

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN031023\
 Data File : VN076947.D
 Acq On : 11 Mar 2023 00:28
 Operator : JC\MD
 Sample : 01854-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 33907

Quant Time: Mar 13 01:28:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031023W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 10 13:47:39 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.231	168	414882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.107	114	690737	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.872	117	608172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.795	152	272401	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.584	65	288027	46.522	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	93.040%
35) Dibromofluoromethane	8.172	113	213936	46.472	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.940%
50) Toluene-d8	10.572	98	813227	47.932	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.860%
62) 4-Bromofluorobenzene	12.854	95	317630	51.184	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.360%

Target Compounds						Qvalue
3) Chloromethane	2.378	50	824	0.204	ug/l #	88
5) Bromomethane	2.972	94	2847	1.031	ug/l #	59
10) Methyl Iodide	4.613	142	3323	0.638	ug/l #	93
11) Tert butyl alcohol	5.531	59	6461	7.502	ug/l #	83
13) Acrolein	4.196	56	539	0.696	ug/l #	14
16) Acetone	4.448	43	124913	58.225	ug/l	88
17) Carbon Disulfide	4.737	76	8139	0.641	ug/l #	86
18) Methyl Acetate	5.060	43	2962	0.374	ug/l #	57
19) Methyl tert-butyl Ether	5.807	73	101277	6.211	ug/l	96
20) Methylene Chloride	5.307	84	2050	0.372	ug/l #	78
22) Diisopropyl ether	6.678	45	21924	1.506	ug/l	95
23) Vinyl Acetate	6.684	43	12494	1.394	ug/l #	64
25) 2-Butanone	7.495	43	23166	7.592	ug/l #	87
29) Tetrahydrofuran	7.854	42	459	0.243	ug/l #	54
31) Cyclohexane	8.225	56	13646	1.536	ug/l #	46
36) 1,1-Dichloropropene	8.231	75	34270	4.813	ug/l #	49
37) Ethyl Acetate	7.495	43	23166	4.069	ug/l #	63
38) Carbon Tetrachloride	8.231	117	47559	5.707	ug/l #	16
39) Methylcyclohexane	9.607	83	4358	0.504	ug/l #	69
40) Benzene	8.613	78	438348	20.887	ug/l	95
42) 1,2-Dichloroethane	8.607	62	4834	0.591	ug/l	87
51) 4-Methyl-2-Pentanone	10.442	43	5203	0.862	ug/l	89
52) Toluene	10.636	92	1317896	102.032	ug/l	98
53) t-1,3-Dichloropropene	10.630	75	17876	2.344	ug/l #	1
55) 1,1,2-Trichloroethane	11.013	97	2041	0.406	ug/l #	26
59) 2-Hexanone	11.195	43	5785	1.314	ug/l	59
67) Ethyl Benzene	11.966	91	460834	18.423	ug/l	96
68) m/p-Xylenes	12.072	106	826646	87.923	ug/l	85
69) o-Xylene	12.401	106	642332	70.373	ug/l	83
70) Styrene	12.407	104	37019	2.510	ug/l #	1
73) Isopropylbenzene	12.701	105	115763	4.769	ug/l	92
74) N-amyl acetate	12.466	43	9935	1.236	ug/l #	40
76) 1,2,3-Trichloropropane	13.107	75	16443	2.490	ug/l #	1
78) n-propylbenzene	13.042	91	419360	15.515	ug/l	97
79) 2-Chlorotoluene	13.101	91	195754	11.168	ug/l #	39
80) 1,3,5-Trimethylbenzene	13.177	105	689696	33.357	ug/l	92

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

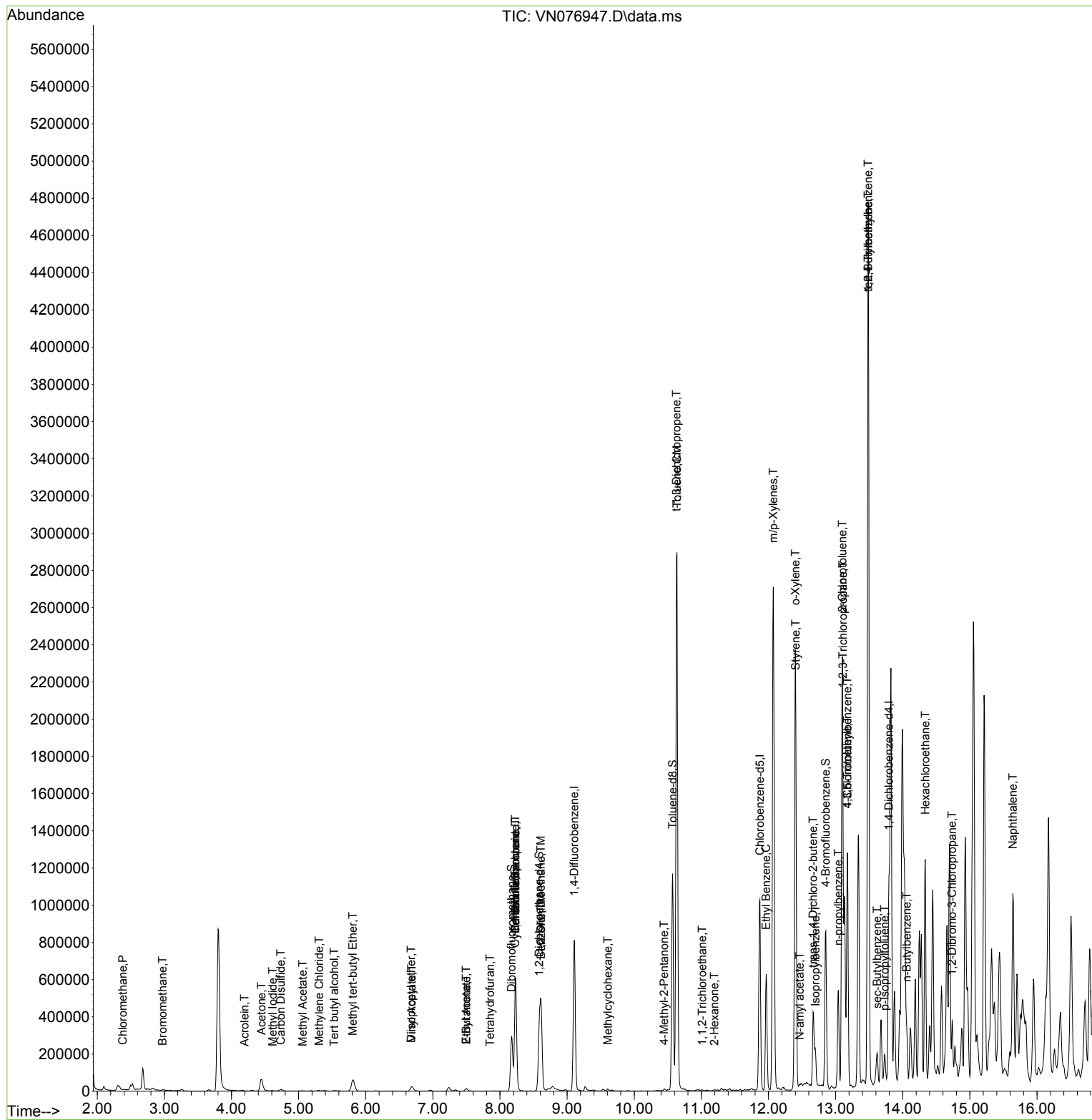
81) trans-1,4-Dichloro-2-b...	12.666	75	25319	12.523	ug/l #	32
82) 4-Chlorotoluene	13.177	91	78859	4.761	ug/l #	39
83) tert-Butylbenzene	13.483	119	327863	18.665	ug/l #	52
84) 1,2,4-Trimethylbenzene	13.483	105	2840586	137.317	ug/l	93
85) sec-Butylbenzene	13.618	105	112252	4.662	ug/l	89
86) p-Isopropyltoluene	13.730	119	79830	4.106	ug/l	94
89) n-Butylbenzene	14.060	91	139544	8.600	ug/l #	75
90) Hexachloroethane	14.336	117	62487	16.725	ug/l #	18
92) 1,2-Dibromo-3-Chloropr...	14.736	75	1002	0.635	ug/l #	4
95) Naphthalene	15.642	128	918198	55.847	ug/l	99

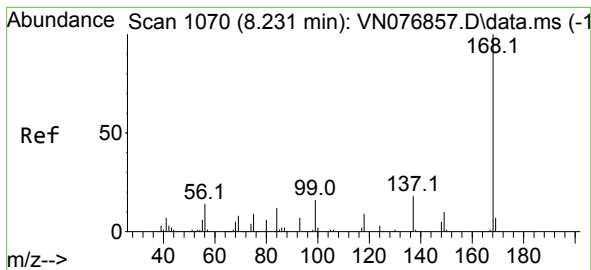
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.231 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

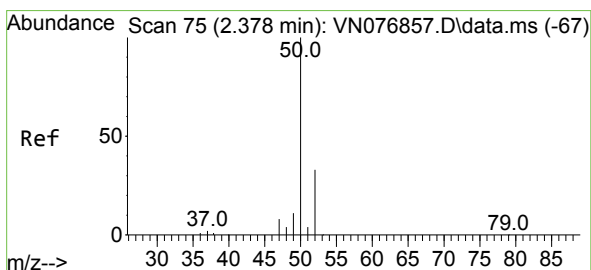
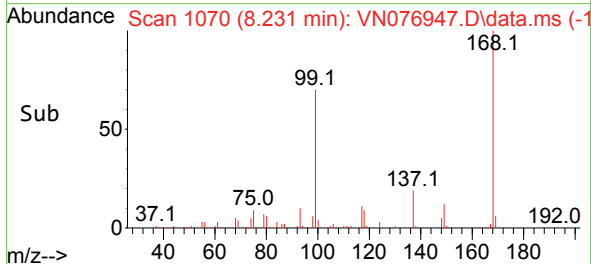
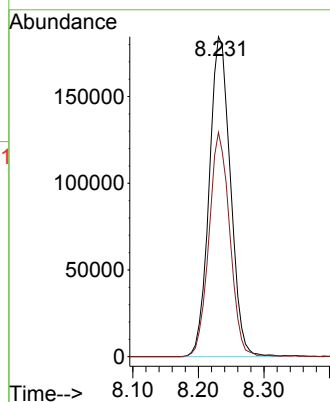
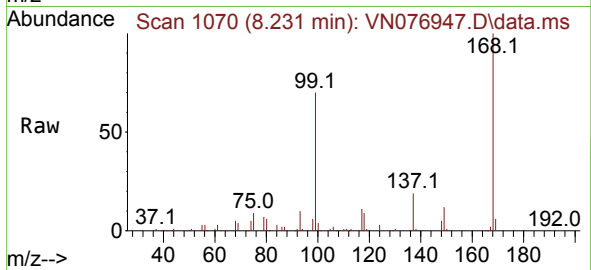
33907

Tgt Ion:168 Resp: 414882

Ion Ratio Lower Upper

168 100

99 70.1 48.6 73.0



#3

Chloromethane

Concen: 0.204 ug/l

RT: 2.378 min Scan# 75

Delta R.T. -0.000 min

Lab File: VN076947.D

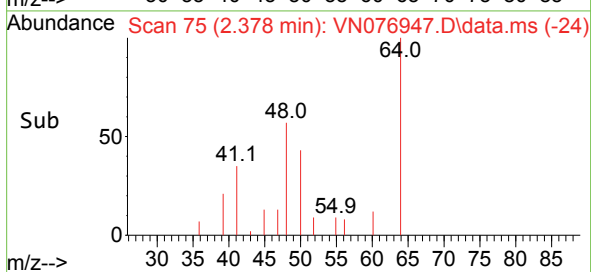
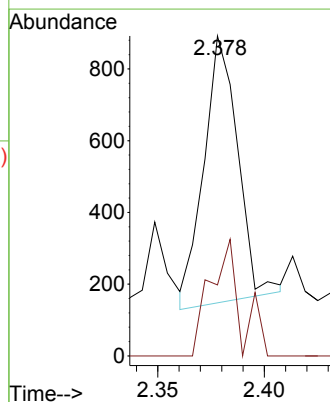
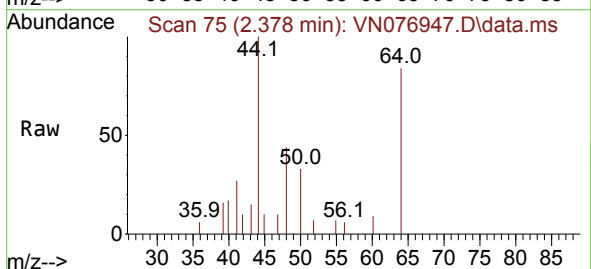
Acq: 11 Mar 2023 00:28

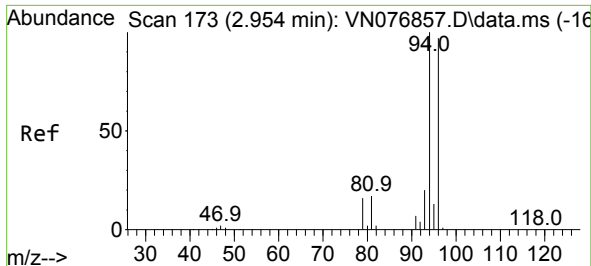
Tgt Ion: 50 Resp: 824

Ion Ratio Lower Upper

50 100

52 27.8 27.9 41.9#

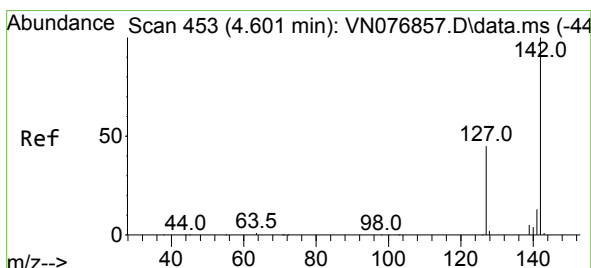
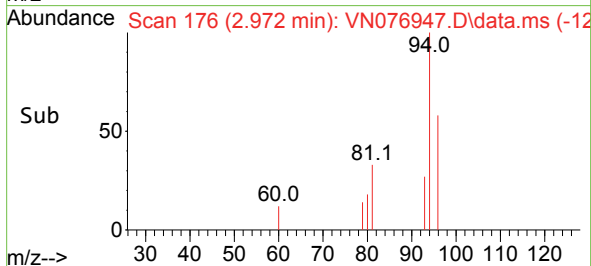
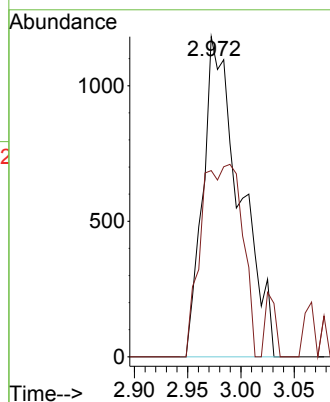
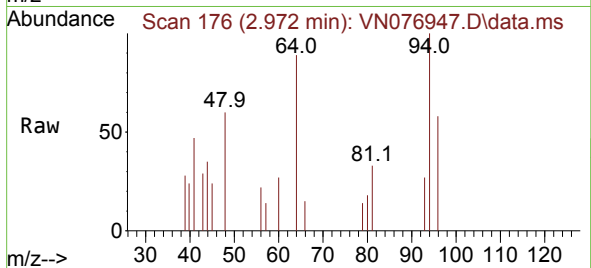




#5
Bromomethane
Concen: 1.031 ug/l
RT: 2.972 min Scan# 11
Delta R.T. 0.018 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

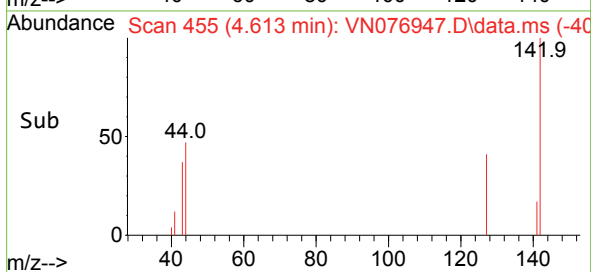
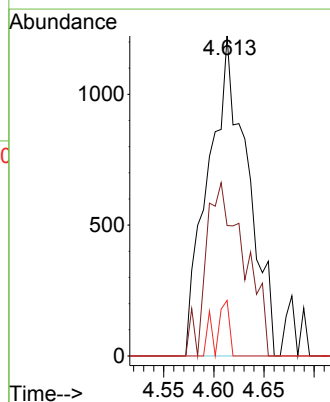
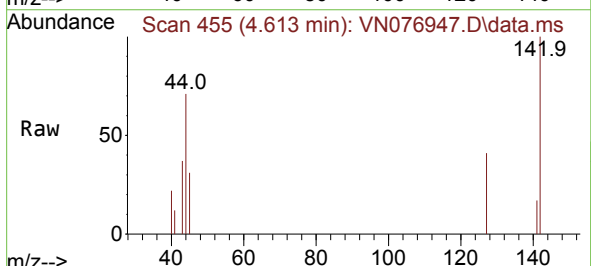
Instrument :
MSVOA_N
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33907

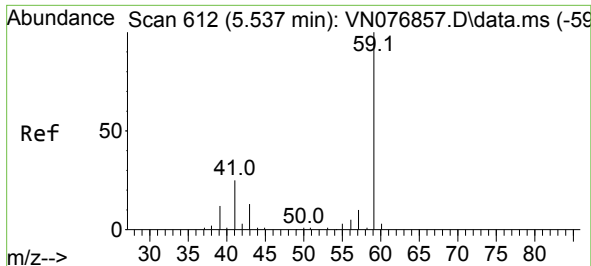
Tgt Ion: 94 Resp: 2847
Ion Ratio Lower Upper
94 100
96 58.2 79.0 118.6#



#10
Methyl Iodide
Concen: 0.638 ug/l
RT: 4.613 min Scan# 455
Delta R.T. 0.012 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion:142 Resp: 3323
Ion Ratio Lower Upper
142 100
127 40.7 35.2 52.8
141 17.3 10.2 15.2#





#11

Tert butyl alcohol

Concen: 7.502 ug/l

RT: 5.531 min Scan# 612

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

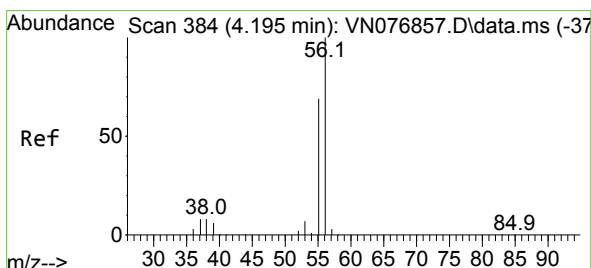
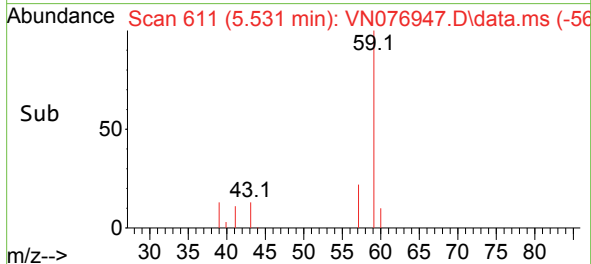
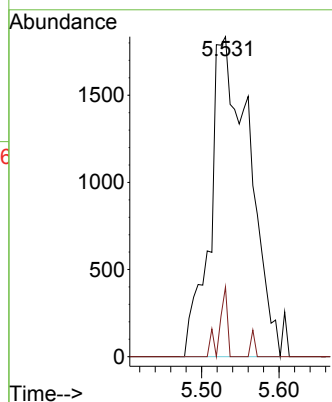
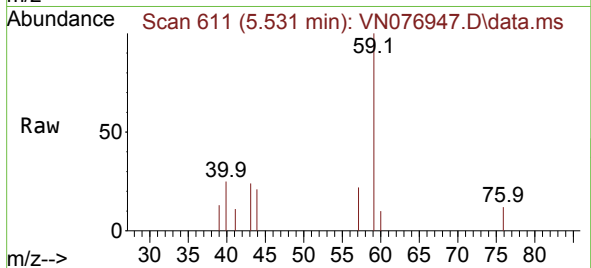
33907

Tgt Ion: 59 Resp: 6461

Ion Ratio Lower Upper

59 100

57 4.3 8.6 12.8#



#13

Acrolein

Concen: 0.696 ug/l

RT: 4.196 min Scan# 384

Delta R.T. 0.006 min

Lab File: VN076947.D

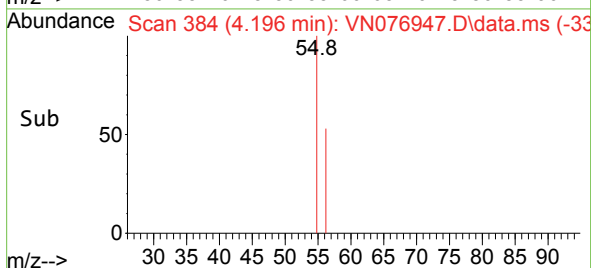
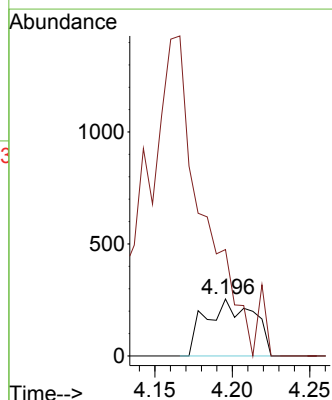
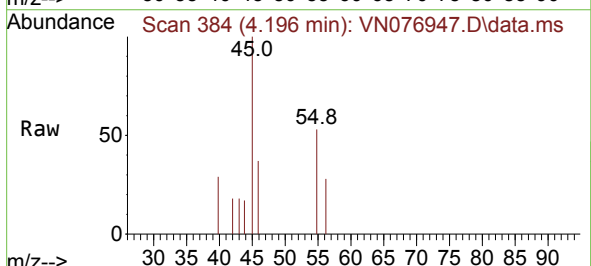
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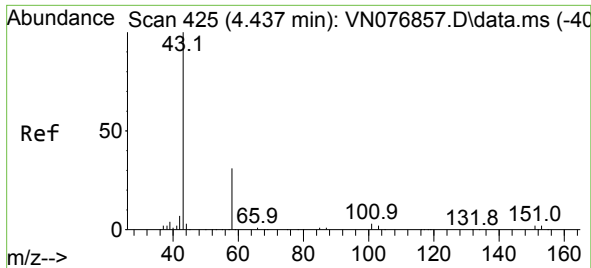
Tgt Ion: 56 Resp: 539

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#





#16

Acetone

Concen: 58.225 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

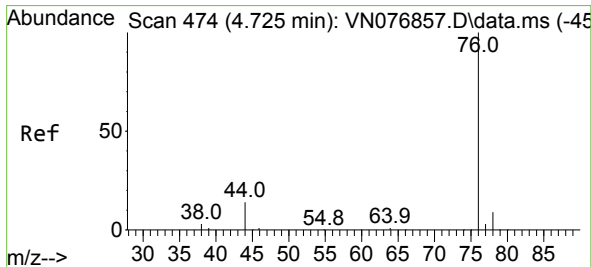
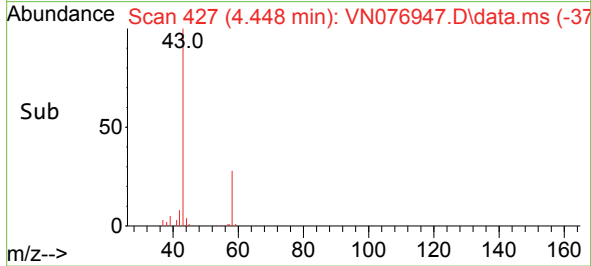
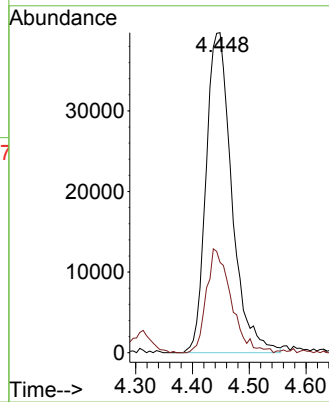
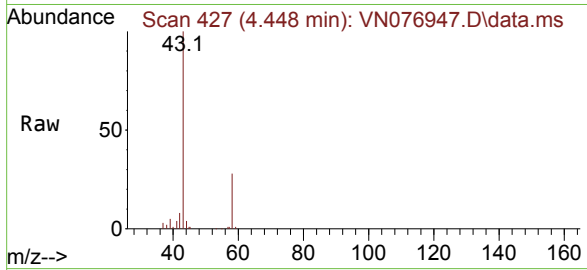
33907

Tgt Ion: 43 Resp: 124913

Ion Ratio Lower Upper

43 100

58 28.2 28.2 42.2



#17

Carbon Disulfide

Concen: 0.641 ug/l

RT: 4.737 min Scan# 476

Delta R.T. 0.012 min

Lab File: VN076947.D

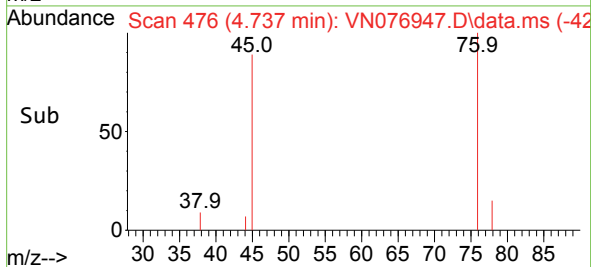
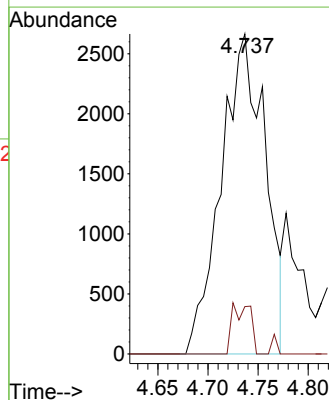
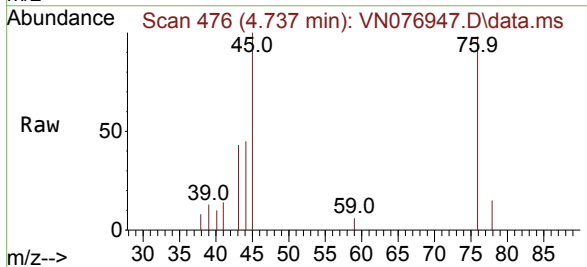
Acq: 11 Mar 2023 00:28

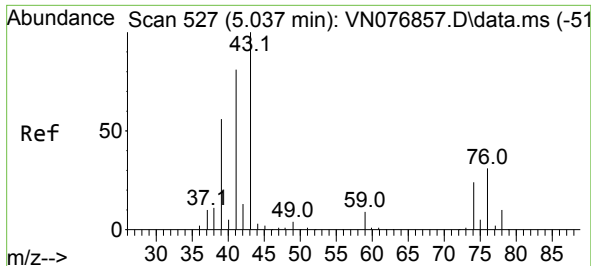
Tgt Ion: 76 Resp: 8139

Ion Ratio Lower Upper

76 100

78 14.8 7.8 11.8#

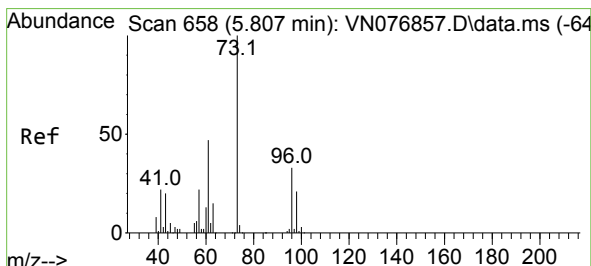
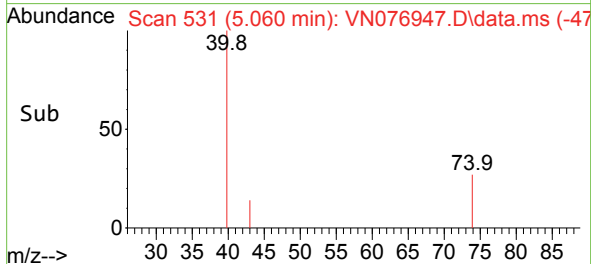
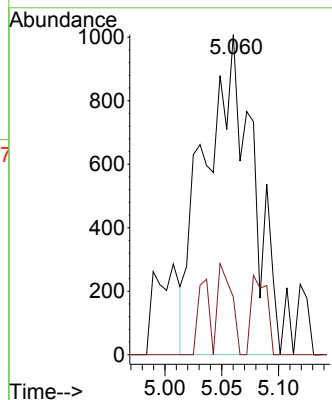
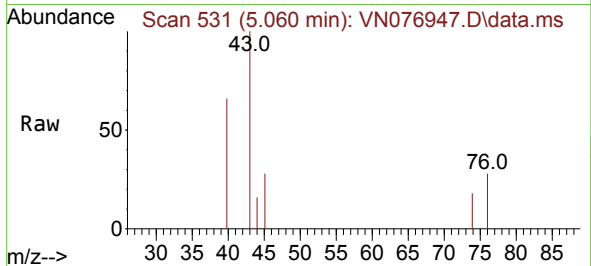




#18
Methyl Acetate
Concen: 0.374 ug/l
RT: 5.060 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

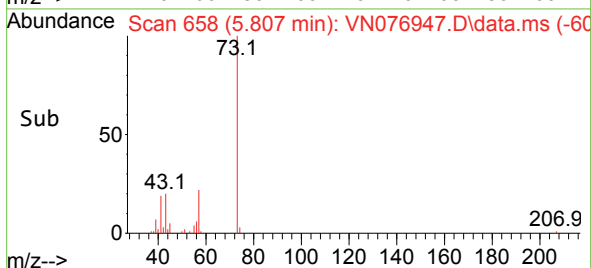
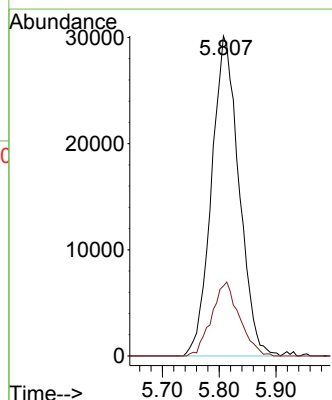
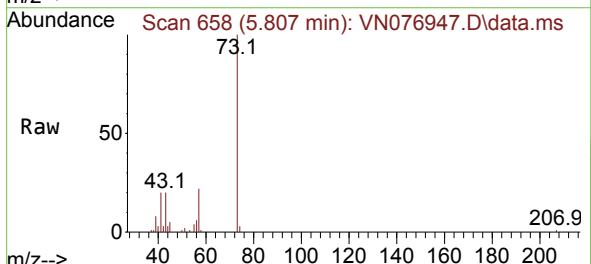
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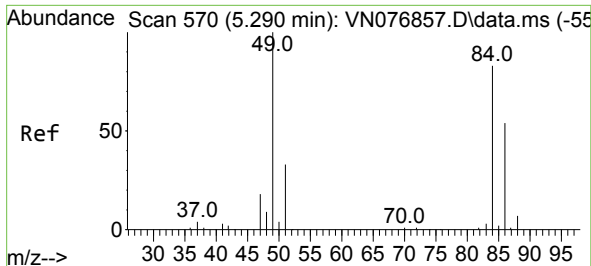
Tgt Ion: 43 Resp: 2962
Ion Ratio Lower Upper
43 100
74 8.4 25.9 38.9#



#19
Methyl tert-butyl Ether
Concen: 6.211 ug/l
RT: 5.807 min Scan# 658
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

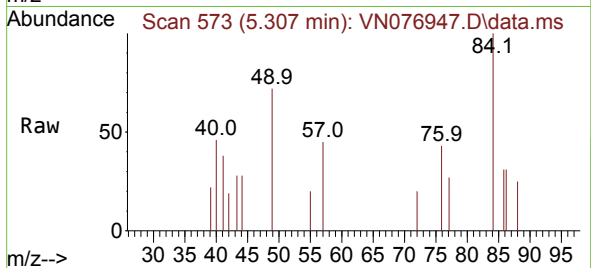
Tgt Ion: 73 Resp: 101277
Ion Ratio Lower Upper
73 100
57 21.9 16.1 24.1



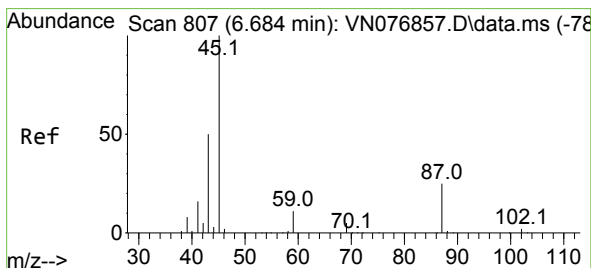
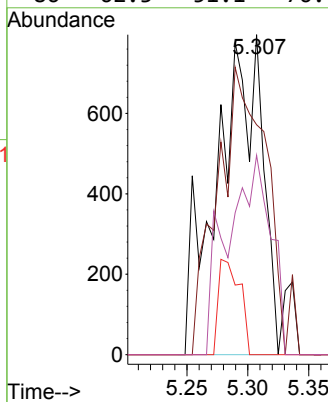
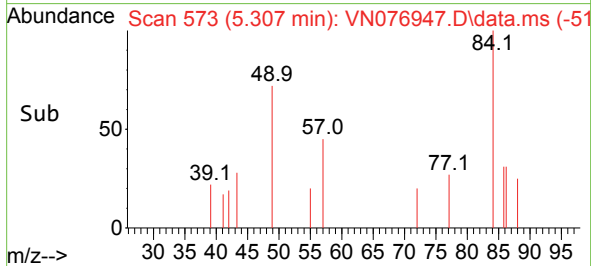


#20
Methylene Chloride
Concen: 0.372 ug/l
RT: 5.307 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

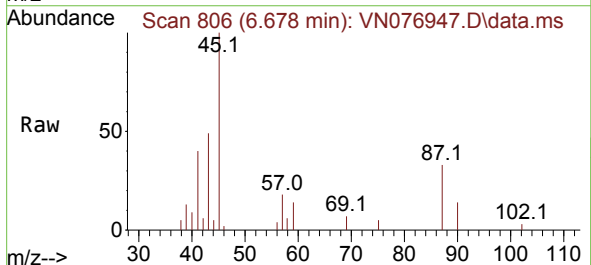
Instrument :
MSVOA_N
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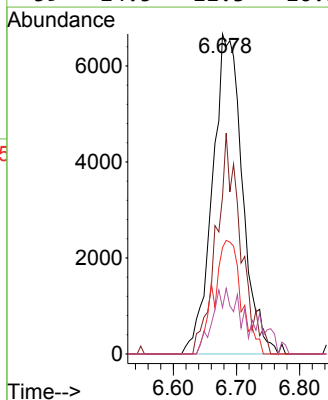
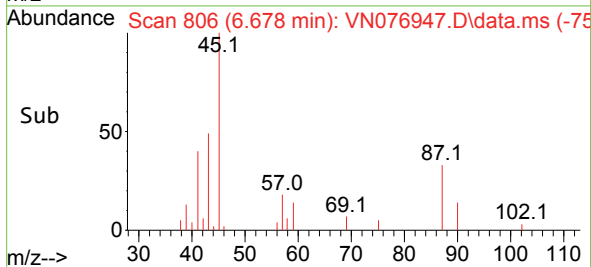
Tgt Ion: 84 Resp: 2050
Ion Ratio Lower Upper
84 100
49 71.9 76.6 114.8#
51 0.0 25.4 38.2#
86 62.3 51.1 76.7

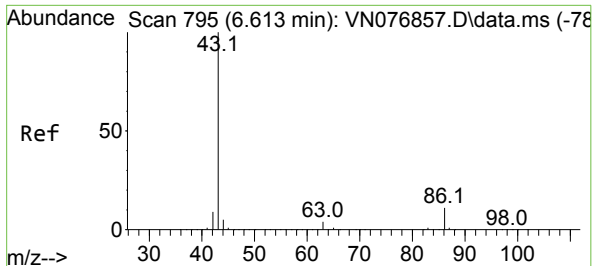


#22
Diisopropyl ether
Concen: 1.506 ug/l
RT: 6.678 min Scan# 806
Delta R.T. -0.006 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28



Tgt Ion: 45 Resp: 21924
Ion Ratio Lower Upper
45 100
43 49.1 42.6 63.8
87 33.2 29.7 44.5
59 14.5 11.3 16.9

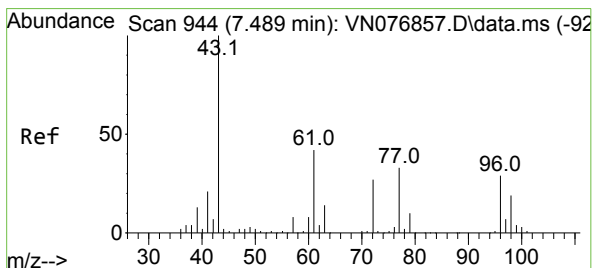
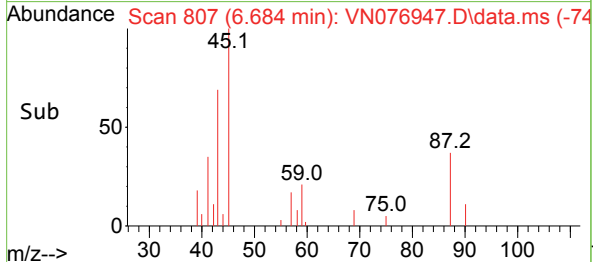
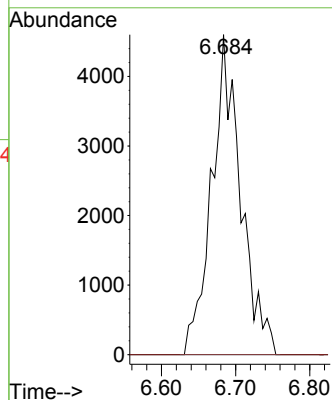
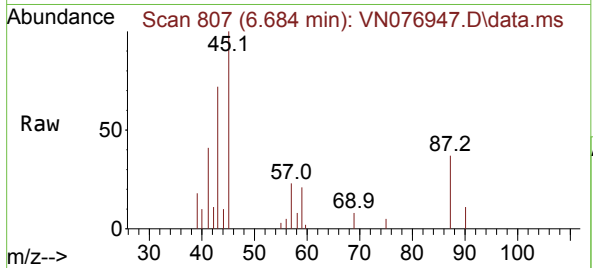




#23
 Vinyl Acetate
 Concen: 1.394 ug/l
 RT: 6.684 min Scan# 807
 Delta R.T. 0.071 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

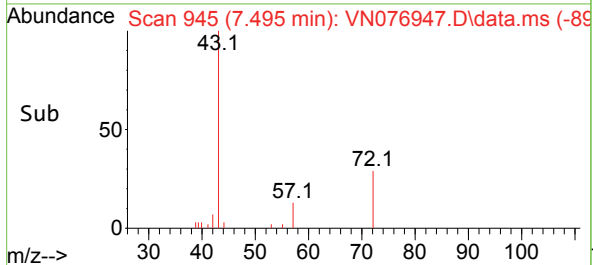
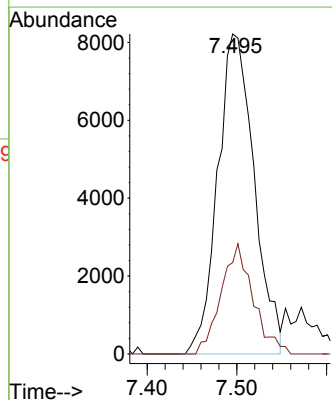
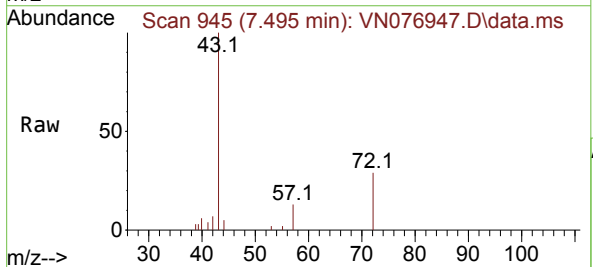
Instrument :
 MSVOA_N
 ClientSampleId :
 33907

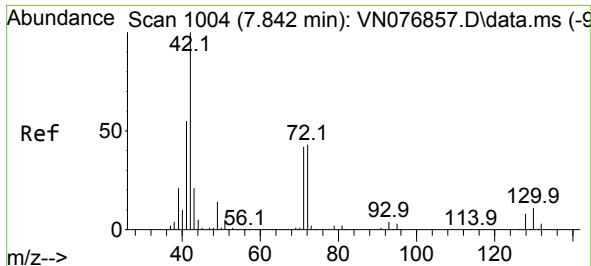
Tgt Ion: 43 Resp: 12494
 Ion Ratio Lower Upper
 43 100
 86 0.0 11.8 17.6#



#25
 2-Butanone
 Concen: 7.592 ug/l
 RT: 7.495 min Scan# 945
 Delta R.T. 0.006 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

Tgt Ion: 43 Resp: 23166
 Ion Ratio Lower Upper
 43 100
 72 28.6 28.8 43.2#





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 7.854 min Scan# 1069

Delta R.T. 0.012 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

33907

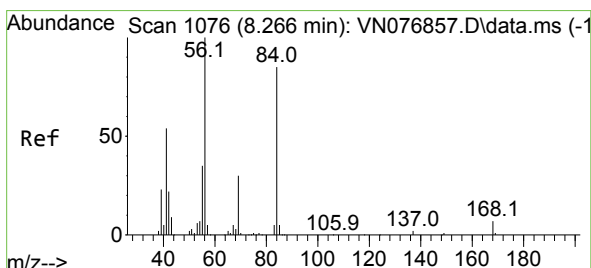
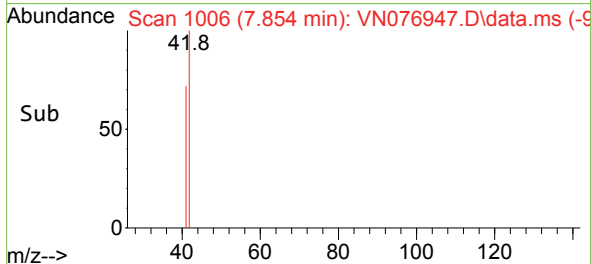
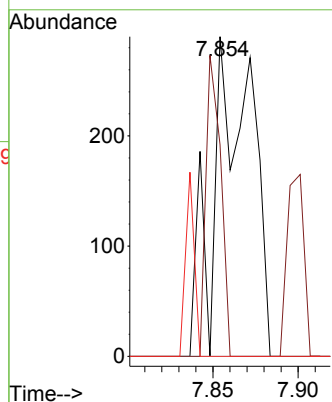
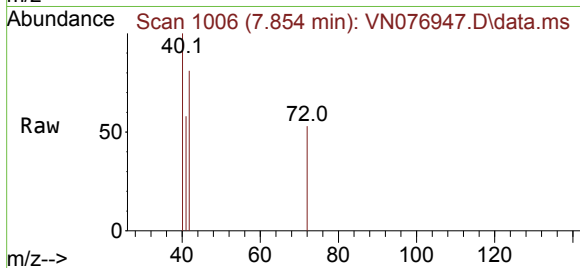
Tgt Ion: 42 Resp: 459

Ion Ratio Lower Upper

42 100

72 35.7 48.6 73.0#

71 12.9 45.1 67.7#



#31

Cyclohexane

Concen: 1.536 ug/l

RT: 8.225 min Scan# 1069

Delta R.T. -0.041 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

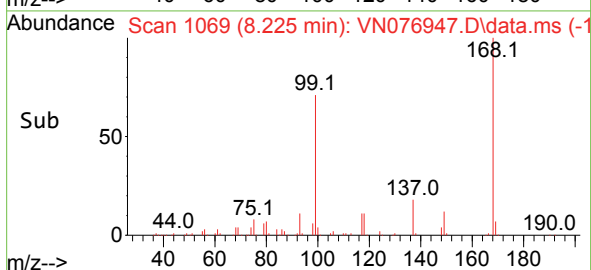
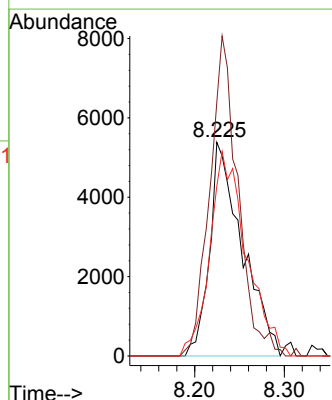
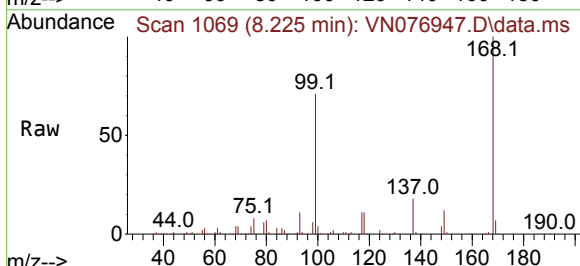
Tgt Ion: 56 Resp: 13646

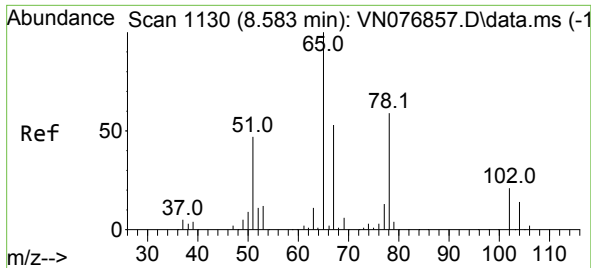
Ion Ratio Lower Upper

56 100

69 118.9 27.0 40.6#

84 79.6 82.9 124.3#





#33

1,2-Dichloroethane-d4

Concen: 46.522 ug/l

RT: 8.584 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

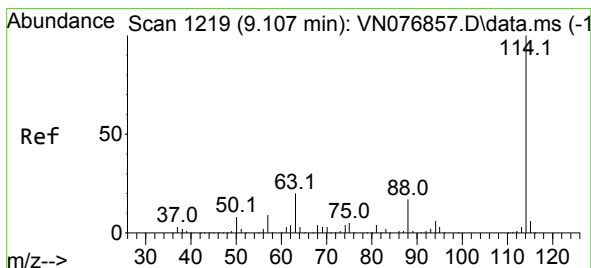
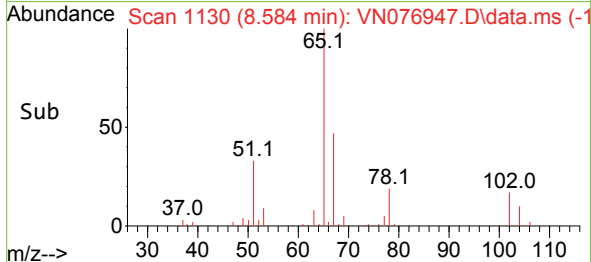
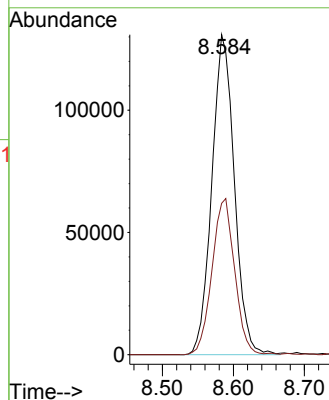
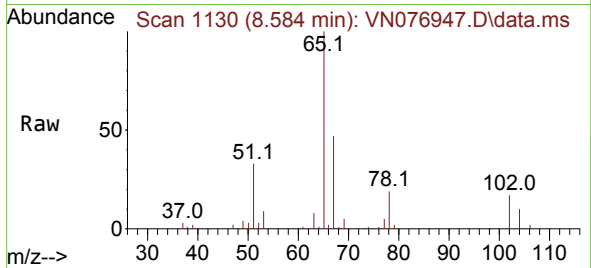
33907

Tgt Ion: 65 Resp: 288027

Ion Ratio Lower Upper

65 100

67 48.9 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.107 min Scan# 1219

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

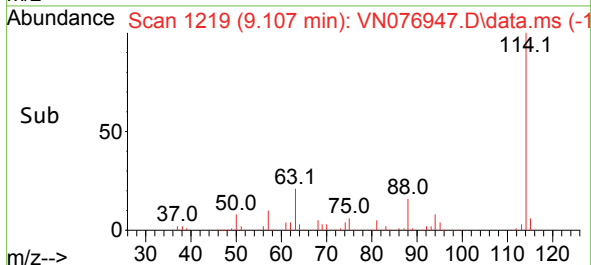
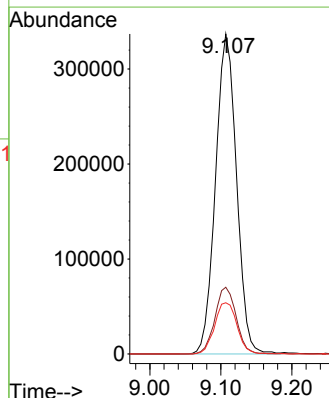
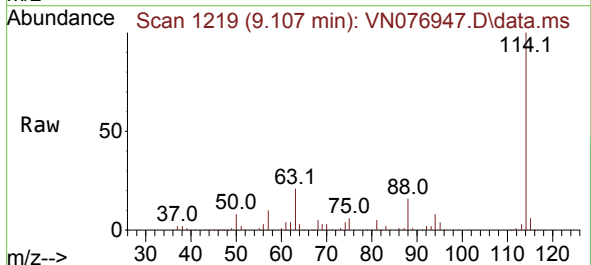
Tgt Ion: 114 Resp: 690737

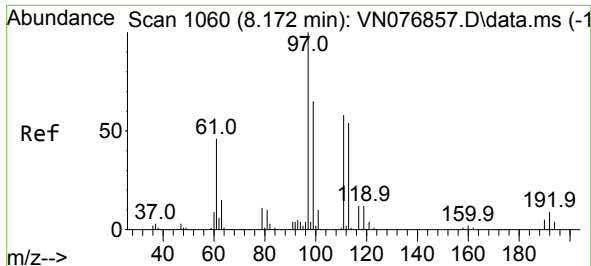
Ion Ratio Lower Upper

114 100

63 20.8 0.0 36.6

88 16.0 0.0 28.6

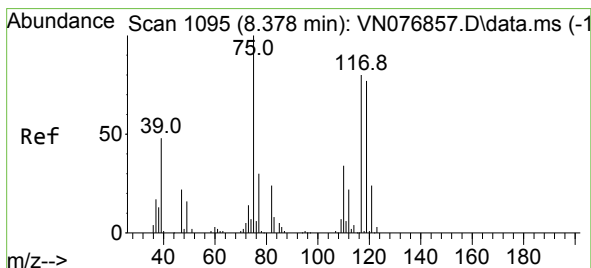
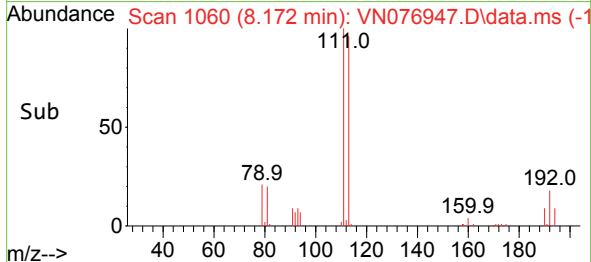
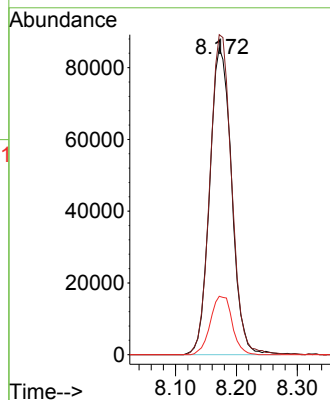
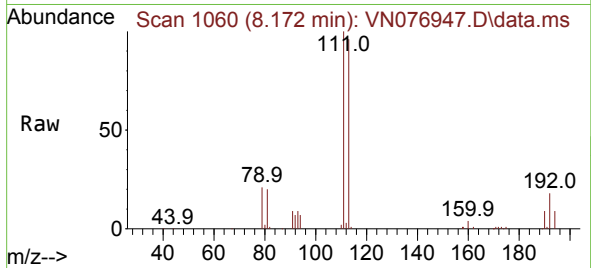




#35
Dibromofluoromethane
Concen: 46.472 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

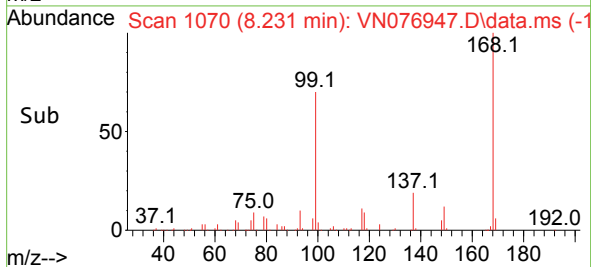
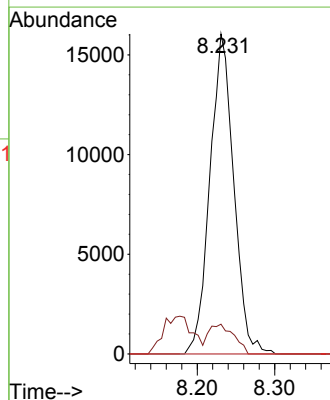
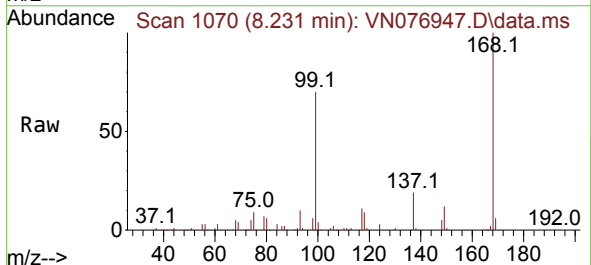
Instrument :
MSVOA_N
ClientSampleId :
33907

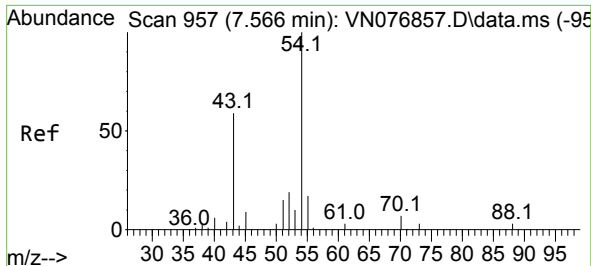
Tgt Ion:113 Resp: 213936
Ion Ratio Lower Upper
113 100
111 103.3 81.8 122.8
192 18.9 13.9 20.9



#36
1,1-Dichloropropene
Concen: 4.813 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.147 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 75 Resp: 34270
Ion Ratio Lower Upper
75 100
110 9.8 18.9 56.9#
77 0.0 24.9 37.3#

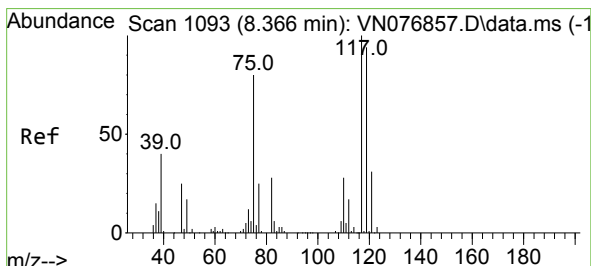
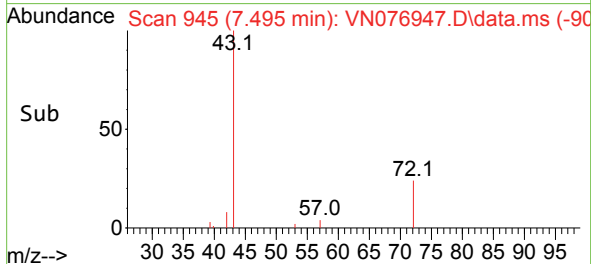
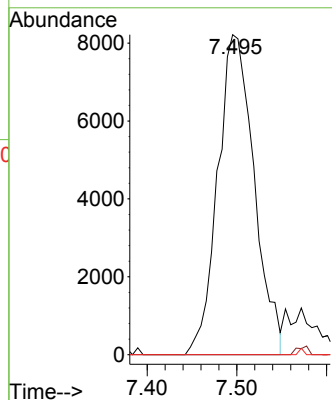
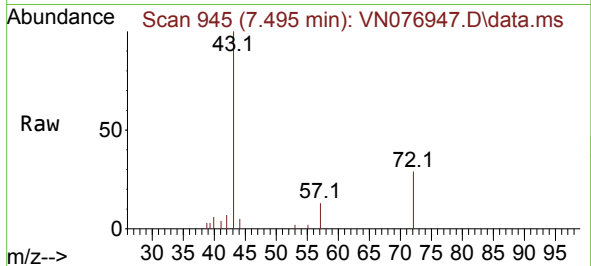




#37
Ethyl Acetate
Concen: 4.069 ug/l
RT: 7.495 min Scan# 945
Delta R.T. -0.071 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

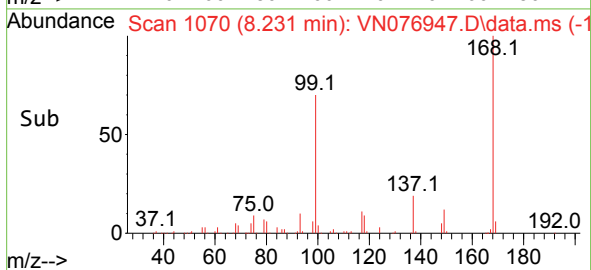
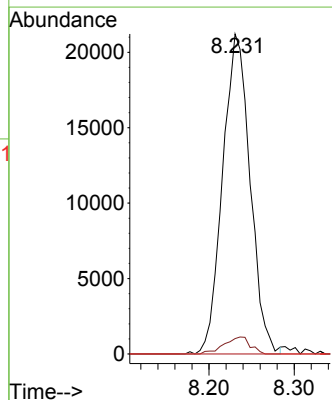
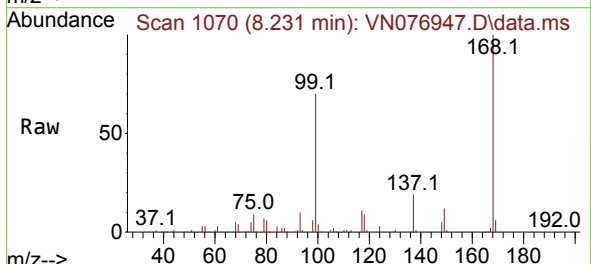
Instrument :
MSVOA_N
ClientSampleId :
33907

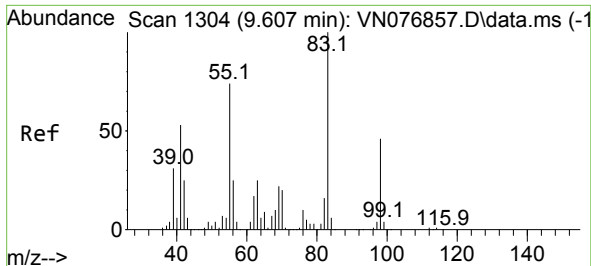
Tgt Ion: 43 Resp: 23166
Ion Ratio Lower Upper
43 100
61 0.0 13.5 20.3#
70 0.0 11.0 16.6#



#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 8.231 min Scan# 1070
Delta R.T. -0.141 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 117 Resp: 47559
Ion Ratio Lower Upper
117 100
119 4.8 76.9 115.3#
121 0.0 23.2 34.8#





#39

Methylcyclohexane

Concen: 0.504 ug/l

RT: 9.607 min Scan# 11304

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

33907

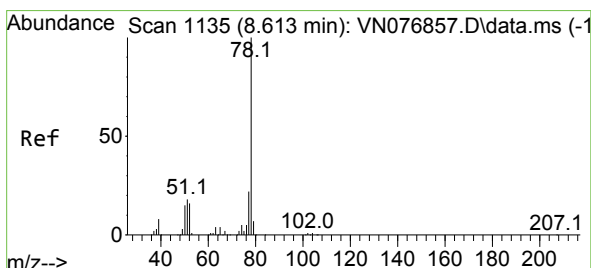
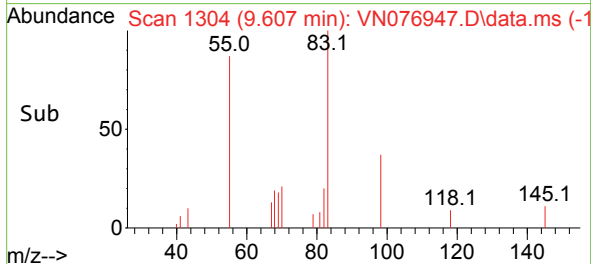
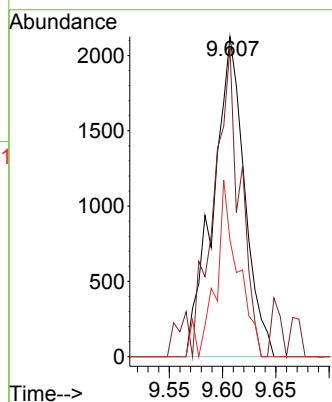
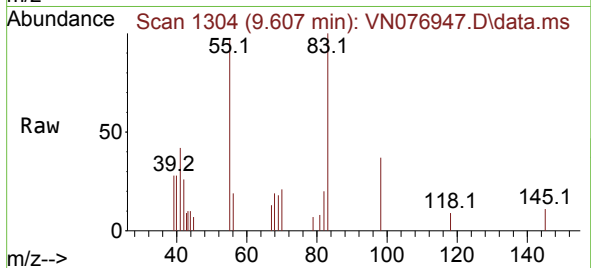
Tgt Ion: 83 Resp: 4358

Ion Ratio Lower Upper

83 100

55 89.0 47.0 70.4#

98 36.5 39.4 59.0#



#40

Benzene

Concen: 20.887 ug/l

RT: 8.613 min Scan# 1135

Delta R.T. -0.000 min

Lab File: VN076947.D

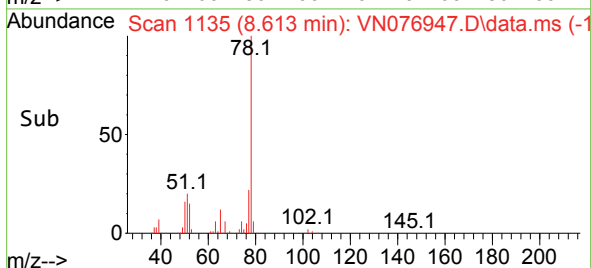
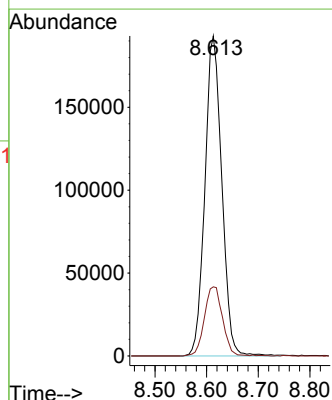
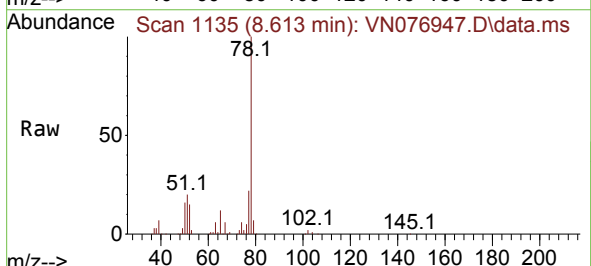
Acq: 11 Mar 2023 00:28

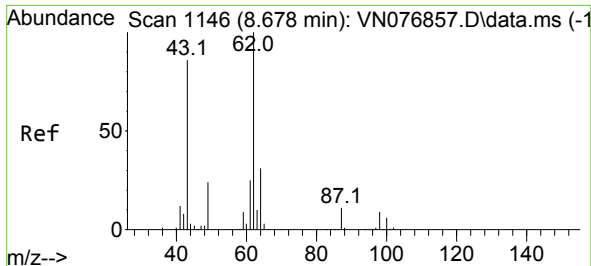
Tgt Ion: 78 Resp: 438348

Ion Ratio Lower Upper

78 100

77 21.6 19.3 28.9





#42

1,2-Dichloroethane

Concen: 0.591 ug/l

RT: 8.607 min Scan# 1146

Delta R.T. -0.071 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

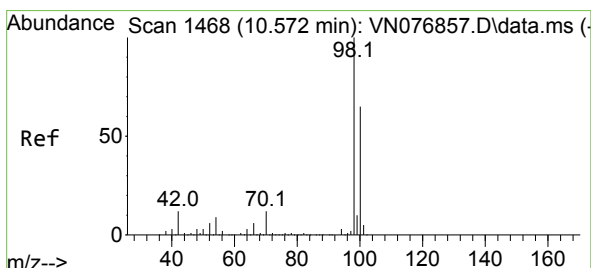
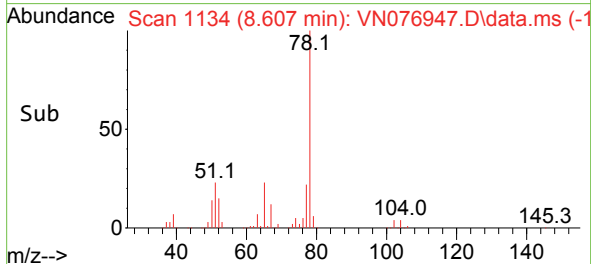
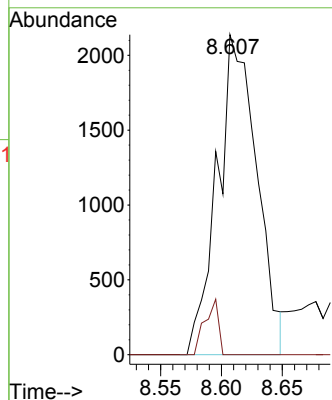
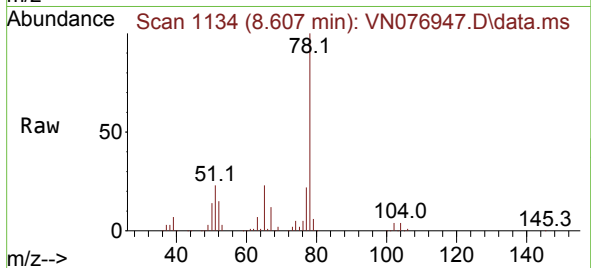
33907

Tgt Ion: 62 Resp: 4834

Ion Ratio Lower Upper

62 100

98 6.0 0.0 21.8



#50

Toluene-d8

Concen: 47.932 ug/l

RT: 10.572 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VN076947.D

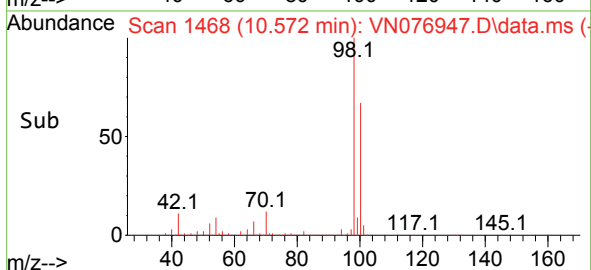
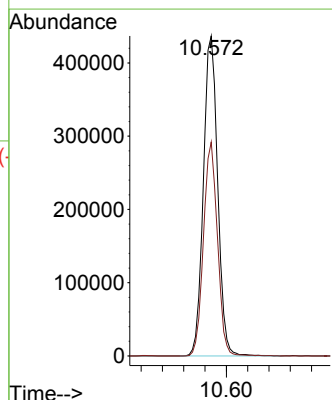
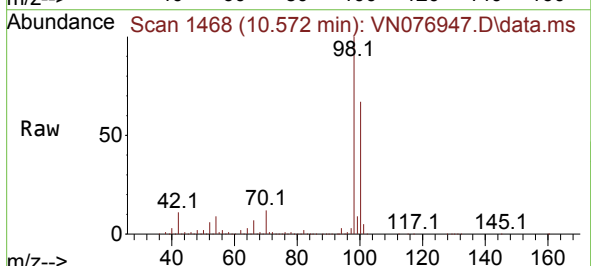
Acq: 11 Mar 2023 00:28

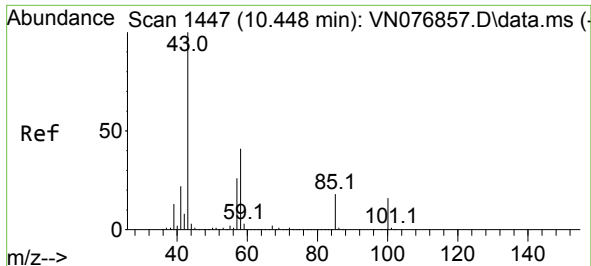
Tgt Ion: 98 Resp: 813227

Ion Ratio Lower Upper

98 100

100 65.4 52.8 79.2

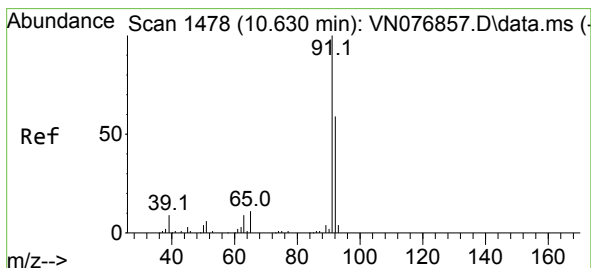
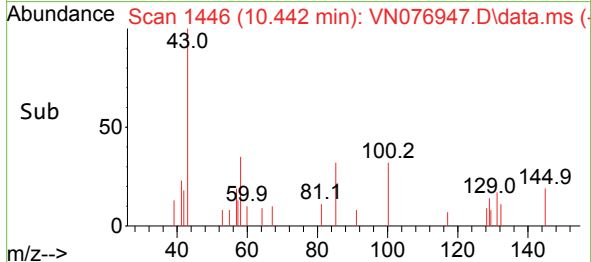
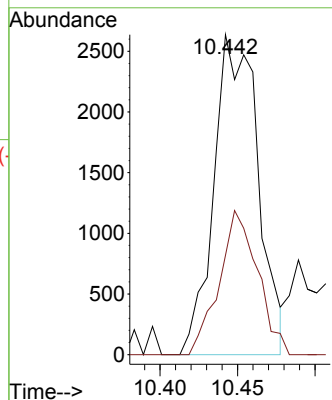
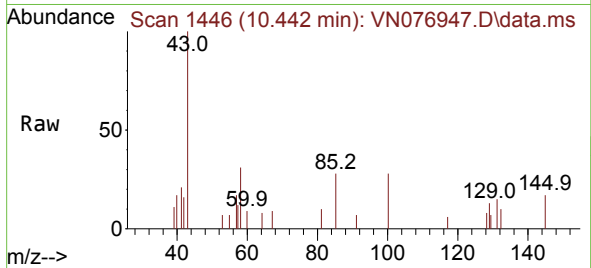




#51
4-Methyl-2-Pentanone
Concen: 0.862 ug/l
RT: 10.442 min Scan# 1446
Delta R.T. -0.006 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

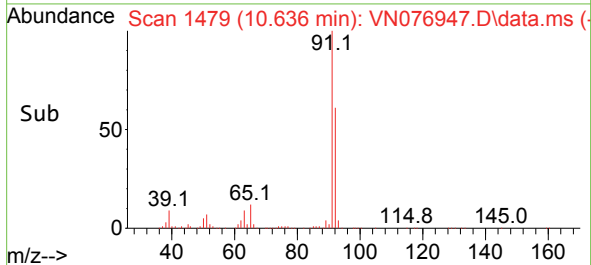
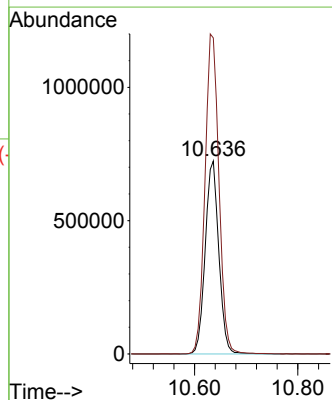
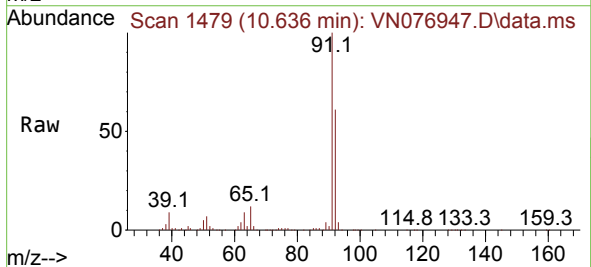
Instrument :
MSVOA_N
ClientSampleId :
33907

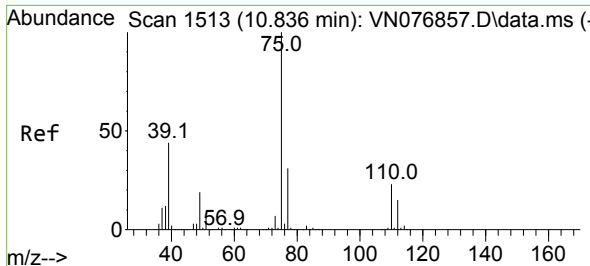
Tgt Ion: 43 Resp: 5203
Ion Ratio Lower Upper
43 100
58 39.3 37.4 56.0



#52
Toluene
Concen: 102.032 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 92 Resp: 1317896
Ion Ratio Lower Upper
92 100
91 170.3 138.2 207.2

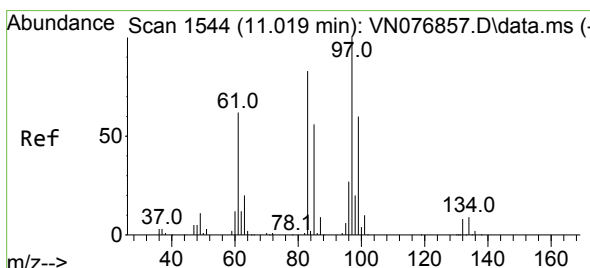
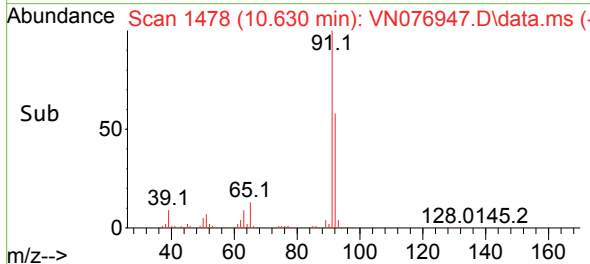
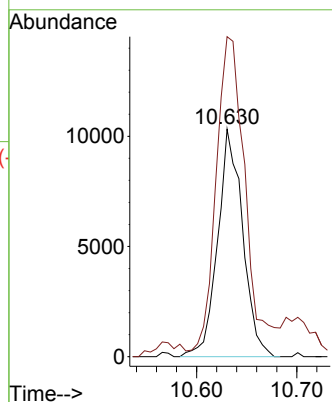
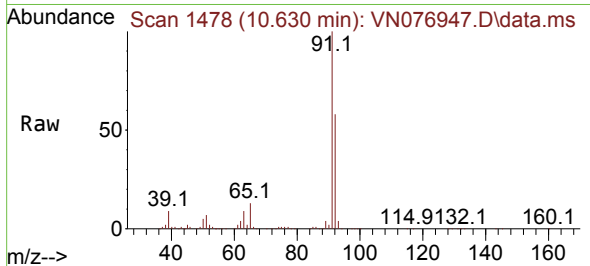




#53
t-1,3-Dichloropropene
Concen: 2.344 ug/l
RT: 10.630 min Scan# 14
Delta R.T. -0.206 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

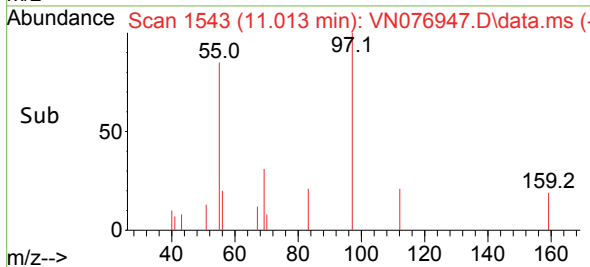
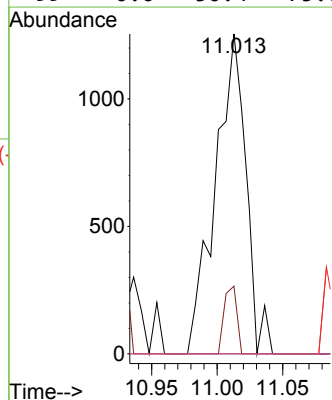
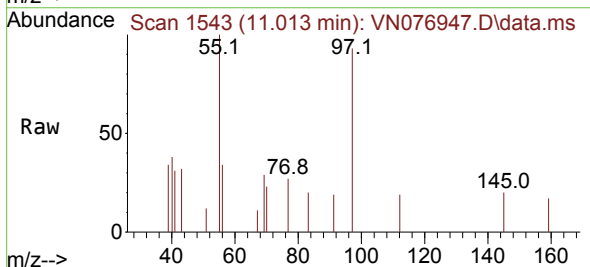
Instrument :
MSVOA_N
ClientSampleId :
33907

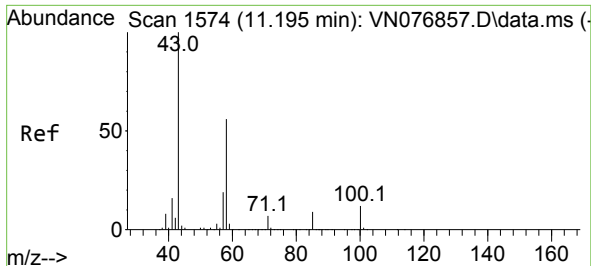
Tgt Ion: 75 Resp: 17876
Ion Ratio Lower Upper
75 100
77 135.2 25.0 37.6#



#55
1,1,2-Trichloroethane
Concen: 0.406 ug/l
RT: 11.013 min Scan# 1543
Delta R.T. -0.006 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 97 Resp: 2041
Ion Ratio Lower Upper
97 100
83 21.2 67.1 100.7#
85 0.0 41.8 62.8#
99 0.0 50.4 75.6#





#59

2-Hexanone

Concen: 1.314 ug/l

RT: 11.195 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

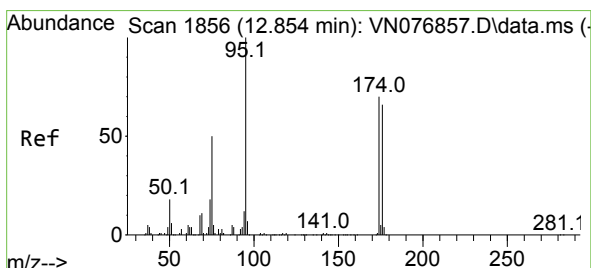
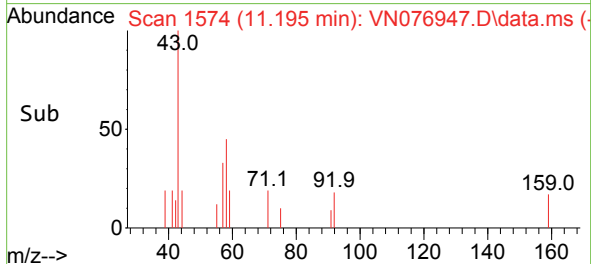
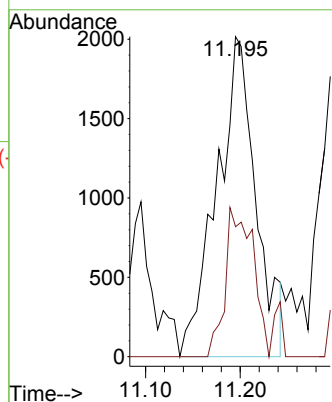
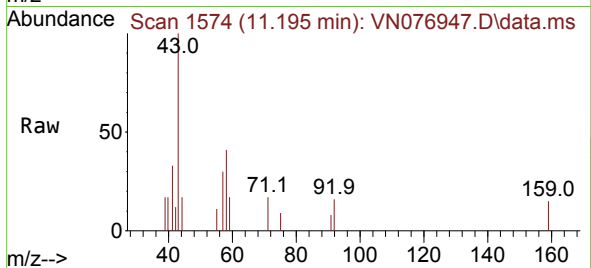
33907

Tgt Ion: 43 Resp: 5785

Ion Ratio Lower Upper

43 100

58 33.0 32.6 98.0



#62

4-Bromofluorobenzene

Concen: 51.184 ug/l

RT: 12.854 min Scan# 1856

Delta R.T. 0.006 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

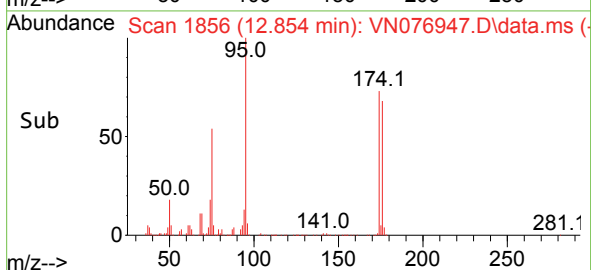
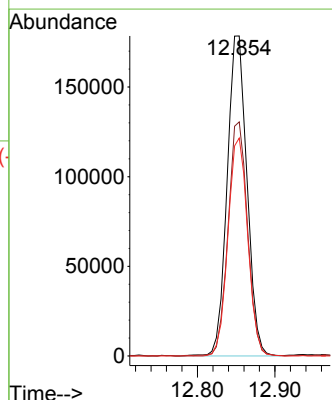
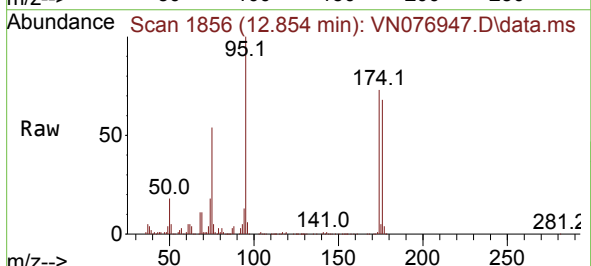
Tgt Ion: 95 Resp: 317630

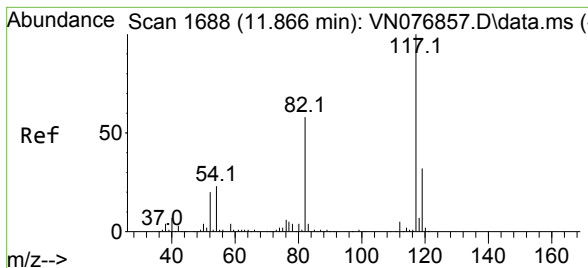
Ion Ratio Lower Upper

95 100

174 72.0 0.0 162.4

176 67.7 0.0 157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.872 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

33907

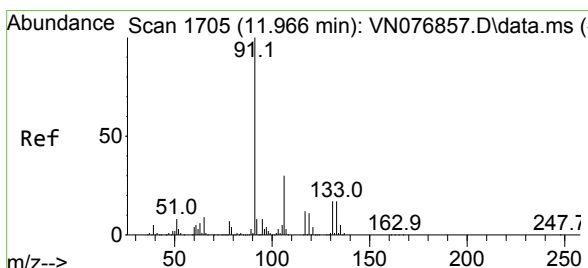
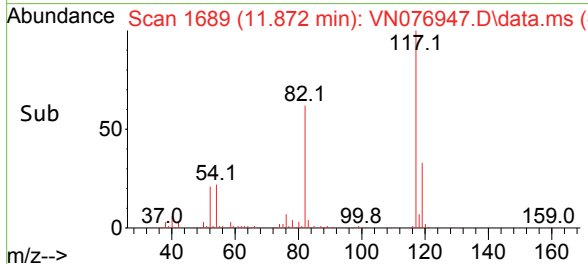
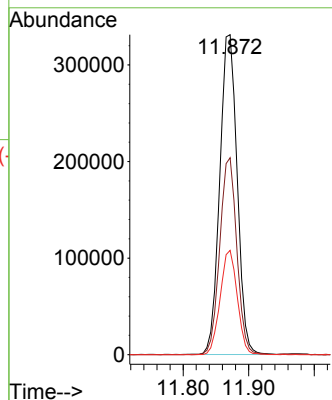
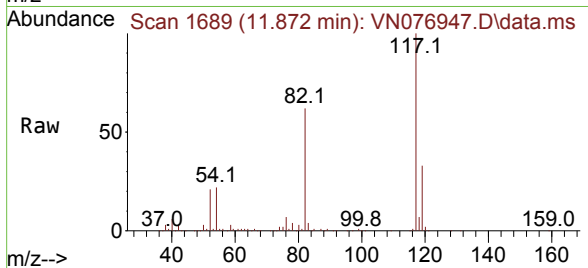
Tgt Ion:117 Resp: 608172

Ion Ratio Lower Upper

117 100

82 61.6 43.5 65.3

119 32.6 25.5 38.3



#67

Ethyl Benzene

Concen: 18.423 ug/l

RT: 11.966 min Scan# 1705

Delta R.T. -0.000 min

Lab File: VN076947.D

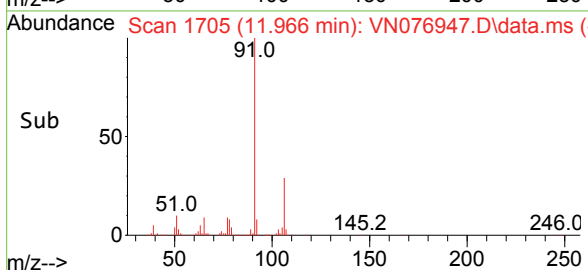
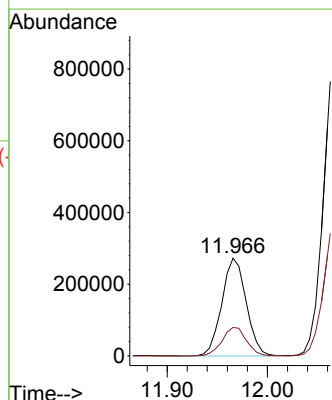
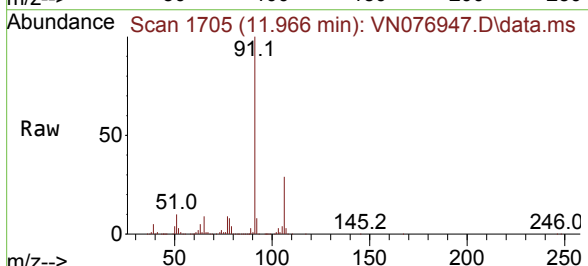
Acq: 11 Mar 2023 00:28

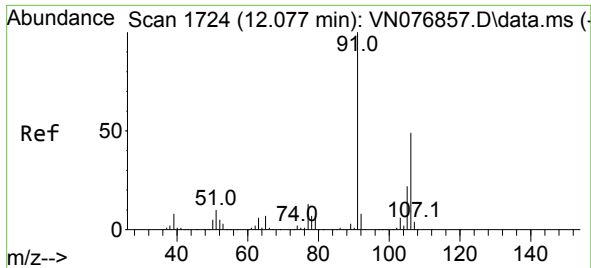
Tgt Ion: 91 Resp: 460834

Ion Ratio Lower Upper

91 100

106 29.2 25.1 37.7

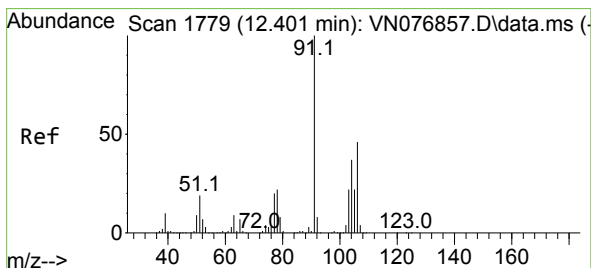
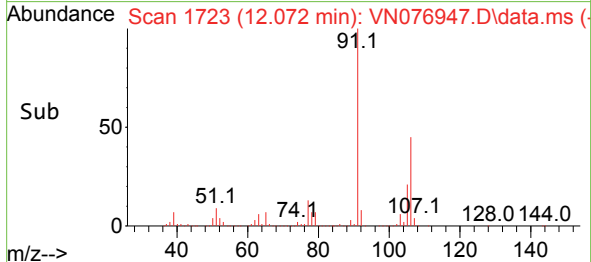
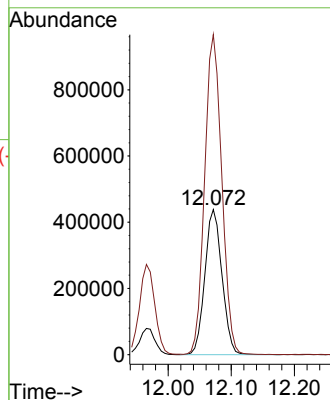
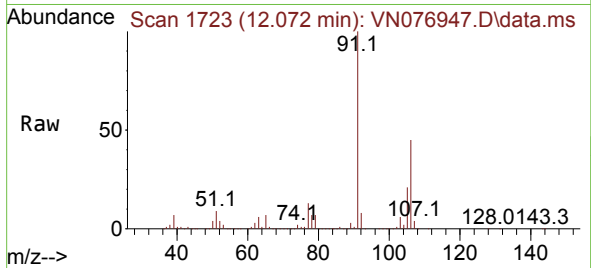




#68
m/p-Xylenes
Concen: 87.923 ug/l
RT: 12.072 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

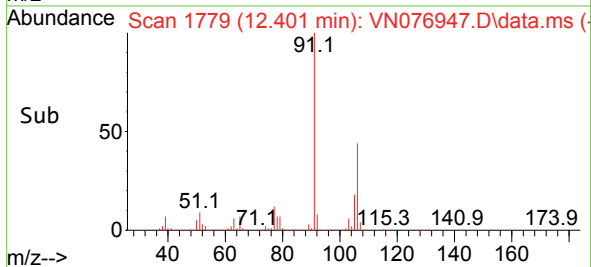
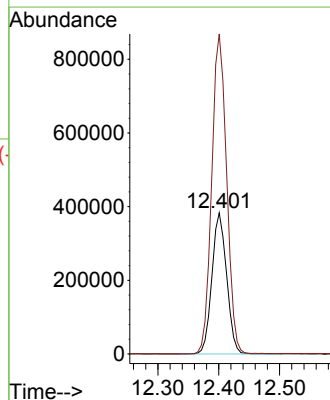
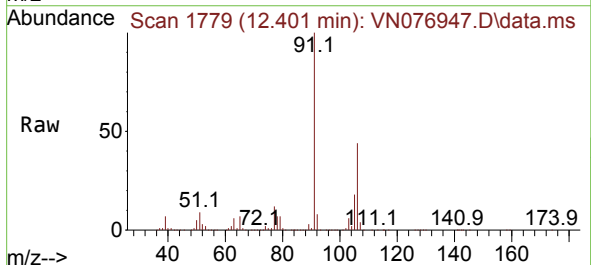
Instrument :
MSVOA_N
ClientSampleId :
33907

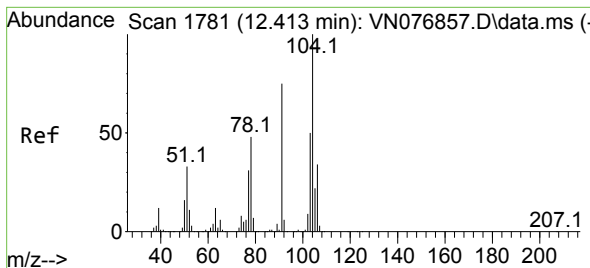
Tgt Ion:106 Resp: 826646
Ion Ratio Lower Upper
106 100
91 220.2 158.0 237.0



#69
o-Xylene
Concen: 70.373 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion:106 Resp: 642332
Ion Ratio Lower Upper
106 100
91 230.3 101.8 305.4





#70

Styrene

Concen: 2.510 ug/l

RT: 12.407 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

33907

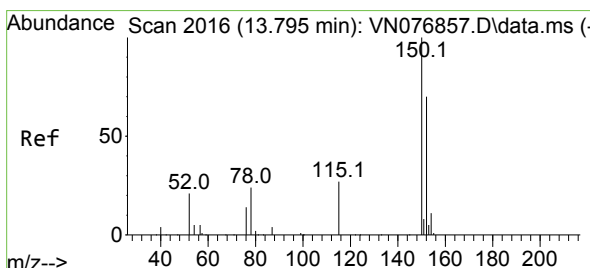
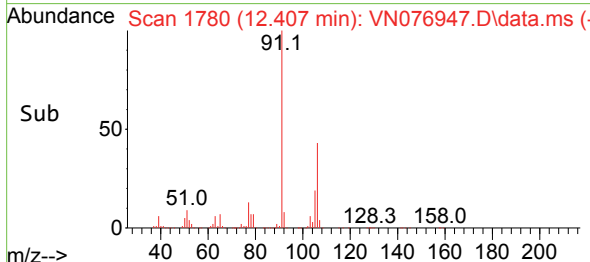
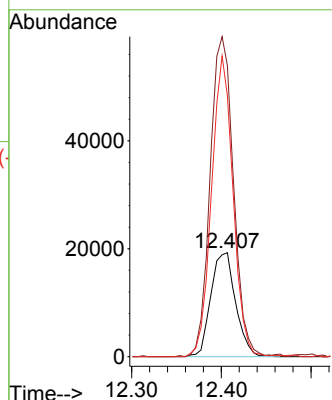
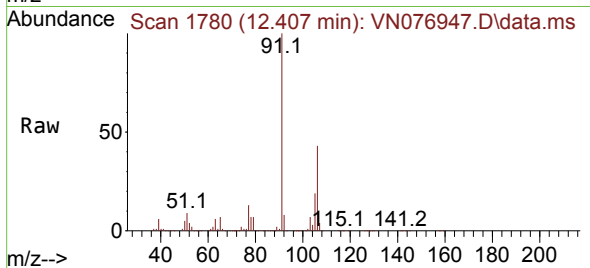
Tgt Ion:104 Resp: 37019

Ion Ratio Lower Upper

104 100

78 288.8 36.6 55.0#

103 250.3 43.4 65.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.795 min Scan# 2016

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

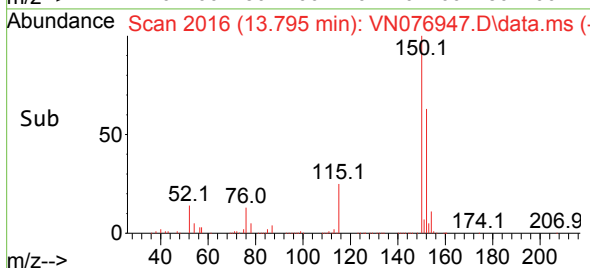
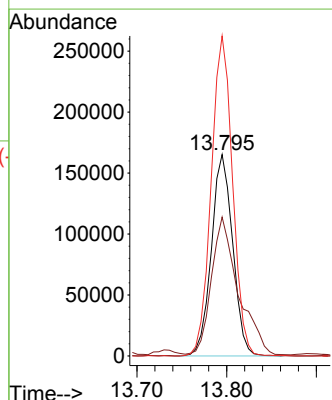
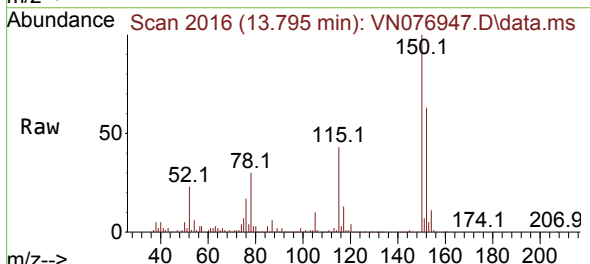
Tgt Ion:152 Resp: 272401

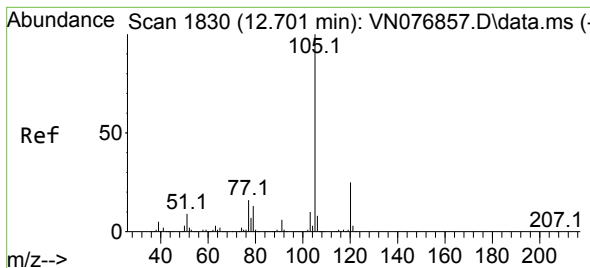
Ion Ratio Lower Upper

152 100

115 86.2 30.3 90.9

150 159.1 0.0 353.6





#73

Isopropylbenzene

Concen: 4.769 ug/l

RT: 12.701 min Scan# 1830

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

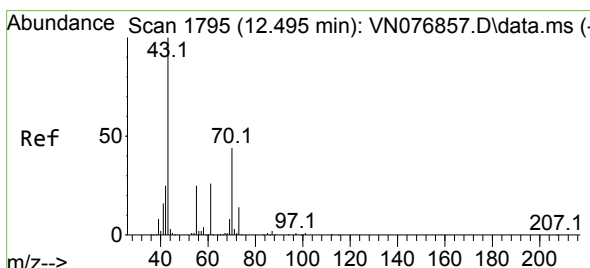
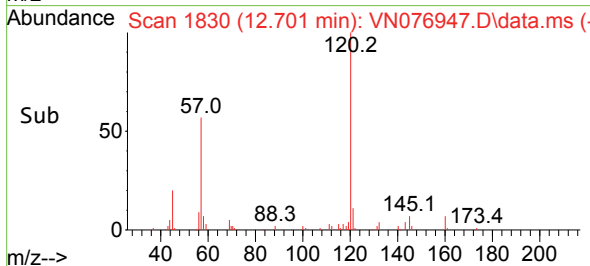
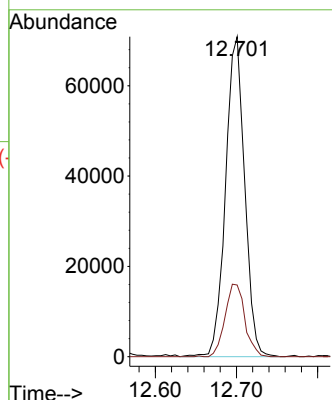
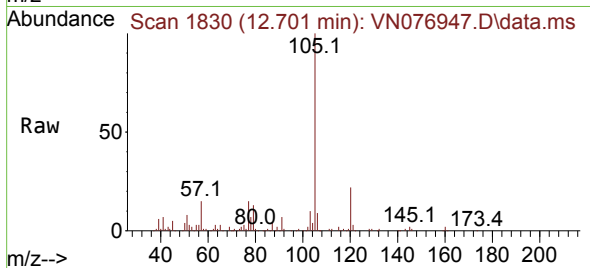
33907

Tgt Ion:105 Resp: 115763

Ion Ratio Lower Upper

105 100

120 23.6 13.8 41.4



#74

N-ethyl acetate

Concen: 1.236 ug/l

RT: 12.466 min Scan# 1790

Delta R.T. -0.029 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Tgt Ion: 43 Resp: 9935

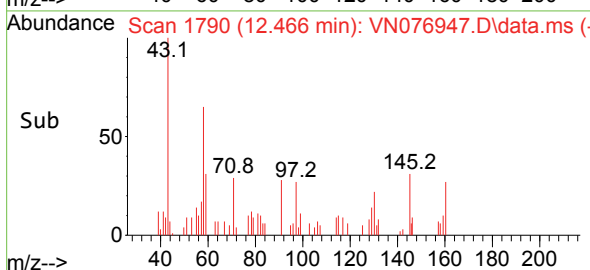
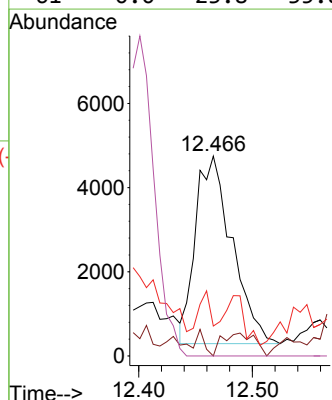
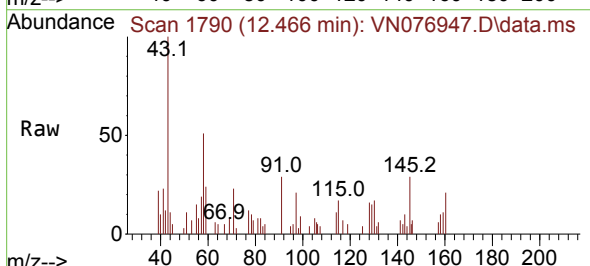
Ion Ratio Lower Upper

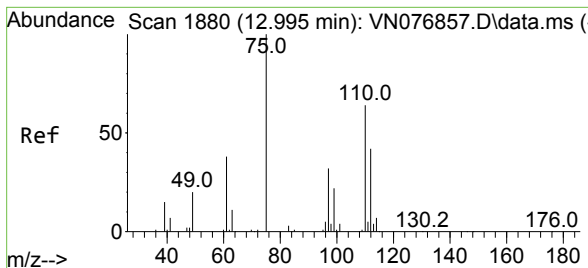
43 100

70 2.8 46.8 70.2#

55 10.3 23.4 35.2#

61 0.0 23.8 35.8#





#76

1,2,3-Trichloropropane

Concen: 2.490 ug/l

RT: 13.107 min Scan# 1899

Delta R.T. 0.112 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

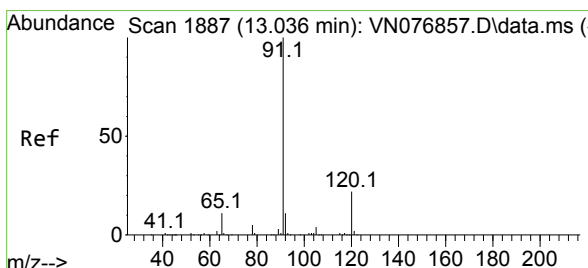
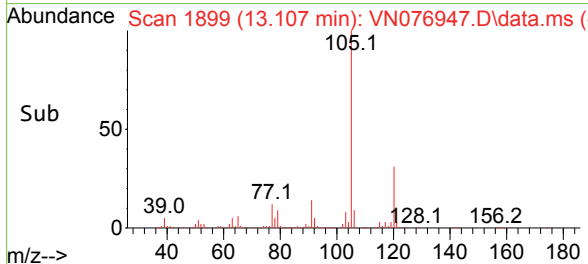
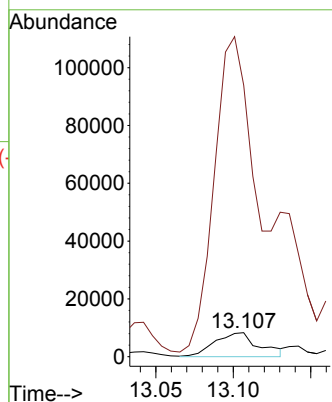
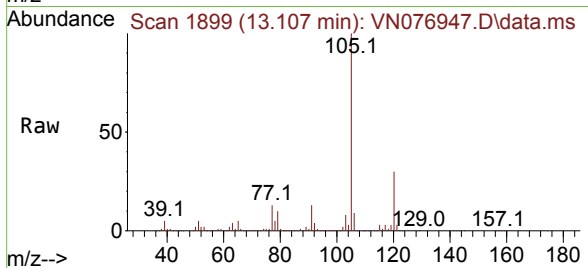
33907

Tgt Ion: 75 Resp: 16443

Ion Ratio Lower Upper

75 100

77 1215.8 93.8 281.4#



#78

n-propylbenzene

Concen: 15.515 ug/l

RT: 13.042 min Scan# 1888

Delta R.T. 0.006 min

Lab File: VN076947.D

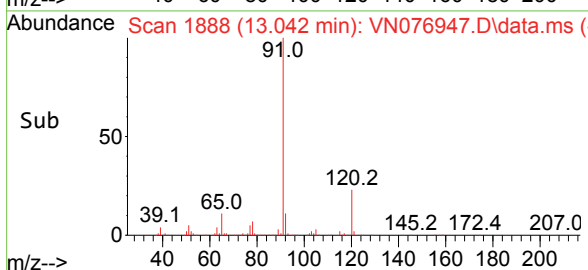
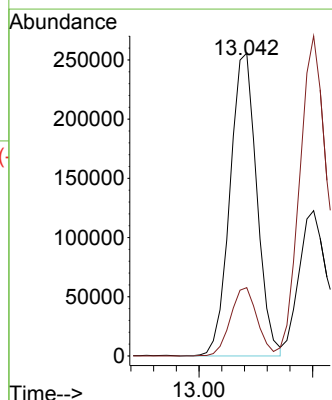
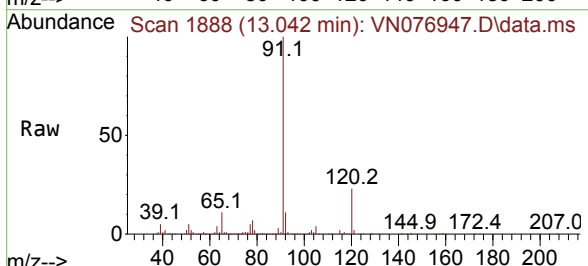
Acq: 11 Mar 2023 00:28

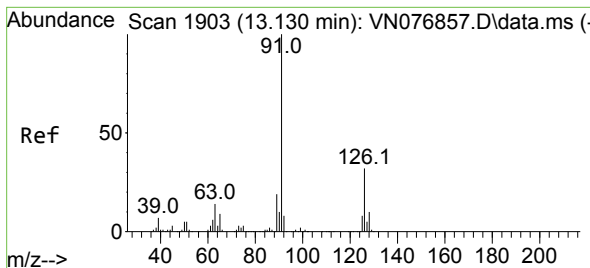
Tgt Ion: 91 Resp: 419360

Ion Ratio Lower Upper

91 100

120 22.4 11.9 35.7





#79

2-Chlorotoluene

Concen: 11.168 ug/l

RT: 13.101 min Scan# 1903

Delta R.T. -0.029 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

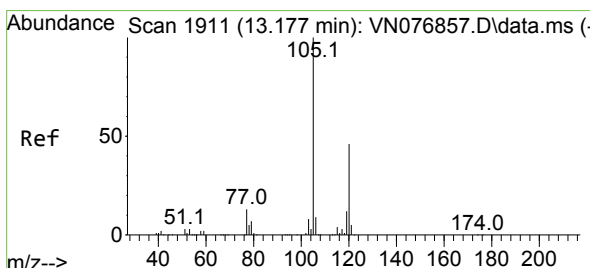
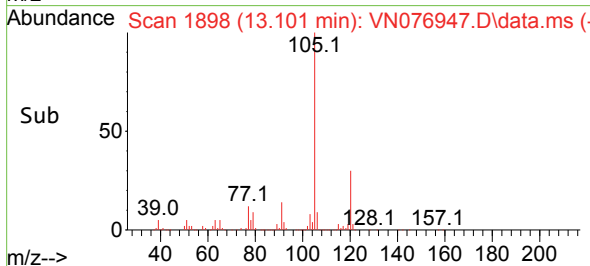
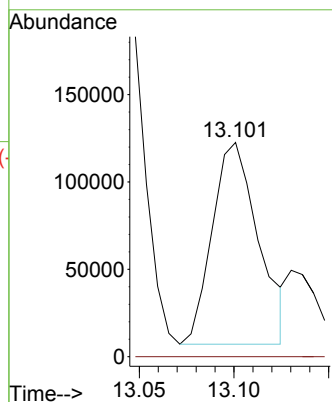
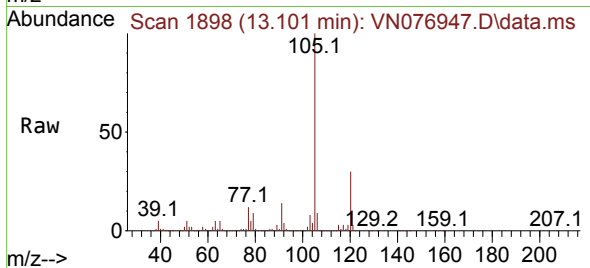
33907

Tgt Ion: 91 Resp: 195754

Ion Ratio Lower Upper

91 100

126 0.0 17.7 53.1#



#80

1,3,5-Trimethylbenzene

Concen: 33.357 ug/l

RT: 13.177 min Scan# 1911

Delta R.T. -0.000 min

Lab File: VN076947.D

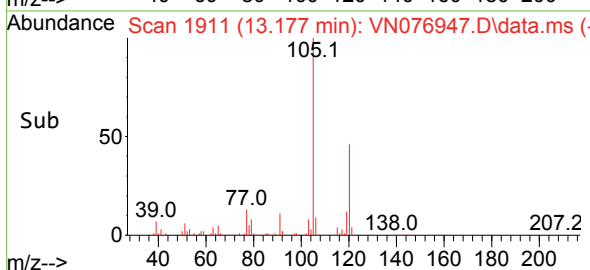
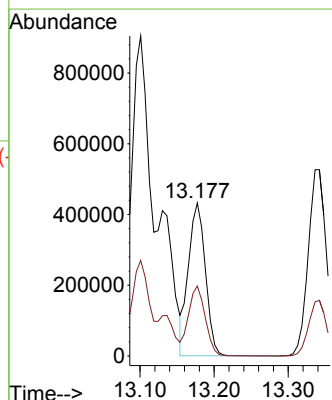
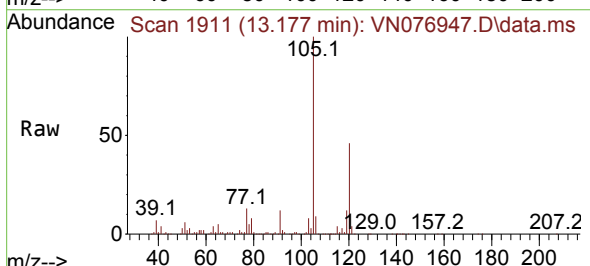
Acq: 11 Mar 2023 00:28

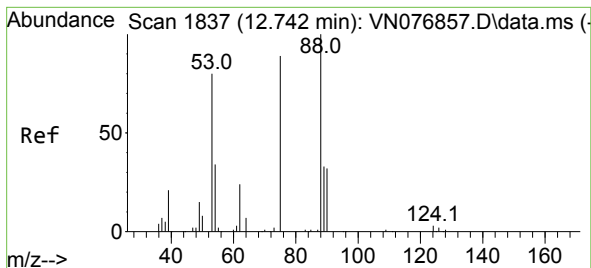
Tgt Ion: 105 Resp: 689696

Ion Ratio Lower Upper

105 100

120 44.9 25.2 75.6

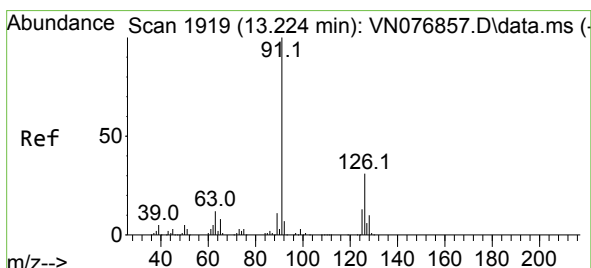
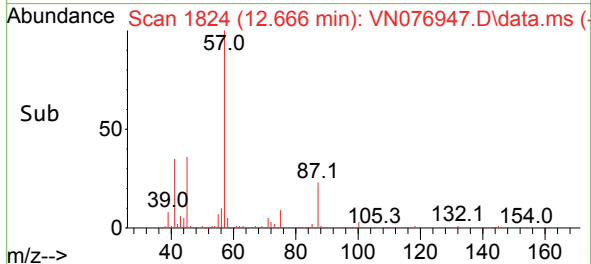
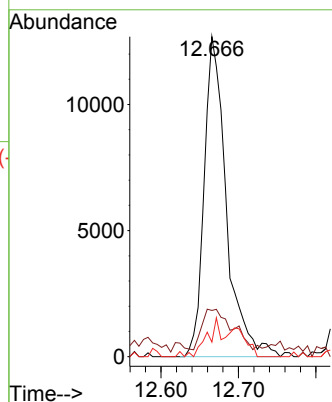
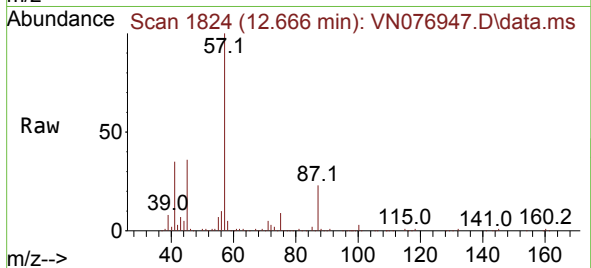




#81
 trans-1,4-Dichloro-2-butene
 Concen: 12.523 ug/l
 RT: 12.666 min Scan# 11
 Delta R.T. -0.077 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

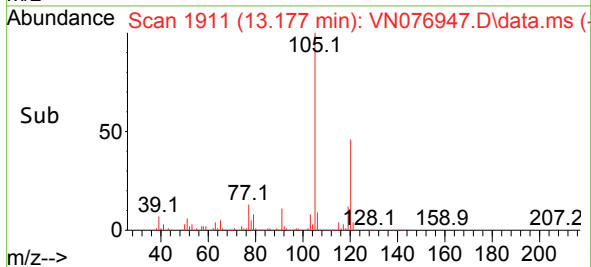
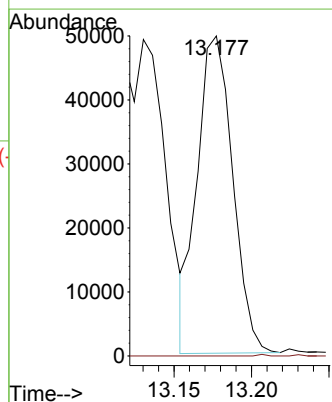
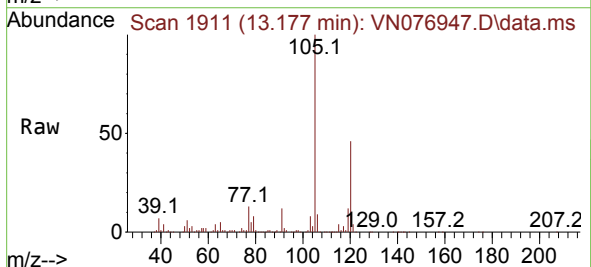
Instrument :
 MSVOA_N
 ClientSampleId :
 33907

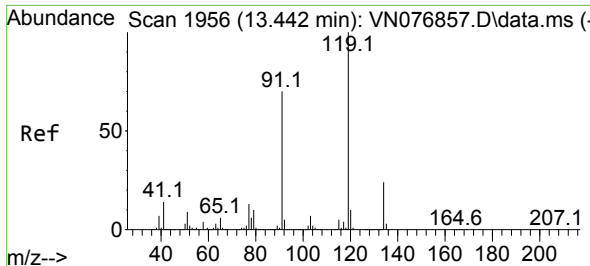
Tgt Ion: 75 Resp: 25319
 Ion Ratio Lower Upper
 75 100
 53 19.2 67.4 101.0#
 89 7.9 39.5 59.3#



#82
 4-Chlorotoluene
 Concen: 4.761 ug/l
 RT: 13.177 min Scan# 1911
 Delta R.T. -0.047 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

Tgt Ion: 91 Resp: 78859
 Ion Ratio Lower Upper
 91 100
 126 0.0 18.0 54.0#

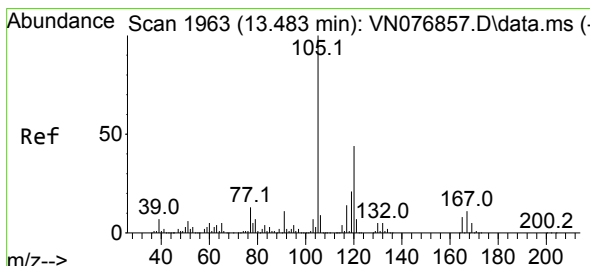
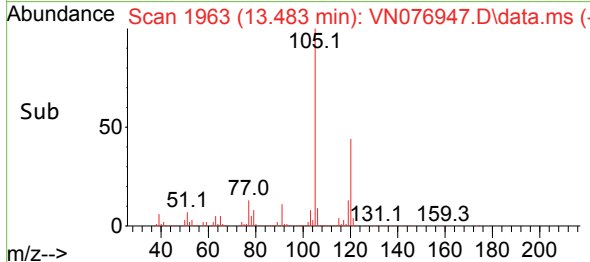
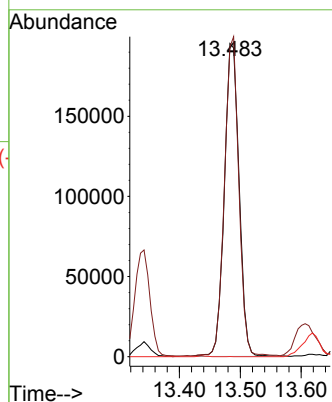
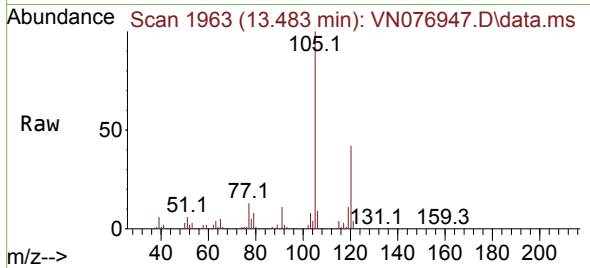




#83
 tert-Butylbenzene
 Concen: 18.665 ug/l
 RT: 13.483 min Scan# 1956
 Delta R.T. 0.041 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

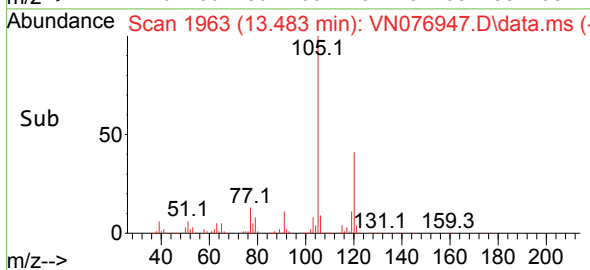
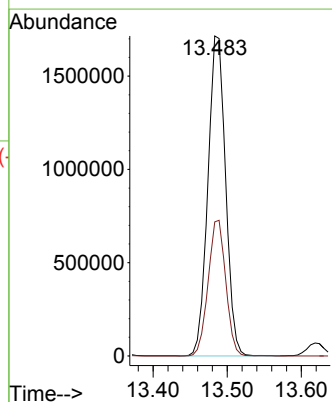
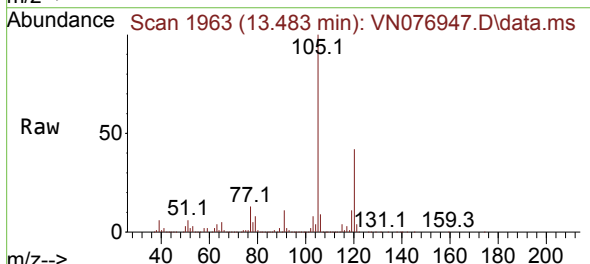
Instrument :
 MSVOA_N
 ClientSampleId :
 33907

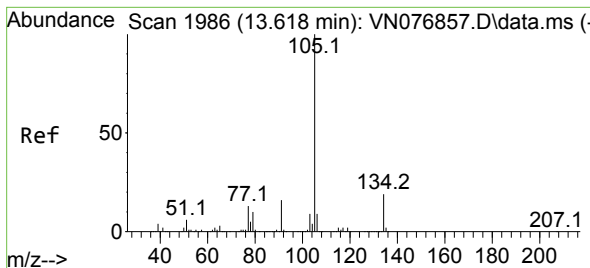
Tgt Ion:119 Resp: 327863
 Ion Ratio Lower Upper
 119 100
 91 99.2 31.9 95.5#
 134 0.0 13.8 41.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 137.317 ug/l
 RT: 13.483 min Scan# 1963
 Delta R.T. -0.000 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

Tgt Ion:105 Resp: 2840586
 Ion Ratio Lower Upper
 105 100
 120 42.3 23.6 70.8





#85

sec-Butylbenzene

Concen: 4.662 ug/l

RT: 13.618 min Scan# 1986

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

Instrument :

MSVOA_N

ClientSampleId :

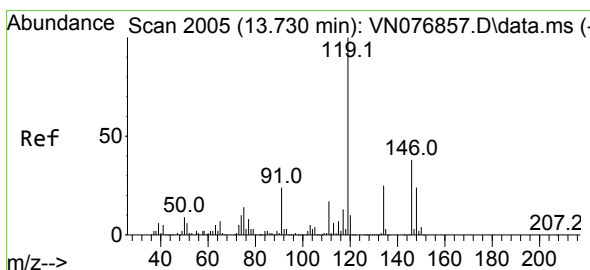
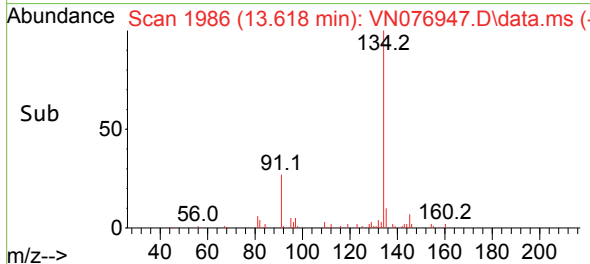
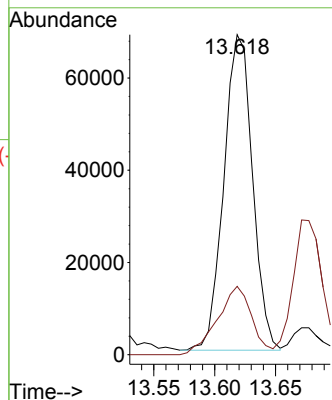
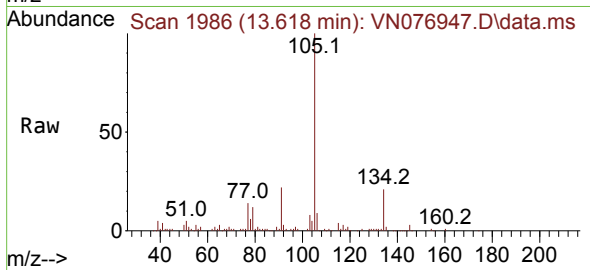
33907

Tgt Ion:105 Resp: 112252

Ion Ratio Lower Upper

105 100

134 25.9 10.4 31.2



#86

p-Isopropyltoluene

Concen: 4.106 ug/l

RT: 13.730 min Scan# 2005

Delta R.T. -0.000 min

Lab File: VN076947.D

Acq: 11 Mar 2023 00:28

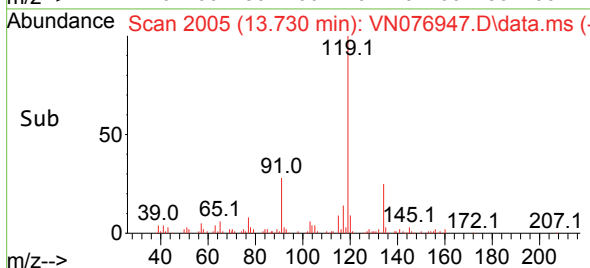
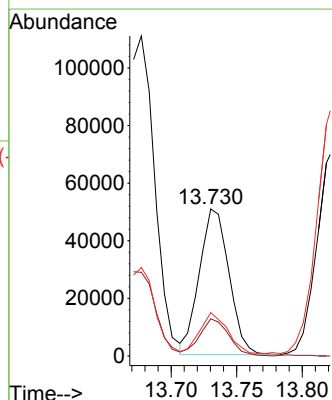
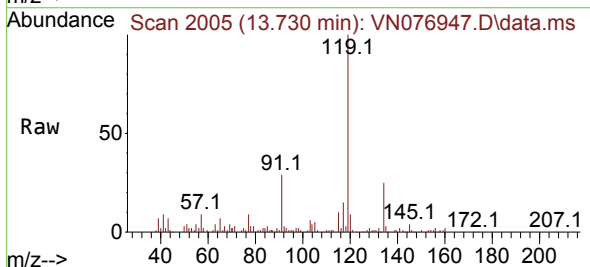
Tgt Ion:119 Resp: 79830

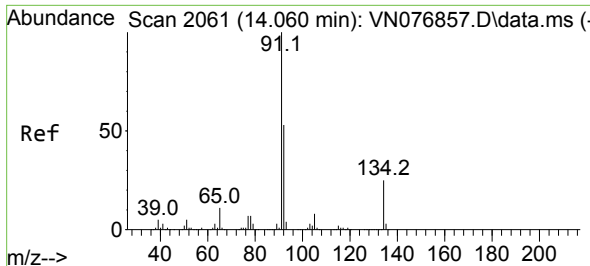
Ion Ratio Lower Upper

119 100

134 25.2 13.5 40.5

91 26.2 11.2 33.6

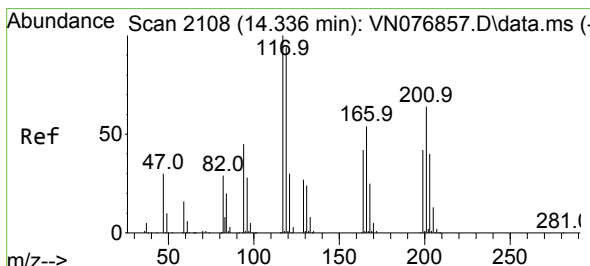
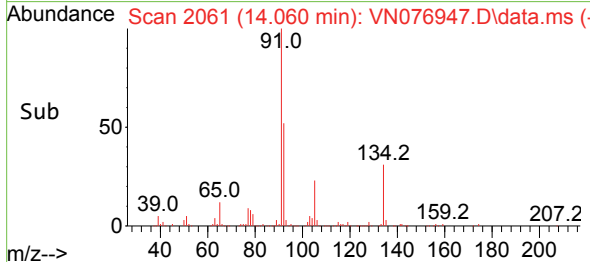
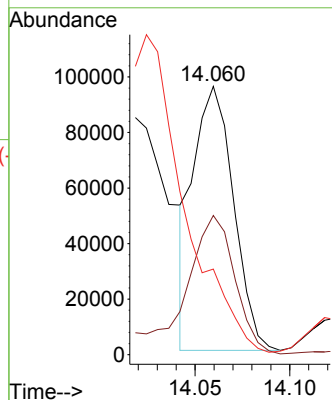
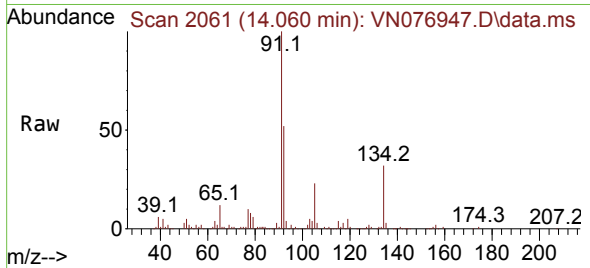




#89
n-Butylbenzene
Concen: 8.600 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

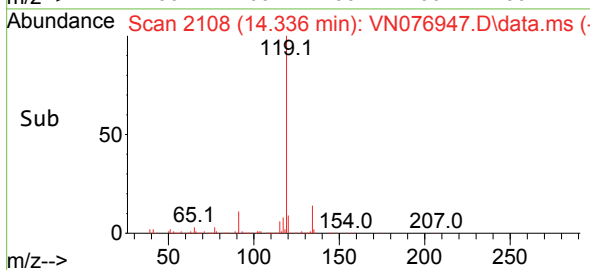
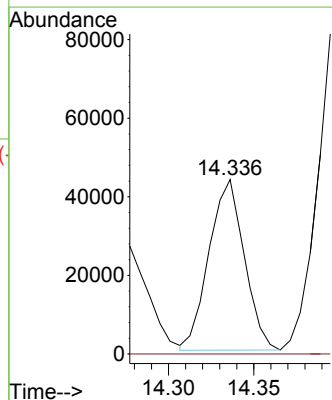
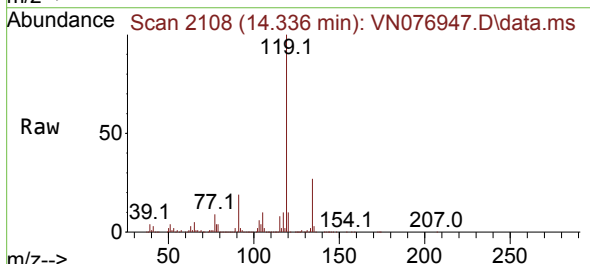
Instrument :
MSVOA_N
ClientSampleId :
33907

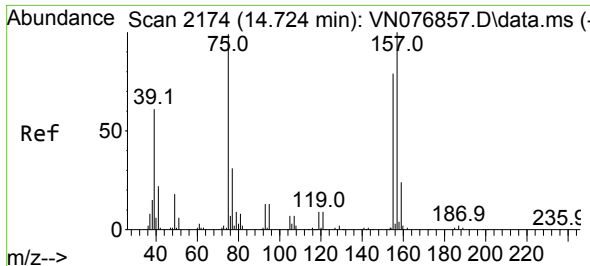
Tgt Ion: 91 Resp: 139544
Ion Ratio Lower Upper
91 100
92 61.4 26.6 79.7
134 0.0 13.6 40.7#



#90
Hexachloroethane
Concen: 16.725 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. -0.000 min
Lab File: VN076947.D
Acq: 11 Mar 2023 00:28

Tgt Ion: 117 Resp: 62487
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.7#

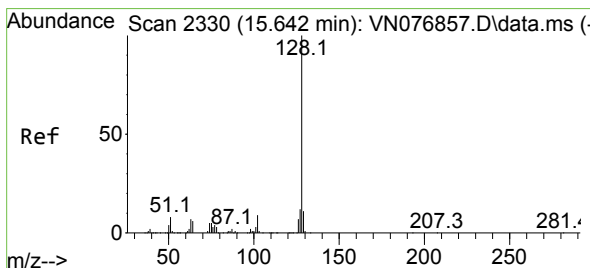
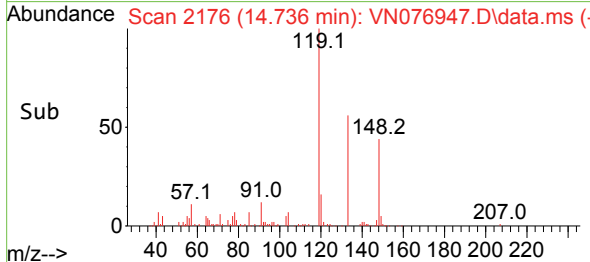
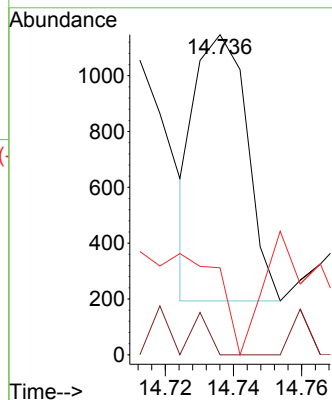
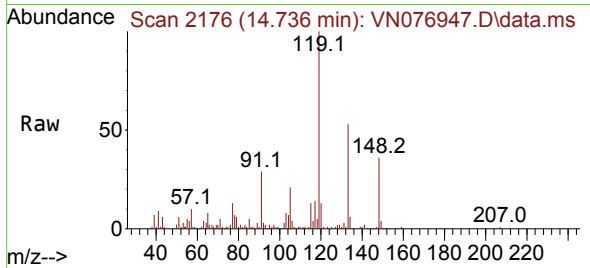




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.635 ug/l
 RT: 14.736 min Scan# 2176
 Delta R.T. 0.012 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

Instrument :
 MSVOA_N
 ClientSampleId :
 33907

Tgt Ion: 75 Resp: 1002
 Ion Ratio Lower Upper
 75 100
 155 11.5 44.3 132.8#
 157 0.0 58.3 174.8#



#95
 Naphthalene
 Concen: 55.847 ug/l
 RT: 15.642 min Scan# 2330
 Delta R.T. -0.000 min
 Lab File: VN076947.D
 Acq: 11 Mar 2023 00:28

Tgt Ion: 128 Resp: 918198
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.2 15.4
 129 11.2 8.9 13.3

