

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091223\
 Data File : VN079243.D
 Acq On : 12 Sep 2023 18:24
 Operator : JC\MD
 Sample : 04327-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 13 01:35:43 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

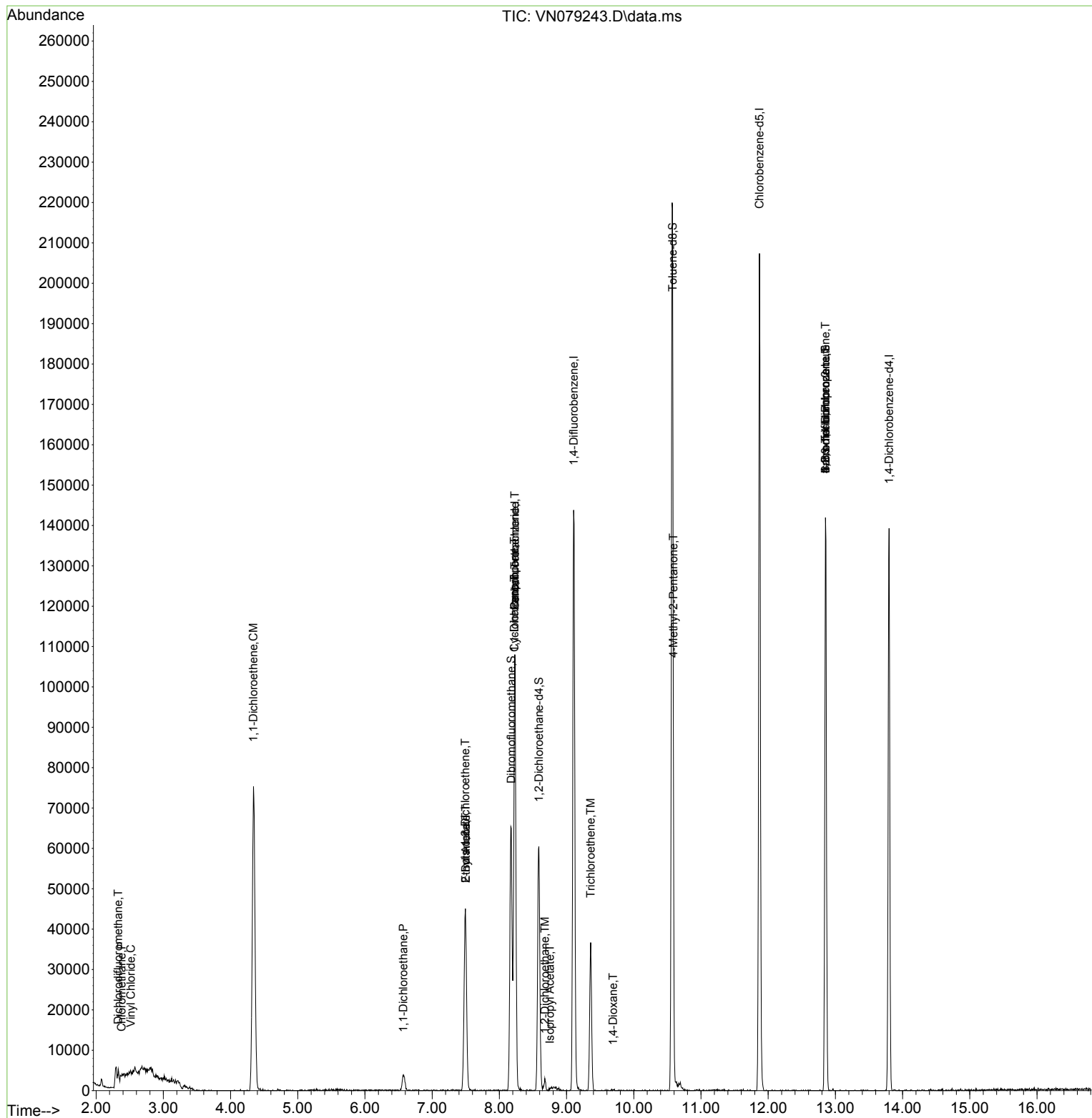
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	81509	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	130454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	123118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.800	152	39952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	55911	50.815	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 101.620%	
35) Dibromofluoromethane	8.177	113	47309	54.519	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 109.040%	
50) Toluene-d8	10.576	98	162805	51.096	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 102.200%	
62) 4-Bromofluorobenzene	12.853	95	51565	50.735	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 101.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.330	85	213	0.264	ug/l #	43
3) Chloromethane	2.377	50	318	0.300	ug/l #	42
4) Vinyl Chloride	2.518	62	415	0.360	ug/l #	1
6) Chloroethane	3.106	64	389	Below Cal	#	43
12) 1,1-Dichloroethene	4.342	96	45865	52.759	ug/l	89
24) 1,1-Dichloroethane	6.571	63	6625	3.532	ug/l #	81
25) 2-Butanone	7.500	43	419	0.618	ug/l #	37
27) cis-1,2-Dichloroethene	7.494	96	28299	24.541	ug/l	97
31) Cyclohexane	8.224	56	1424	0.886	ug/l #	47
36) 1,1-Dichloropropene	8.224	75	5894	4.407	ug/l #	48
37) Ethyl Acetate	7.500	43	419	0.314	ug/l #	1
38) Carbon Tetrachloride	8.230	117	8462	6.114	ug/l #	17
42) 1,2-Dichloroethane	8.677	62	2651	1.881	ug/l #	73
43) Isopropyl Acetate	8.753	43	503	0.231	ug/l #	49
44) Trichloroethene	9.359	130	13786	13.668	ug/l	94
49) 1,4-Dioxane	9.694	88	398	19.846	ug/l #	30
51) 4-Methyl-2-Pentanone	10.588	43	444	0.351	ug/l #	1
71) Bromoform	12.853	173	158	0.205	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	26593	24.697	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	26593	67.898	ug/l #	15

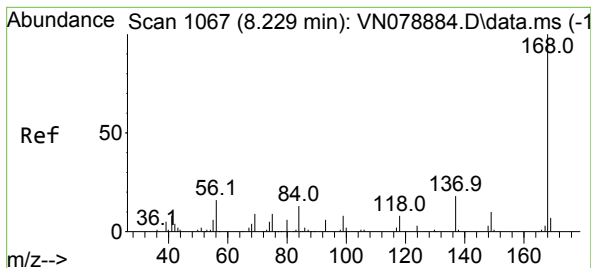
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 13 01:35:43 2023
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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# 1

Delta R.T. -0.000 min

Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

Instrument :

MSVOA_N

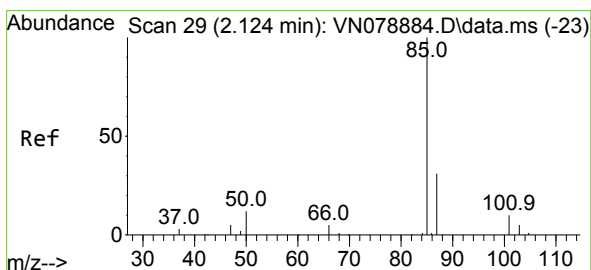
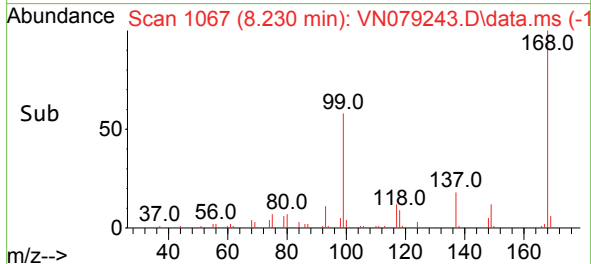
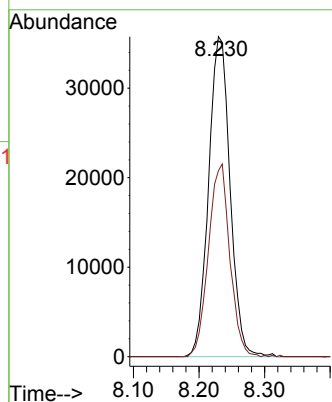
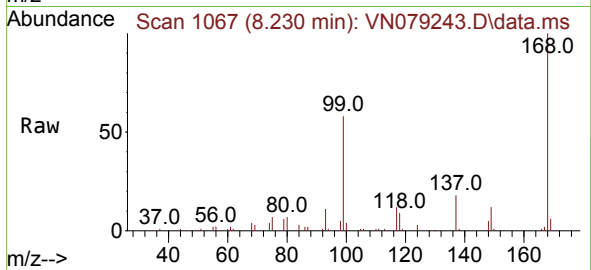
ClientSampleId :

Tgt Ion:168 Resp: 81509

Ion Ratio Lower Upper

168 100

99 58.2 53.0 79.6



#2

Dichlorodifluoromethane

Concen: 0.264 ug/l

RT: 2.330 min Scan# 64

Delta R.T. 0.194 min

Lab File: VN079243.D

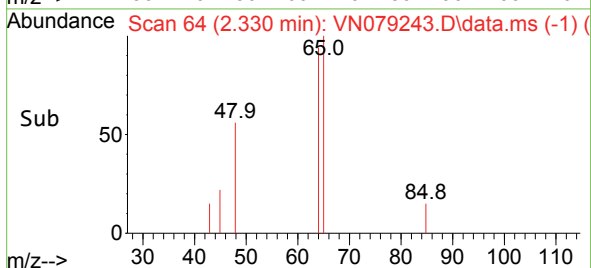
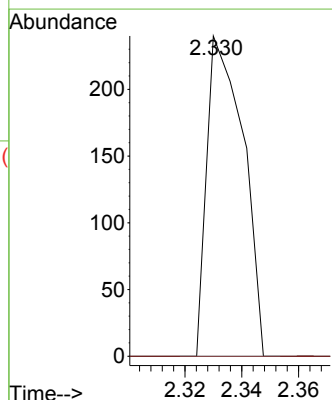
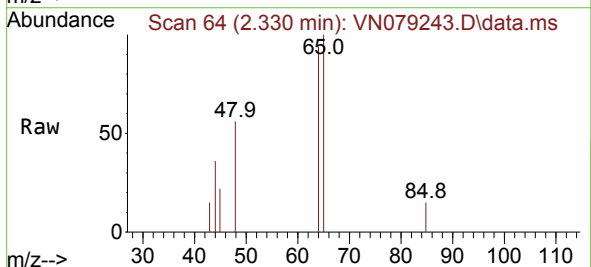
Acq: 12 Sep 2023 18:24

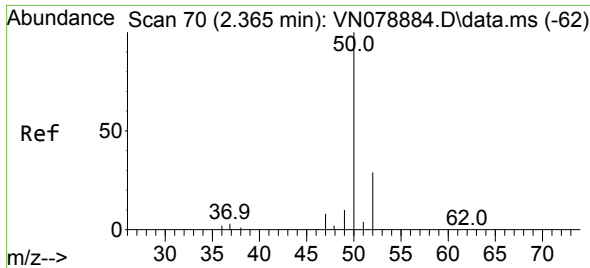
Tgt Ion: 85 Resp: 213

Ion Ratio Lower Upper

85 100

87 0.0 15.8 47.4#

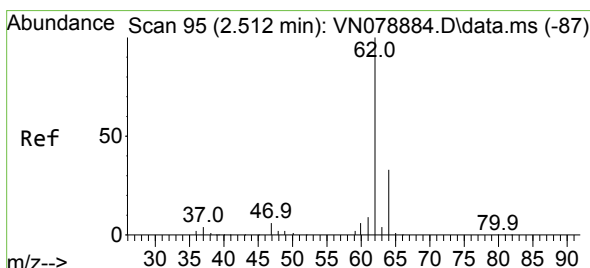
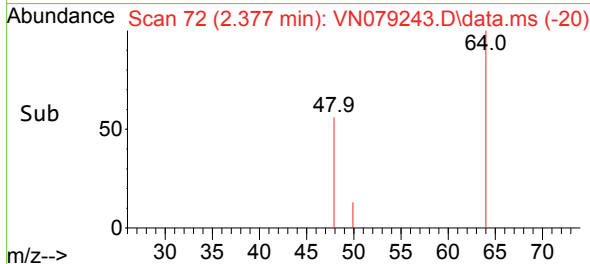
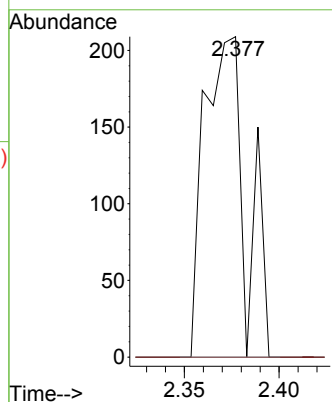
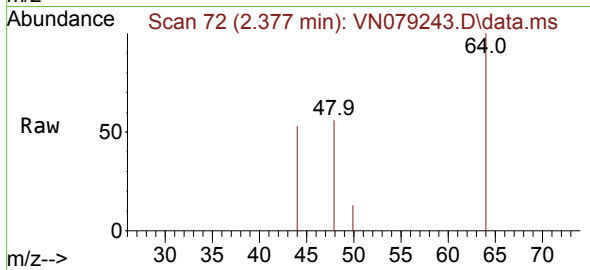




#3
Chloromethane
Concen: 0.300 ug/l
RT: 2.377 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

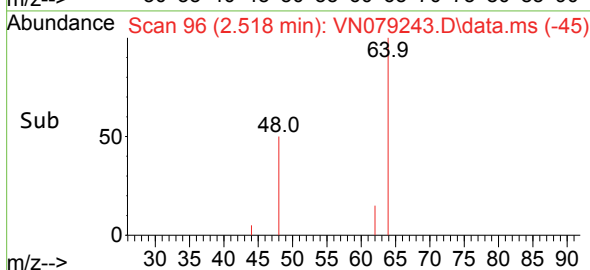
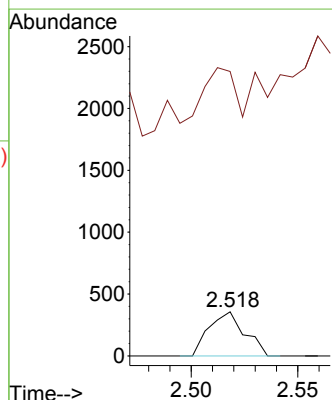
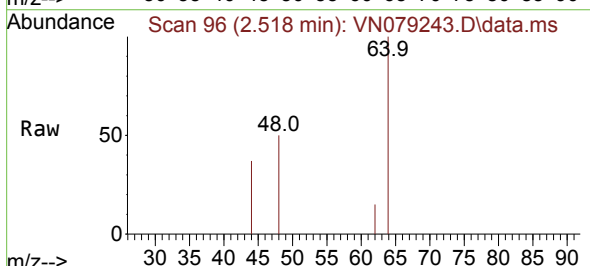
Instrument :
MSVOA_N
ClientSampleId :

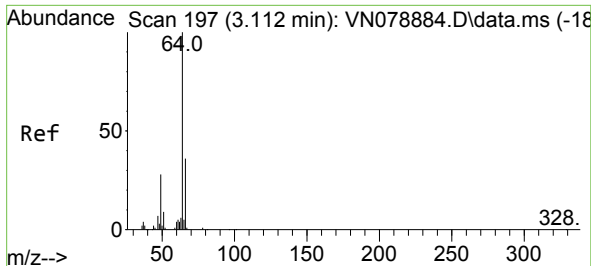
Tgt Ion: 50 Resp: 318
Ion Ratio Lower Upper
50 100
52 0.0 26.5 39.7#



#4
Vinyl Chloride
Concen: 0.360 ug/l
RT: 2.518 min Scan# 96
Delta R.T. 0.000 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

Tgt Ion: 62 Resp: 415
Ion Ratio Lower Upper
62 100
64 117.7 26.2 39.2#

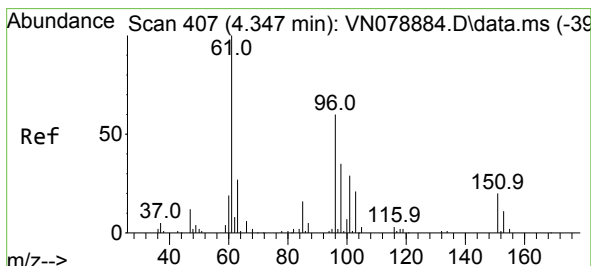
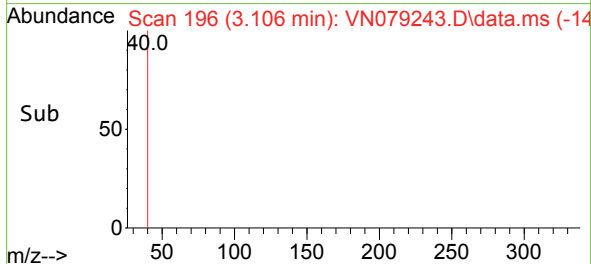
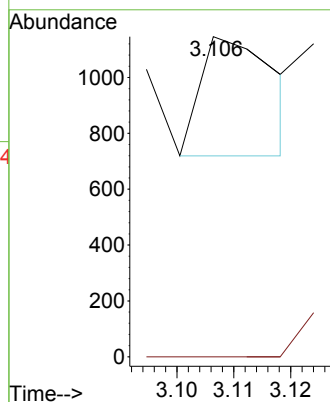
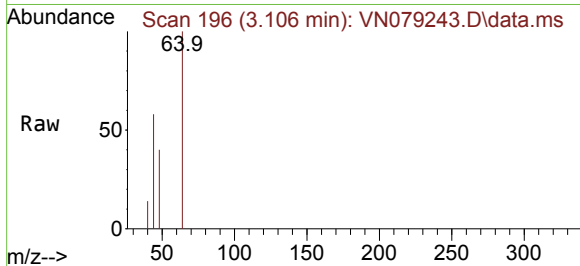




#6
Chloroethane
Concen: Below Cal
RT: 3.106 min Scan# 197
Delta R.T. -0.012 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

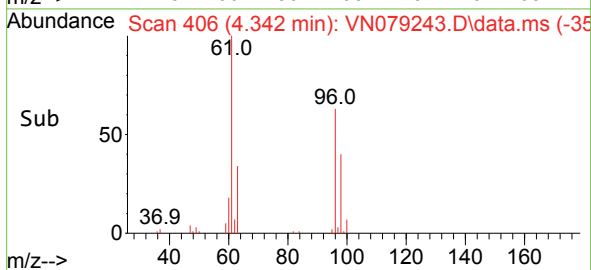
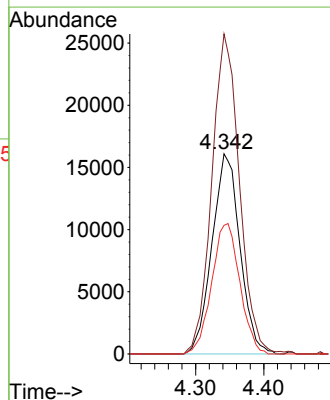
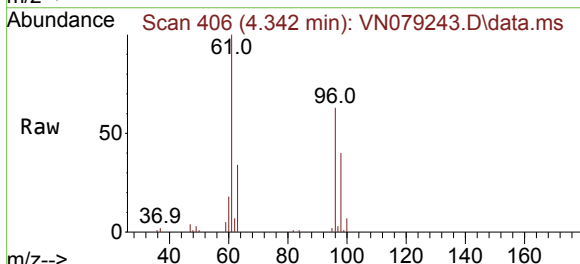
Instrument :
MSVOA_N
ClientSampleId :

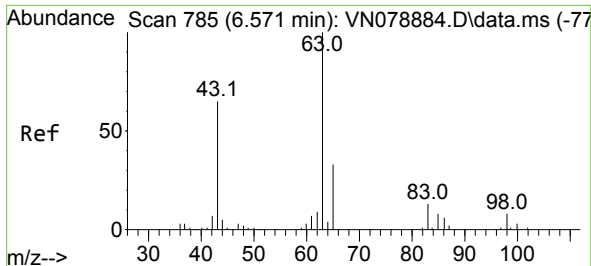
Tgt Ion: 64 Resp: 389
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#12
1,1-Dichloroethene
Concen: 52.759 ug/l
RT: 4.342 min Scan# 406
Delta R.T. -0.006 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

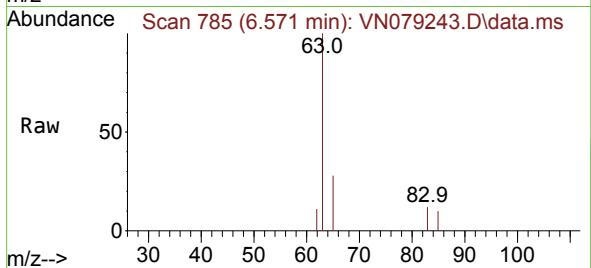
Tgt Ion: 96 Resp: 45865
Ion Ratio Lower Upper
96 100
61 159.9 112.7 169.1
98 64.3 51.2 76.8



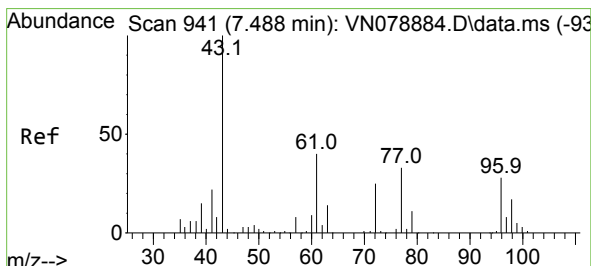
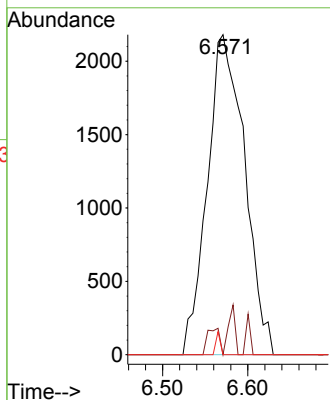
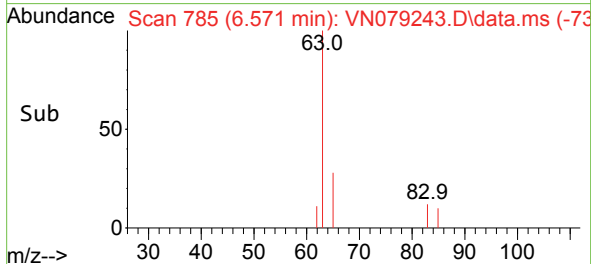


#24
1,1-Dichloroethane
Concen: 3.532 ug/l
RT: 6.571 min Scan# 71
Delta R.T. -0.006 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

Instrument :
MSVOA_N
ClientSampleId :

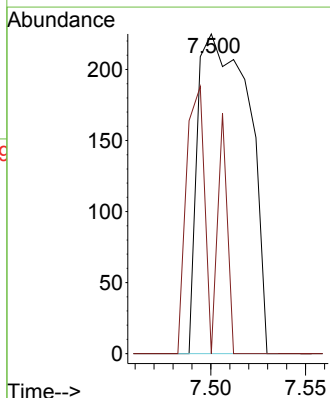
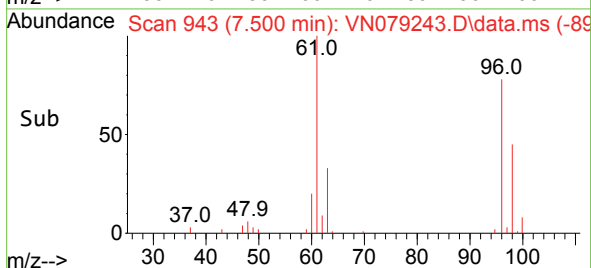
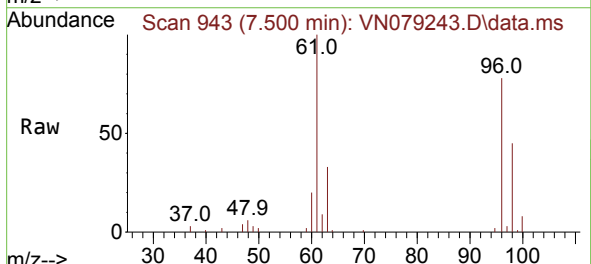


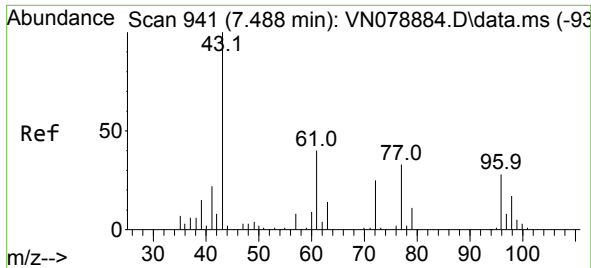
Tgt Ion: 63 Resp: 6625
Ion Ratio Lower Upper
63 100
98 0.0 3.9 11.7#
100 0.0 2.5 7.4#



#25
2-Butanone
Concen: 0.618 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

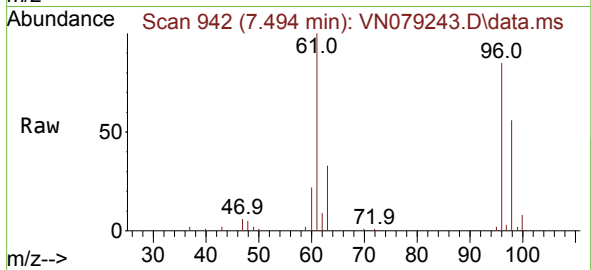
Tgt Ion: 43 Resp: 419
Ion Ratio Lower Upper
43 100
72 0.0 30.2 45.2#



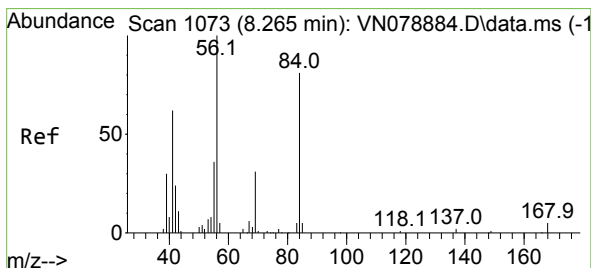
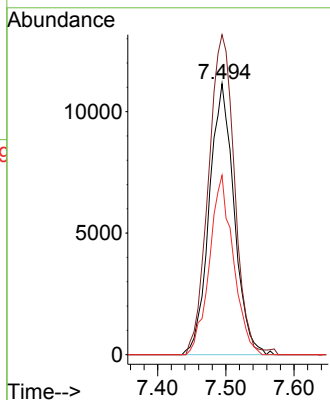
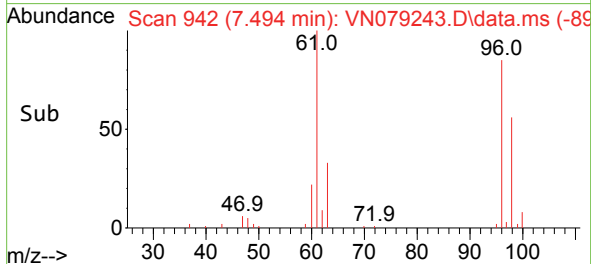


#27
 cis-1,2-Dichloroethene
 Concen: 24.541 ug/l
 RT: 7.494 min Scan# 94
 Delta R.T. -0.006 min
 Lab File: VN079243.D
 Acq: 12 Sep 2023 18:24

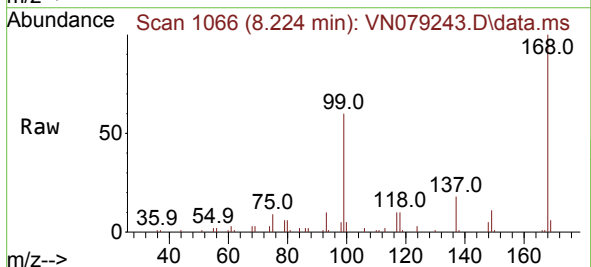
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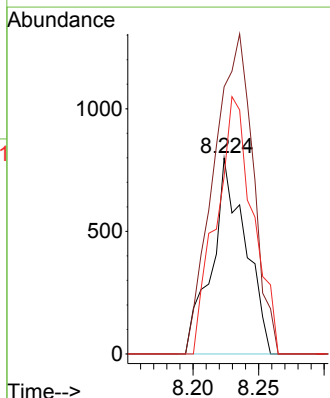
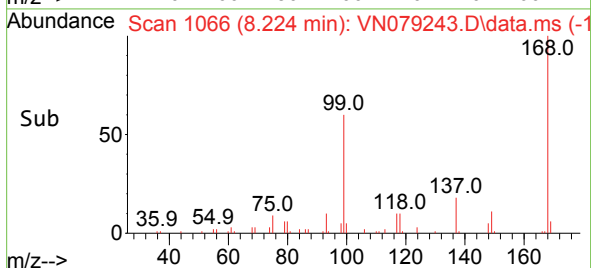
Tgt Ion: 96 Resp: 28299
 Ion Ratio Lower Upper
 96 100
 61 123.8 0.0 255.2
 98 63.3 0.0 128.8

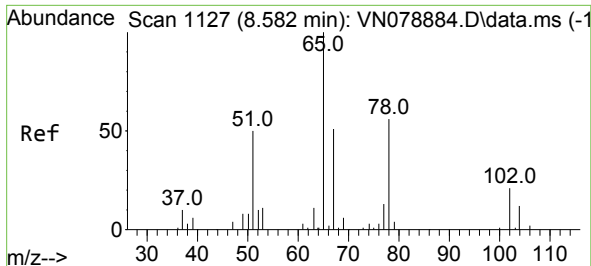


#31
 Cyclohexane
 Concen: 0.886 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.041 min
 Lab File: VN079243.D
 Acq: 12 Sep 2023 18:24



Tgt Ion: 56 Resp: 1424
 Ion Ratio Lower Upper
 56 100
 69 136.4 26.8 40.2#
 84 90.5 81.8 122.6





#33

1,2-Dichloroethane-d4

Concen: 50.815 ug/l

RT: 8.588 min Scan# 1127

Delta R.T. 0.005 min

Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

Instrument :

MSVOA_N

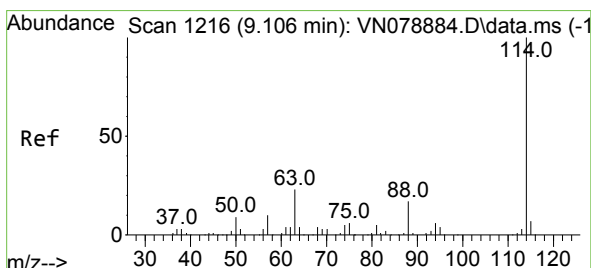
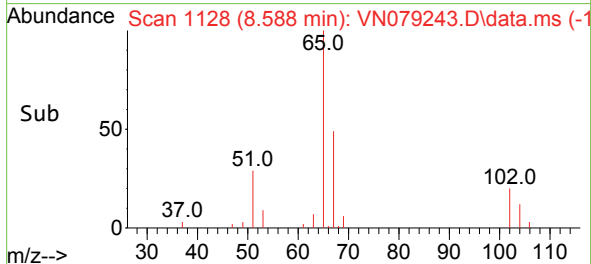
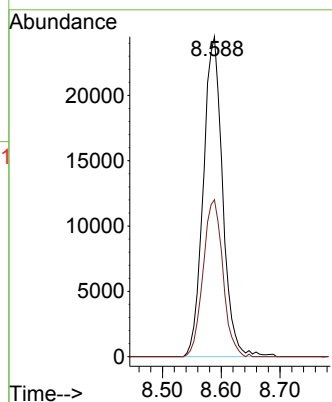
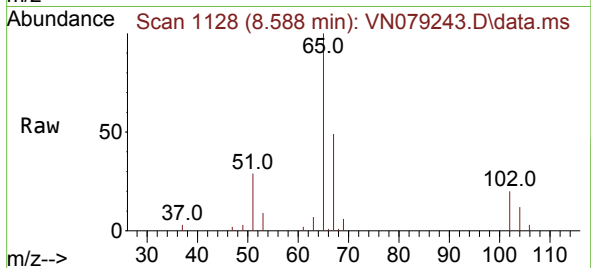
ClientSampleId :

Tgt Ion: 65 Resp: 55911

Ion Ratio Lower Upper

65 100

67 50.2 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.006 min

Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

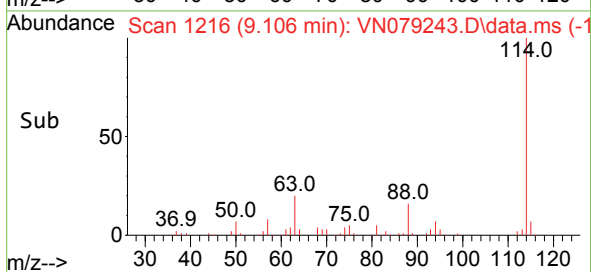
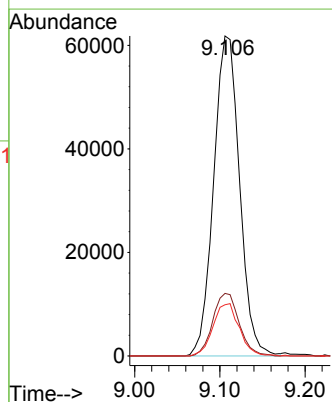
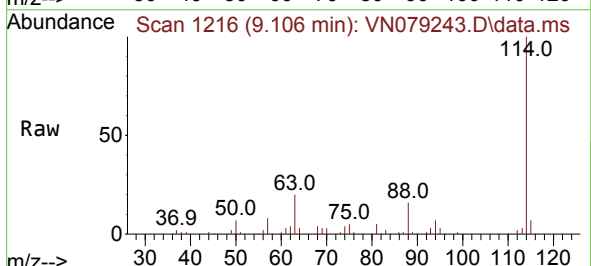
Tgt Ion: 114 Resp: 130454

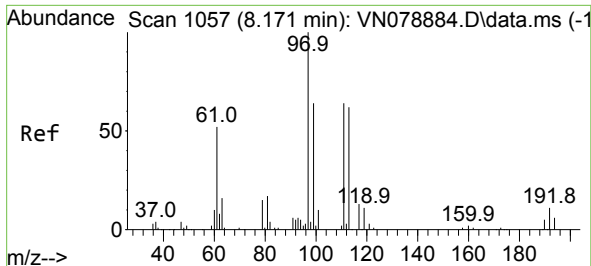
Ion Ratio Lower Upper

114 100

63 19.6 0.0 36.4

88 16.0 0.0 30.6





#35

Dibromofluoromethane

Concen: 54.519 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

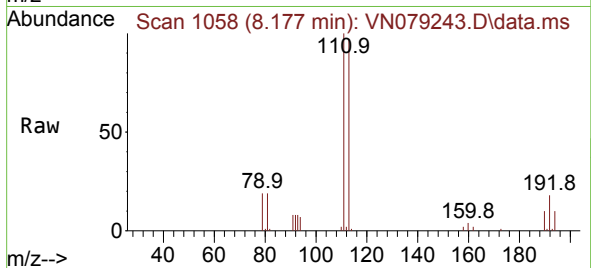
Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

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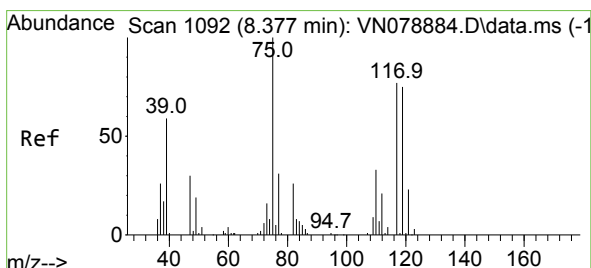
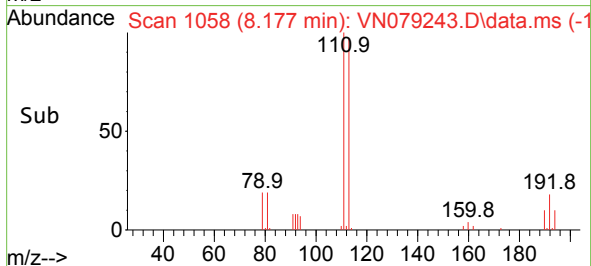
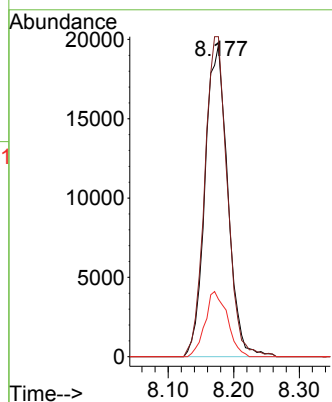
Tgt Ion:113 Resp: 47309

Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 20.5 12.7 19.1#



#36

1,1-Dichloropropene

Concen: 4.407 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

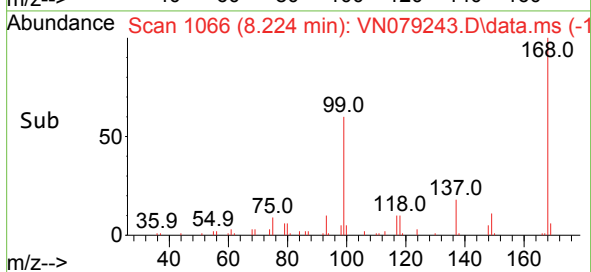
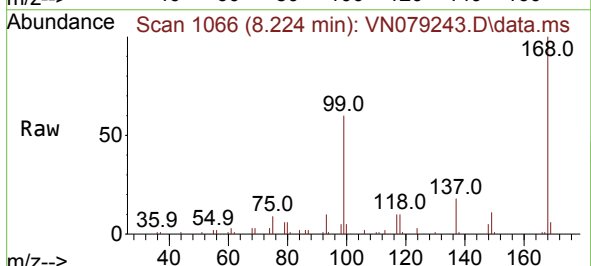
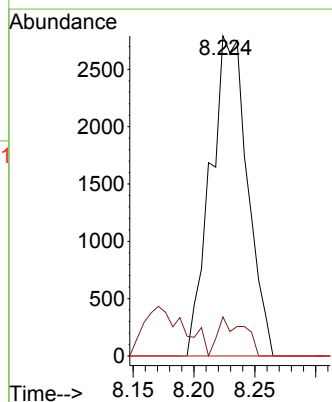
Tgt Ion: 75 Resp: 5894

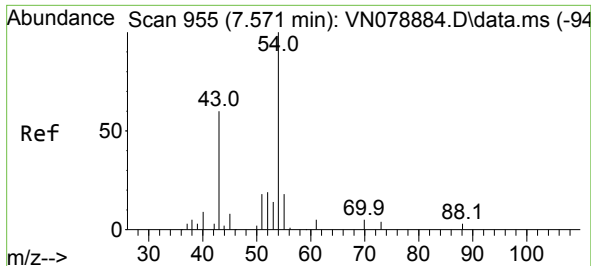
Ion Ratio Lower Upper

75 100

110 8.5 19.1 57.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.314 ug/l

RT: 7.500 min Scan# 94

Delta R.T. -0.071 min

Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

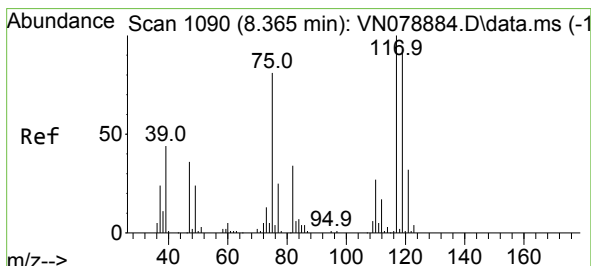
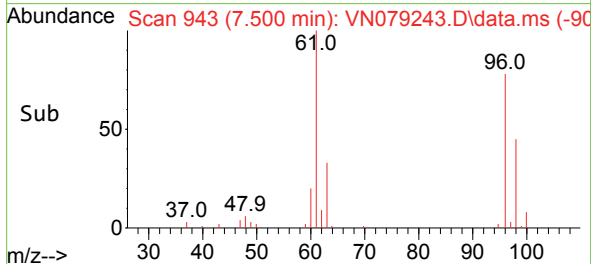
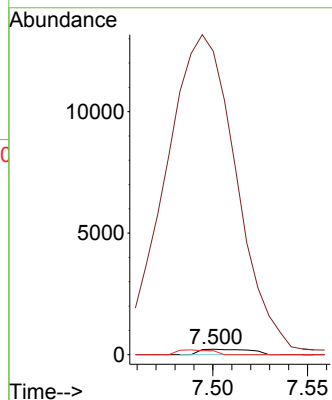
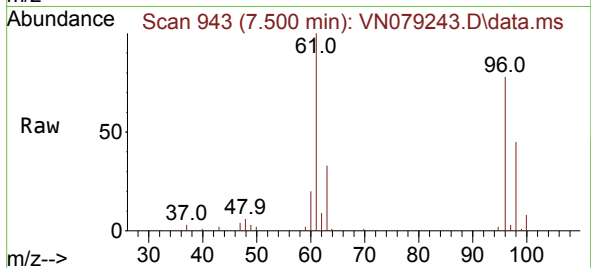
Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion: 43 Resp: 419

Ion	Ratio	Lower	Upper
43	100		
61	8361.8	13.2	19.8#
70	59.4	11.3	16.9#



#38

Carbon Tetrachloride

Concen: 6.114 ug/l

RT: 8.230 min Scan# 1067

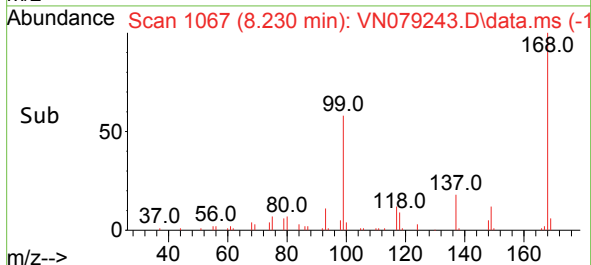
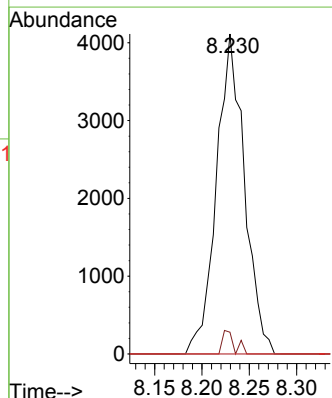
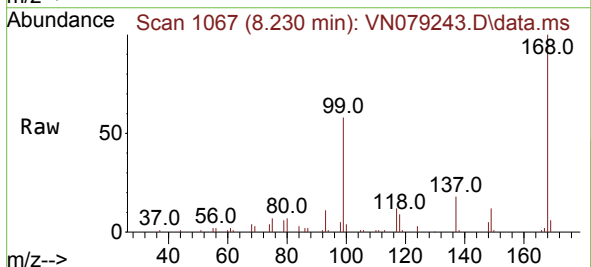
Delta R.T. -0.141 min

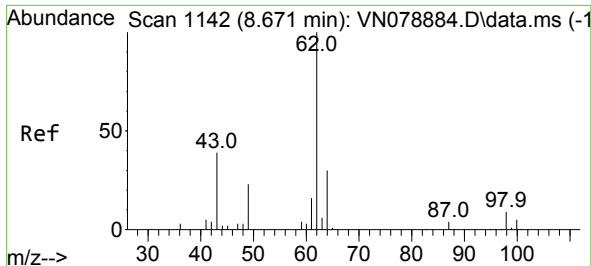
Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

Tgt Ion: 117 Resp: 8462

Ion	Ratio	Lower	Upper
117	100		
119	6.8	77.3	115.9#
121	0.0	23.3	34.9#





#42

1,2-Dichloroethane

Concen: 1.881 ug/l

RT: 8.677 min Scan# 1142

Delta R.T. -0.000 min

Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

Instrument :

MSVOA_N

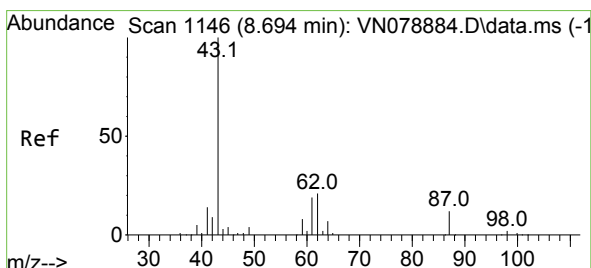
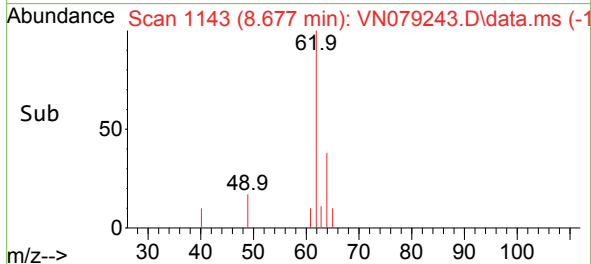
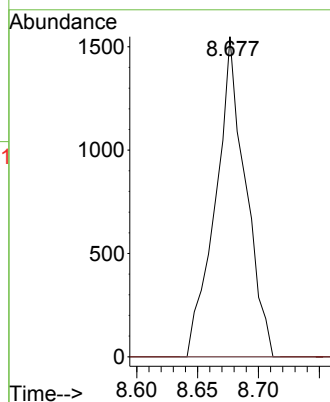
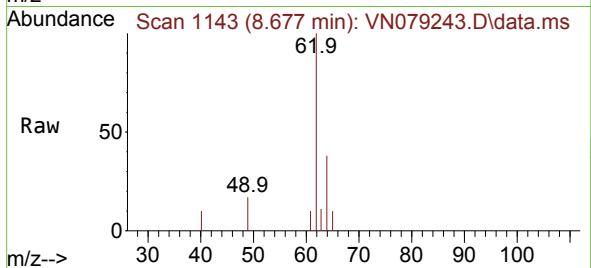
ClientSampleId :

Tgt Ion: 62 Resp: 2651

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 0.231 ug/l

RT: 8.753 min Scan# 1156

Delta R.T. 0.059 min

Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

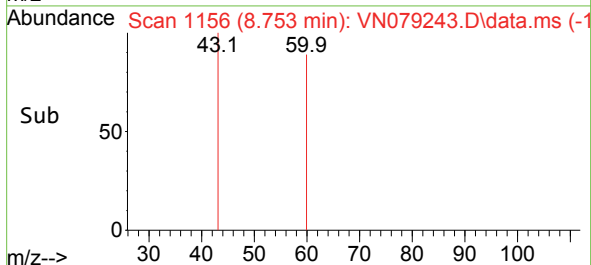
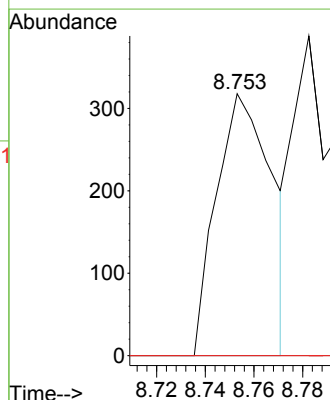
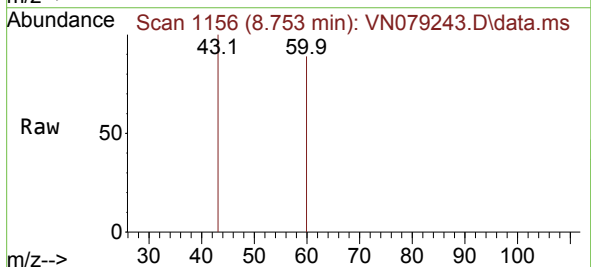
Tgt Ion: 43 Resp: 503

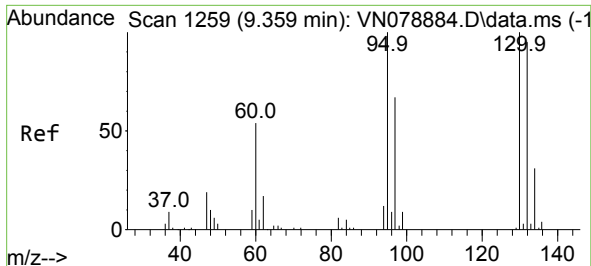
Ion Ratio Lower Upper

43 100

61 0.0 24.7 37.1#

87 0.0 14.6 21.8#

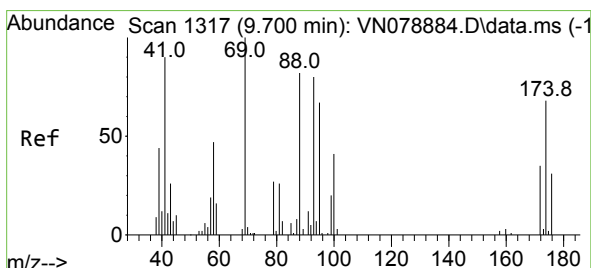
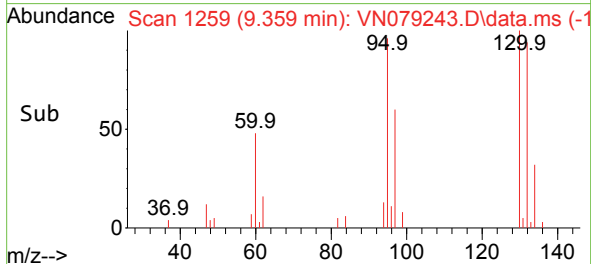
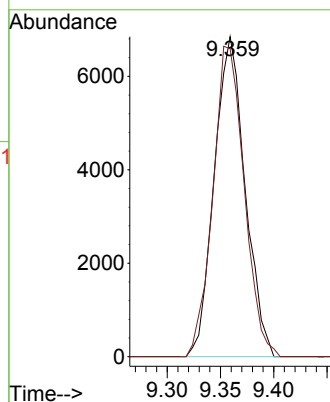
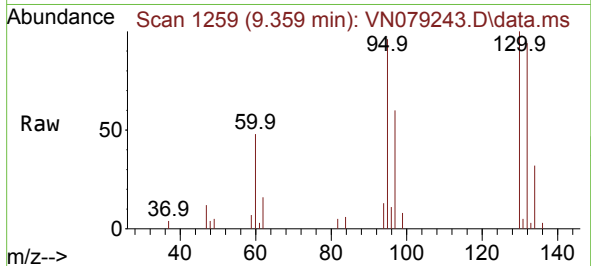




#44
Trichloroethene
Concen: 13.668 ug/l
RT: 9.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

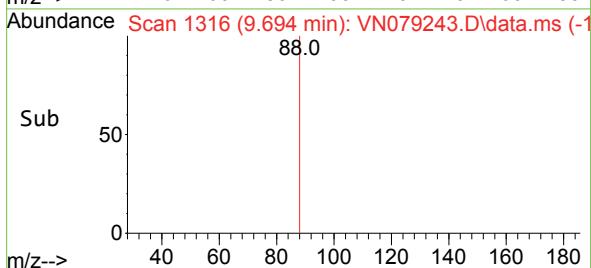
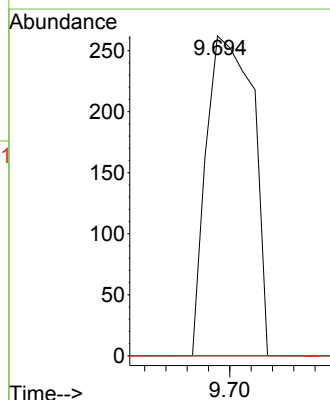
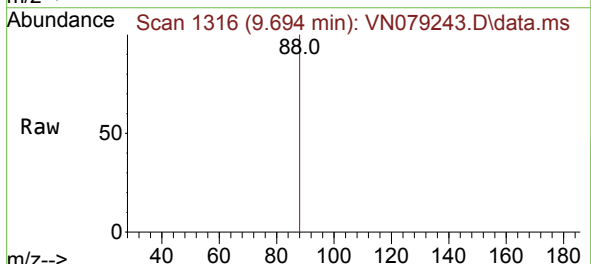
Instrument :
MSVOA_N
ClientSampleId :

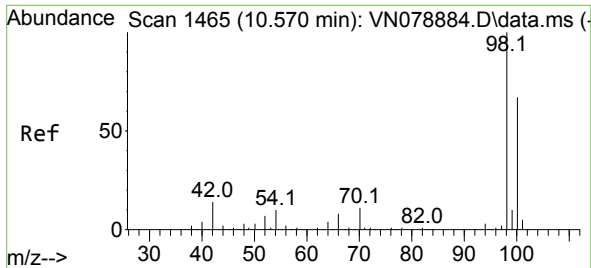
Tgt Ion:130 Resp: 13786
Ion Ratio Lower Upper
130 100
95 96.2 0.0 204.6



#49
1,4-Dioxane
Concen: 19.846 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. -0.006 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

Tgt Ion: 88 Resp: 398
Ion Ratio Lower Upper
88 100
43 0.0 17.0 25.6#
58 0.0 47.0 70.4#

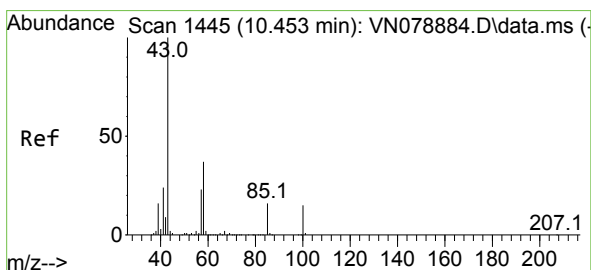
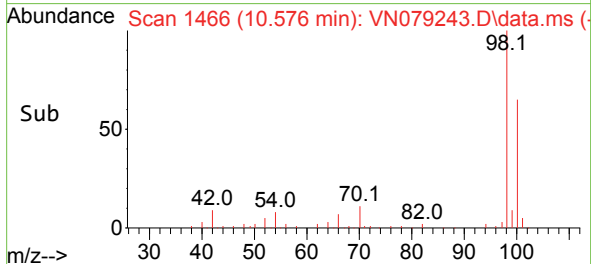
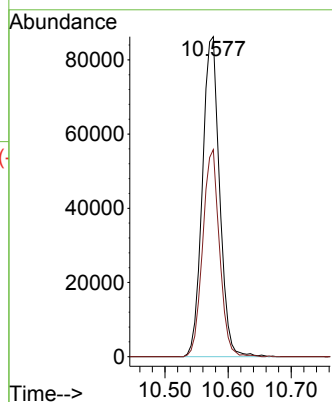
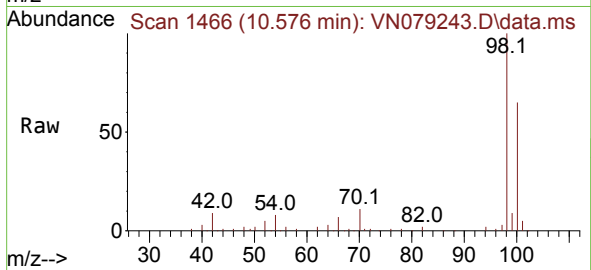




#50
Toluene-d8
Concen: 51.096 ug/l
RT: 10.576 min Scan# 1465
Delta R.T. 0.005 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

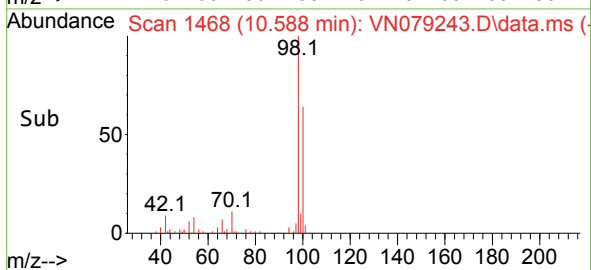
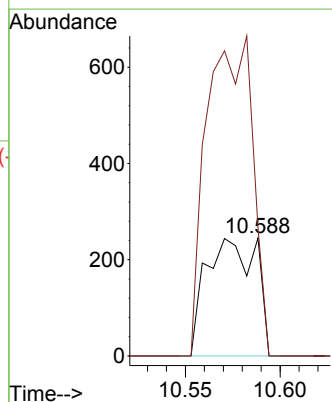
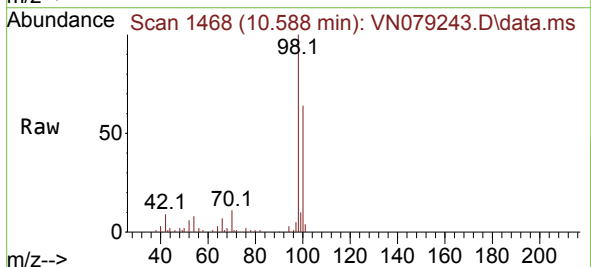
Instrument :
MSVOA_N
ClientSampleId :

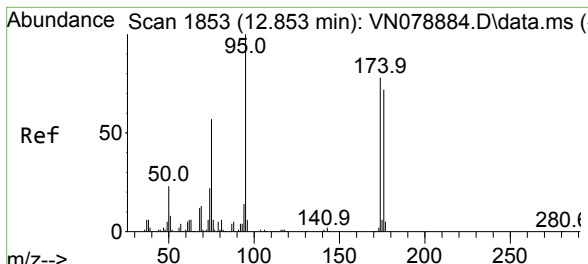
Tgt Ion: 98 Resp: 162805
Ion Ratio Lower Upper
98 100
100 63.3 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 0.351 ug/l
RT: 10.588 min Scan# 1468
Delta R.T. 0.135 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

Tgt Ion: 43 Resp: 444
Ion Ratio Lower Upper
43 100
58 251.1 36.6 54.8#

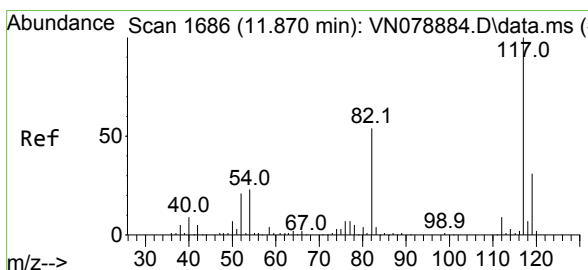
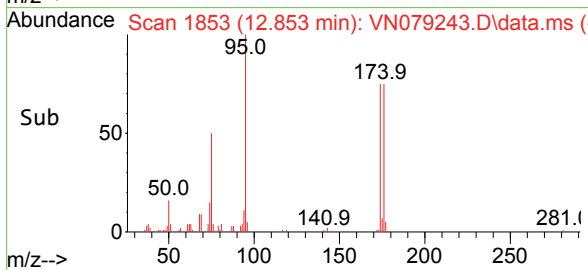
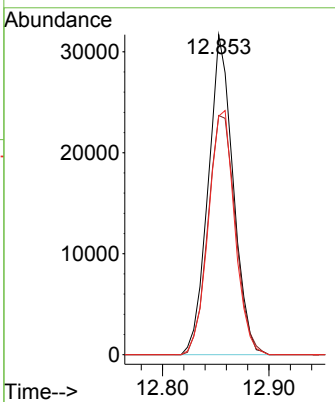
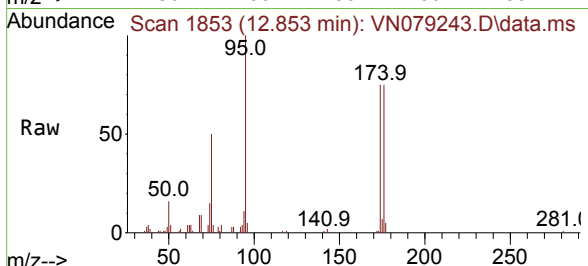




#62
 4-Bromofluorobenzene
 Concen: 50.735 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. -0.000 min
 Lab File: VN079243.D
 Acq: 12 Sep 2023 18:24

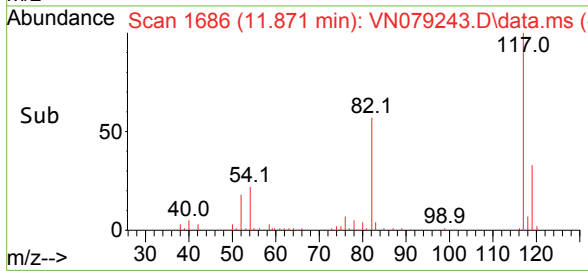
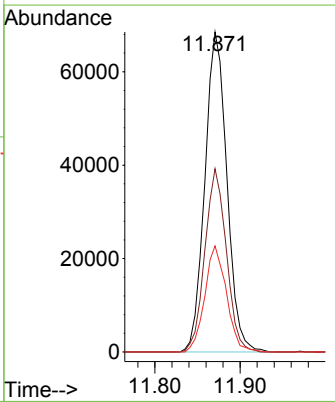
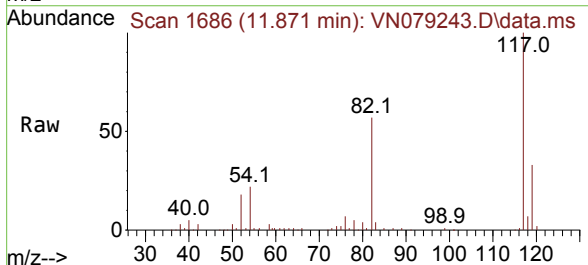
Instrument :
 MSVOA_N
 ClientSampleId :

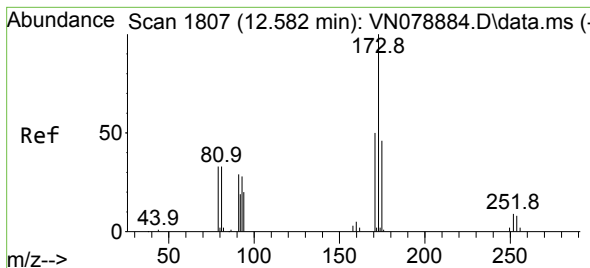
Tgt Ion:	95	Resp:	51565
Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	143.8
176	80.1	0.0	135.8



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.871 min Scan# 1686
 Delta R.T. -0.000 min
 Lab File: VN079243.D
 Acq: 12 Sep 2023 18:24

Tgt Ion:	117	Resp:	123118
Ion	Ratio	Lower	Upper
117	100		
82	57.2	44.0	66.0
119	33.1	25.6	38.4





#71

Bromoform

Concen: 0.205 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.271 min

Lab File: VN079243.D

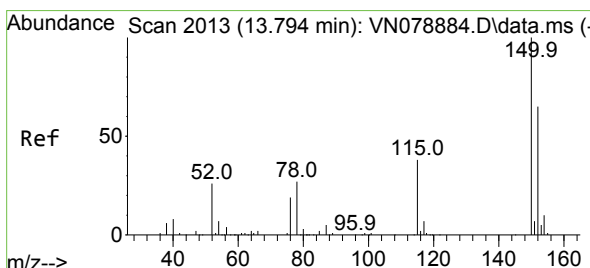
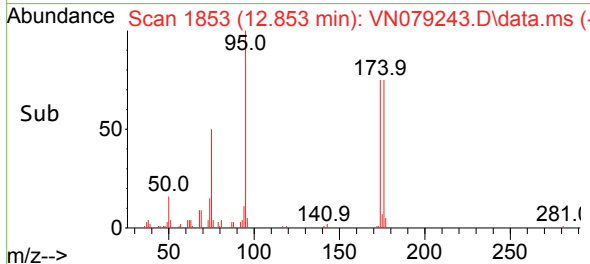
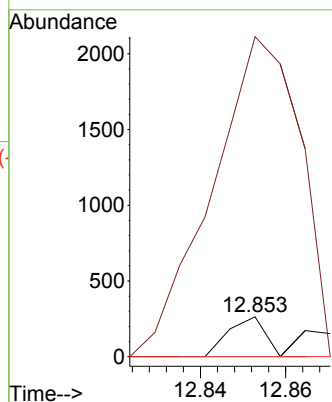
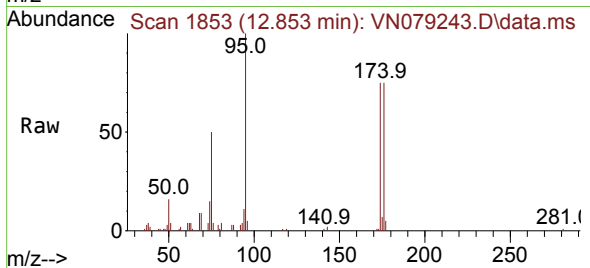
Acq: 12 Sep 2023 18:24

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:173	Resp:	158
Ion Ratio	Lower	Upper
173	100	
175	1618.4	24.3 73.0#
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

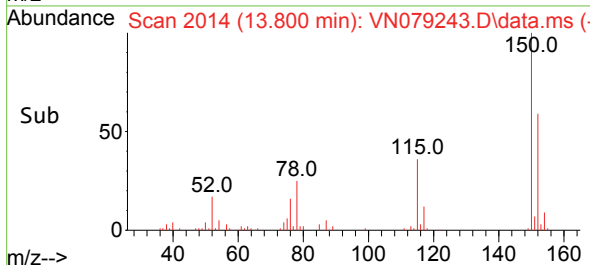
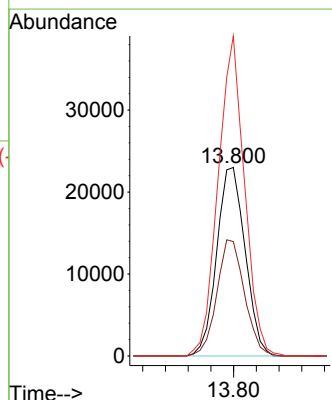
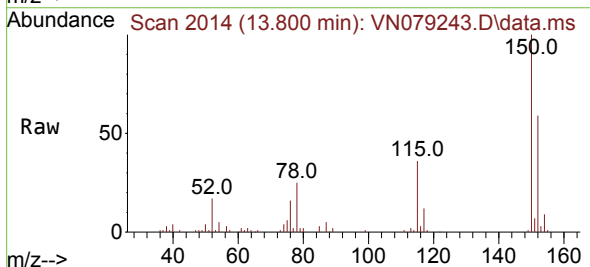
RT: 13.800 min Scan# 2014

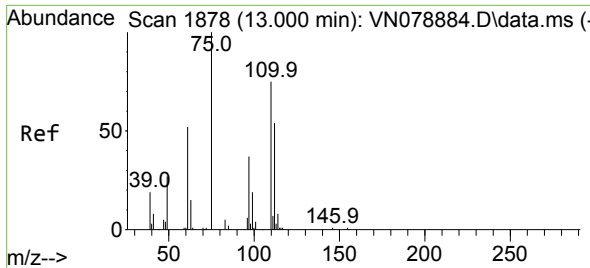
Delta R.T. 0.006 min

Lab File: VN079243.D

Acq: 12 Sep 2023 18:24

Tgt Ion:152	Resp:	39952
Ion Ratio	Lower	Upper
152	100	
115	59.9	32.3 96.8
150	157.5	0.0 355.8

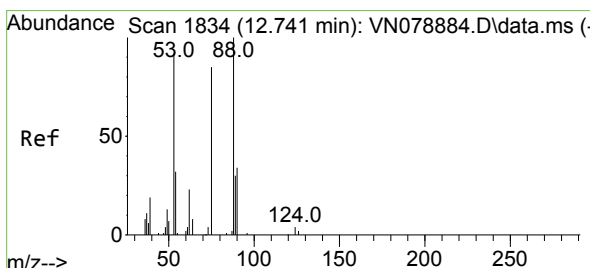
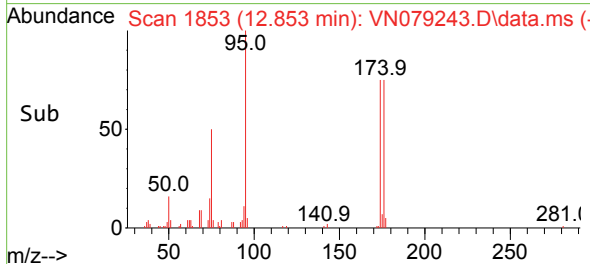
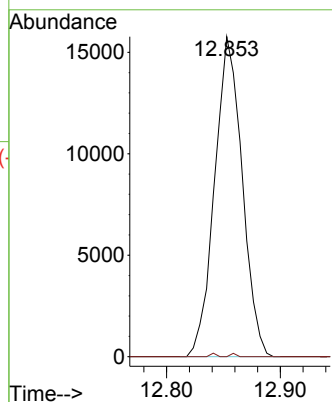
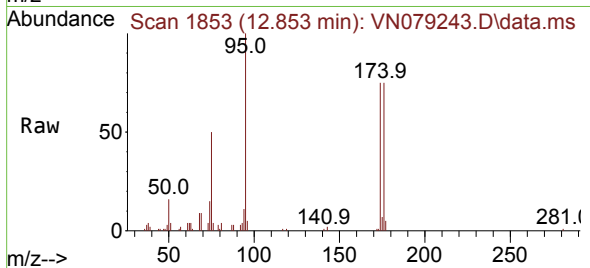




#76
1,2,3-Trichloropropane
Concen: 24.697 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.147 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 75 Resp: 26593
Ion Ratio Lower Upper
75 100
77 0.2 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.898 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.112 min
Lab File: VN079243.D
Acq: 12 Sep 2023 18:24

Tgt Ion: 75 Resp: 26593
Ion Ratio Lower Upper
75 100
53 0.0 67.4 101.2#
89 0.0 38.8 58.2#

