

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122922\
 Data File : VN076052.D
 Acq On : 29 Dec 2022 16:30
 Operator : JC\MD
 Sample : N6213-02DL 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-2DL

Quant Time: Dec 30 05:35:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

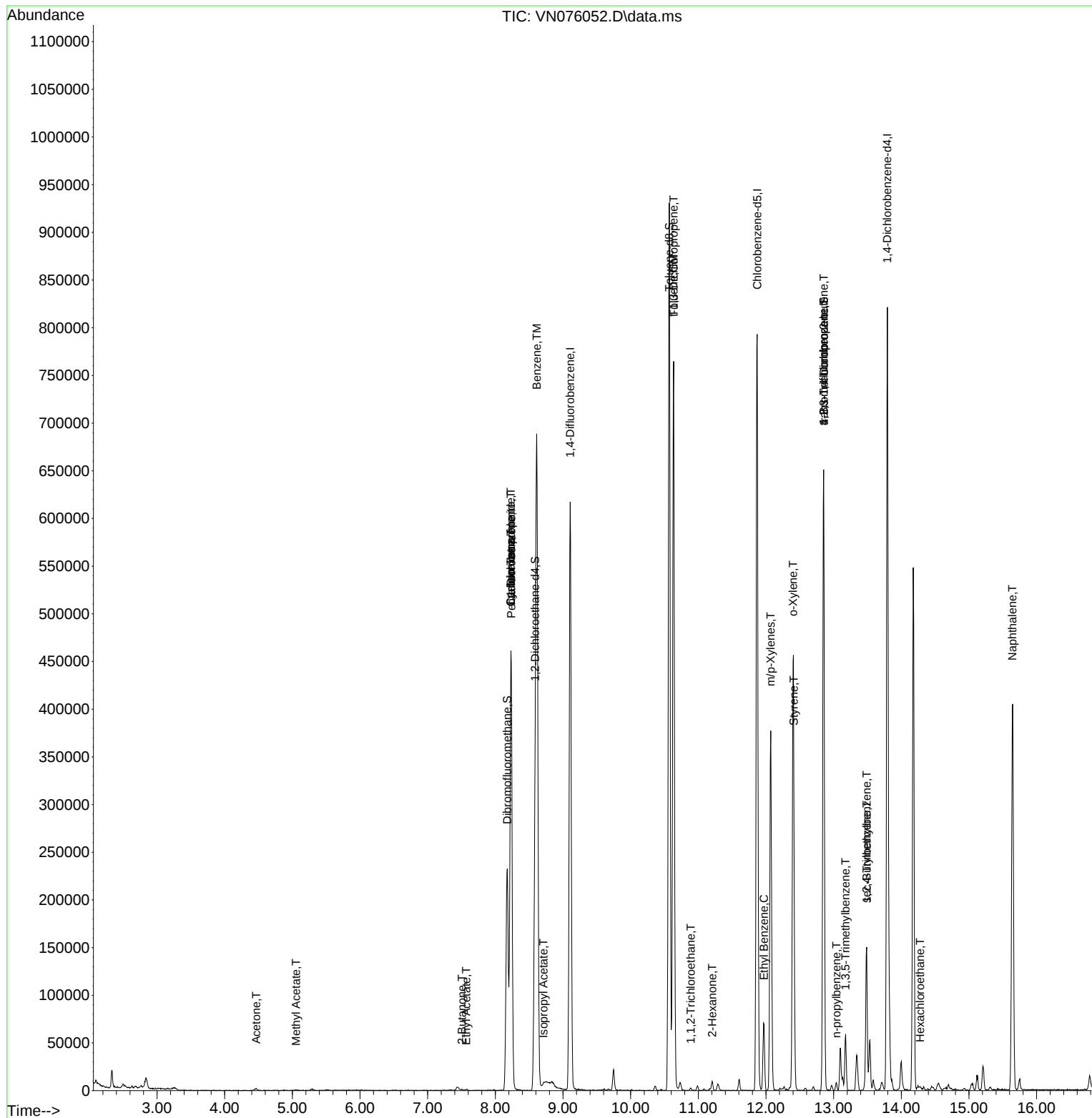
Internal Standards						
1) Pentafluorobenzene	8.235	168	366997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	578980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	500119	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	229111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	182584	45.731	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.460%		
35) Dibromofluoromethane	8.177	113	169789	47.354	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.700%		
50) Toluene-d8	10.571	98	660355	49.258	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.520%		
62) 4-Bromofluorobenzene	12.853	95	215124	48.449	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.900%		
Target Compounds					Qvalue	
16) Acetone	4.465	43	3563	2.589	ug/l #	83
18) Methyl Acetate	5.053	43	1138	0.280	ug/l #	58
20) Methylene Chloride	5.294	84	1046	Below Cal	#	63
25) 2-Butanone	7.506	43	1756	0.911	ug/l	95
31) Cyclohexane	8.230	56	8681	1.518	ug/l #	9
36) 1,1-Dichloropropene	8.230	75	25222	5.295	ug/l #	49
37) Ethyl Acetate	7.571	43	1980	0.518	ug/l #	77
38) Carbon Tetrachloride	8.230	117	34778	6.524	ug/l #	17
40) Benzene	8.612	78	691146	47.031	ug/l	100
43) Isopropyl Acetate	8.712	43	8881	1.407	ug/l #	58
52) Toluene	10.635	92	355946	37.190	ug/l	100
53) t-1,3-Dichloropropene	10.635	75	3730	0.733	ug/l #	1
55) 1,1,2-Trichloroethane	10.888	97	1899	0.506	ug/l #	27
59) 2-Hexanone	11.206	43	1724	0.619	ug/l #	44
67) Ethyl Benzene	11.971	91	54037	3.119	ug/l	97
68) m/p-Xylenes	12.070	106	125656	18.325	ug/l	98
69) o-Xylene	12.400	106	126138	18.589	ug/l	99
70) Styrene	12.412	104	52568	4.872	ug/l #	72
76) 1,2,3-Trichloropropane	12.853	75	108953	23.591	ug/l #	1
78) n-propylbenzene	13.041	91	6984	0.382	ug/l	93
80) 1,3,5-Trimethylbenzene	13.176	105	32275	2.329	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.853	75	108953	84.918	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.488	105	88247	6.420	ug/l	100
85) sec-Butylbenzene	13.488	105	88247	5.233	ug/l #	56
90) Hexachloroethane	14.276	117	1223	0.487	ug/l #	11
95) Naphthalene	15.641	128	405157	33.256	ug/l	100

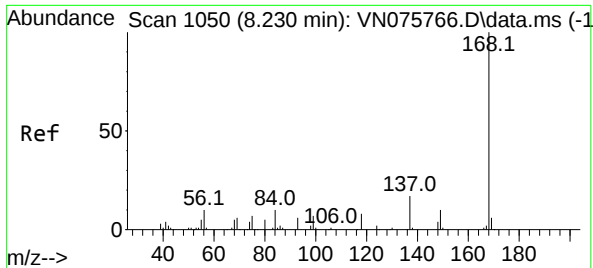
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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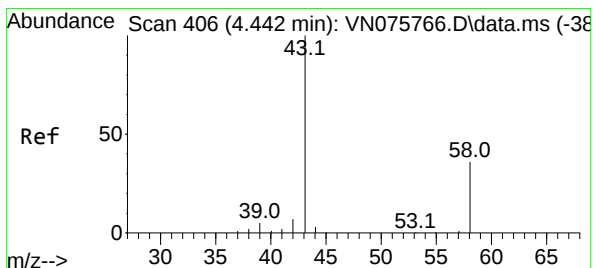
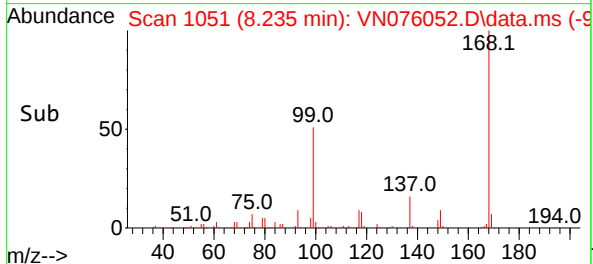
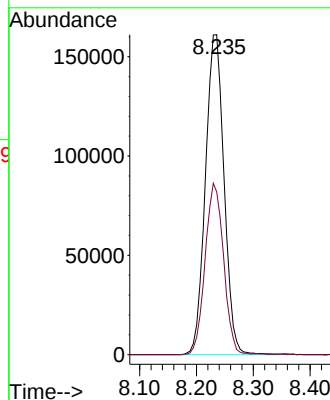
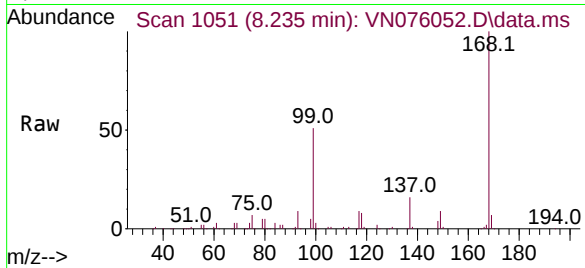




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. 0.005 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

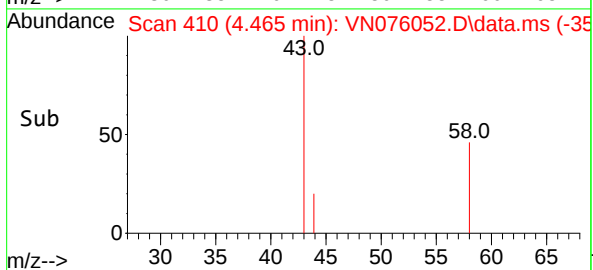
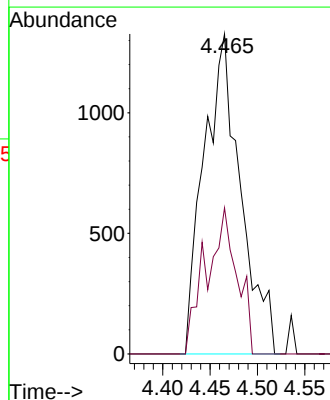
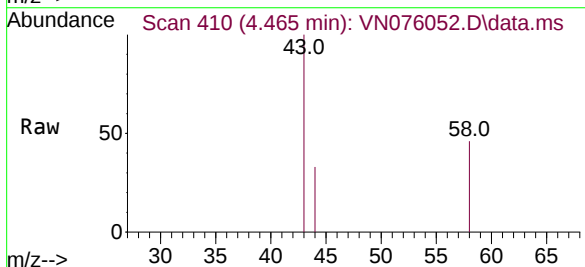
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

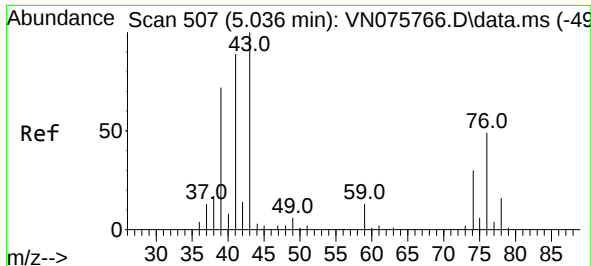
Tgt Ion:168 Resp: 366997
Ion Ratio Lower Upper
168 100
99 50.9 44.2 66.4



#16
Acetone
Concen: 2.589 ug/l
RT: 4.465 min Scan# 410
Delta R.T. 0.024 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion: 43 Resp: 3563
Ion Ratio Lower Upper
43 100
58 45.7 28.6 43.0#

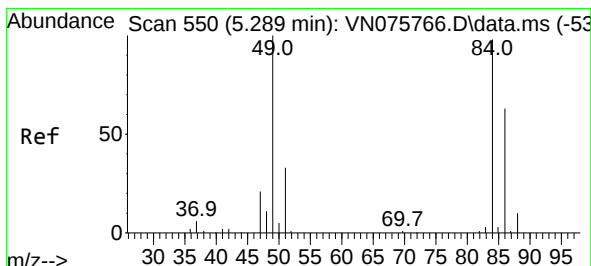
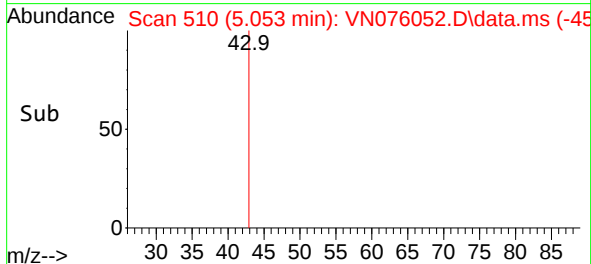
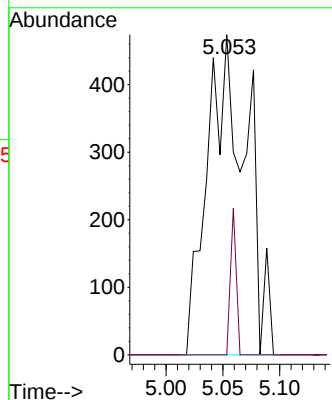
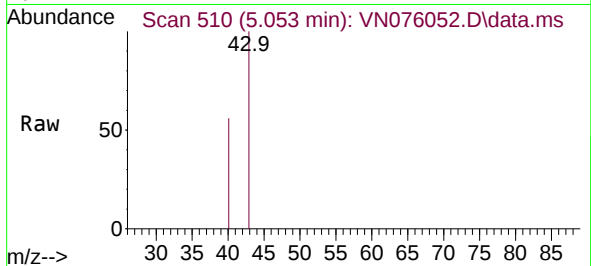




#18
Methyl Acetate
Concen: 0.280 ug/l
RT: 5.053 min Scan# 510
Delta R.T. 0.018 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

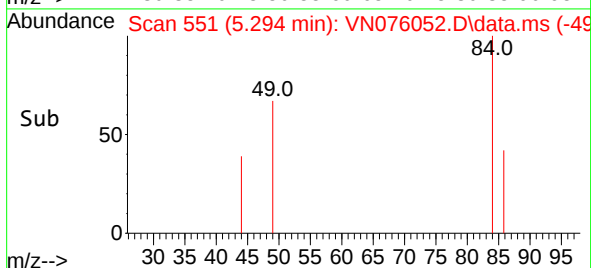
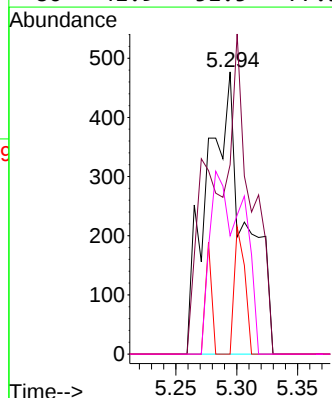
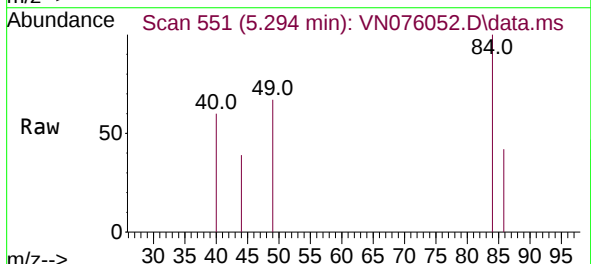
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

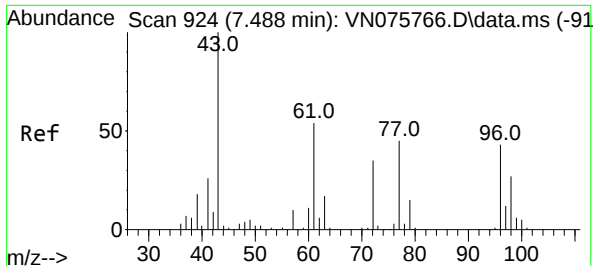
Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
74 6.8 23.6 35.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.294 min Scan# 551
Delta R.T. 0.005 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion: 84 Resp: 1046
Ion Ratio Lower Upper
84 100
49 67.1 81.8 122.6#
51 0.0 26.7 40.1#
86 41.9 51.5 77.3#





#25

2-Butanone

Concen: 0.911 ug/l

RT: 7.506 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN076052.D

Acq: 29 Dec 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

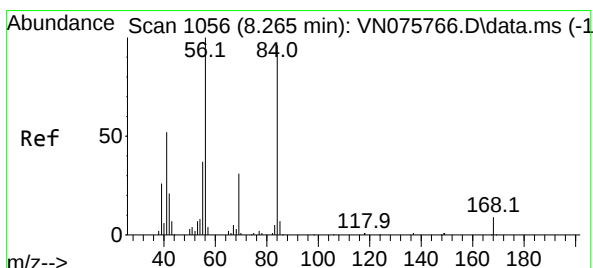
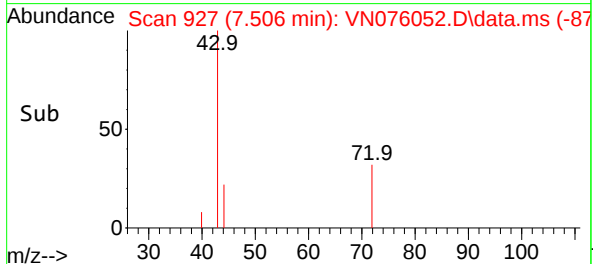
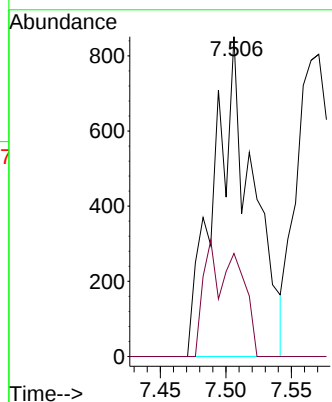
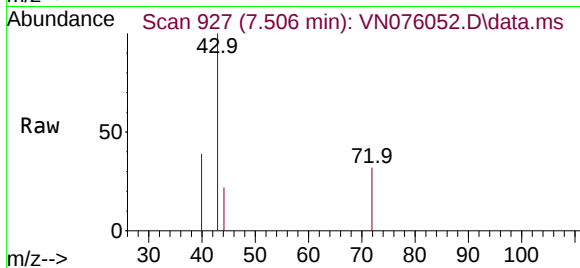
SB-2DL

Tgt Ion: 43 Resp: 1756

Ion Ratio Lower Upper

43 100

72 32.2 28.0 42.0



#31

Cyclohexane

Concen: 1.518 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN076052.D

Acq: 29 Dec 2022 16:30

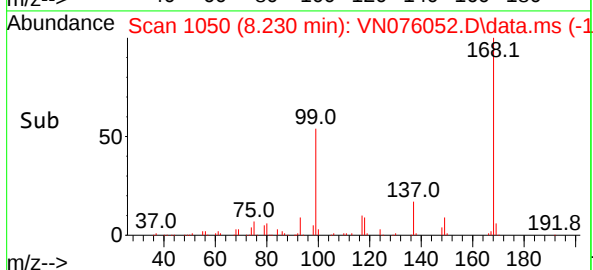
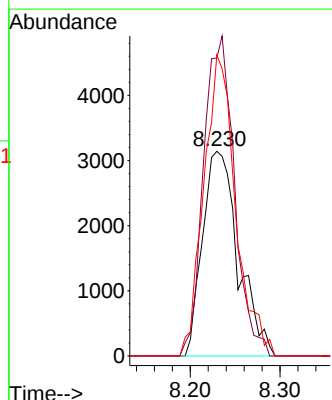
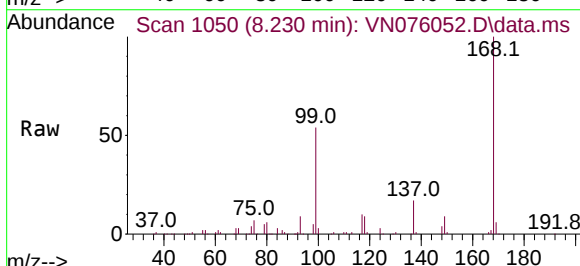
Tgt Ion: 56 Resp: 8681

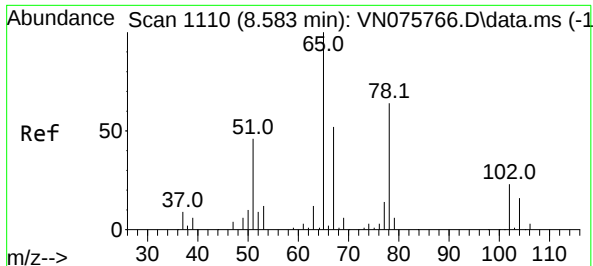
Ion Ratio Lower Upper

56 100

69 145.5 24.7 37.1#

84 147.1 76.5 114.7#





#33

1,2-Dichloroethane-d4

Concen: 45.731 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN076052.D

Acq: 29 Dec 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

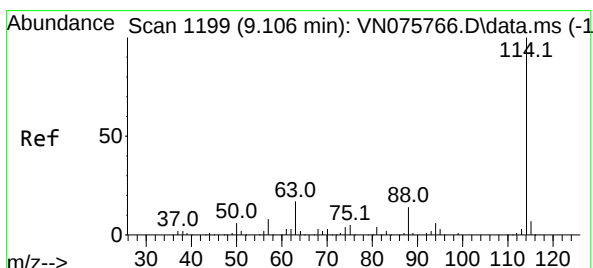
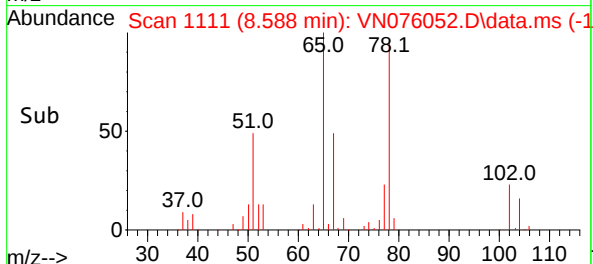
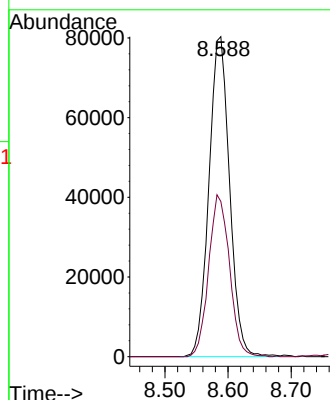
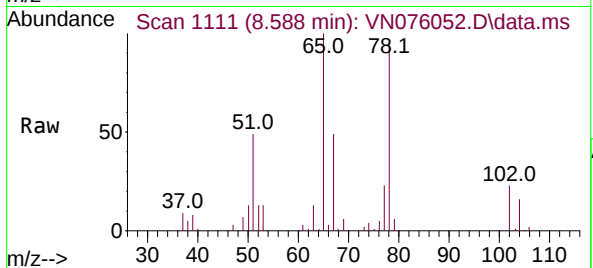
SB-2DL

Tgt Ion: 65 Resp: 182584

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076052.D

Acq: 29 Dec 2022 16:30

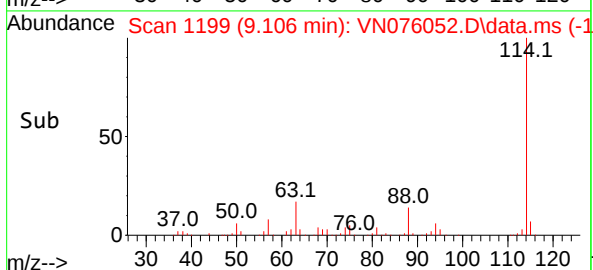
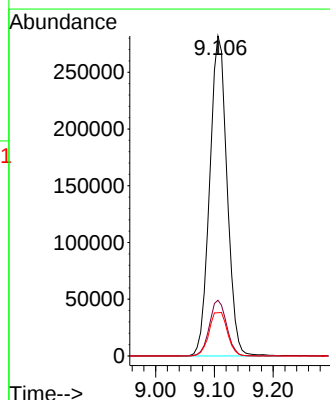
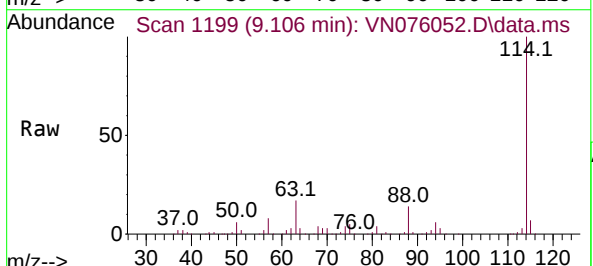
Tgt Ion: 114 Resp: 578980

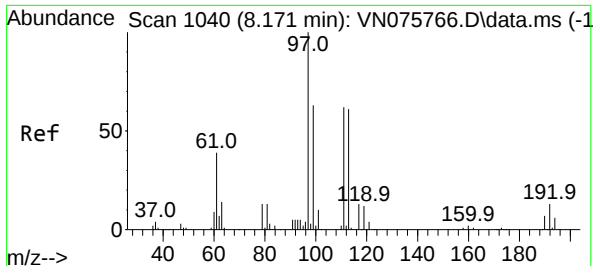
Ion Ratio Lower Upper

114 100

63 17.4 0.0 34.4

88 13.5 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.354 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN076052.D

Acq: 29 Dec 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

SB-2DL

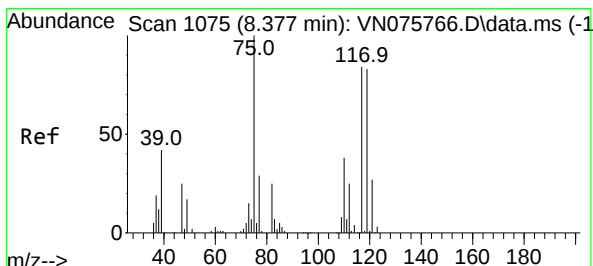
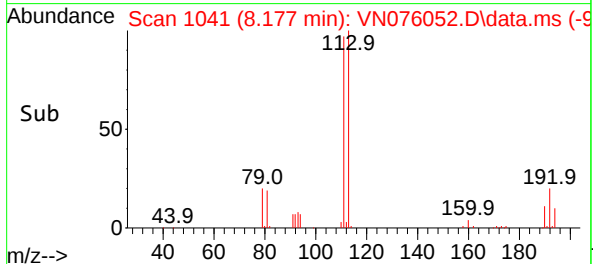
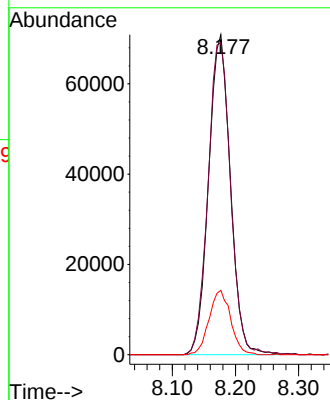
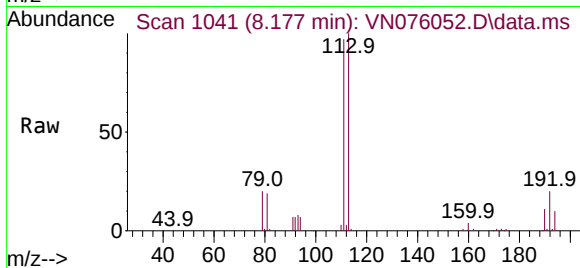
Tgt Ion:113 Resp: 169789

Ion Ratio Lower Upper

113 100

111 101.4 83.4 125.2

192 19.9 16.1 24.1



#36

1,1-Dichloropropene

Concen: 5.295 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.147 min

Lab File: VN076052.D

Acq: 29 Dec 2022 16:30

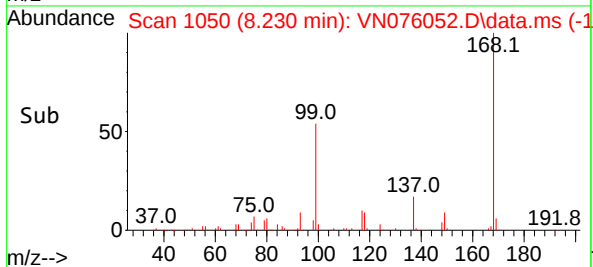
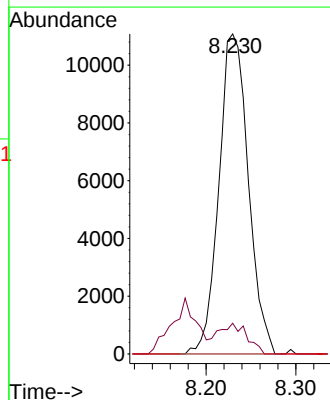
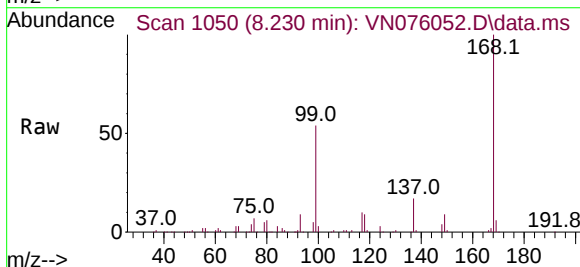
Tgt Ion: 75 Resp: 25222

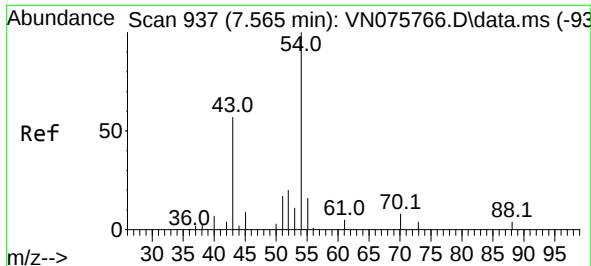
Ion Ratio Lower Upper

75 100

110 9.0 18.8 56.4#

77 0.0 24.1 36.1#

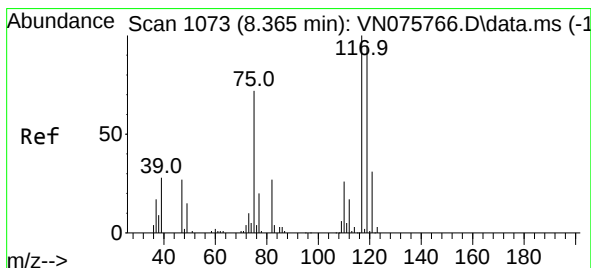
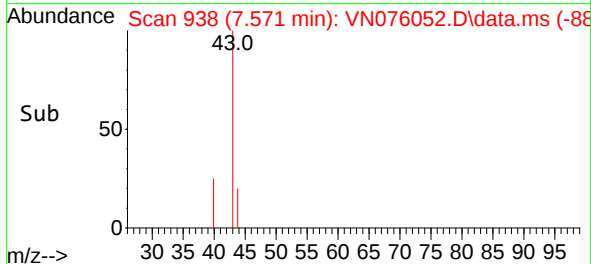
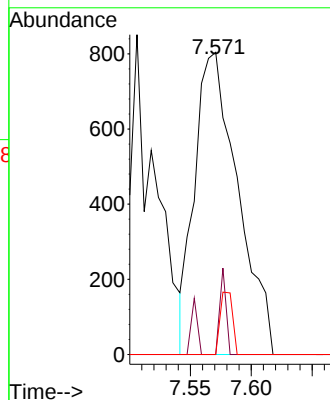
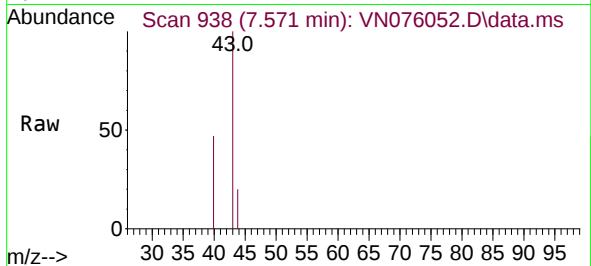




#37
Ethyl Acetate
Concen: 0.518 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

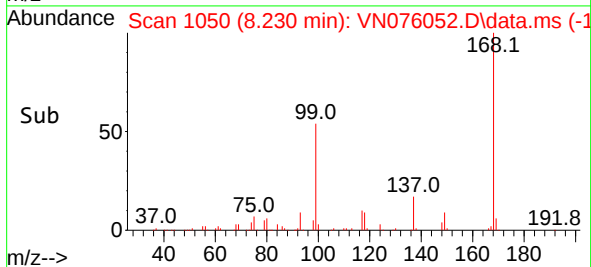
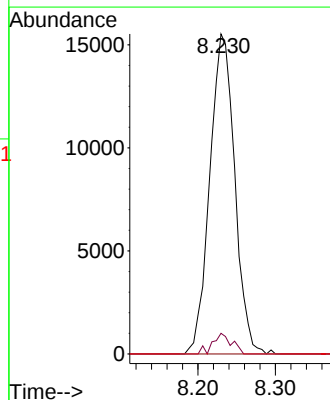
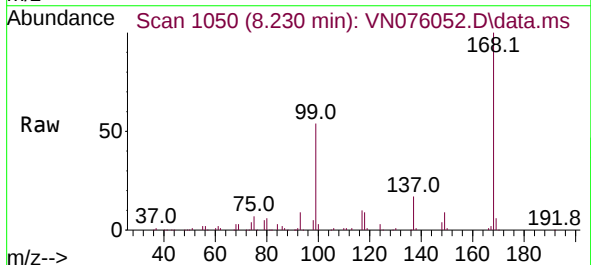
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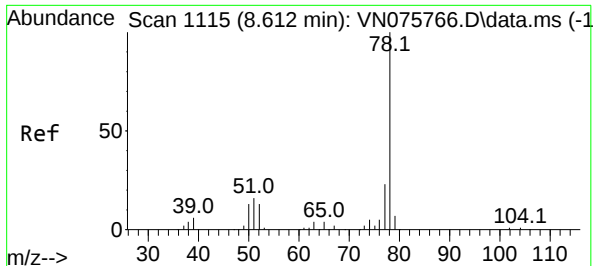
Tgt Ion: 43 Resp: 1980
Ion Ratio Lower Upper
43 100
61 4.1 13.0 19.4#
70 5.9 9.4 14.0#



#38
Carbon Tetrachloride
Concen: 6.524 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.135 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion: 117 Resp: 34778
Ion Ratio Lower Upper
117 100
119 6.5 76.1 114.1#
121 0.0 24.5 36.7#





#40

Benzene

Concen: 47.031 ug/l

RT: 8.612 min Scan# 1115

Delta R.T. -0.000 min

Lab File: VN076052.D

Acq: 29 Dec 2022 16:30

Instrument :

MSVOA_N

ClientSampleId :

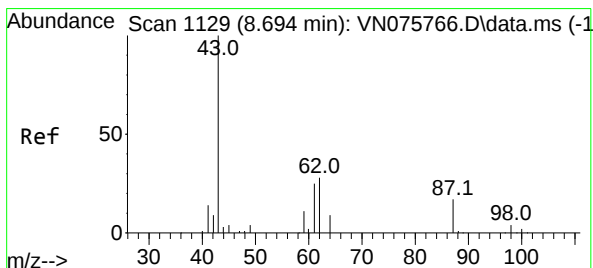
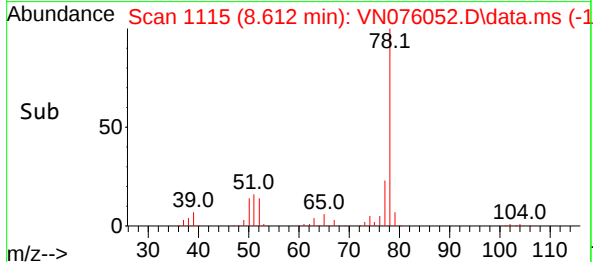
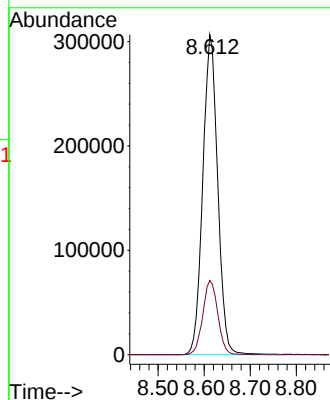
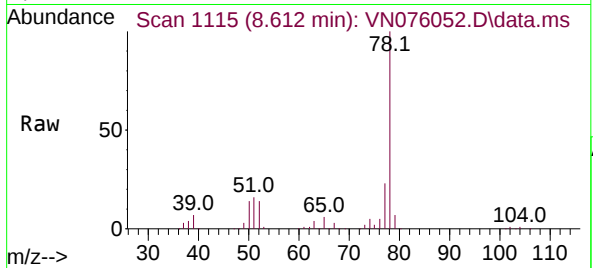
SB-2DL

Tgt Ion: 78 Resp: 691146

Ion Ratio Lower Upper

78 100

77 23.2 18.5 27.7



#43

Isopropyl Acetate

Concen: 1.407 ug/l

RT: 8.712 min Scan# 1132

Delta R.T. 0.018 min

Lab File: VN076052.D

Acq: 29 Dec 2022 16:30

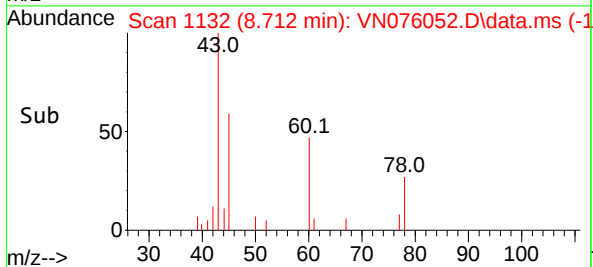
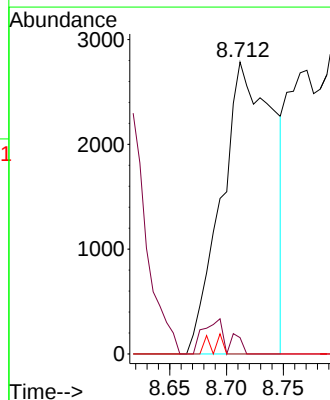
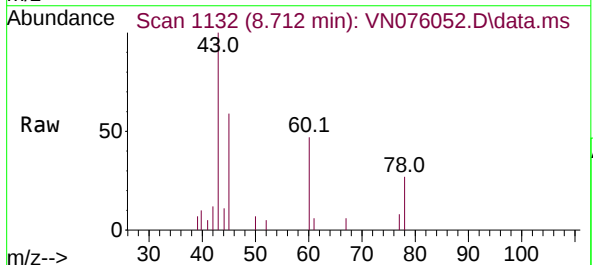
Tgt Ion: 43 Resp: 8881

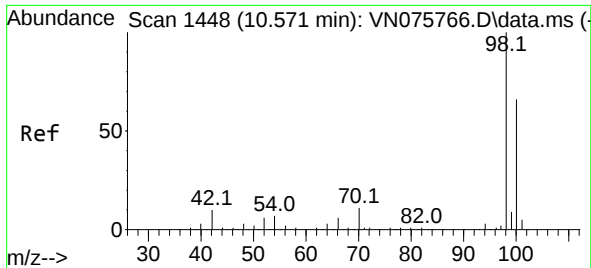
Ion Ratio Lower Upper

43 100

61 5.7 24.2 36.4#

87 1.5 13.3 19.9#

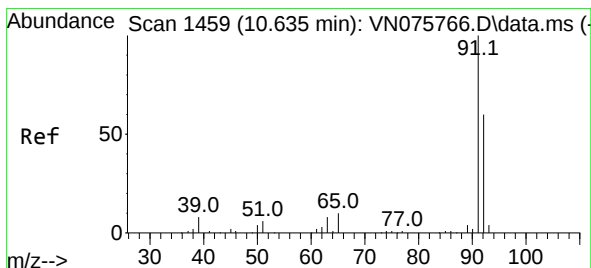
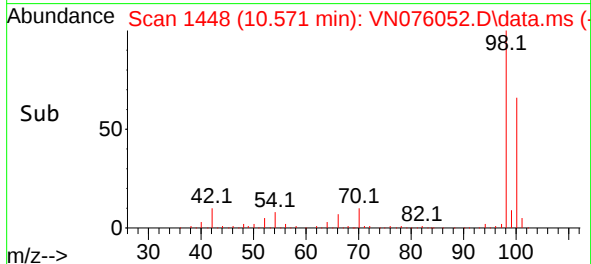
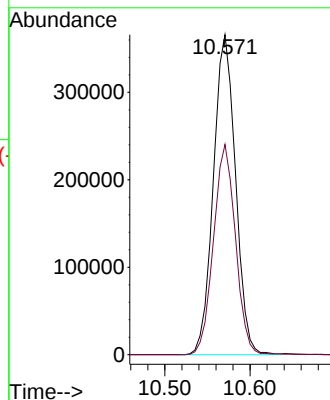
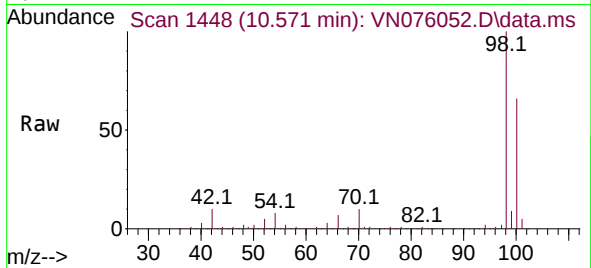




#50
Toluene-d8
Concen: 49.258 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

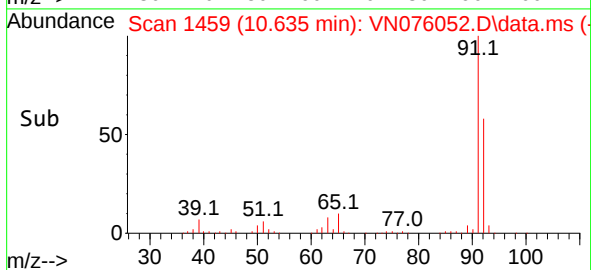
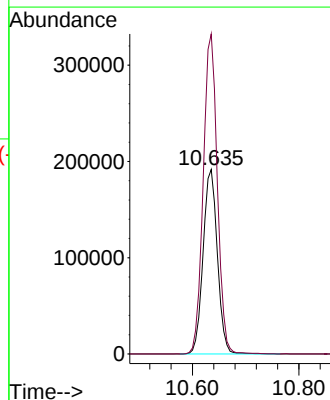
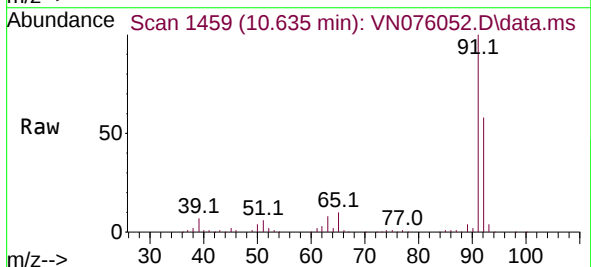
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

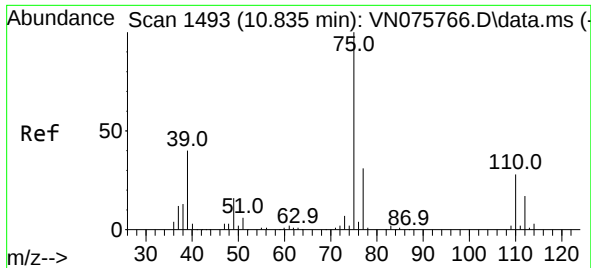
Tgt Ion: 98 Resp: 660355
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1



#52
Toluene
Concen: 37.190 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion: 92 Resp: 355946
Ion Ratio Lower Upper
92 100
91 171.5 137.3 205.9

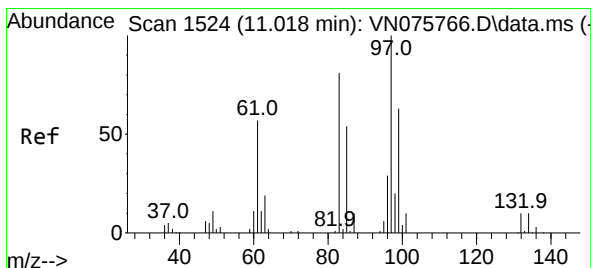
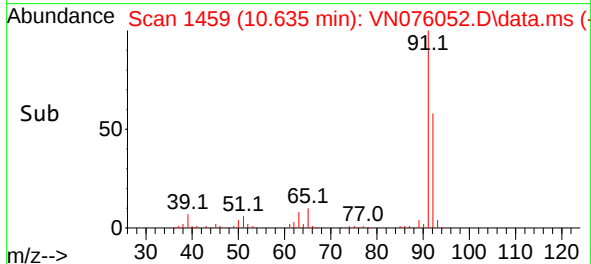
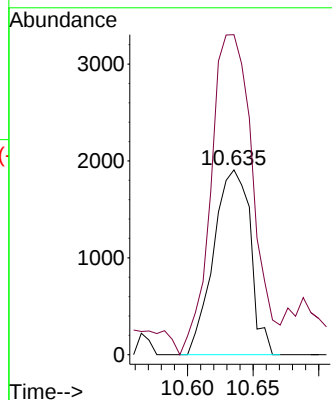
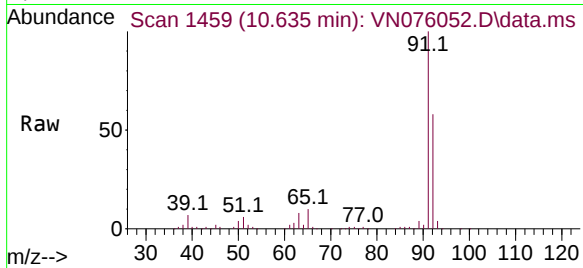




#53
t-1,3-Dichloropropene
Concen: 0.733 ug/l
RT: 10.635 min Scan# 1493
Delta R.T. -0.200 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

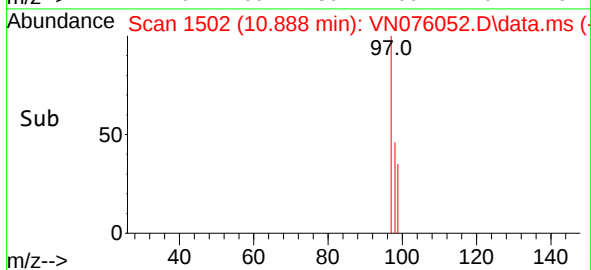
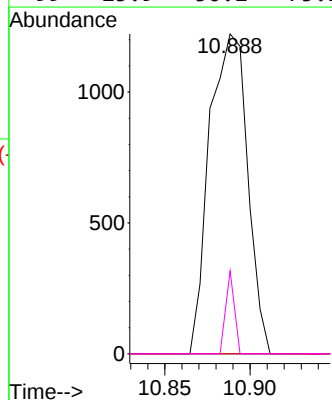
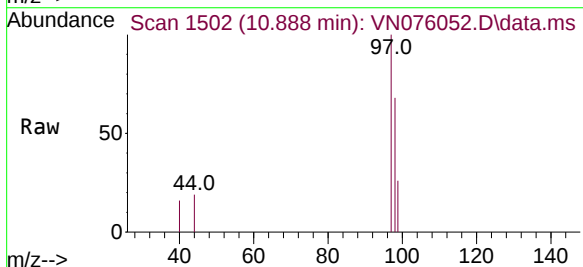
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

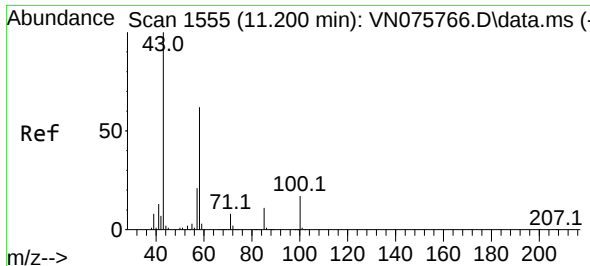
Tgt Ion: 75 Resp: 3730
Ion Ratio Lower Upper
75 100
77 173.1 24.9 37.3#



#55
1,1,2-Trichloroethane
Concen: 0.506 ug/l
RT: 10.888 min Scan# 1502
Delta R.T. -0.129 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion: 97 Resp: 1899
Ion Ratio Lower Upper
97 100
83 0.0 65.0 97.4#
85 0.0 43.0 64.6#
99 25.9 50.2 75.2#

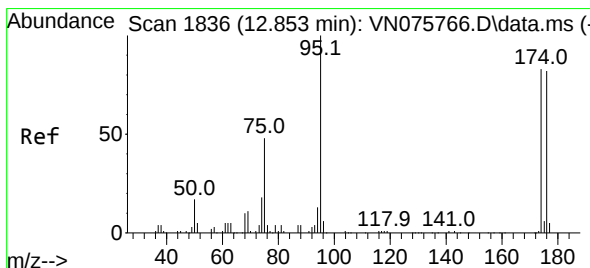
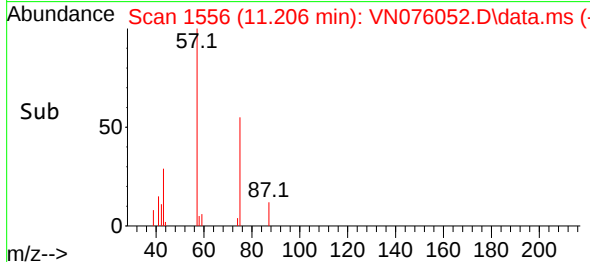
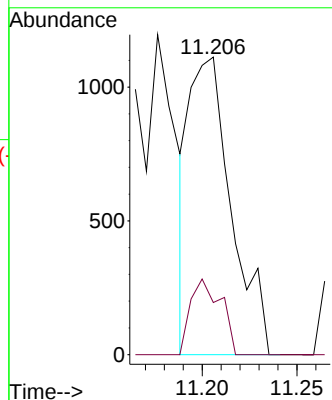
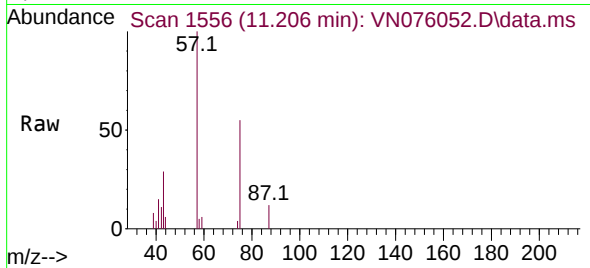




#59
2-Hexanone
Concen: 0.619 ug/l
RT: 11.206 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

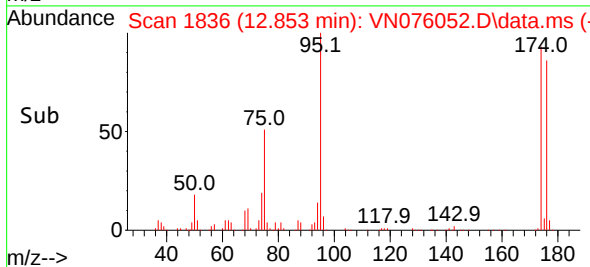
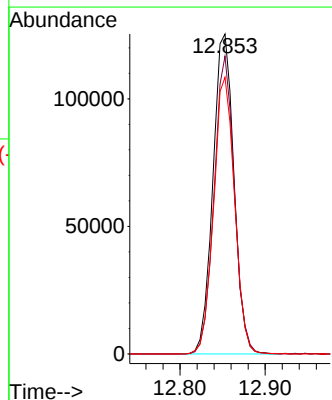
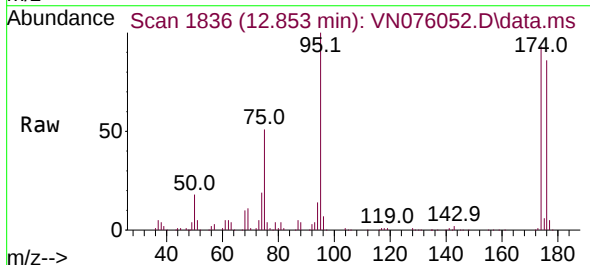
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

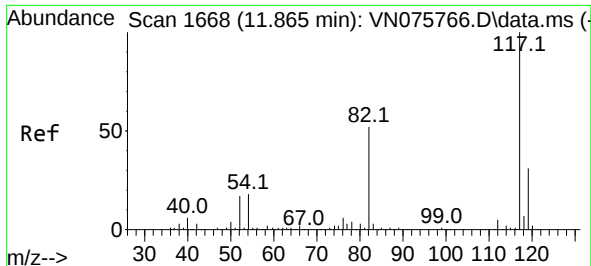
Tgt Ion: 43 Resp: 1724
Ion Ratio Lower Upper
43 100
58 18.4 30.6 92.0#



#62
4-Bromofluorobenzene
Concen: 48.449 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion: 95 Resp: 215124
Ion Ratio Lower Upper
95 100
174 89.7 0.0 171.6
176 86.0 0.0 169.2

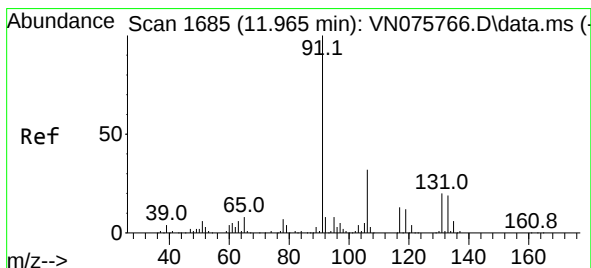
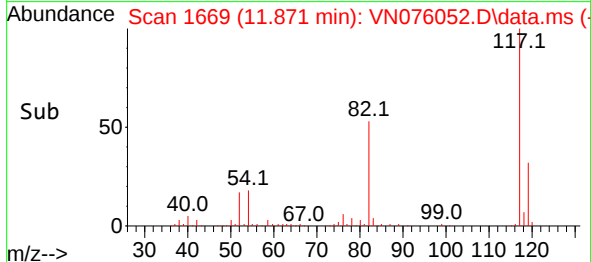
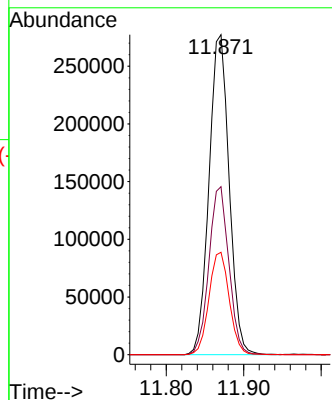
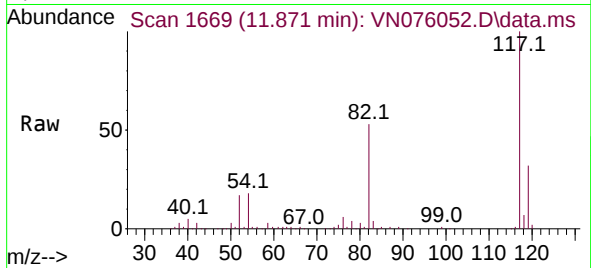




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 117
Delta R.T. 0.006 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

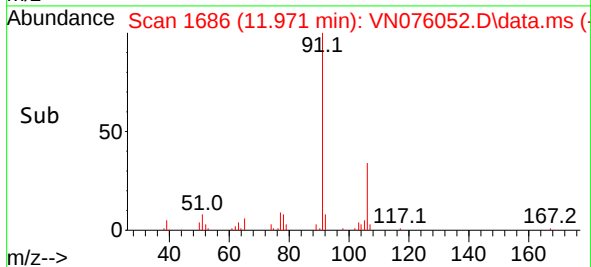
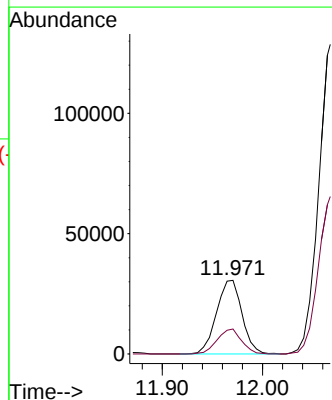
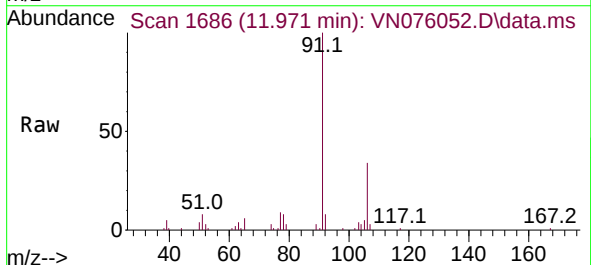
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

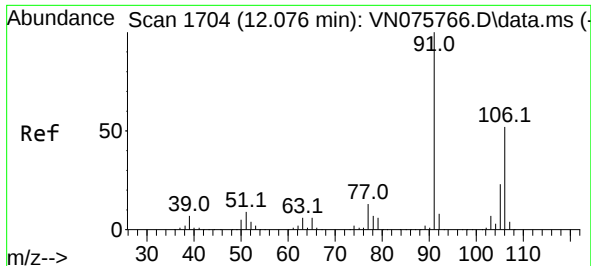
Tgt Ion:117 Resp: 500119
Ion Ratio Lower Upper
117 100
82 52.5 41.3 61.9
119 32.0 24.6 37.0



#67
Ethyl Benzene
Concen: 3.119 ug/l
RT: 11.971 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion: 91 Resp: 54037
Ion Ratio Lower Upper
91 100
106 34.0 25.7 38.5

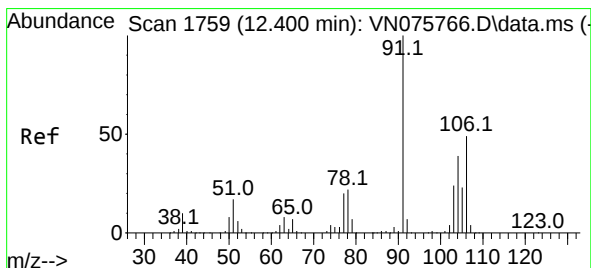
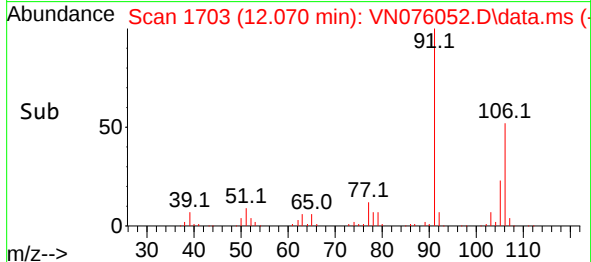
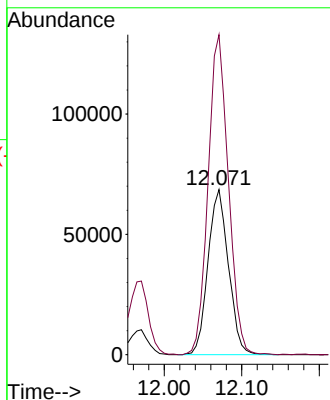
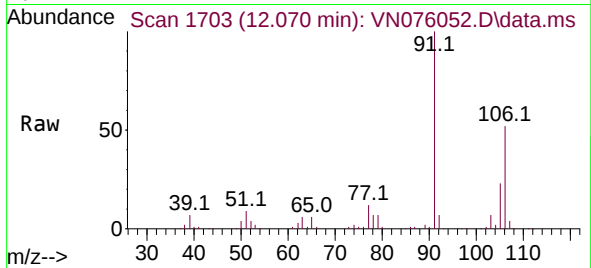




#68
m/p-Xylenes
Concen: 18.325 ug/l
RT: 12.070 min Scan# 1704
Delta R.T. -0.006 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

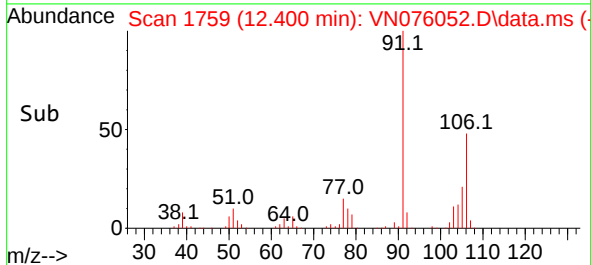
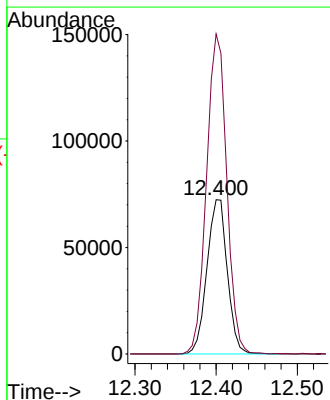
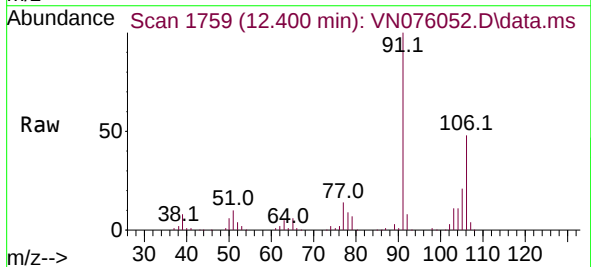
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

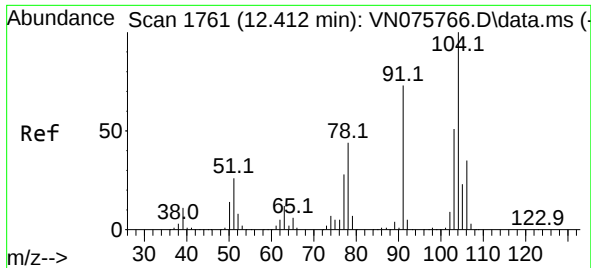
Tgt Ion:106 Resp: 125656
Ion Ratio Lower Upper
106 100
91 192.5 156.6 235.0



#69
o-Xylene
Concen: 18.589 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion:106 Resp: 126138
Ion Ratio Lower Upper
106 100
91 205.8 103.8 311.6

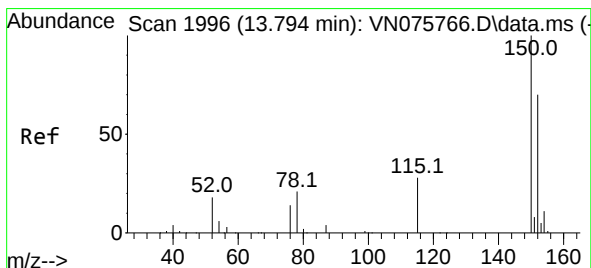
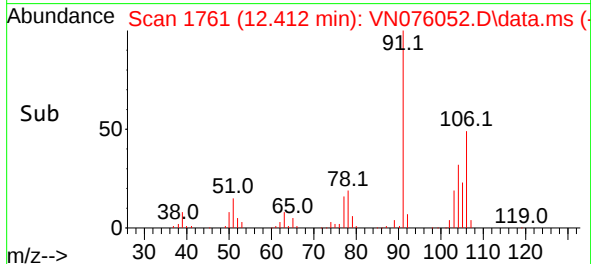
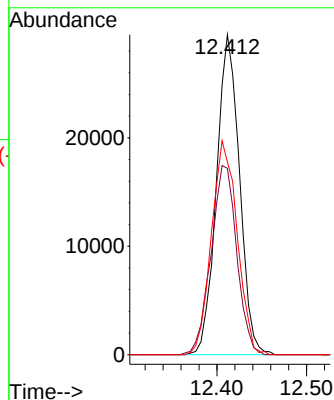
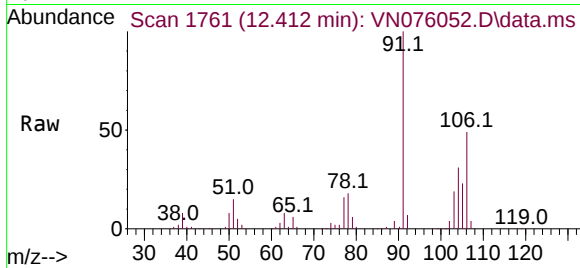




#70
Styrene
Concen: 4.872 ug/l
RT: 12.412 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

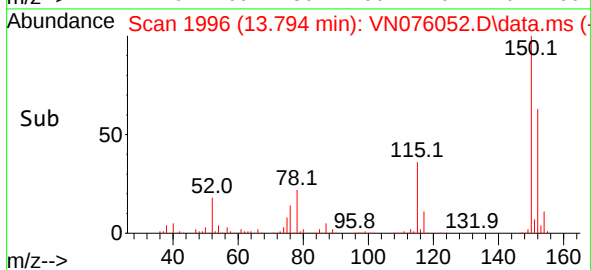
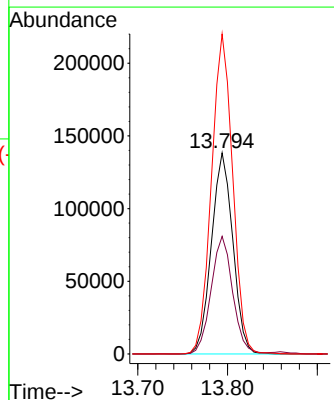
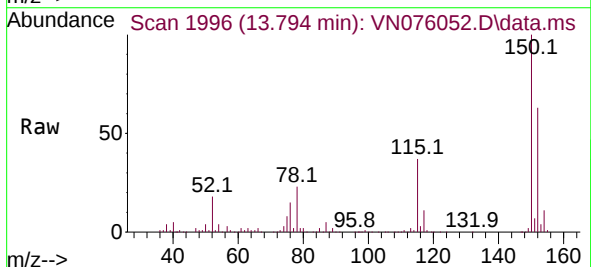
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

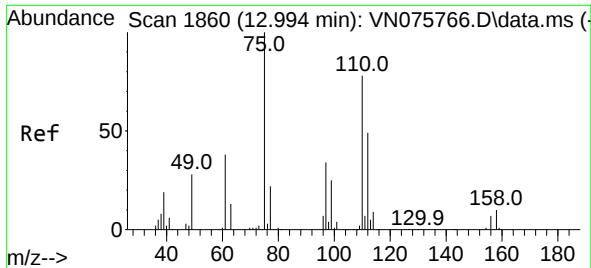
Tgt Ion:104 Resp: 52568
Ion Ratio Lower Upper
104 100
78 66.0 37.5 56.3#
103 74.5 43.5 65.3#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion:152 Resp: 229111
Ion Ratio Lower Upper
152 100
115 59.0 29.1 87.4
150 157.6 0.0 347.0

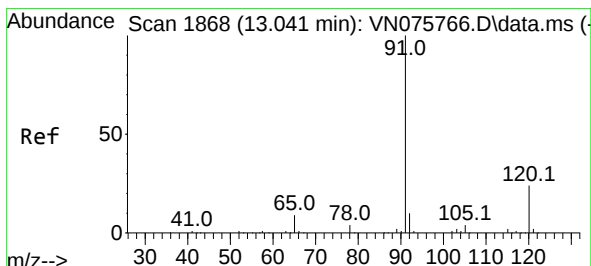
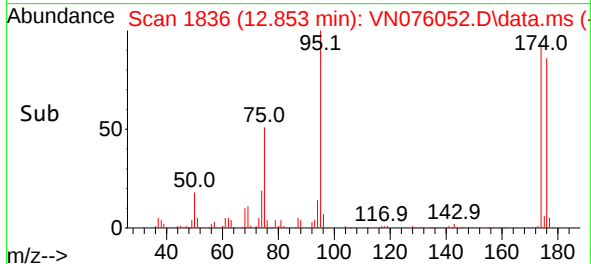
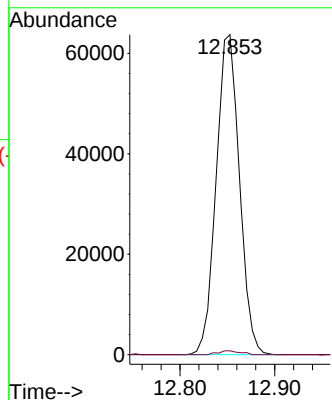
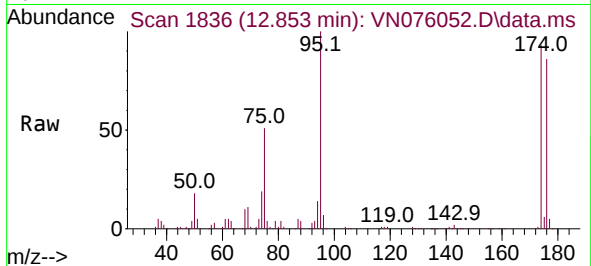




#76
1,2,3-Trichloropropane
Concen: 23.591 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

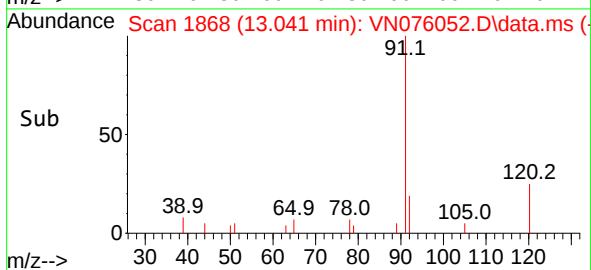
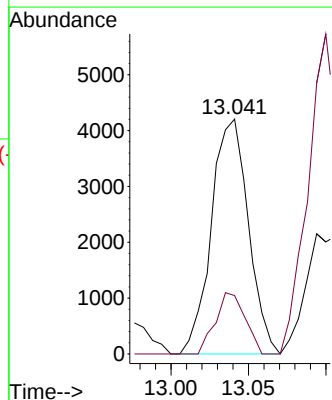
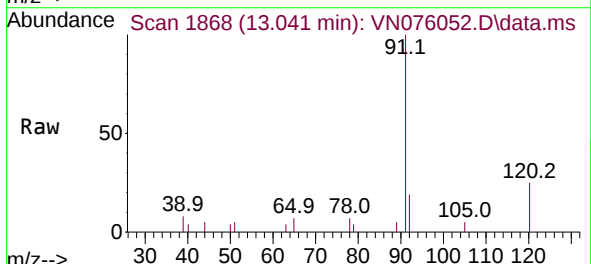
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

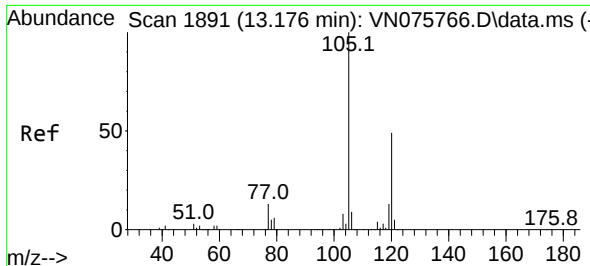
Tgt Ion: 75 Resp: 108953
Ion Ratio Lower Upper
75 100
77 1.2 82.6 247.8#



#78
n-propylbenzene
Concen: 0.382 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion: 91 Resp: 6984
Ion Ratio Lower Upper
91 100
120 20.8 12.0 36.1

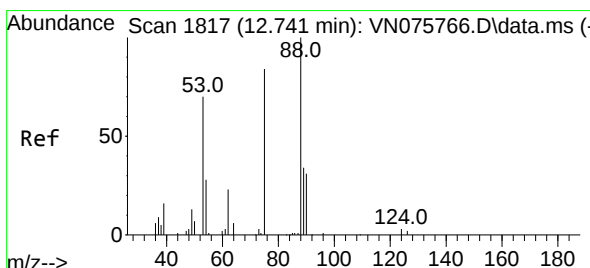
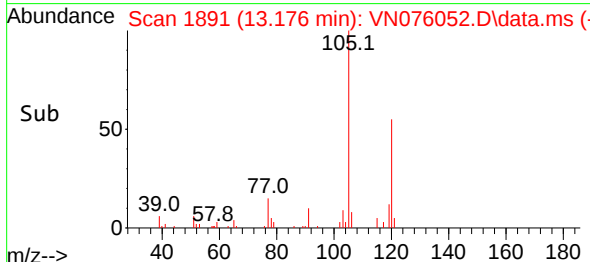
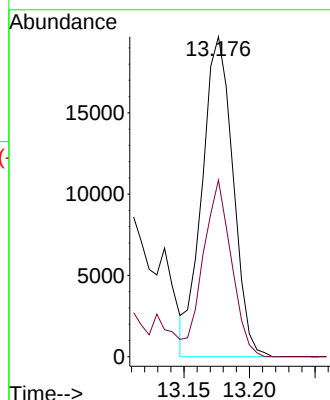
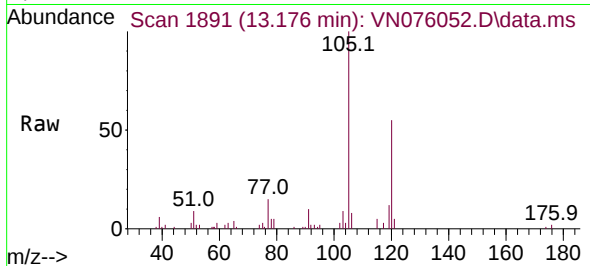




#80
1,3,5-Trimethylbenzene
Concen: 2.329 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

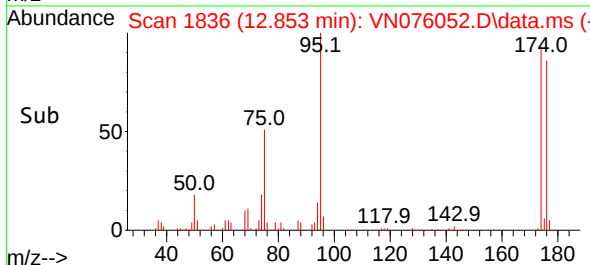
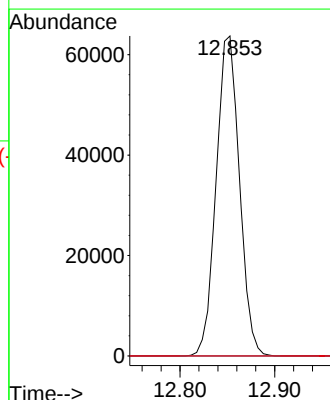
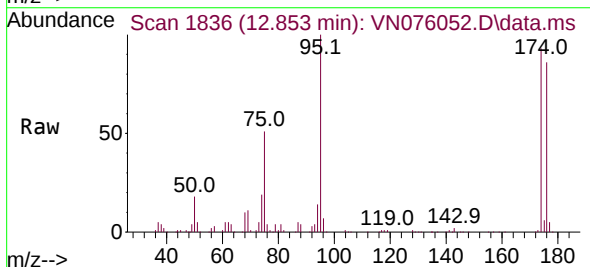
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

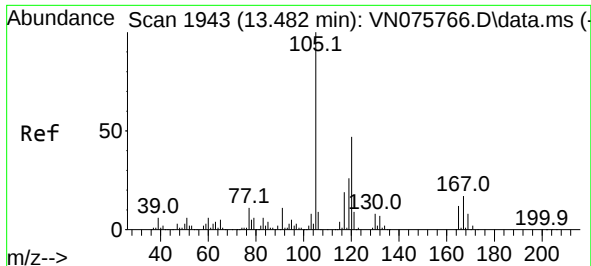
Tgt Ion:105 Resp: 32275
Ion Ratio Lower Upper
105 100
120 50.6 24.7 74.1



#81
trans-1,4-Dichloro-2-butene
Concen: 84.918 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.112 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion: 75 Resp: 108953
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 39.5 59.3#

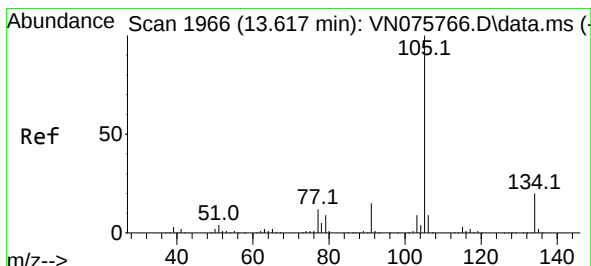
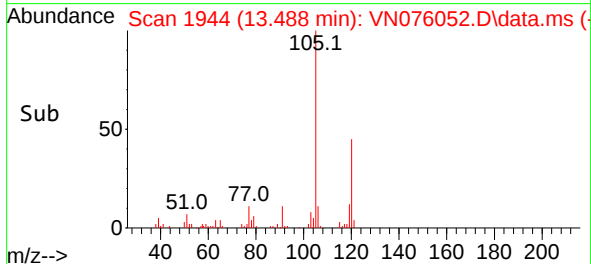
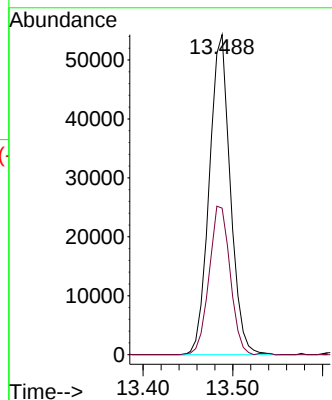
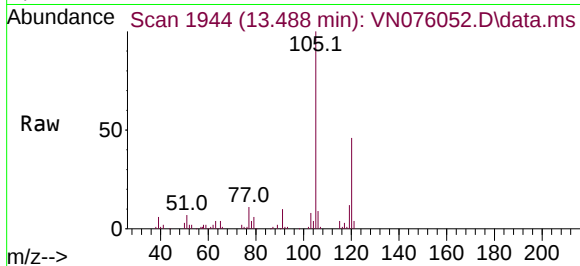




#84
1,2,4-Trimethylbenzene
Concen: 6.420 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

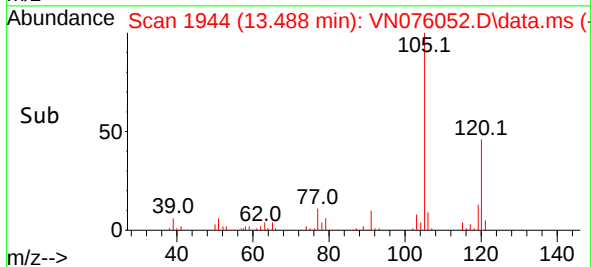
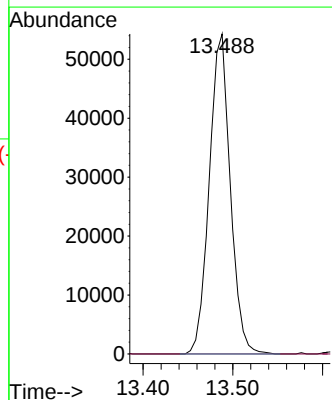
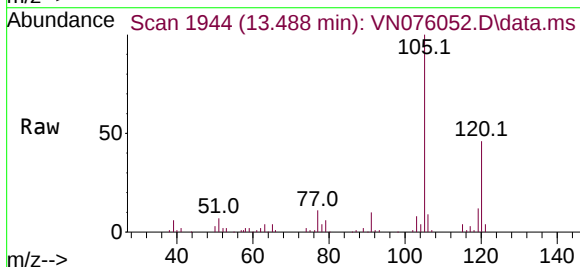
Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

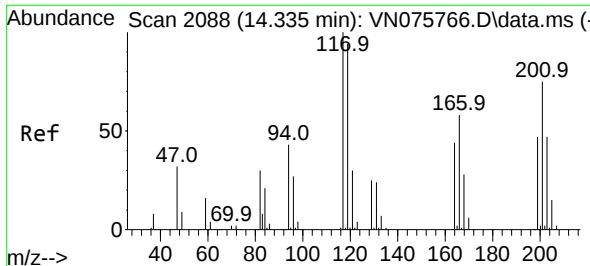
Tgt Ion:105 Resp: 88247
Ion Ratio Lower Upper
105 100
120 46.4 23.3 69.8



#85
sec-Butylbenzene
Concen: 5.233 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. -0.129 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion:105 Resp: 88247
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#

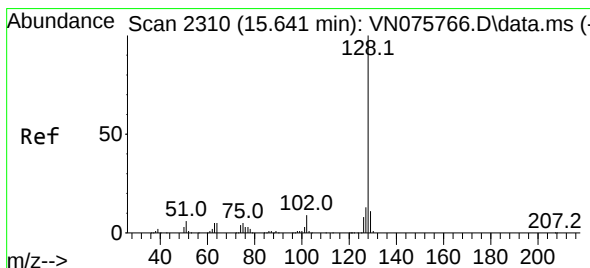
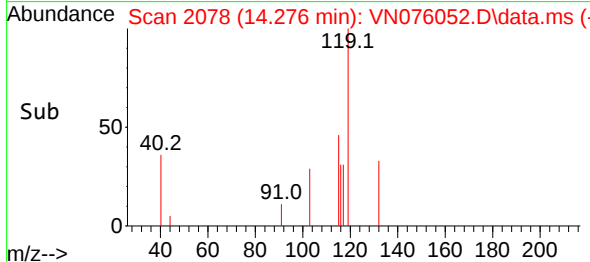
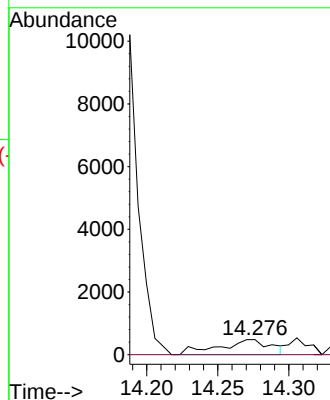
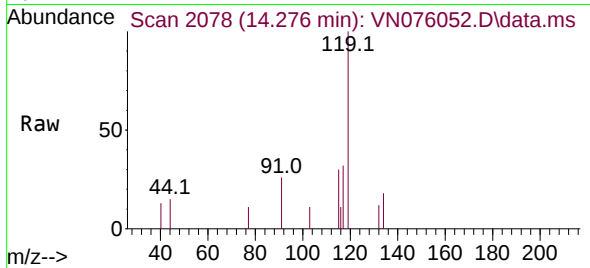




#90
Hexachloroethane
Concen: 0.487 ug/l
RT: 14.276 min Scan# 2088
Delta R.T. -0.059 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Instrument :
MSVOA_N
ClientSampleId :
SB-2DL

Tgt Ion:117 Resp: 1223
Ion Ratio Lower Upper
117 100
201 0.0 38.0 114.1#



#95
Naphthalene
Concen: 33.256 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076052.D
Acq: 29 Dec 2022 16:30

Tgt Ion:128 Resp: 405157
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.7 13.1

