq: 15 Sep 2023 16:30

Instrument :

MSVOA_N

ClientSampleId :

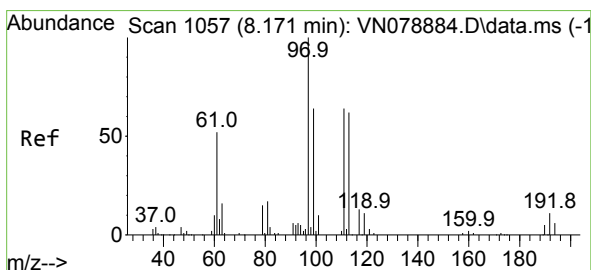
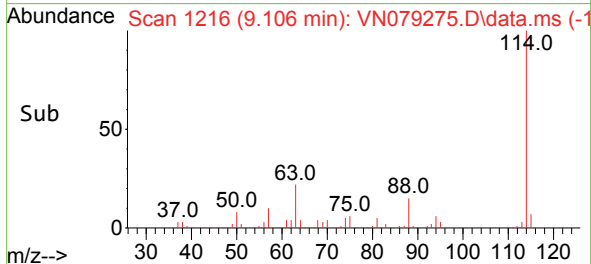
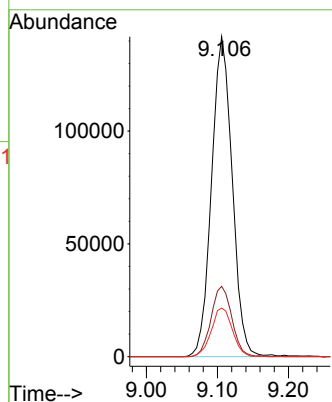
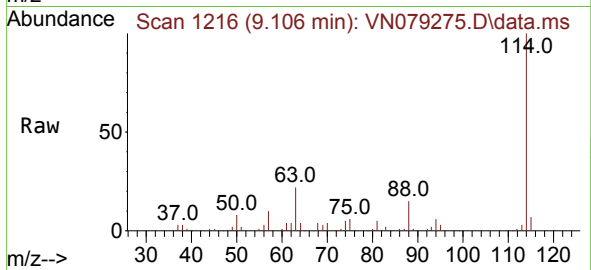
Tgt Ion:114 Resp: 286741

Ion Ratio Lower Upper

114 100

63 22.0 0.0 36.4

88 15.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 52.324 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN079275.D

Acq: 15 Sep 2023 16:30

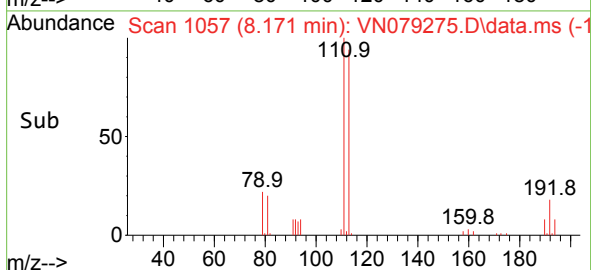
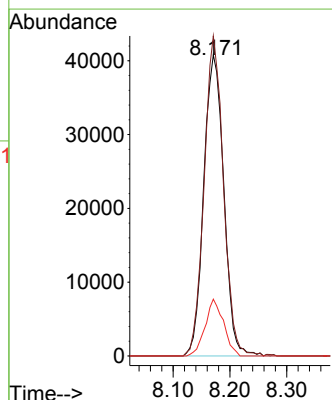
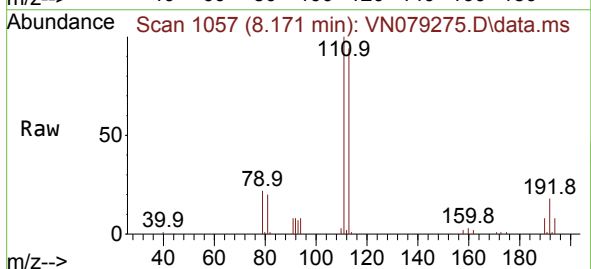
Tgt Ion:113 Resp: 99800

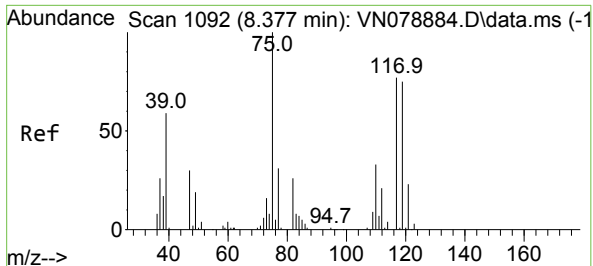
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 17.4 12.7 19.1





#36

1,1-Dichloropropene

Concen: 4.558 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.142 min

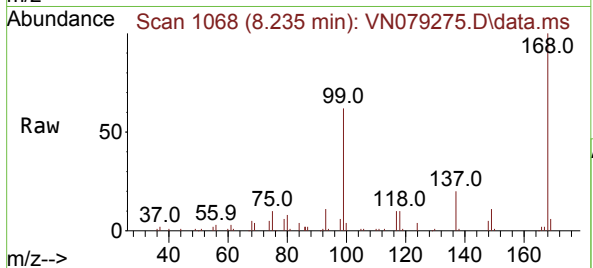
Lab File: VN079275.D

Acq: 15 Sep 2023 16:30

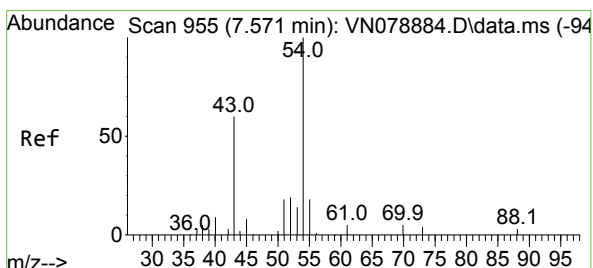
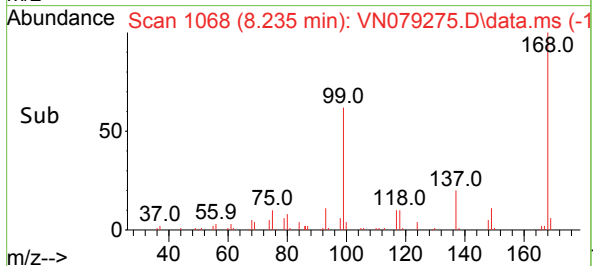
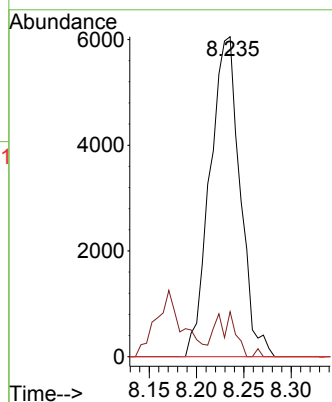
Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:	75	Resp:	13400
Ion Ratio	Lower	Upper	
75	100		
110	8.6	19.1	57.3#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.149 ug/l

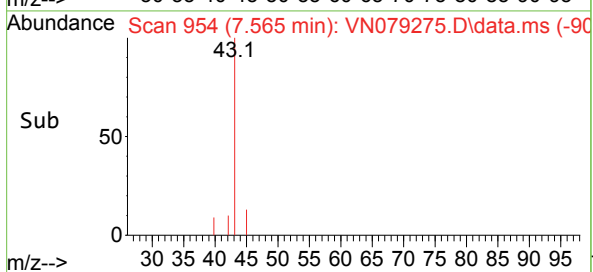
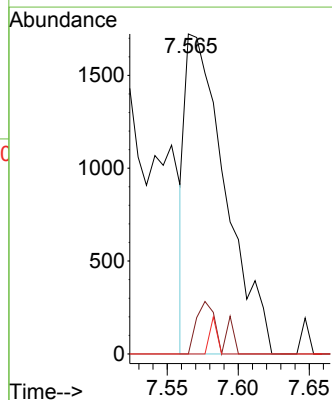
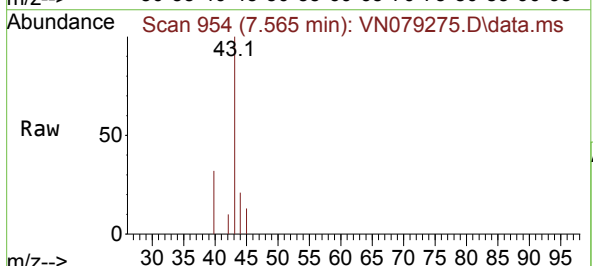
RT: 7.565 min Scan# 954

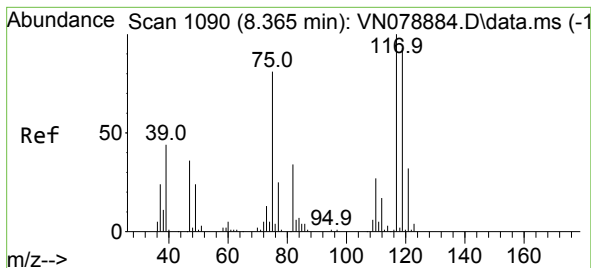
Delta R.T. -0.006 min

Lab File: VN079275.D

Acq: 15 Sep 2023 16:30

Tgt Ion:	43	Resp:	3370
Ion Ratio	Lower	Upper	
43	100		
61	9.5	13.2	19.8#
70	2.1	11.3	16.9#





#38

Carbon Tetrachloride

Concen: 4.920 ug/l

RT: 8.229 min Scan# 1

Delta R.T. -0.142 min

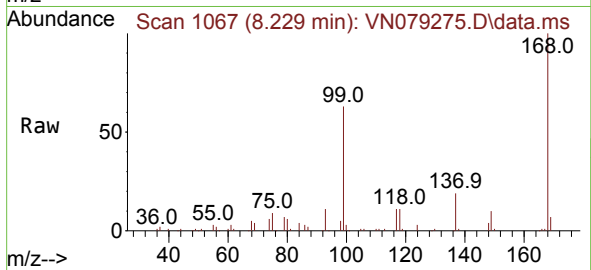
Lab File: VN079275.D

Acq: 15 Sep 2023 16:30

Instrument :

MSVOA_N

ClientSampleId :



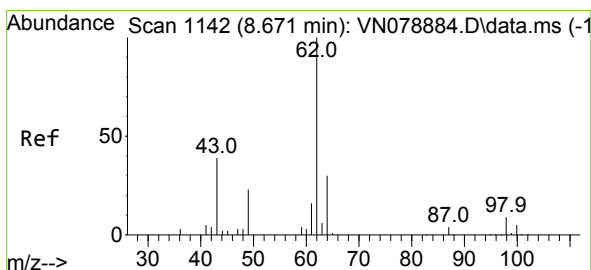
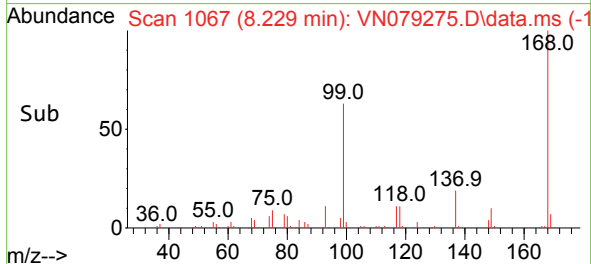
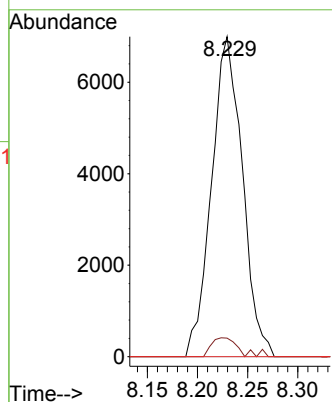
Tgt Ion:117 Resp: 14969

Ion Ratio Lower Upper

117 100

119 5.8 77.3 115.9#

121 0.0 23.3 34.9#



#42

1,2-Dichloroethane

Concen: 0.282 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.005 min

Lab File: VN079275.D

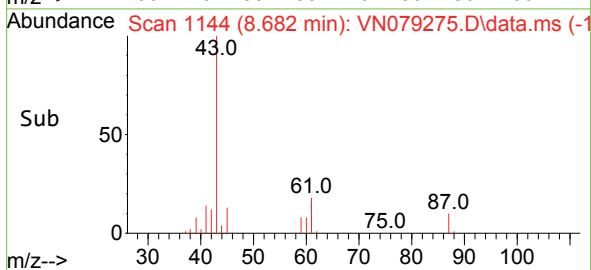
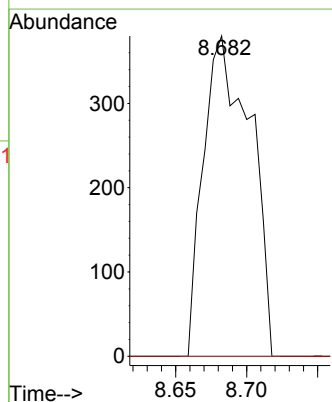
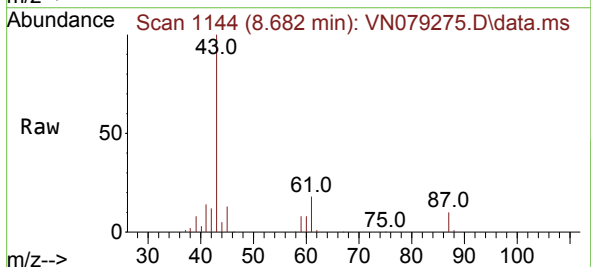
Acq: 15 Sep 2023 16:30

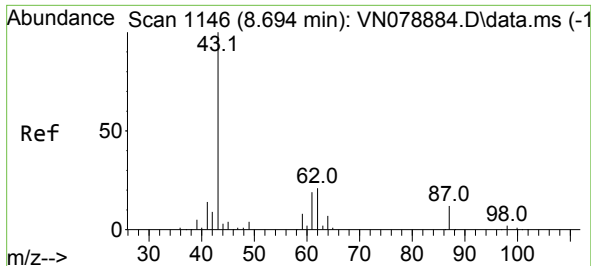
Tgt Ion: 62 Resp: 875

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8

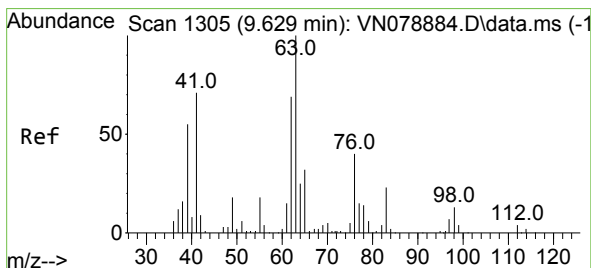
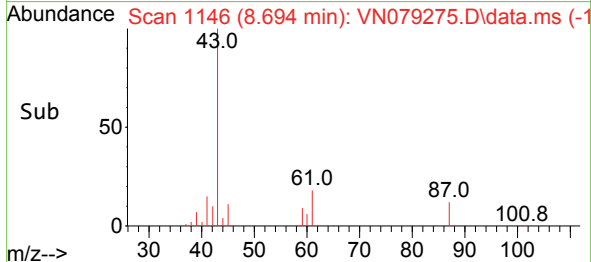
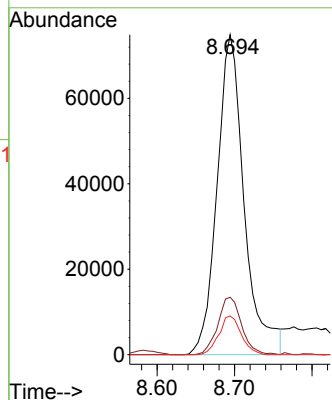
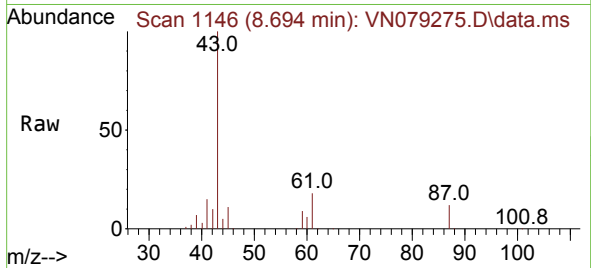




#43
Isopropyl Acetate
Concen: 38.047 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

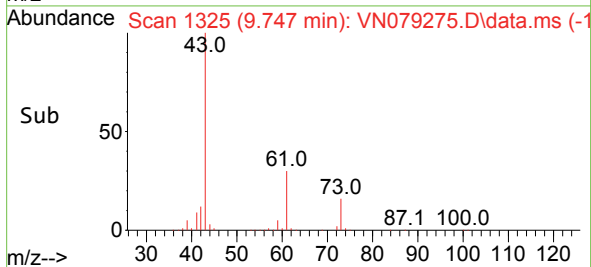
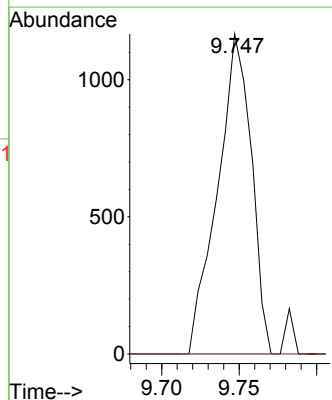
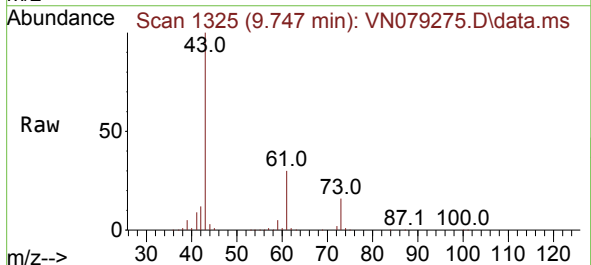
Instrument :
MSVOA_N
ClientSampleId :

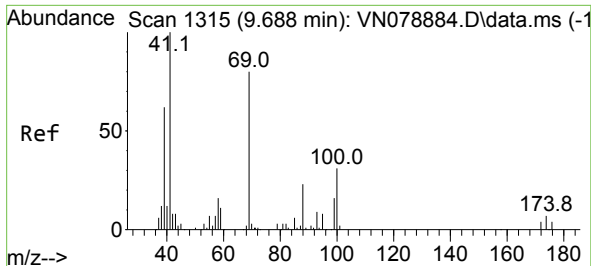
Tgt Ion: 43 Resp: 182044
Ion Ratio Lower Upper
43 100
61 15.8 24.7 37.1#
87 10.0 14.6 21.8#



#45
1,2-Dichloropropane
Concen: 0.792 ug/l
RT: 9.747 min Scan# 1325
Delta R.T. 0.123 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

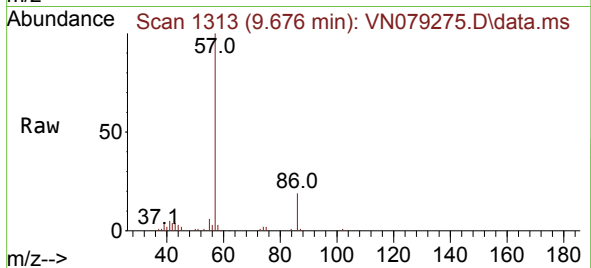
Tgt Ion: 63 Resp: 1768
Ion Ratio Lower Upper
63 100
65 0.0 23.9 35.9#



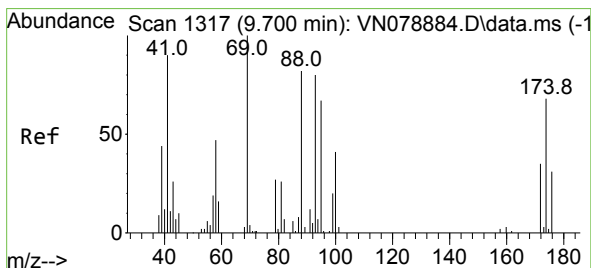
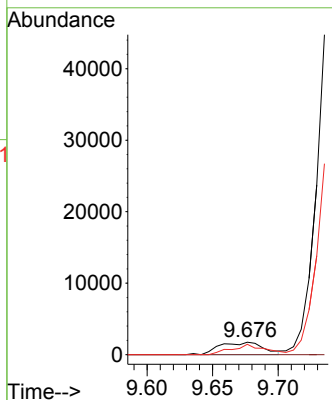
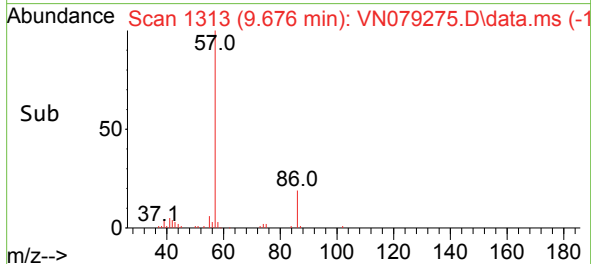


#48
Methyl methacrylate
Concen: 1.884 ug/l
RT: 9.676 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

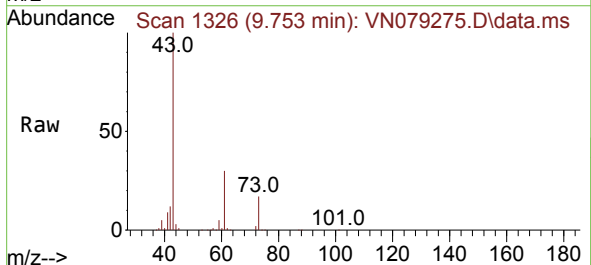
Instrument :
MSVOA_N
ClientSampleId :



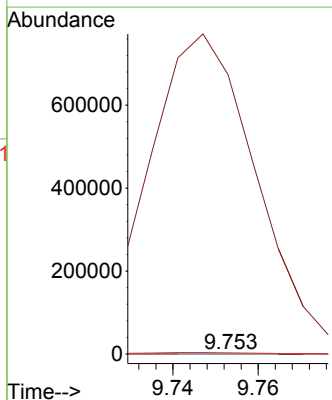
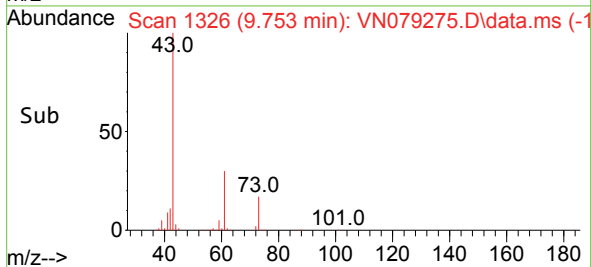
Tgt Ion: 41 Resp: 4038
Ion Ratio Lower Upper
41 100
69 0.0 90.4 135.6#
39 64.3 54.6 81.8

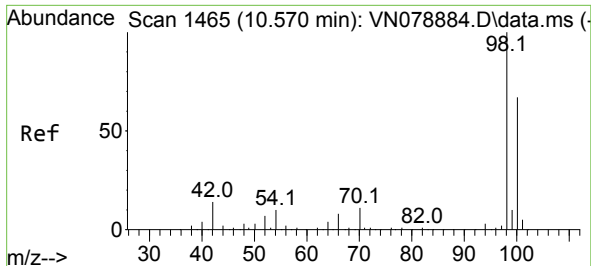


#49
1,4-Dioxane
Concen: 1.225 ug/l
RT: 9.753 min Scan# 1326
Delta R.T. 0.053 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30



Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 2616620.4 17.0 25.6#
58 12320.4 47.0 70.4#

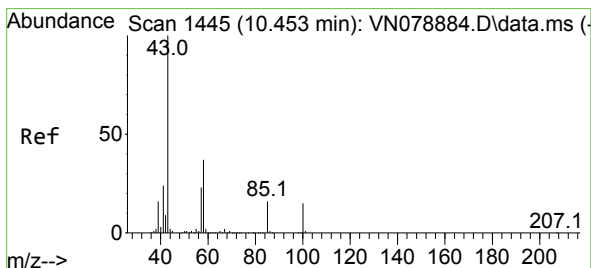
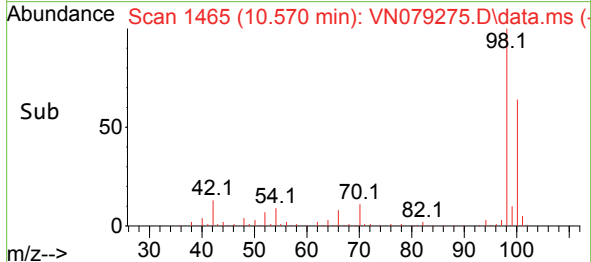
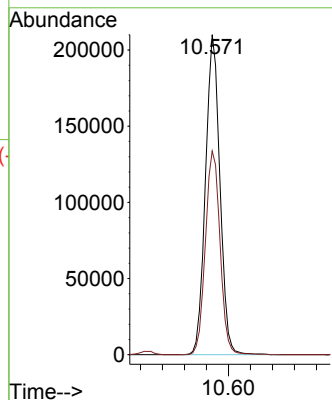
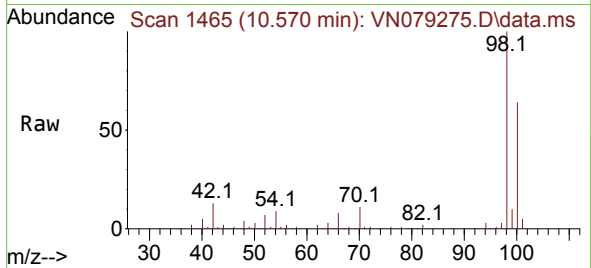




#50
Toluene-d8
Concen: 54.640 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.001 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

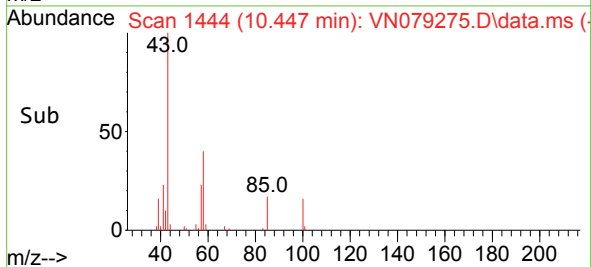
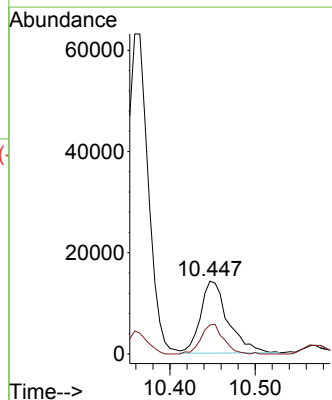
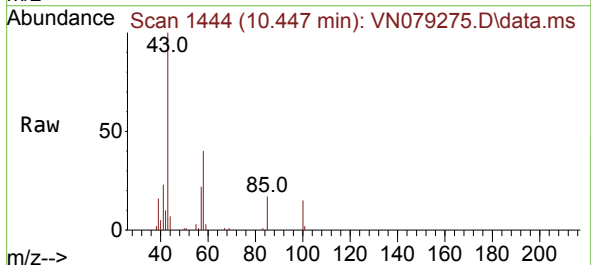
Instrument :
MSVOA_N
ClientSampleId :

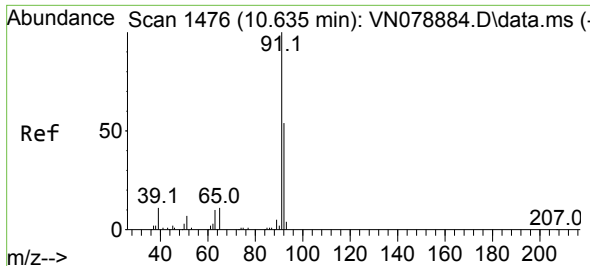
Tgt Ion: 98 Resp: 382668
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 11.465 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.006 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

Tgt Ion: 43 Resp: 31844
Ion Ratio Lower Upper
43 100
58 33.5 36.6 54.8#

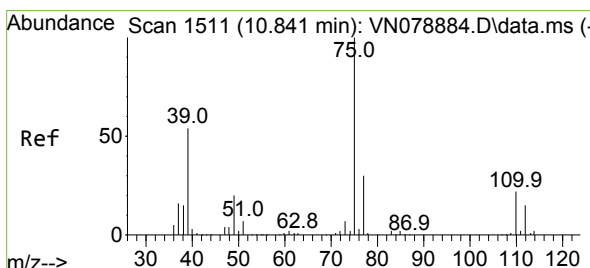
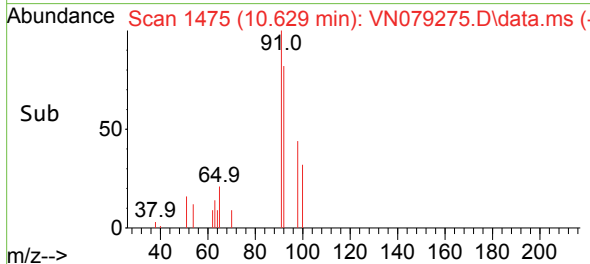
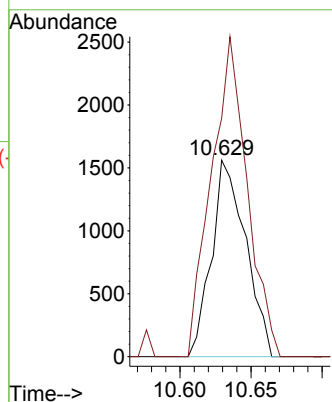
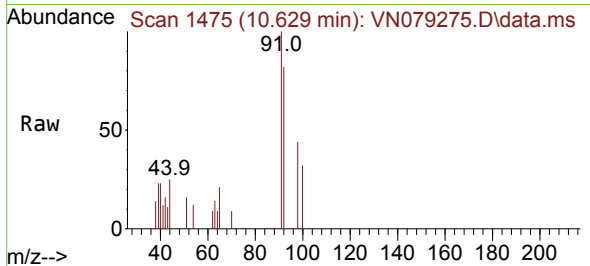




#52
Toluene
Concen: 0.472 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

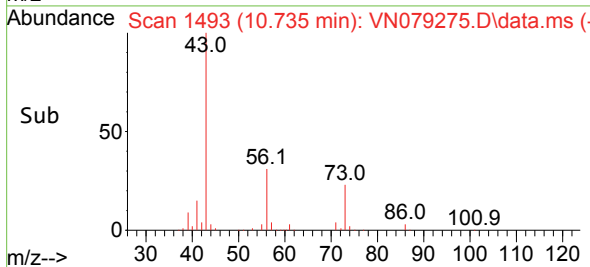
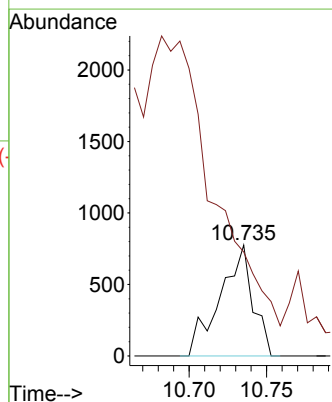
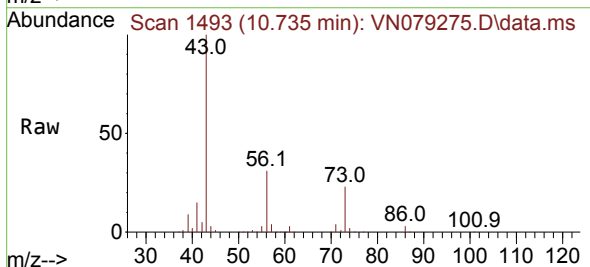
Instrument :
MSVOA_N
ClientSampleId :

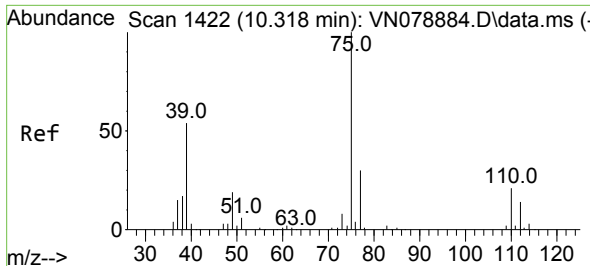
Tgt Ion: 92 Resp: 2611
Ion Ratio Lower Upper
92 100
91 171.2 137.4 206.0



#53
t-1,3-Dichloropropene
Concen: 0.349 ug/l
RT: 10.735 min Scan# 1493
Delta R.T. -0.106 min
Lab File: VN079275.D
Acq: 15 Sep 2023 16:30

Tgt Ion: 75 Resp: 1144
Ion Ratio Lower Upper
75 100
77 66.8 25.4 38.0#

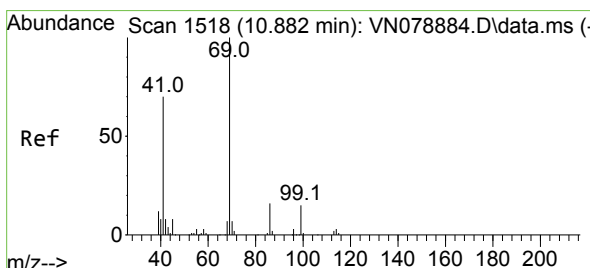
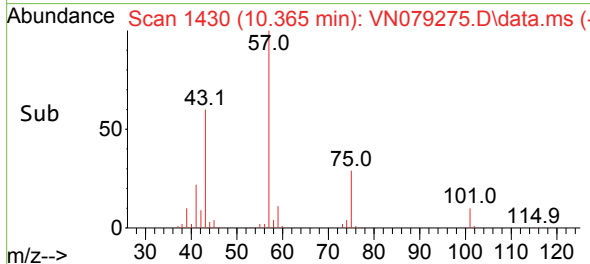
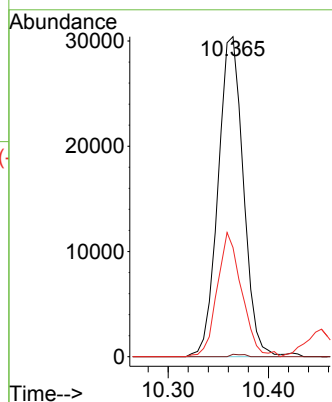
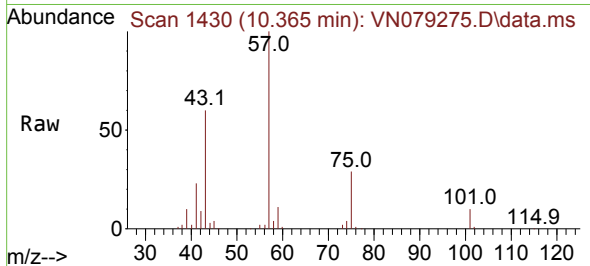




#54
 cis-1,3-Dichloropropene
 Concen: 15.158 ug/l
 RT: 10.365 min Scan# 1422
 Delta R.T. 0.047 min
 Lab File: VN079275.D
 Acq: 15 Sep 2023 16:30

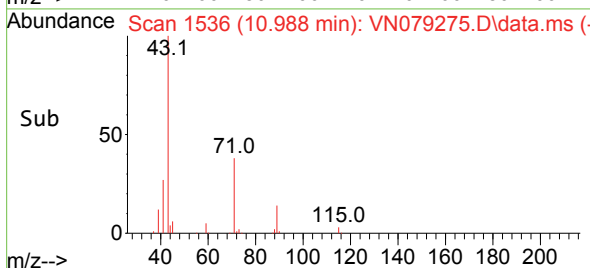
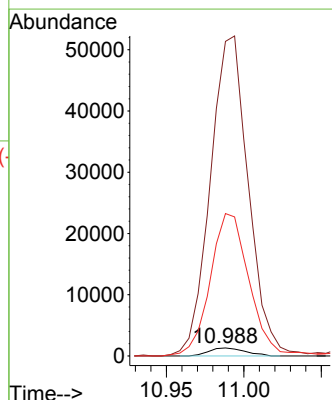
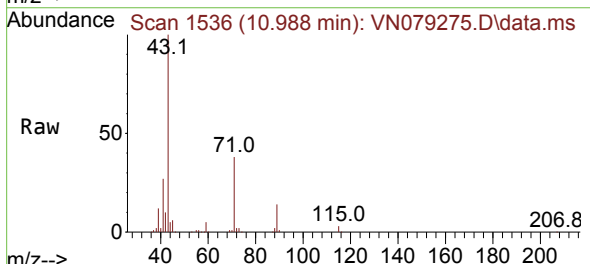
Instrument :
 MSVOA_N
 ClientSampleId :

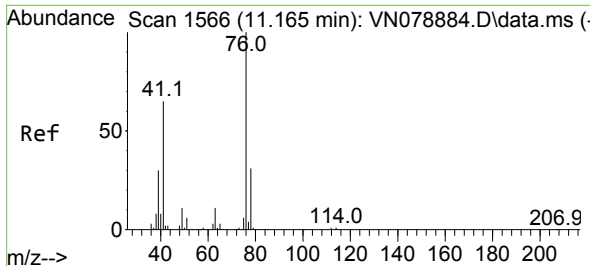
Tgt Ion: 75 Resp: 53092
 Ion Ratio Lower Upper
 75 100
 77 0.8 26.1 39.1#
 39 34.1 31.6 47.4



#56
 Ethyl methacrylate
 Concen: 0.693 ug/l
 RT: 10.988 min Scan# 1536
 Delta R.T. 0.111 min
 Lab File: VN079275.D
 Acq: 15 Sep 2023 16:30

Tgt Ion: 69 Resp: 2123
 Ion Ratio Lower Upper
 69 100
 41 4209.0 39.6 59.4#
 39 1918.2 28.6 43.0#





#57

1,3-Dichloropropane

Concen: 2.044 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.041 min

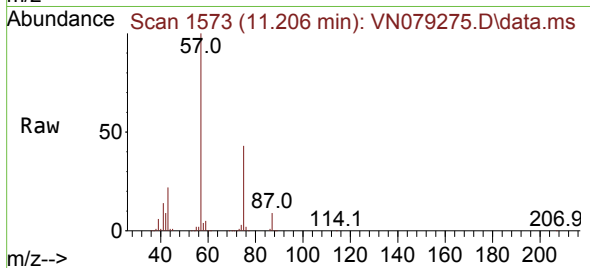
Lab File: VN079275.D

Acq: 15 Sep 2023 16:30

Instrument :

MSVOA_N

ClientSampleId :

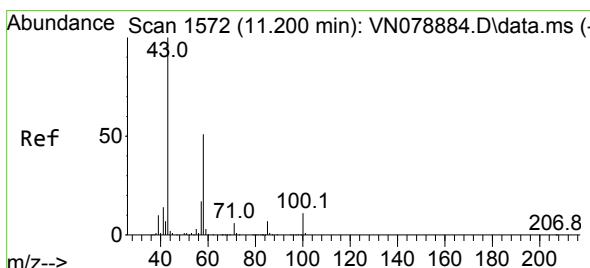
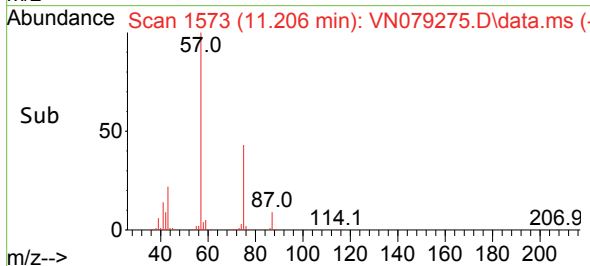
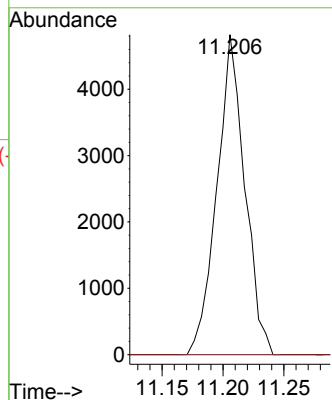


Tgt Ion: 76 Resp: 7670

Ion Ratio Lower Upper

76 100

78 0.0 26.1 39.1#



#59

2-Hexanone

Concen: 43.903 ug/l

RT: 11.206 min Scan# 1573

Delta R.T. 0.006 min

Lab File: VN079275.D

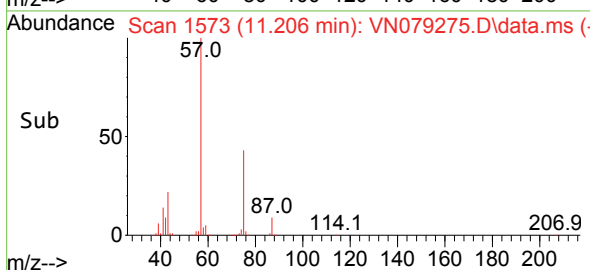
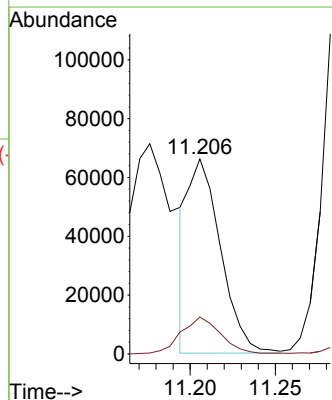
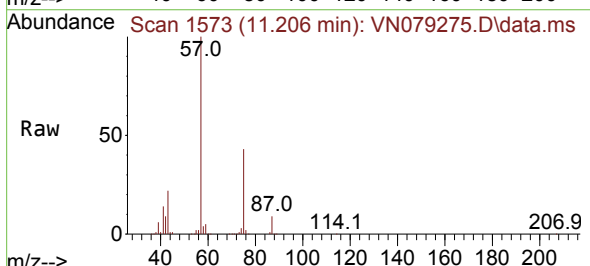
Acq: 15 Sep 2023 16:30

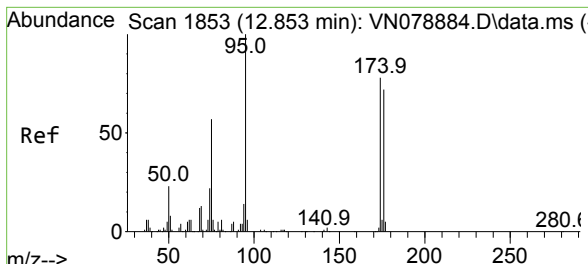
Tgt Ion: 43 Resp: 88319

Ion Ratio Lower Upper

43 100

58 23.2 31.7 95.1#

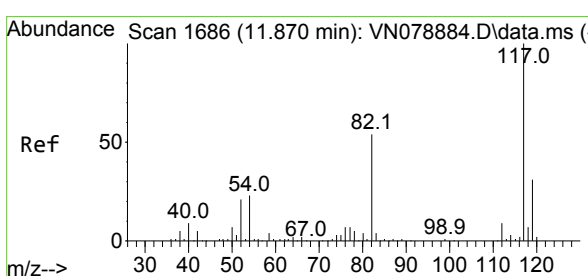
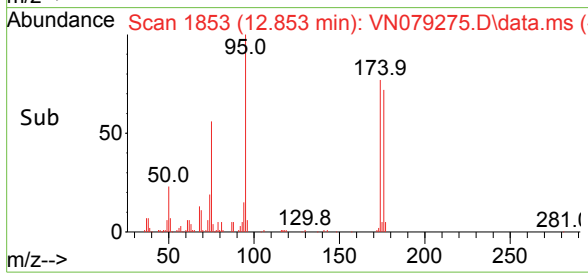
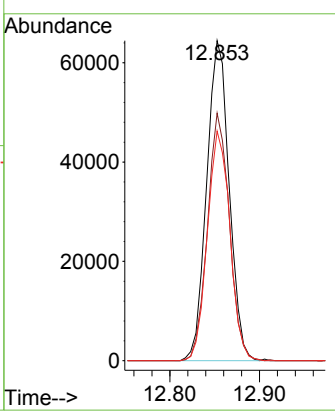
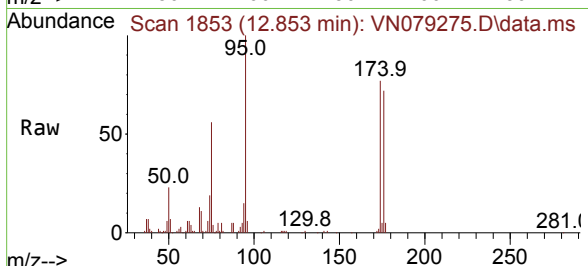




#62
 4-Bromofluorobenzene
 Concen: 50.255 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079275.D
 Acq: 15 Sep 2023 16:30

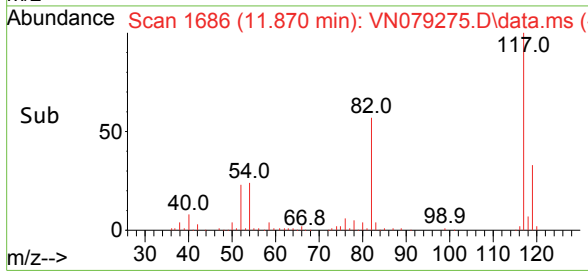
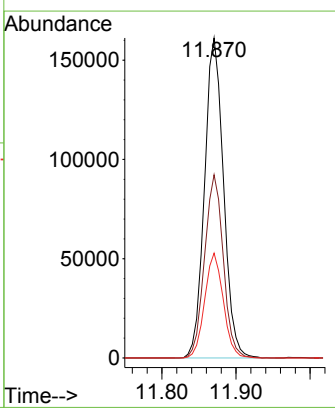
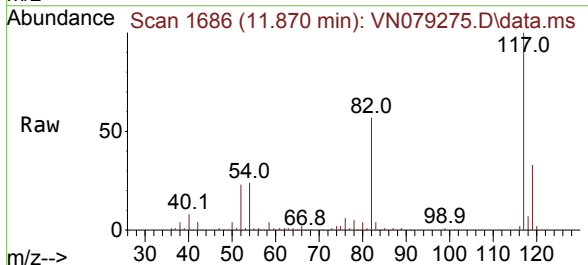
Instrument :
 MSVOA_N
 ClientSampleId :

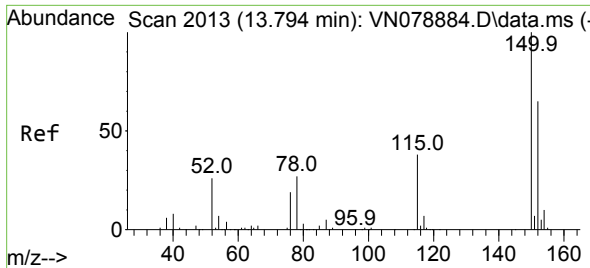
Tgt Ion:	95	Resp:	112268
Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	143.8
176	71.9	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.870 min Scan# 1686
 Delta R.T. -0.001 min
 Lab File: VN079275.D
 Acq: 15 Sep 2023 16:30

Tgt Ion:	117	Resp:	287116
Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.0	66.0
119	32.8	25.6	38.4

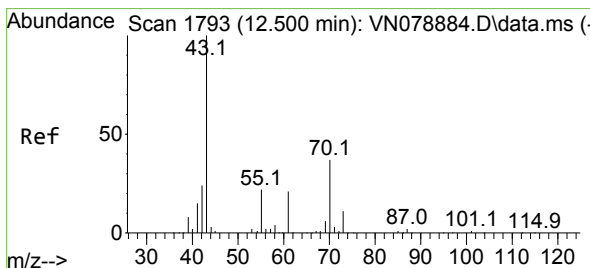
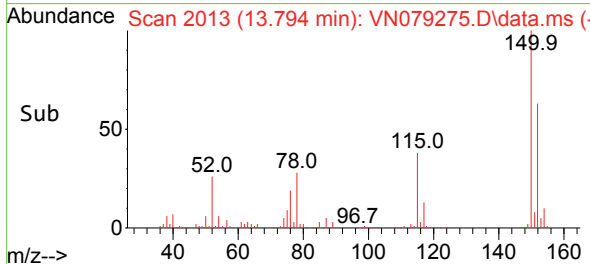
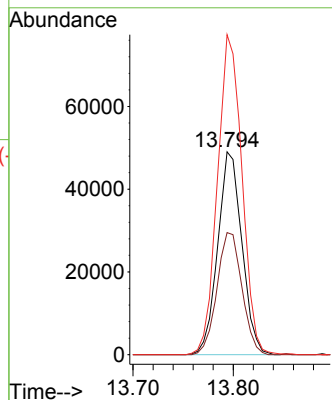
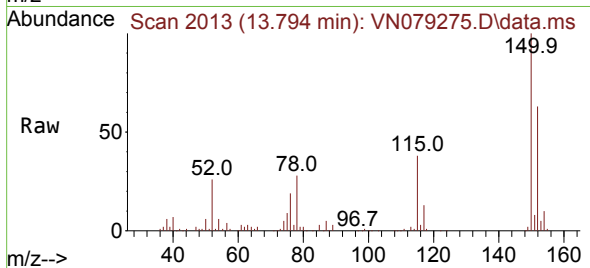




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN079275.D
 Acq: 15 Sep 2023 16:30

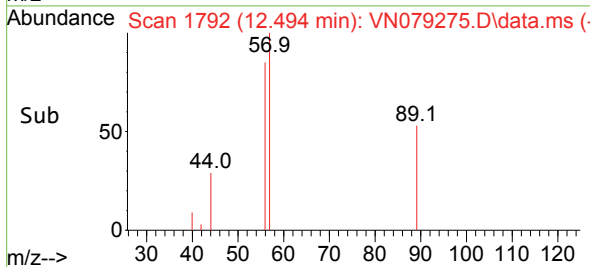
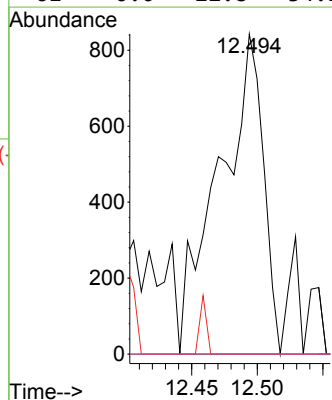
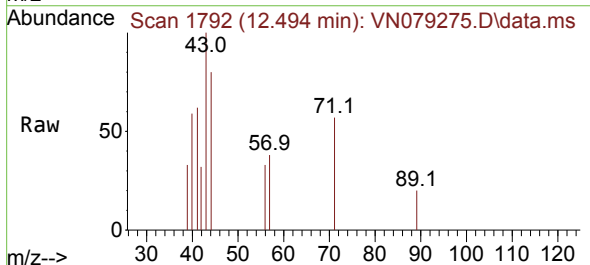
Instrument :
 MSVOA_N
 ClientSampleId :

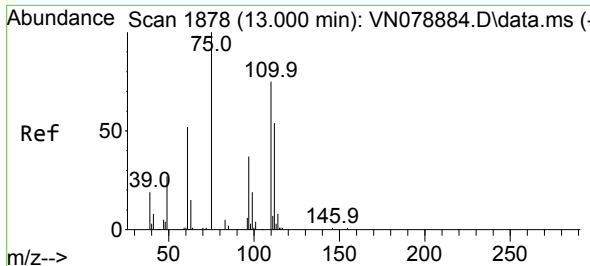
Tgt Ion:152 Resp: 82145
 Ion Ratio Lower Upper
 152 100
 115 61.9 32.3 96.8
 150 159.8 0.0 355.8



#74
 N-ethyl acetate
 Concen: 0.696 ug/l
 RT: 12.494 min Scan# 1792
 Delta R.T. -0.006 min
 Lab File: VN079275.D
 Acq: 15 Sep 2023 16:30

Tgt Ion: 43 Resp: 1974
 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#

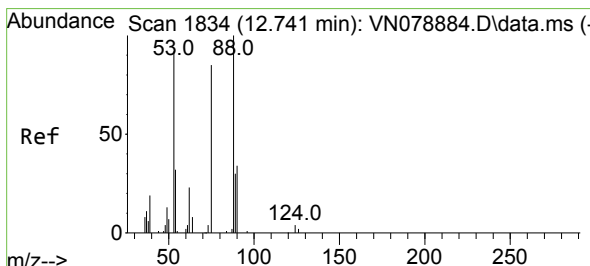
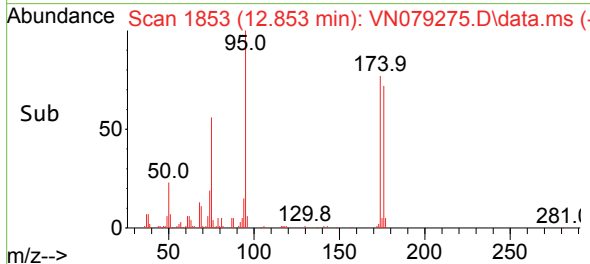
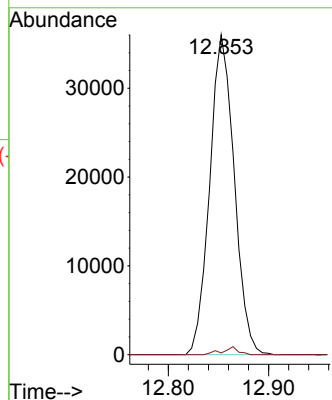
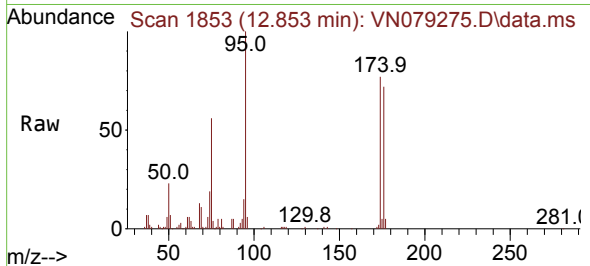




#76
 1,2,3-Trichloropropane
 Concen: 27.672 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.147 min
 Lab File: VN079275.D
 Acq: 15 Sep 2023 16:30

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion: 75 Resp: 61264
 Ion Ratio Lower Upper
 75 100
 77 1.6 84.5 253.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.077 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.112 min
 Lab File: VN079275.D
 Acq: 15 Sep 2023 16:30

Tgt Ion: 75 Resp: 61264
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.4 101.2#
 89 0.0 38.8 58.2#

