

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120823\
 Data File : VN080412.D
 Acq On : 08 Dec 2023 17:33
 Operator : JC\MD
 Sample : 05729-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 08 22:43:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N111623W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 17 01:19:32 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

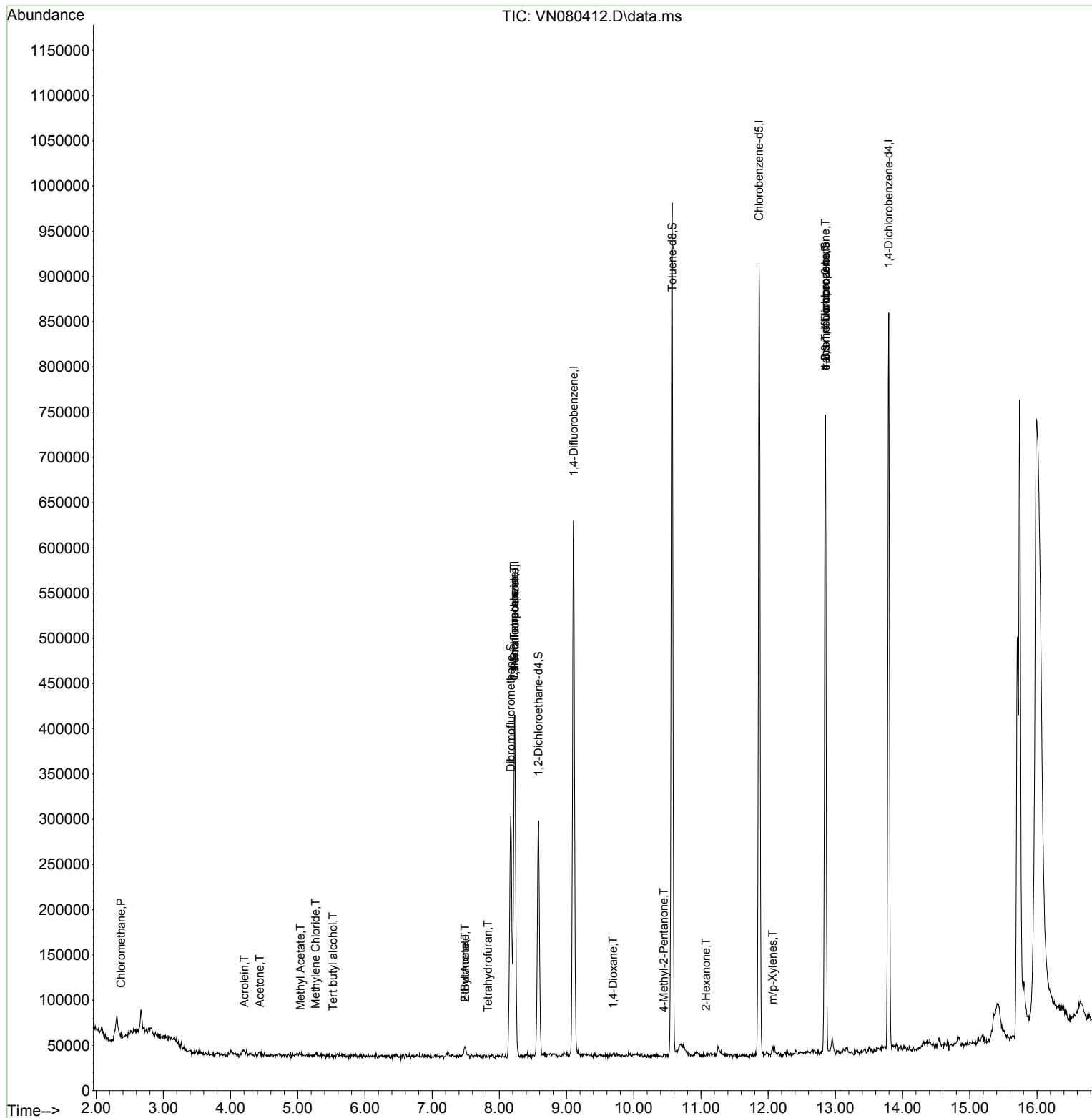
Internal Standards						
1) Pentafluorobenzene	8.230	168	265519	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	504728	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	515050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	220896	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	218222	49.775	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.560%
35) Dibromofluoromethane	8.171	113	191343	51.378	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.760%
50) Toluene-d8	10.571	98	660738	49.217	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.440%
62) 4-Bromofluorobenzene	12.853	95	265524	52.362	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	104.720%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	6211	2.089	ug/l	92
6) Chloroethane	3.283	64	392	Below Cal	#	43
11) Tert butyl alcohol	5.524	59	123	0.255	ug/l #	1
13) Acrolein	4.206	56	9426	22.092	ug/l	86
16) Acetone	4.436	43	4692	3.186	ug/l #	87
18) Methyl Acetate	5.041	43	3759	0.795	ug/l #	62
20) Methylene Chloride	5.265	84	2125	0.689	ug/l #	74
25) 2-Butanone	7.488	43	14380	8.219	ug/l	92
29) Tetrahydrofuran	7.830	42	329	0.350	ug/l #	41
36) 1,1-Dichloropropene	8.224	75	22172	4.112	ug/l #	49
37) Ethyl Acetate	7.488	43	14380	3.845	ug/l #	64
38) Carbon Tetrachloride	8.224	117	30146	4.406	ug/l #	17
49) 1,4-Dioxane	9.694	88	1413	22.645	ug/l #	77
51) 4-Methyl-2-Pentanone	10.447	43	768	0.204	ug/l #	21
59) 2-Hexanone	11.076	43	751	0.248	ug/l	70
68) m/p-Xylenes	12.070	106	1840	0.243	ug/l #	1
76) 1,2,3-Trichloropropane	12.853	75	137229	25.355	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	137229	85.664	ug/l #	15

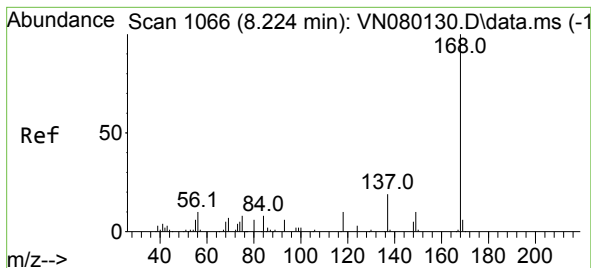
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Nov 17 01:19:32 2023
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.230 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN080412.D

Acq: 08 Dec 2023 17:33

Instrument :

MSVOA_N

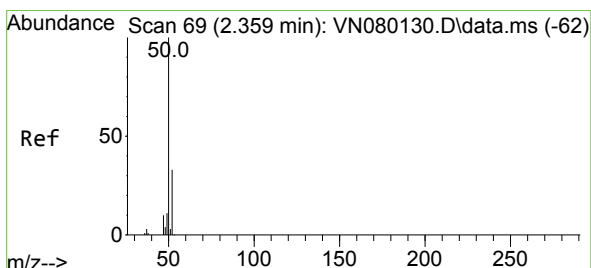
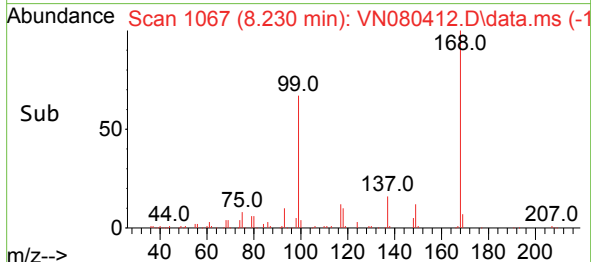
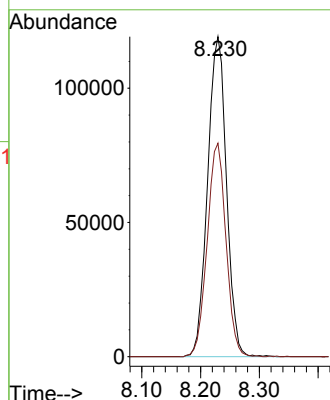
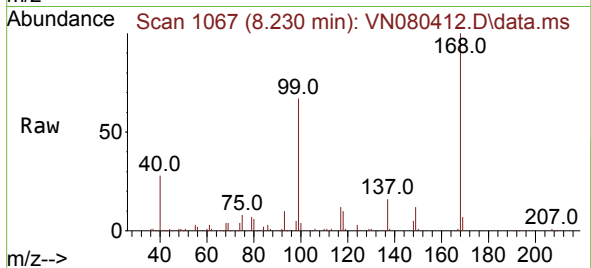
ClientSampleId :

Tgt Ion:168 Resp: 265519

Ion Ratio Lower Upper

168 100

99 66.7 53.0 79.6



#3

Chloromethane

Concen: 2.089 ug/l

RT: 2.371 min Scan# 71

Delta R.T. 0.012 min

Lab File: VN080412.D

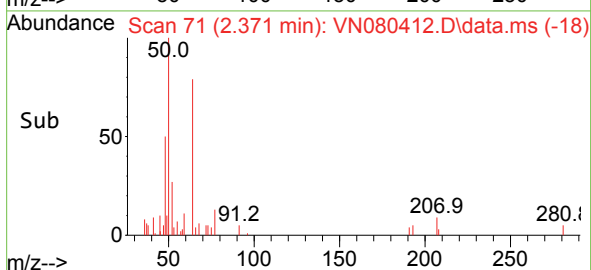
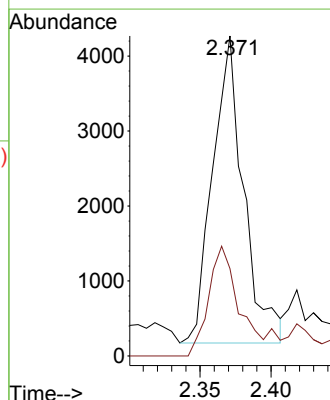
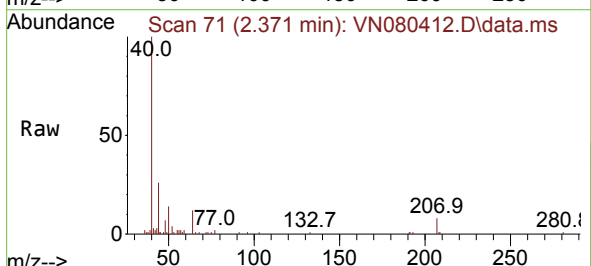
Acq: 08 Dec 2023 17:33

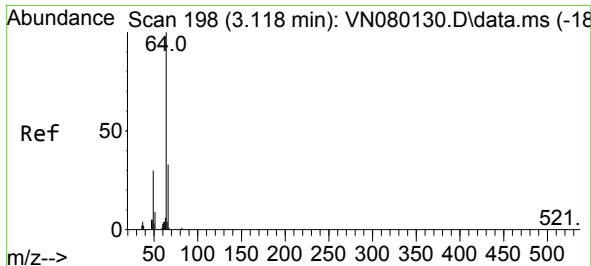
Tgt Ion: 50 Resp: 6211

Ion Ratio Lower Upper

50 100

52 28.5 26.5 39.7

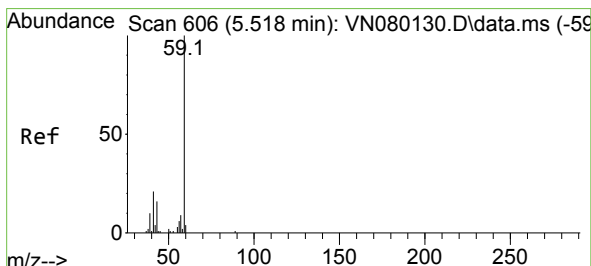
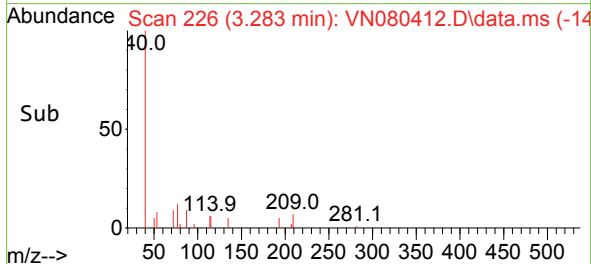
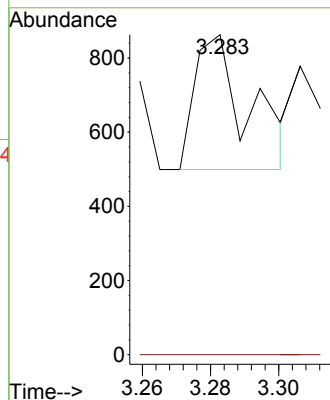
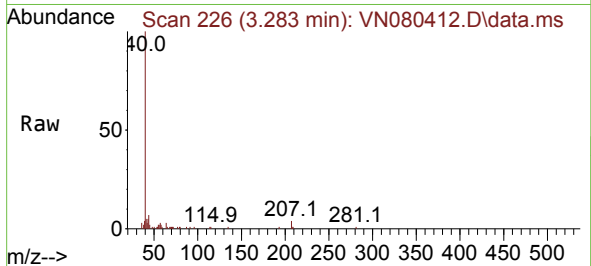




#6
Chloroethane
Concen: Below Cal
RT: 3.283 min Scan# 21
Delta R.T. 0.165 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

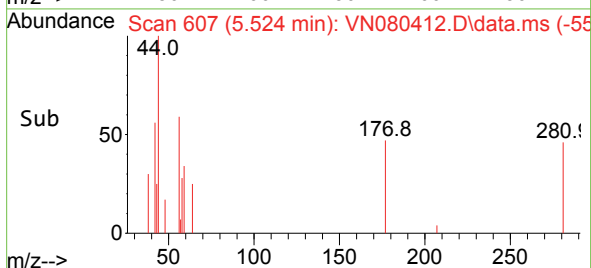
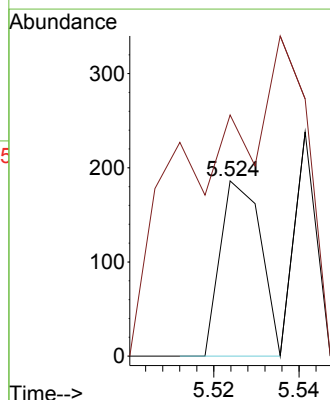
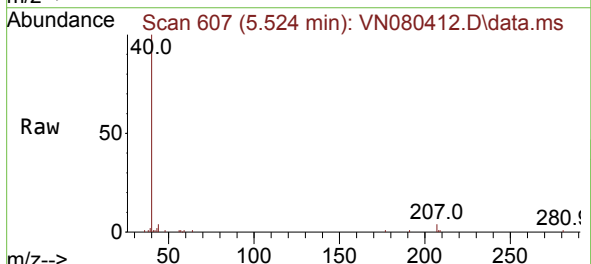
Instrument :
MSVOA_N
ClientSampleId :

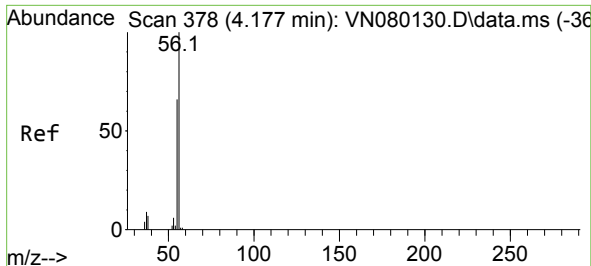
Tgt Ion: 64 Resp: 392
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.2#



#11
Tert butyl alcohol
Concen: 0.255 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

Tgt Ion: 59 Resp: 123
Ion Ratio Lower Upper
59 100
57 472.4 8.2 12.4#





#13

Acrolein

Concen: 22.092 ug/l

RT: 4.206 min Scan# 383

Delta R.T. 0.029 min

Lab File: VN080412.D

Acq: 08 Dec 2023 17:33

Instrument :

MSVOA_N

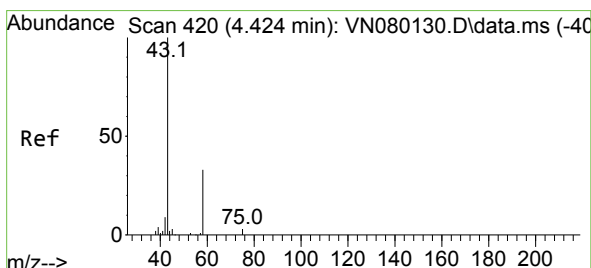
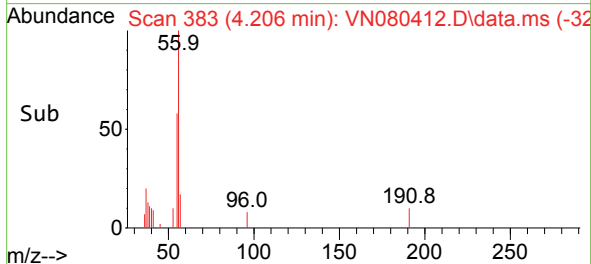
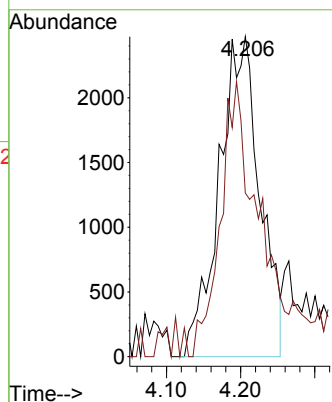
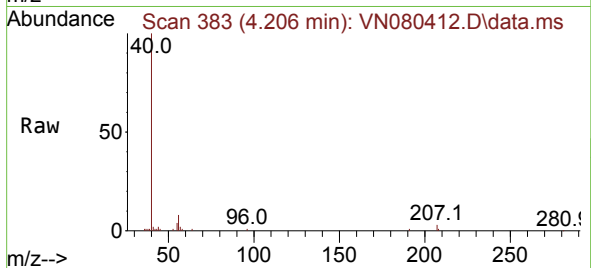
ClientSampleId :

Tgt Ion: 56 Resp: 9426

Ion Ratio Lower Upper

56 100

55 79.1 54.5 81.7



#16

Acetone

Concen: 3.186 ug/l

RT: 4.436 min Scan# 422

Delta R.T. 0.012 min

Lab File: VN080412.D

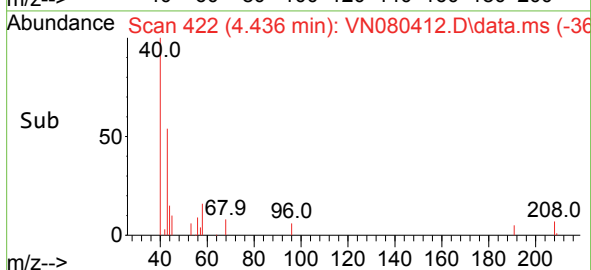
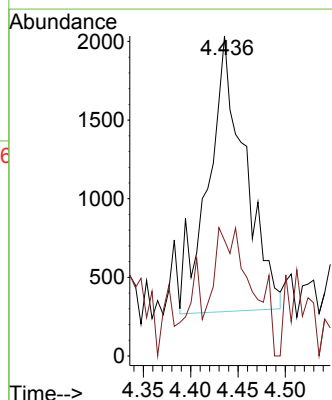
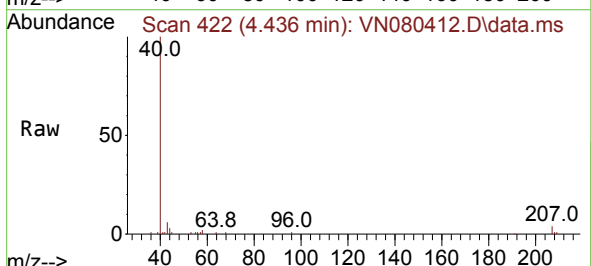
Acq: 08 Dec 2023 17:33

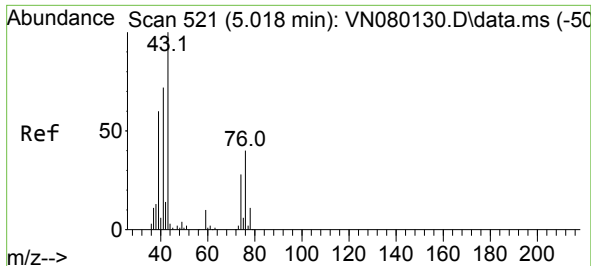
Tgt Ion: 43 Resp: 4692

Ion Ratio Lower Upper

43 100

58 42.4 28.0 42.0#

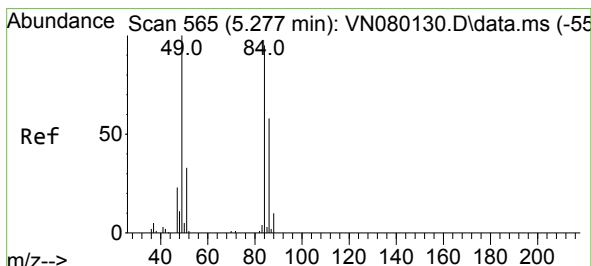
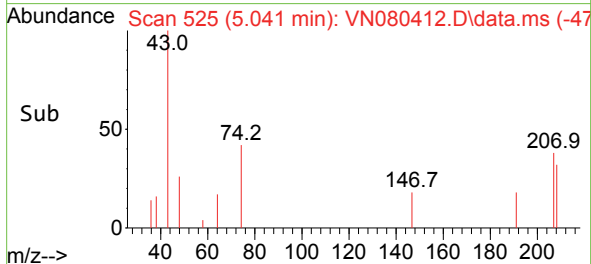
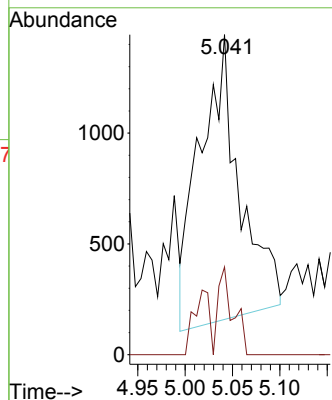
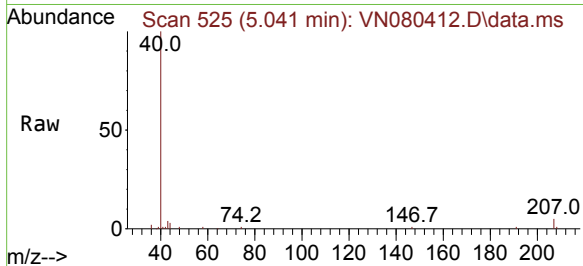




#18
Methyl Acetate
Concen: 0.795 ug/l
RT: 5.041 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

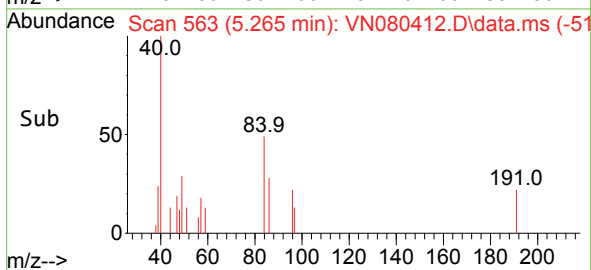
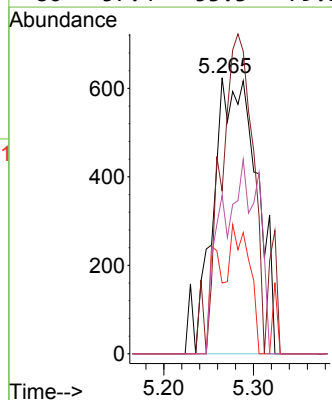
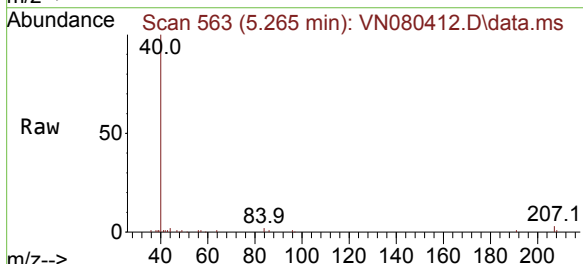
Instrument :
MSVOA_N
ClientSampleId :

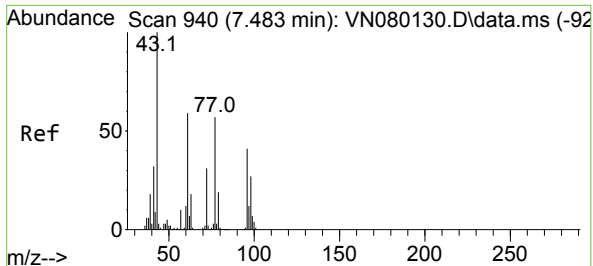
Tgt Ion: 43 Resp: 3759
Ion Ratio Lower Upper
43 100
74 11.6 26.2 39.4#



#20
Methylene Chloride
Concen: 0.689 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

Tgt Ion: 84 Resp: 2125
Ion Ratio Lower Upper
84 100
49 59.0 79.7 119.5#
51 25.6 25.2 37.8
86 57.4 53.3 79.9





#25

2-Butanone

Concen: 8.219 ug/l

RT: 7.488 min Scan# 941

Delta R.T. 0.006 min

Lab File: VN080412.D

Acq: 08 Dec 2023 17:33

Instrument :

MSVOA_N

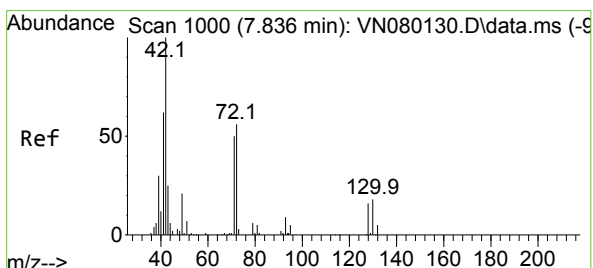
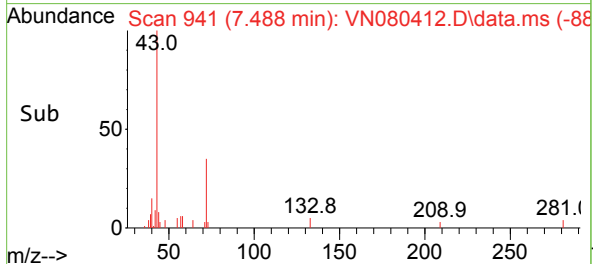
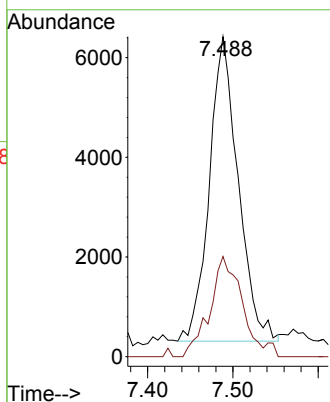
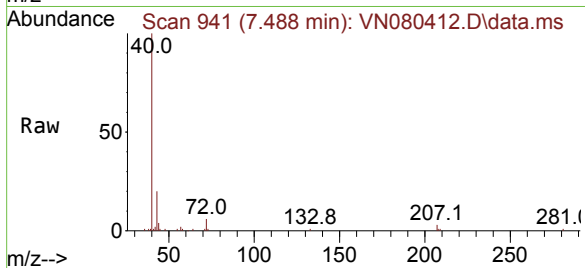
ClientSampleId :

Tgt Ion: 43 Resp: 14380

Ion Ratio Lower Upper

43 100

72 32.9 30.2 45.2



#29

Tetrahydrofuran

Concen: 0.350 ug/l

RT: 7.830 min Scan# 999

Delta R.T. -0.006 min

Lab File: VN080412.D

Acq: 08 Dec 2023 17:33

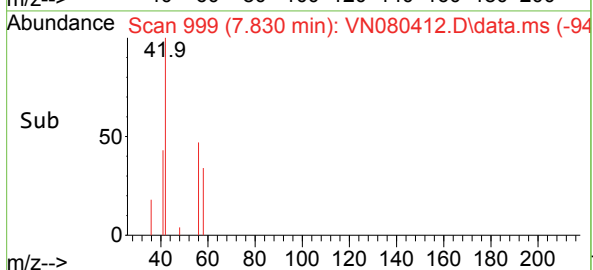
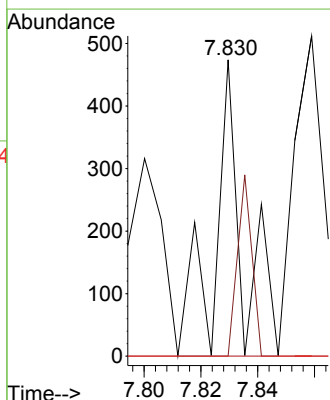
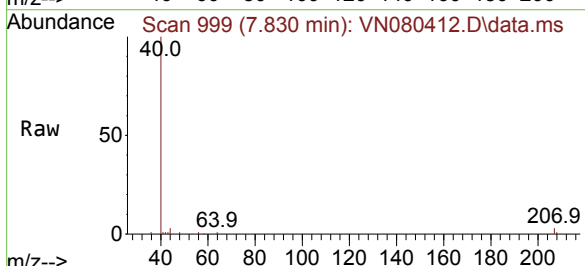
Tgt Ion: 42 Resp: 329

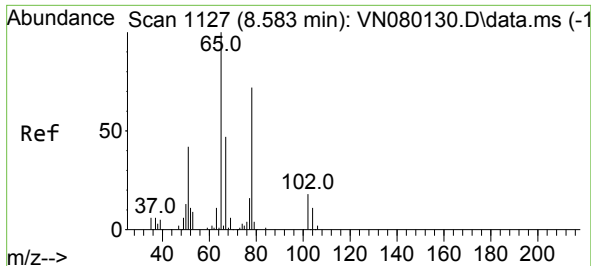
Ion Ratio Lower Upper

42 100

72 31.0 49.8 74.6#

71 0.0 47.4 71.2#





#33

1,2-Dichloroethane-d4

Concen: 49.775 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VN080412.D

Acq: 08 Dec 2023 17:33

Instrument :

MSVOA_N

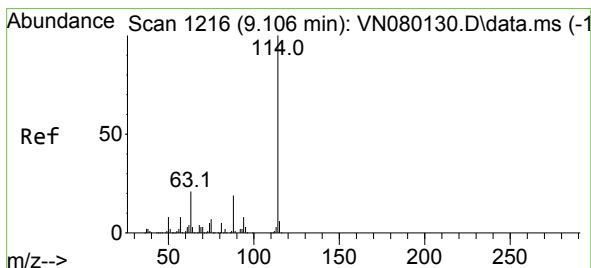
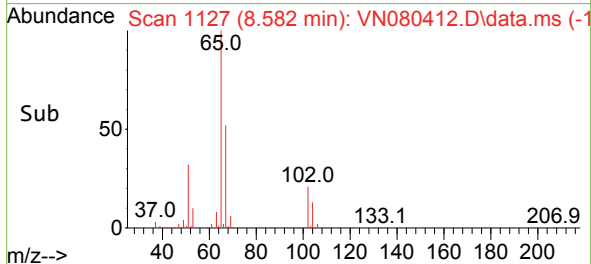
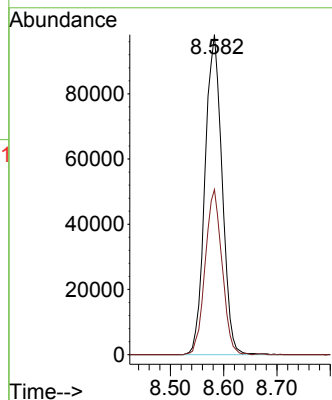
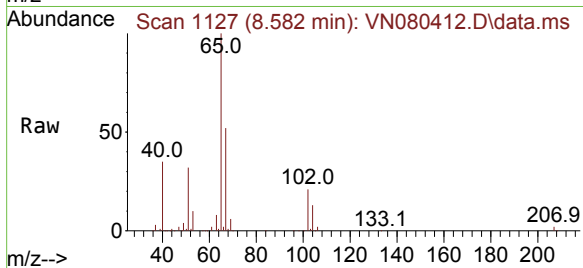
ClientSampleId :

Tgt Ion: 65 Resp: 218222

Ion Ratio Lower Upper

65 100

67 51.0 0.0 106.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN080412.D

Acq: 08 Dec 2023 17:33

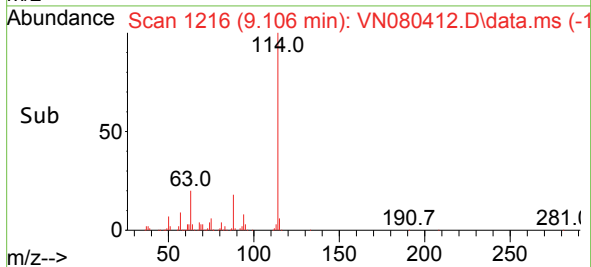
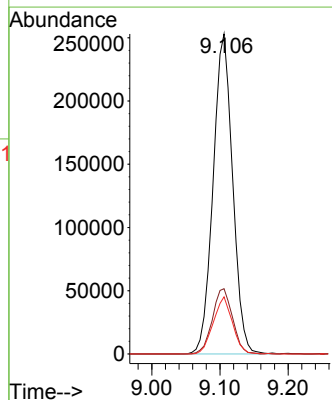
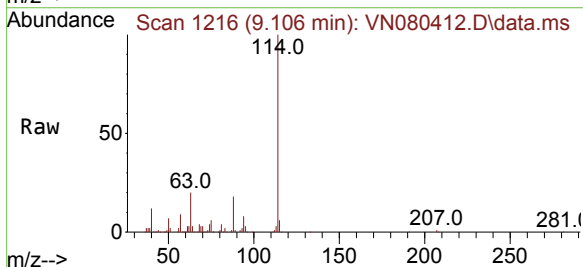
Tgt Ion: 114 Resp: 504728

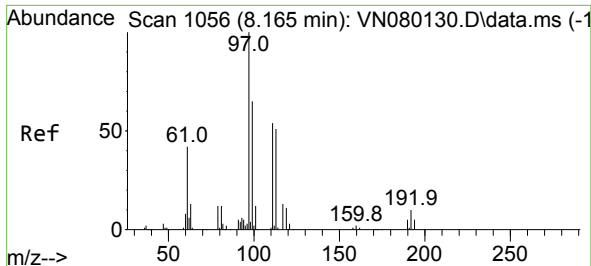
Ion Ratio Lower Upper

114 100

63 20.4 0.0 36.4

88 17.8 0.0 30.6

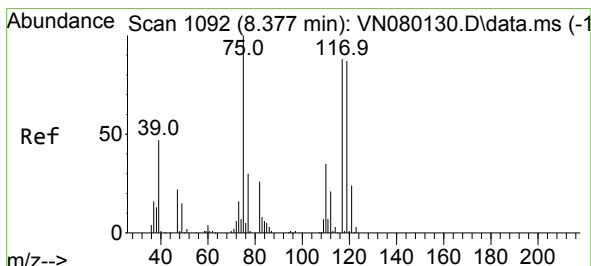
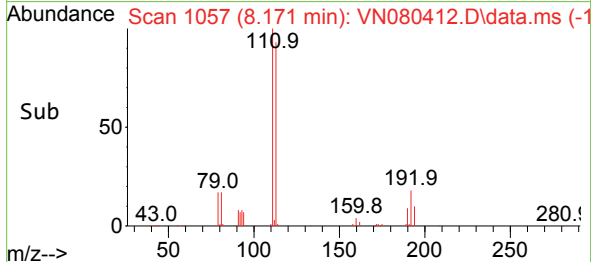
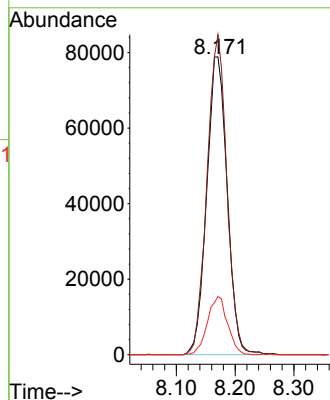
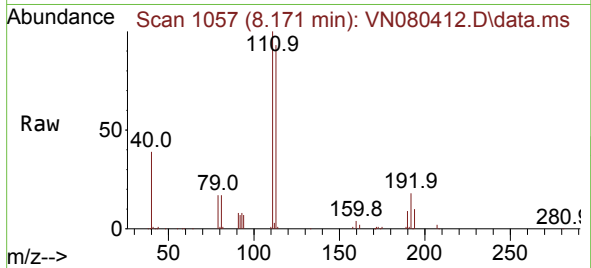




#35
Dibromofluoromethane
Concen: 51.378 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

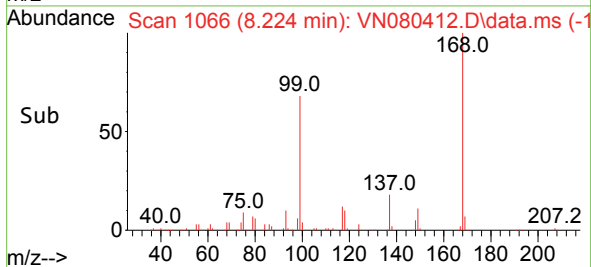
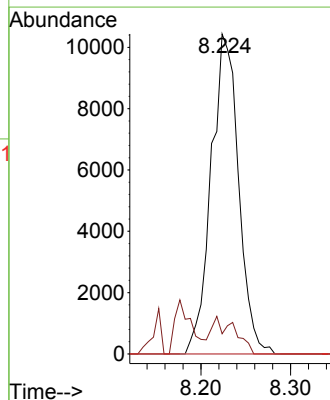
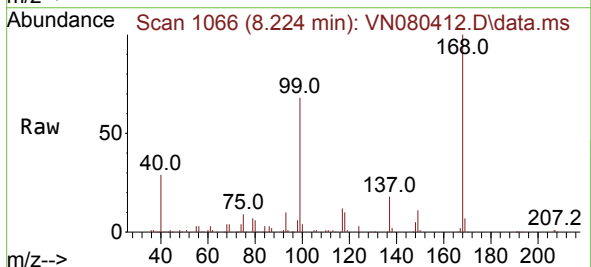
Instrument :
MSVOA_N
ClientSampleId :

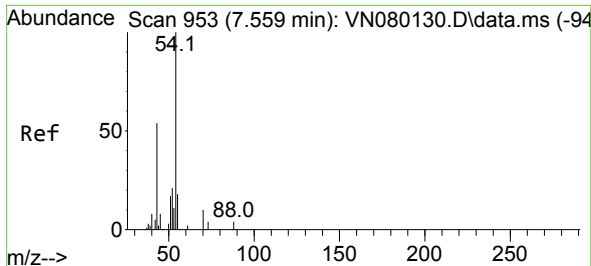
Tgt Ion:113 Resp: 191343
Ion Ratio Lower Upper
113 100
111 104.0 82.6 123.8
192 19.1 12.7 19.1#



#36
1,1-Dichloropropene
Concen: 4.112 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.153 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

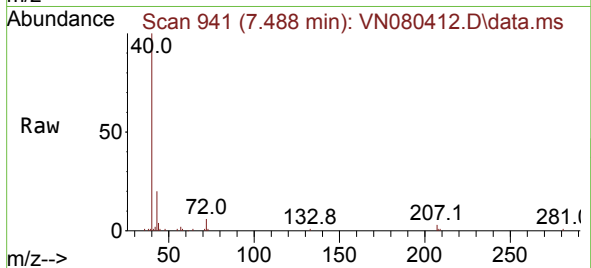
Tgt Ion: 75 Resp: 22172
Ion Ratio Lower Upper
75 100
110 9.7 19.1 57.3#
77 0.0 25.0 37.4#



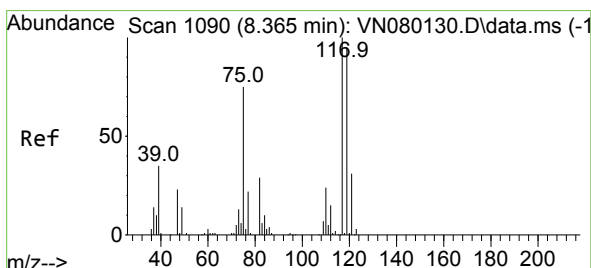
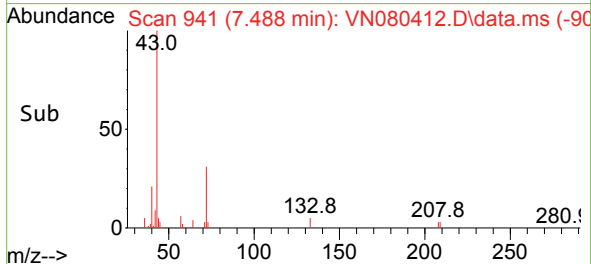
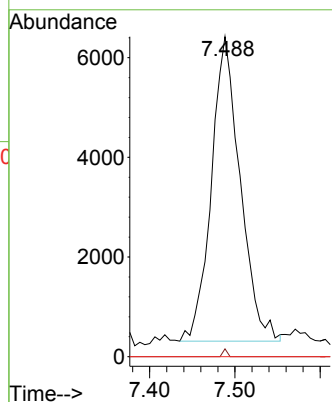


#37
Ethyl Acetate
Concen: 3.845 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

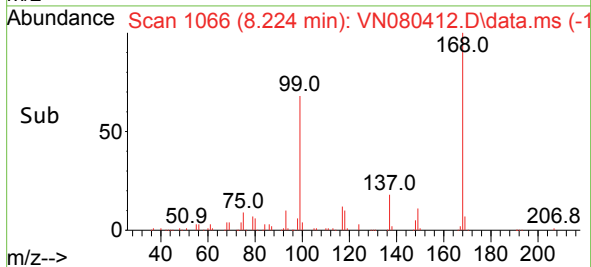
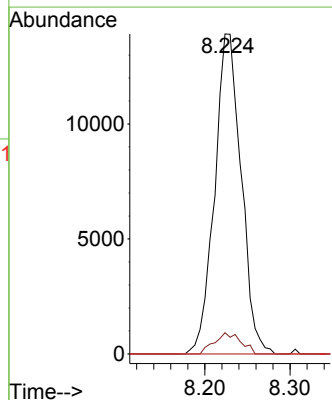
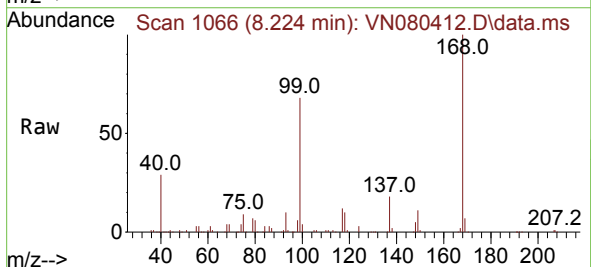


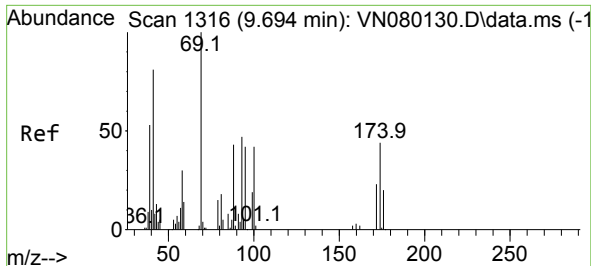
Tgt Ion: 43 Resp: 14380
Ion Ratio Lower Upper
43 100
61 0.4 13.2 19.8#
70 0.0 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.406 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.141 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

Tgt Ion: 117 Resp: 30146
Ion Ratio Lower Upper
117 100
119 6.6 77.3 115.9#
121 0.0 23.3 34.9#





#49

1,4-Dioxane

Concen: 22.645 ug/l

RT: 9.694 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080412.D

Acq: 08 Dec 2023 17:33

Instrument :

MSVOA_N

ClientSampleId :

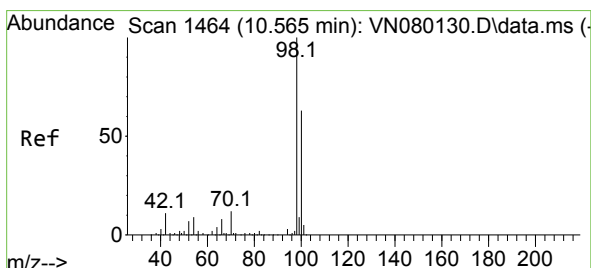
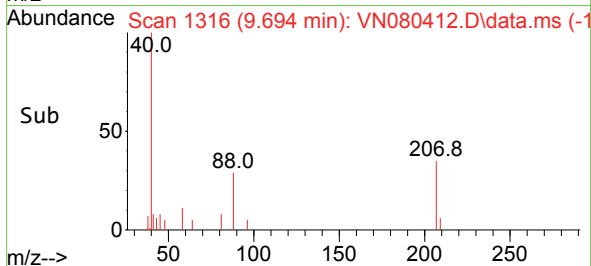
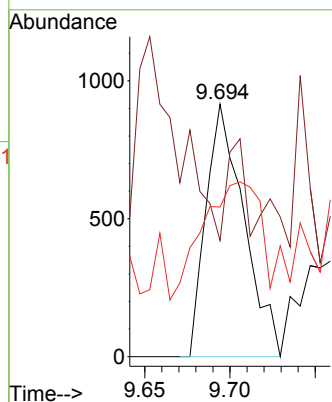
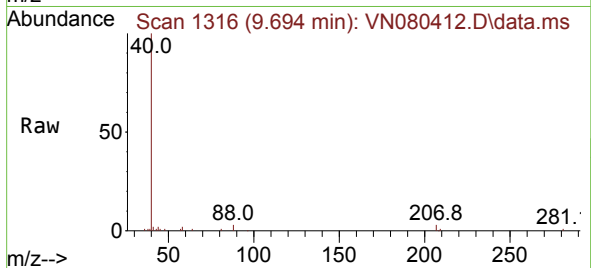
Tgt Ion: 88 Resp: 1413

Ion Ratio Lower Upper

88 100

43 27.2 17.0 25.6#

58 79.0 47.0 70.4#



#50

Toluene-d8

Concen: 49.217 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.006 min

Lab File: VN080412.D

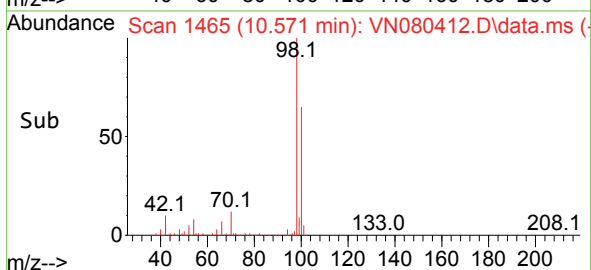
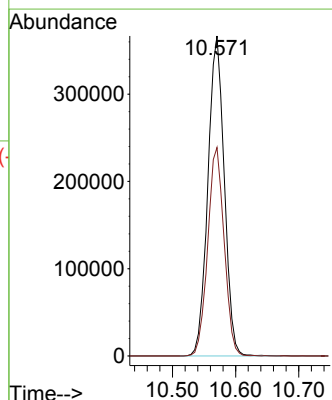
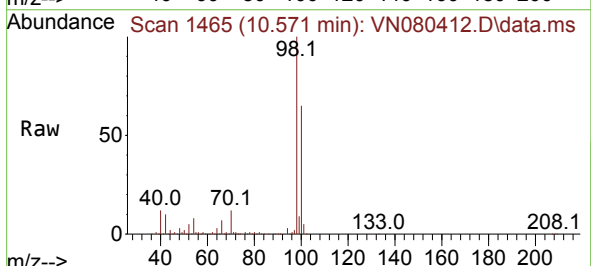
Acq: 08 Dec 2023 17:33

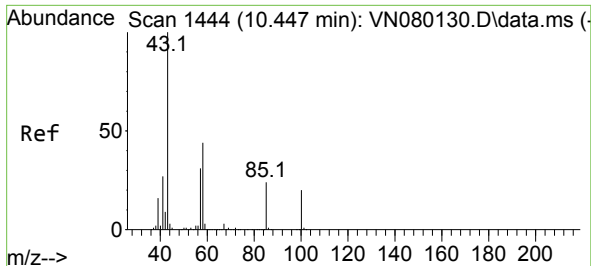
Tgt Ion: 98 Resp: 660738

Ion Ratio Lower Upper

98 100

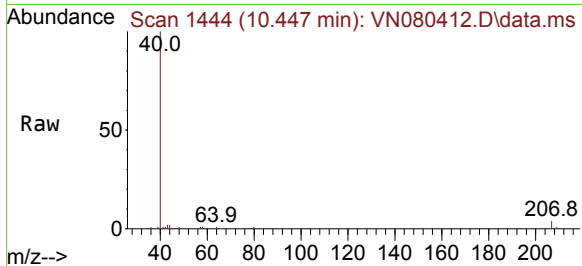
100 65.2 52.0 78.0



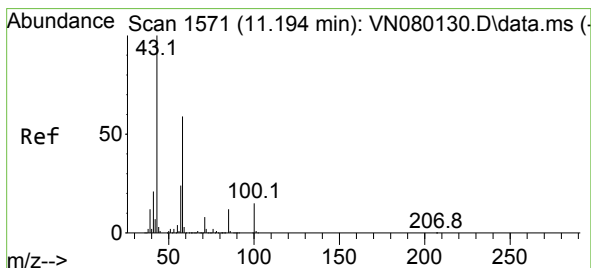
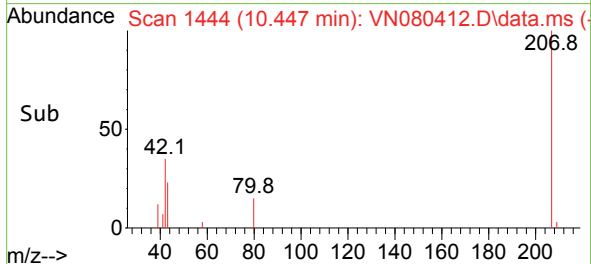


#51
4-Methyl-2-Pentanone
Concen: 0.204 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

Instrument :
MSVOA_N
ClientSampleId :

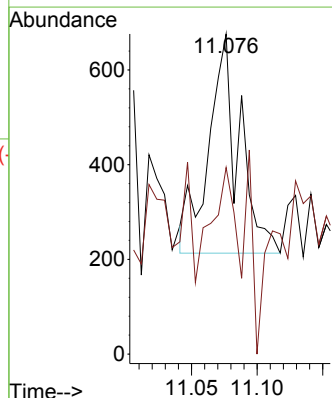
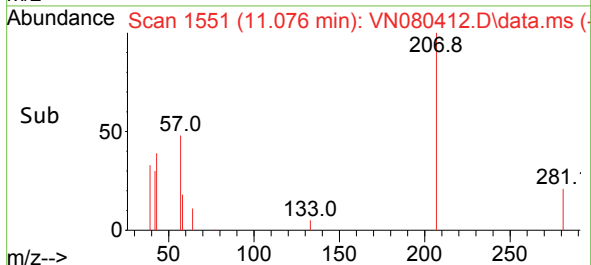
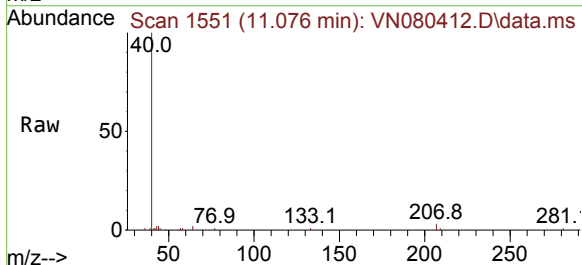


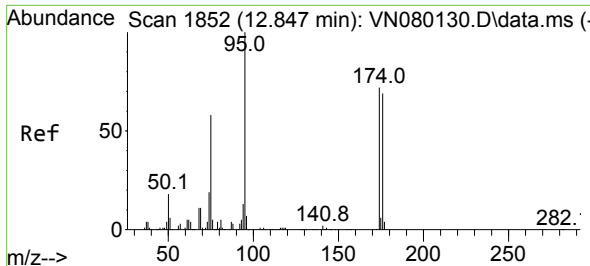
Tgt Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
58 97.9 36.6 54.8#



#59
2-Hexanone
Concen: 0.248 ug/l
RT: 11.076 min Scan# 1551
Delta R.T. -0.118 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

Tgt Ion: 43 Resp: 751
Ion Ratio Lower Upper
43 100
58 87.1 31.7 95.1

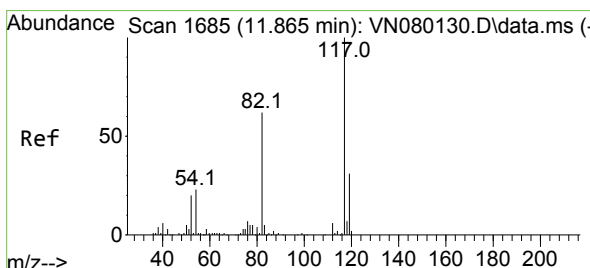
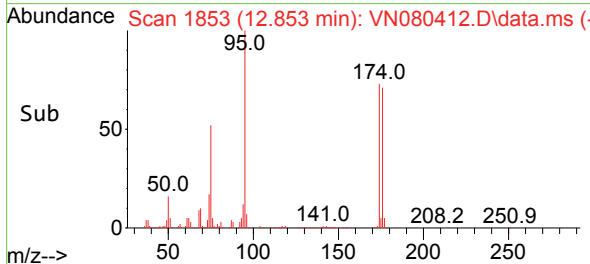
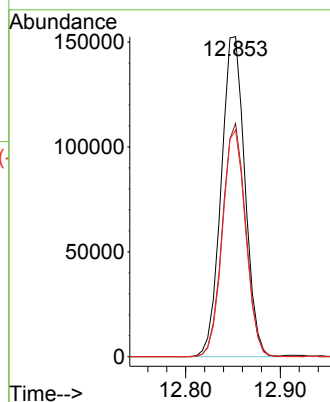
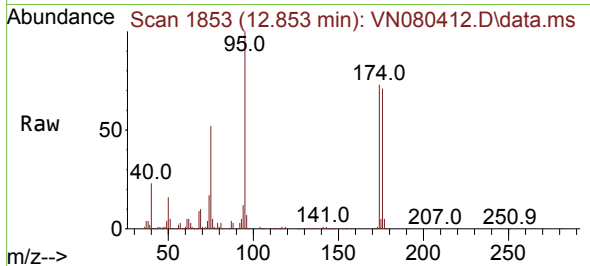




#62
4-Bromofluorobenzene
Concen: 52.362 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

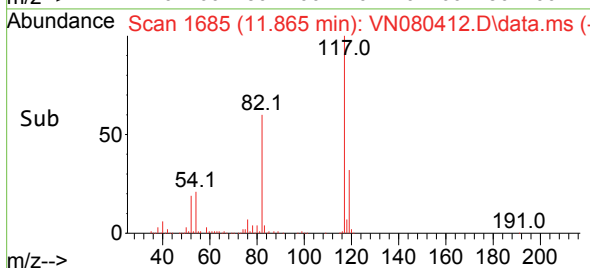
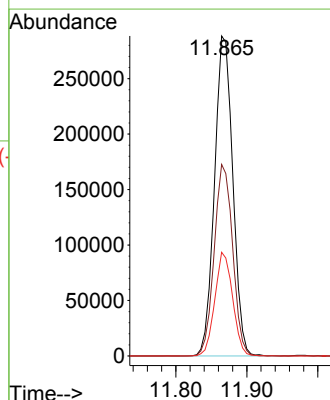
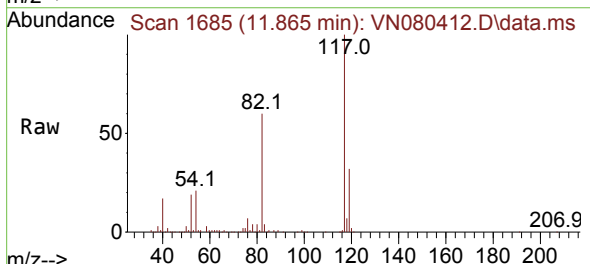
Instrument :
MSVOA_N
ClientSampleId :

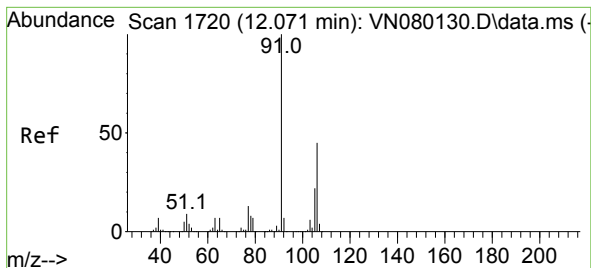
Tgt Ion: 95 Resp: 265524
Ion Ratio Lower Upper
95 100
174 71.4 0.0 143.8
176 69.4 0.0 135.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

Tgt Ion: 117 Resp: 515050
Ion Ratio Lower Upper
117 100
82 59.9 44.0 66.0
119 32.4 25.6 38.4

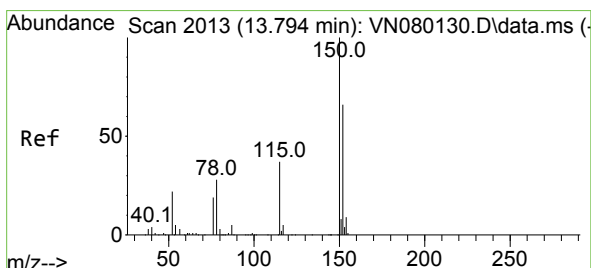
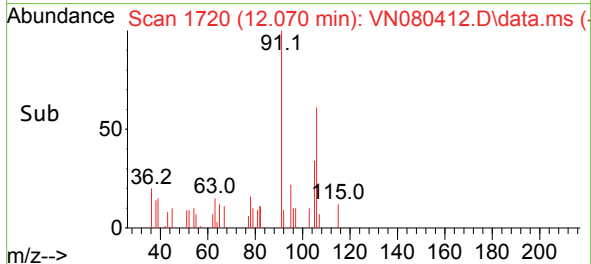
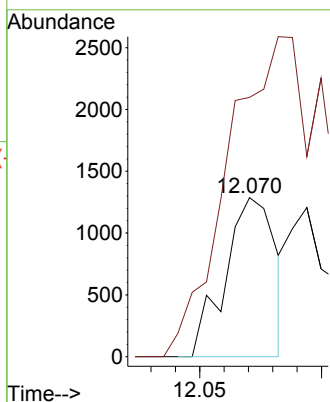
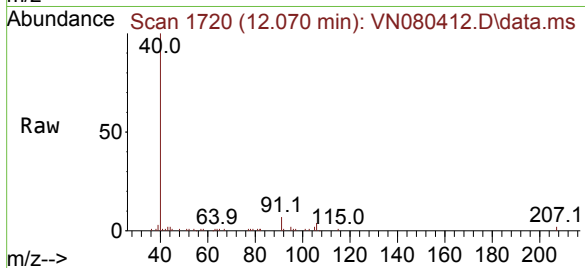




#68
m/p-Xylenes
Concen: 0.243 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

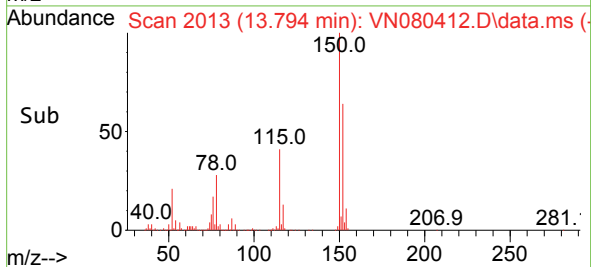
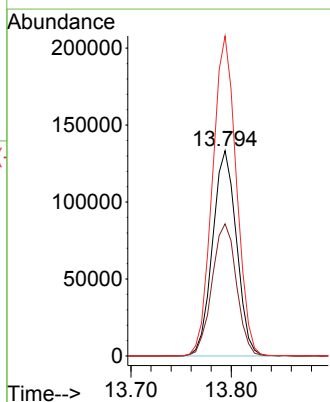
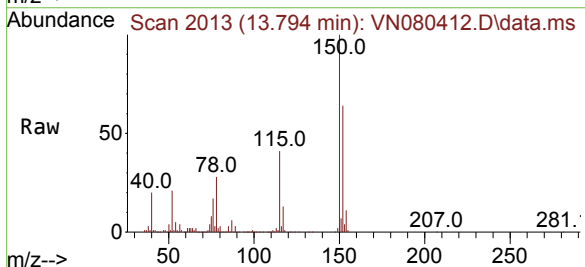
Instrument :
MSVOA_N
ClientSampleId :

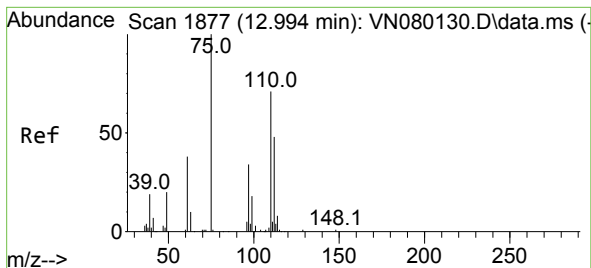
Tgt Ion:106 Resp: 1840
Ion Ratio Lower Upper
106 100
91 414.0 159.6 239.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN080412.D
Acq: 08 Dec 2023 17:33

Tgt Ion:152 Resp: 220896
Ion Ratio Lower Upper
152 100
115 66.0 32.3 96.8
150 156.1 0.0 355.8





#76

1,2,3-Trichloropropane

Concen: 25.355 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. -0.141 min

Lab File: VN080412.D

Acq: 08 Dec 2023 17:33

Instrument :

MSVOA_N

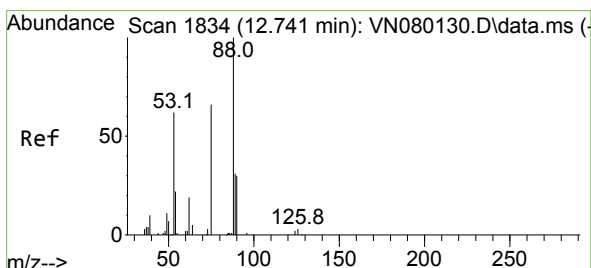
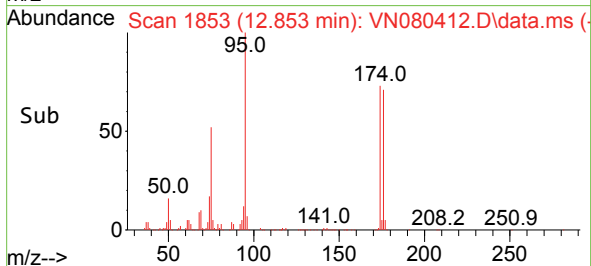
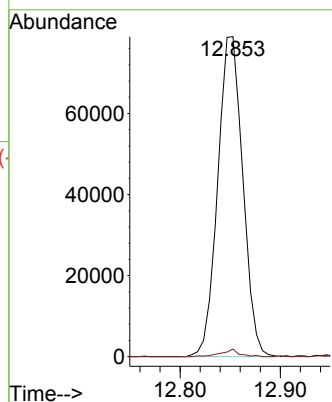
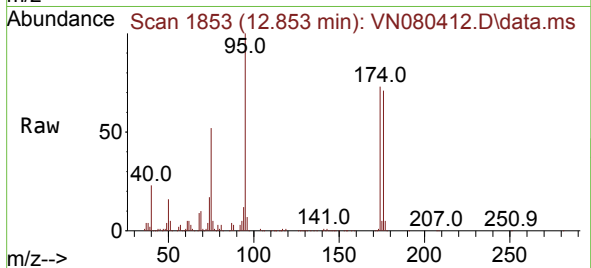
ClientSampleId :

Tgt Ion: 75 Resp: 137229

Ion Ratio Lower Upper

75 100

77 1.7 84.5 253.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 85.664 ug/l

RT: 12.853 min Scan# 1853

Delta R.T. 0.112 min

Lab File: VN080412.D

Acq: 08 Dec 2023 17:33

Tgt Ion: 75 Resp: 137229

Ion Ratio Lower Upper

75 100

53 0.2 67.4 101.2#

89 0.0 38.8 58.2#

