

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032122\
 Data File : VN071422.D
 Acq On : 21 Mar 2022 16:04
 Operator : JC\MD
 Sample : N1994-13ME
 Misc : 5.07g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-05-4.5-5.0

Quant Time: Mar 22 06:18:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N030722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 08 06:52:46 2022
 Response via : Initial Calibration

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

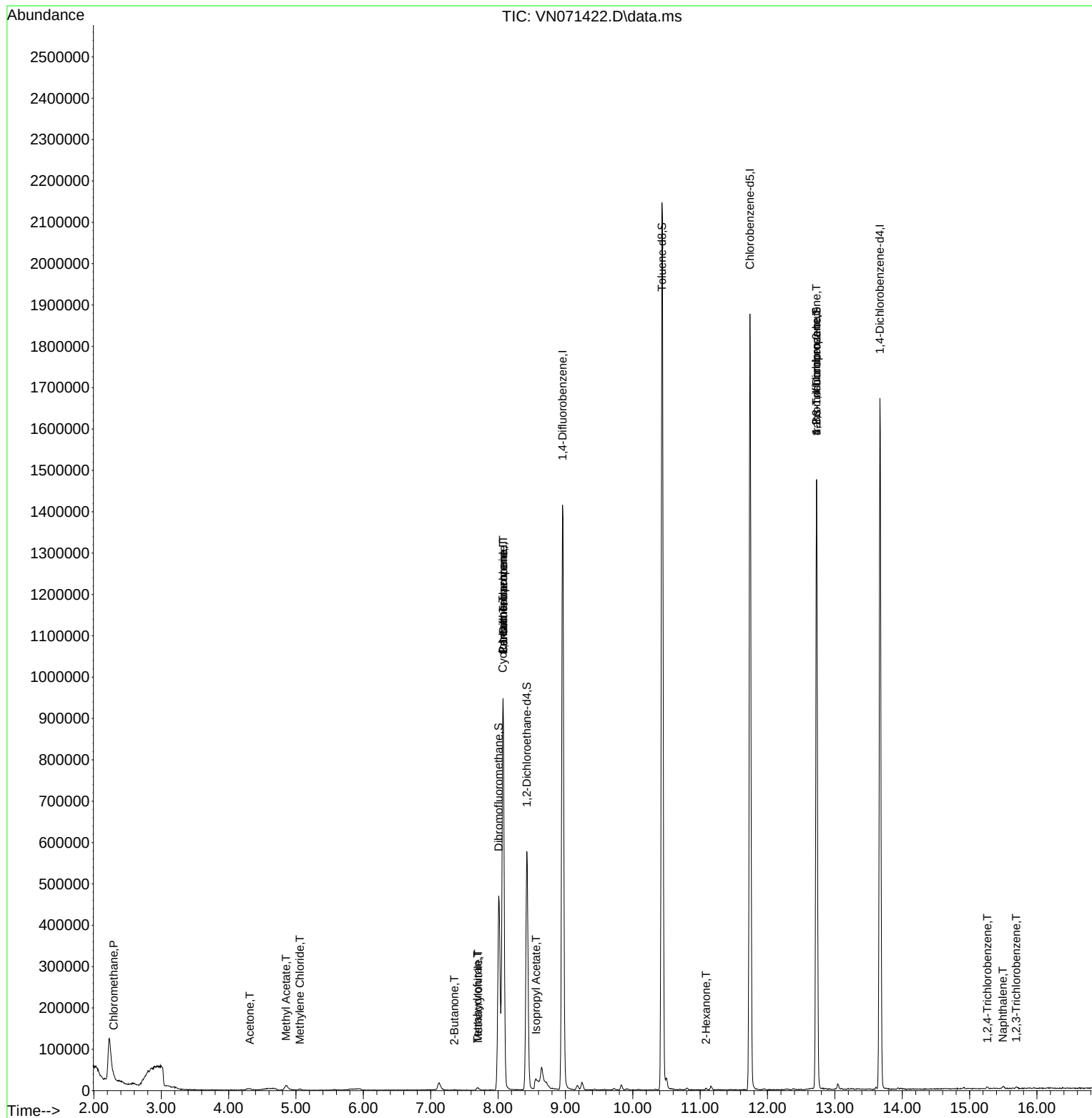
Internal Standards						
1) Pentafluorobenzene	8.075	168	738682	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.957	114	1236876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	1081950	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.668	152	447935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.428	65	476960	47.112	ug/l	-0.01
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.220%		
35) Dibromofluoromethane	8.010	113	346858	44.440	ug/l	-0.01
Spiked Amount 50.000	Range 69 - 133		Recovery =	88.880%		
50) Toluene-d8	10.433	98	1483215	47.197	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.400%		
62) 4-Bromofluorobenzene	12.727	95	510430	47.966	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.940%		
Target Compounds						Qvalue
3) Chloromethane	2.293	50	2905	0.233	ug/l	95
5) Bromomethane	2.804	94	1910	Below Cal		84
16) Acetone	4.316	43	4845	0.984	ug/l	90
18) Methyl Acetate	4.851	43	27080	2.498	ug/l	98
20) Methylene Chloride	5.057	84	1119	0.505	ug/l #	77
25) 2-Butanone	7.351	43	2064	0.260	ug/l	90
29) Tetrahydrofuran	7.692	42	5241	0.953	ug/l #	79
31) Cyclohexane	8.069	56	16080	0.995	ug/l #	11
36) 1,1-Dichloropropene	8.075	75	58066	4.643	ug/l #	50
38) Carbon Tetrachloride	8.075	117	72624	6.004	ug/l #	16
41) Methacrylonitrile	7.704	41	3328	0.395	ug/l #	24
43) Isopropyl Acetate	8.563	43	18894	0.734	ug/l #	55
59) 2-Hexanone	11.086	43	3449	0.316	ug/l	74
75) 1,1,2,2-Tetrachloroethane	12.810	83	236	Below Cal	#	35
76) 1,2,3-Trichloropropane	12.727	75	265651	22.942	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.727	75	265651	64.109	ug/l #	5
93) 1,2,4-Trichlorobenzene	15.262	180	1667	3.203	ug/l	88
95) Naphthalene	15.492	128	6144	5.336	ug/l	95
96) 1,2,3-Trichlorobenzene	15.692	180	1392	2.919	ug/l #	64

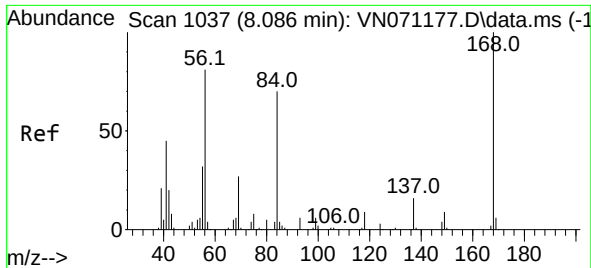
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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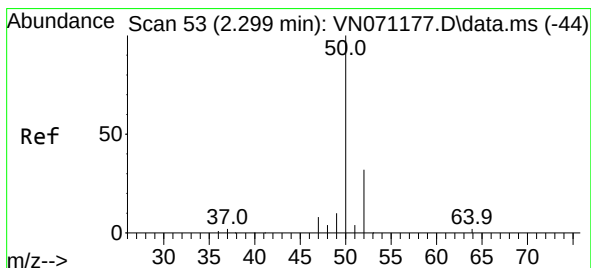
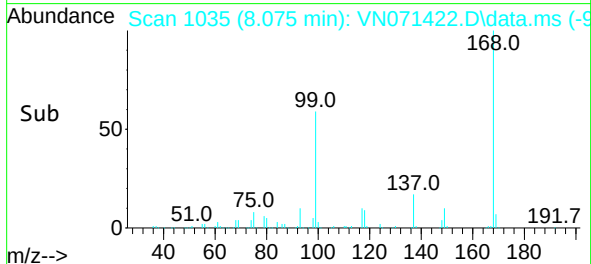
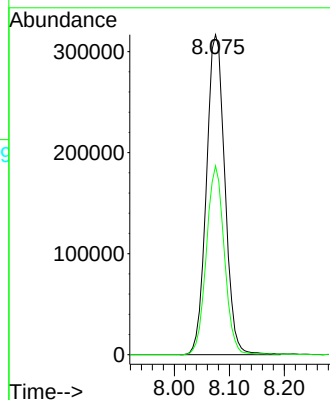
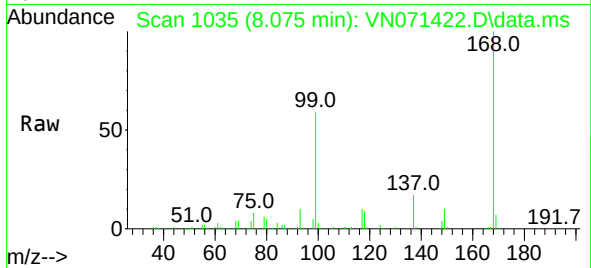




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.075 min Scan# 10
Delta R.T. -0.011 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

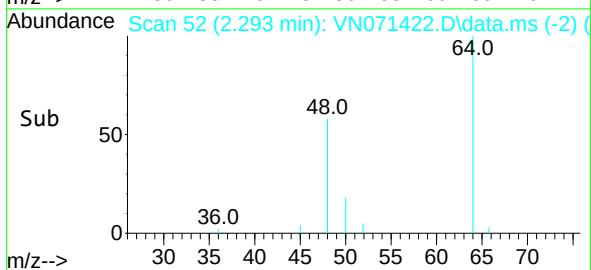
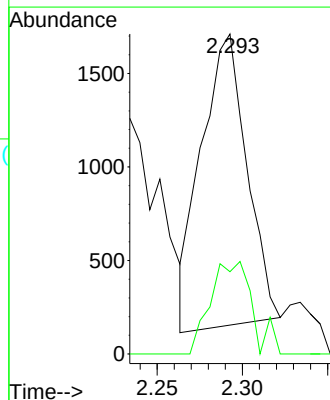
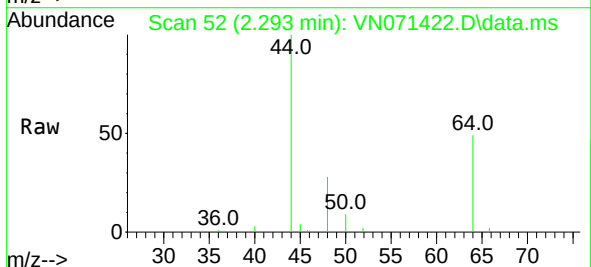
Instrument :
MSVOA_N
ClientSampleId :
SB-05-4.5-5.0

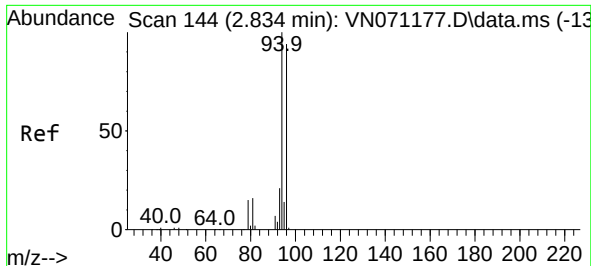
Tgt Ion:168 Resp: 738682
Ion Ratio Lower Upper
168 100
99 59.0 41.3 61.9



#3
Chloromethane
Concen: 0.233 ug/l
RT: 2.293 min Scan# 52
Delta R.T. -0.006 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

Tgt Ion: 50 Resp: 2905
Ion Ratio Lower Upper
50 100
52 29.0 25.4 38.0

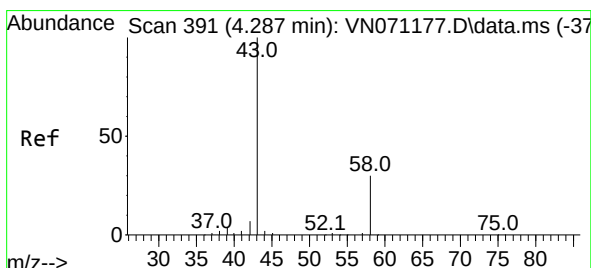
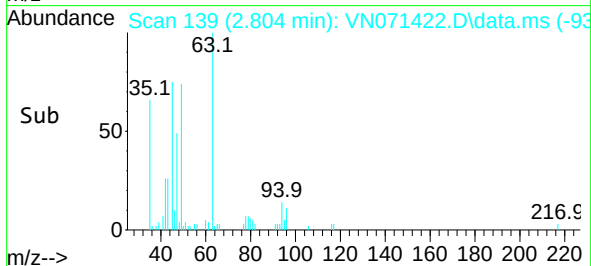
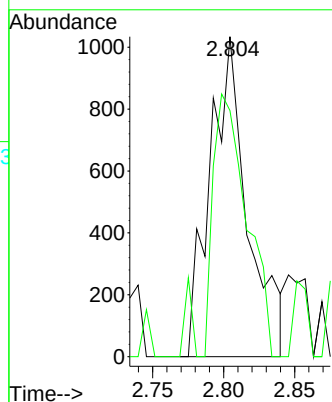
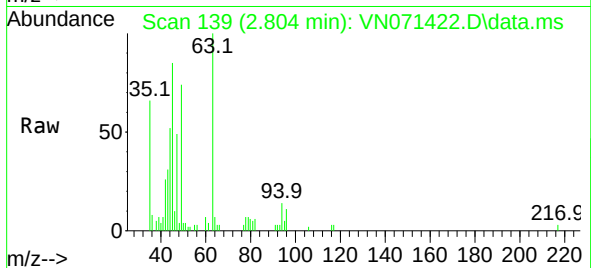




#5
Bromomethane
Concen: Below Cal
RT: 2.804 min Scan# 11
Delta R.T. -0.030 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

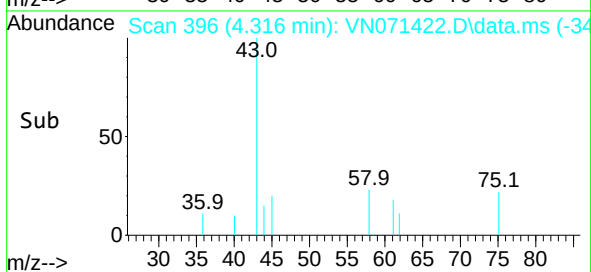
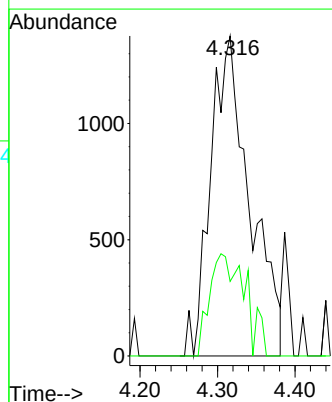
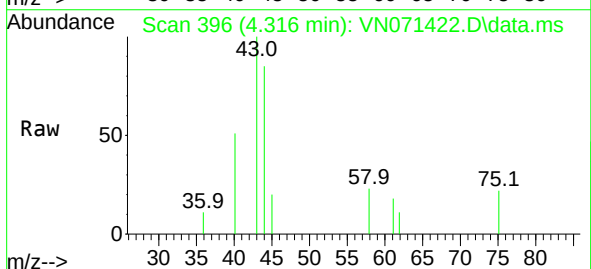
Instrument :
MSVOA_N
ClientSampleId :
SB-05-4.5-5.0

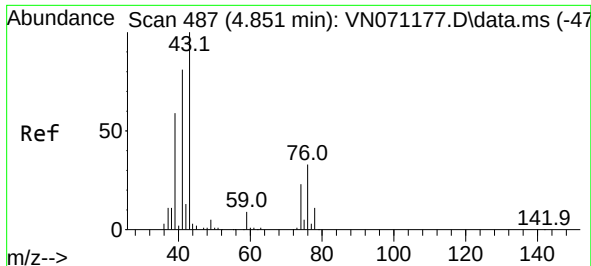
Tgt Ion: 94 Resp: 1910
Ion Ratio Lower Upper
94 100
96 76.9 73.8 110.8



#16
Acetone
Concen: 0.984 ug/l
RT: 4.316 min Scan# 396
Delta R.T. 0.029 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

Tgt Ion: 43 Resp: 4845
Ion Ratio Lower Upper
43 100
58 23.3 23.1 34.7

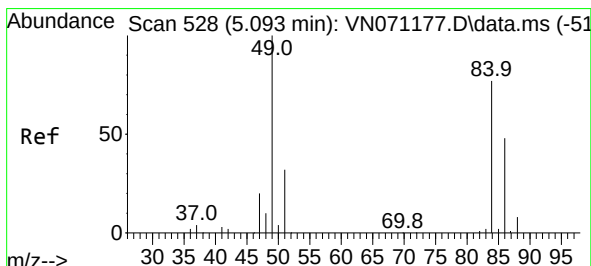
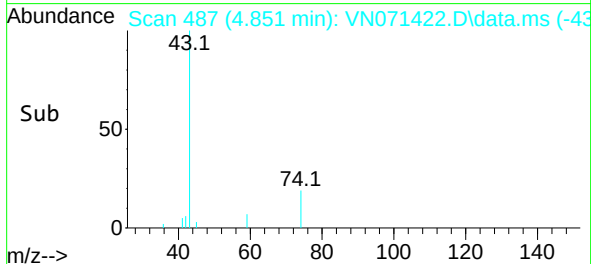
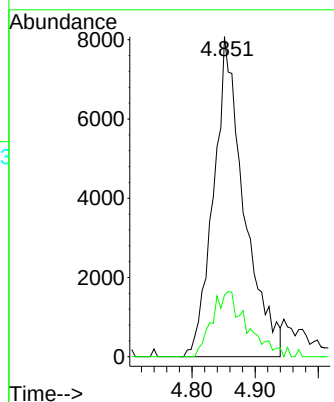
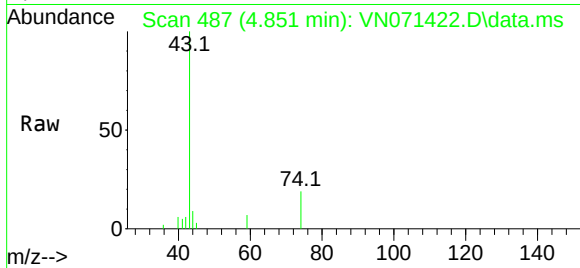




#18
Methyl Acetate
Concen: 2.498 ug/l
RT: 4.851 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

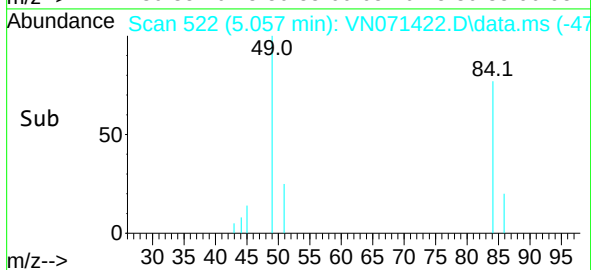
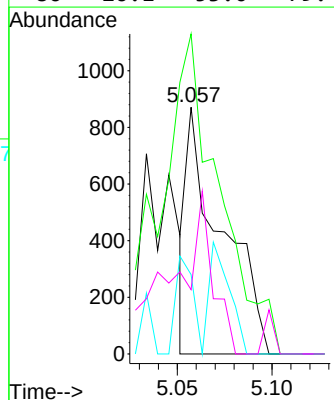
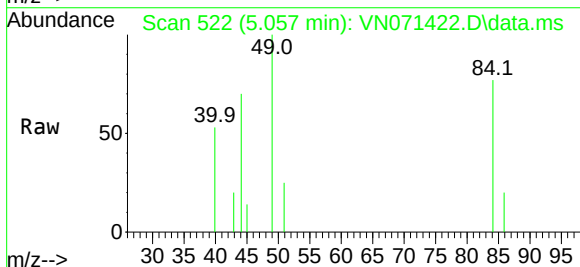
Instrument :
MSVOA_N
ClientSampleId :
SB-05-4.5-5.0

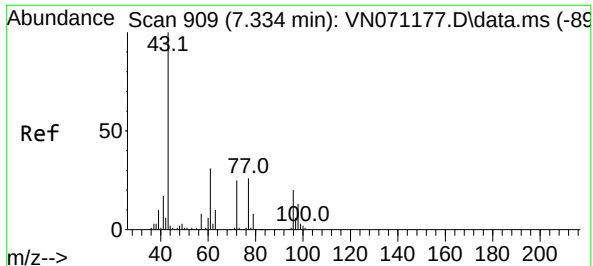
Tgt Ion: 43 Resp: 27080
Ion Ratio Lower Upper
43 100
74 23.5 19.4 29.2



#20
Methylene Chloride
Concen: 0.505 ug/l
RT: 5.057 min Scan# 522
Delta R.T. -0.036 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

Tgt Ion: 84 Resp: 1119
Ion Ratio Lower Upper
84 100
49 129.7 93.5 140.3
51 32.1 29.4 44.2
86 26.1 53.0 79.4#





#25

2-Butanone

Concen: 0.260 ug/l

RT: 7.351 min Scan# 912

Delta R.T. 0.018 min

Lab File: VN071422.D

Acq: 21 Mar 2022 16:04

Instrument :

MSVOA_N

ClientSampleId :

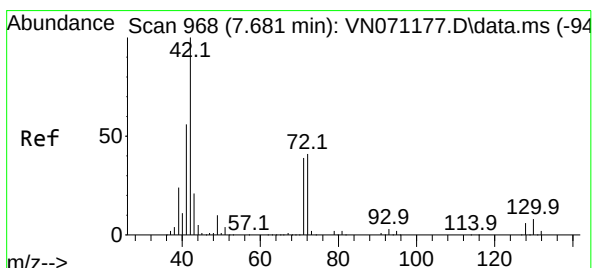
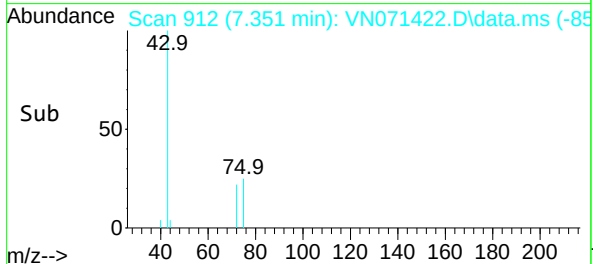
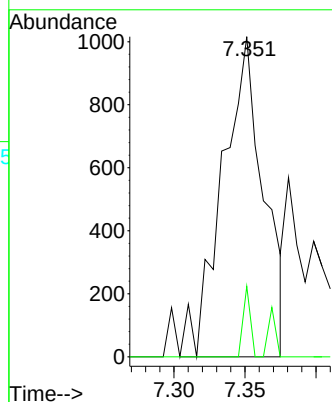
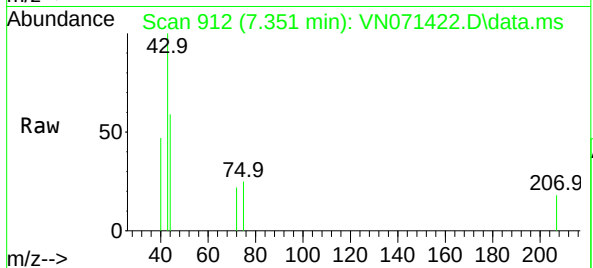
SB-05-4.5-5.0

Tgt Ion: 43 Resp: 2064

Ion Ratio Lower Upper

43 100

72 22.0 21.7 32.5



#29

Tetrahydrofuran

Concen: 0.953 ug/l

RT: 7.692 min Scan# 970

Delta R.T. 0.012 min

Lab File: VN071422.D

Acq: 21 Mar 2022 16:04

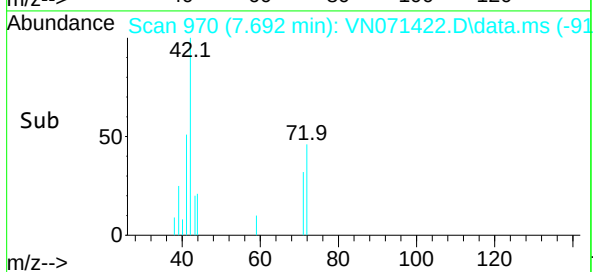
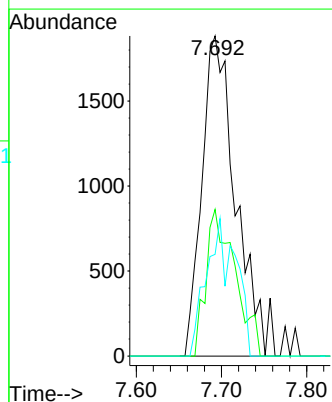
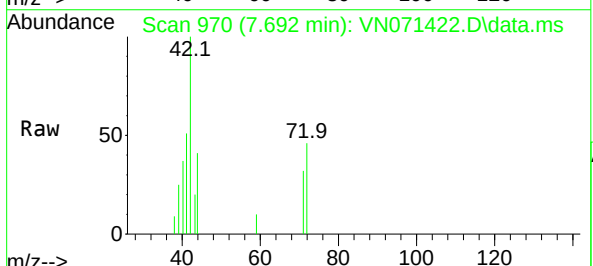
Tgt Ion: 42 Resp: 5241

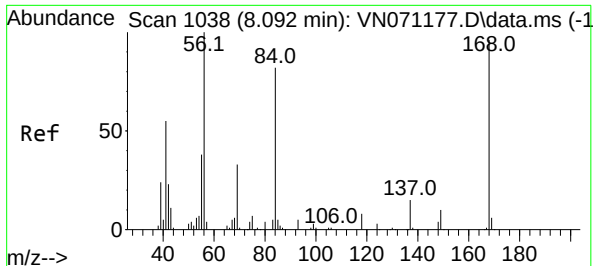
Ion Ratio Lower Upper

42 100

72 39.1 36.3 54.5

71 22.7 34.7 52.1#

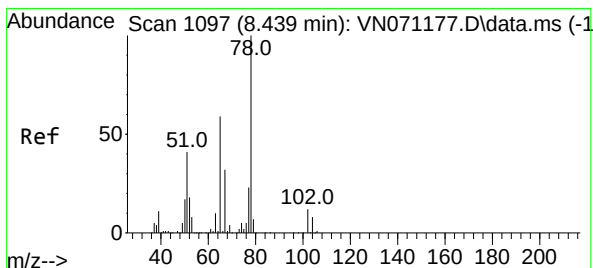
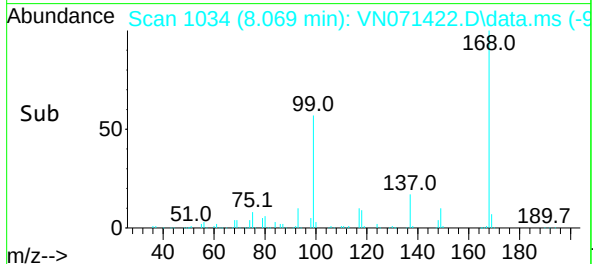
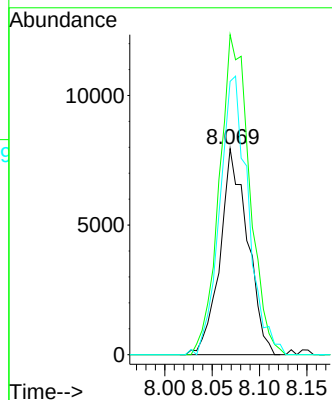
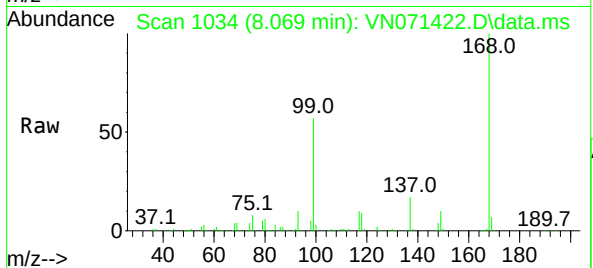




#31
Cyclohexane
Concen: 0.995 ug/l
RT: 8.069 min Scan# 1034
Delta R.T. -0.024 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

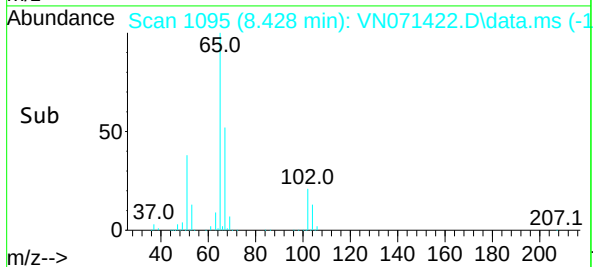
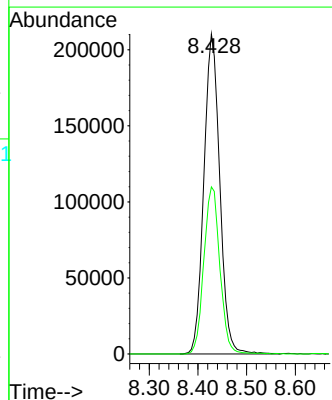
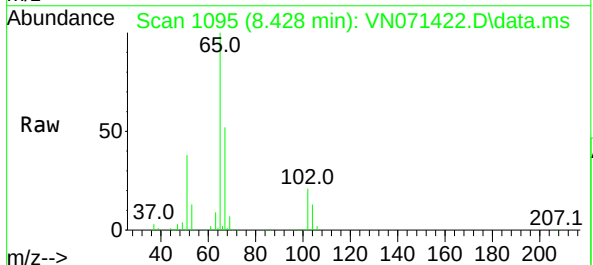
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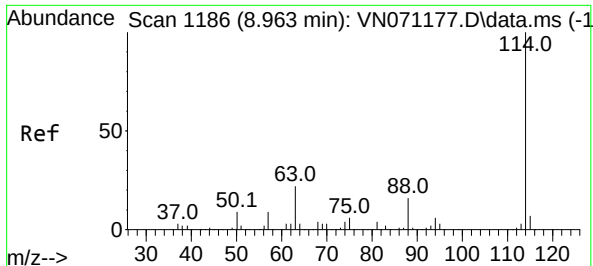
Tgt Ion: 56 Resp: 16080
Ion Ratio Lower Upper
56 100
69 155.2 27.1 40.7#
84 132.6 73.4 110.0#



#33
1,2-Dichloroethane-d4
Concen: 47.112 ug/l
RT: 8.428 min Scan# 1095
Delta R.T. -0.012 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

Tgt Ion: 65 Resp: 476960
Ion Ratio Lower Upper
65 100
67 52.6 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.957 min Scan# 1185

Delta R.T. -0.006 min

Lab File: VN071422.D

Acq: 21 Mar 2022 16:04

Instrument :

MSVOA_N

ClientSampleId :

SB-05-4.5-5.0

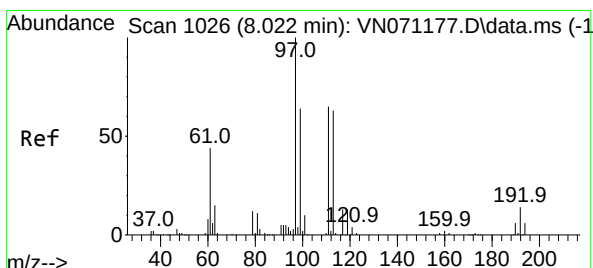
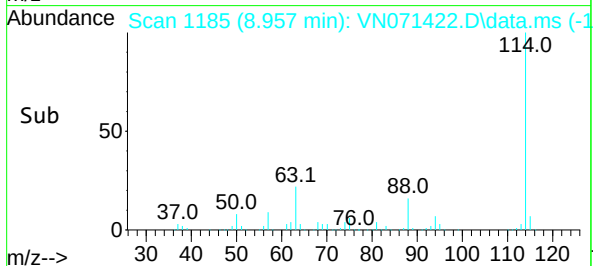
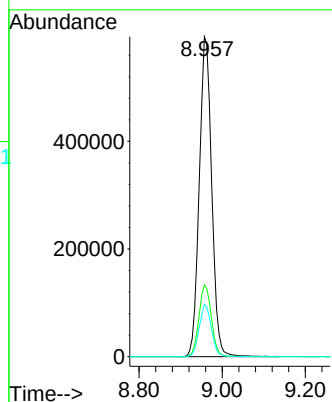
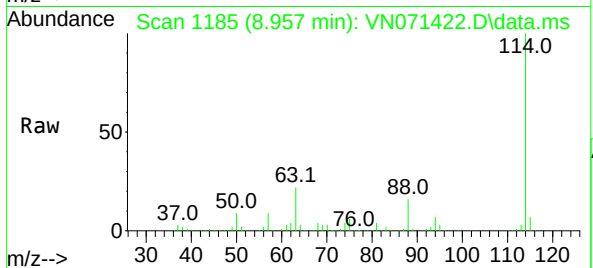
Tgt Ion:114 Resp: 1236876

Ion Ratio Lower Upper

114 100

63 22.4 0.0 37.8

88 16.4 0.0 27.4



#35

Dibromofluoromethane

Concen: 44.440 ug/l

RT: 8.010 min Scan# 1024

Delta R.T. -0.012 min

Lab File: VN071422.D

Acq: 21 Mar 2022 16:04

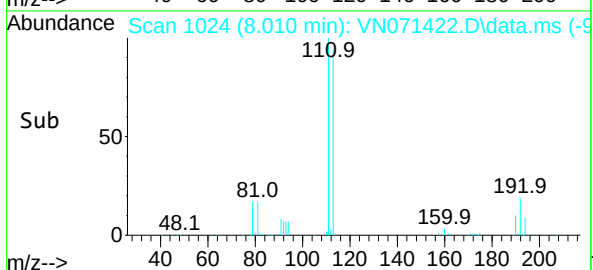
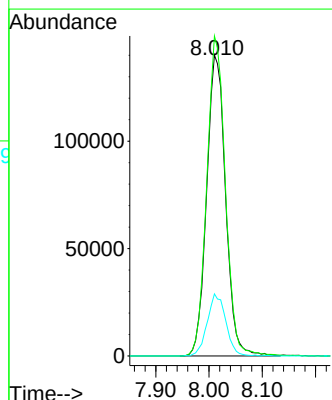
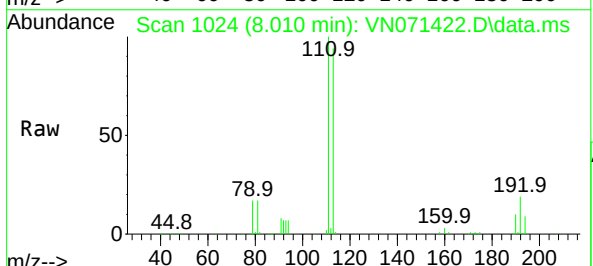
Tgt Ion:113 Resp: 346858

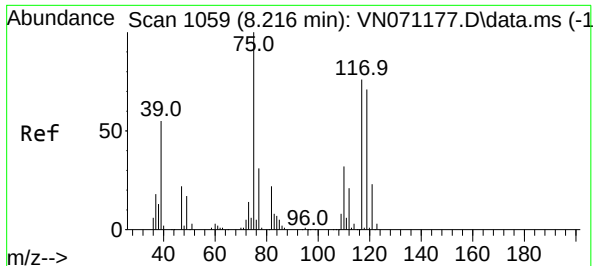
Ion Ratio Lower Upper

113 100

111 104.4 82.2 123.2

192 20.2 16.9 25.3

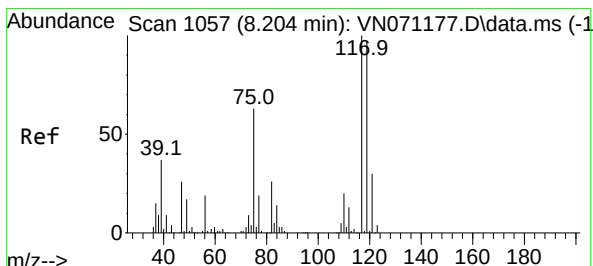
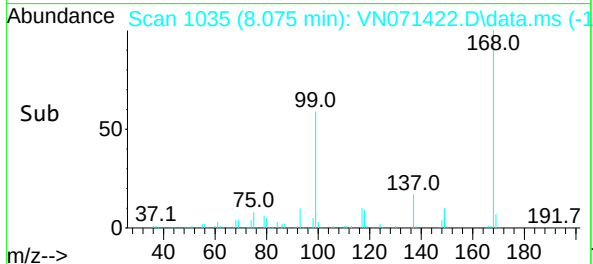
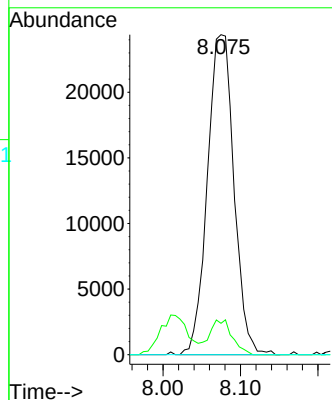
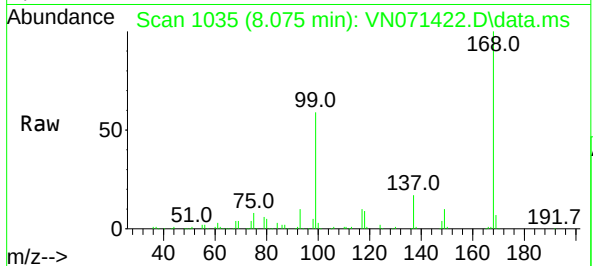




#36
1,1-Dichloropropene
Concen: 4.643 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.141 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

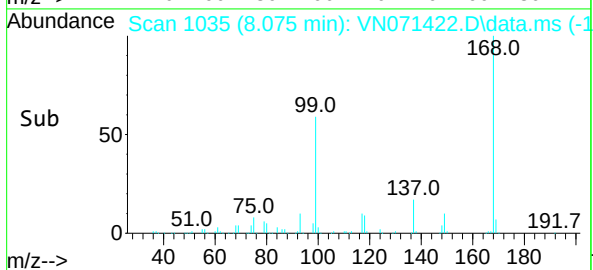
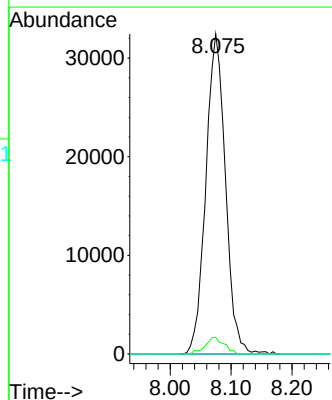
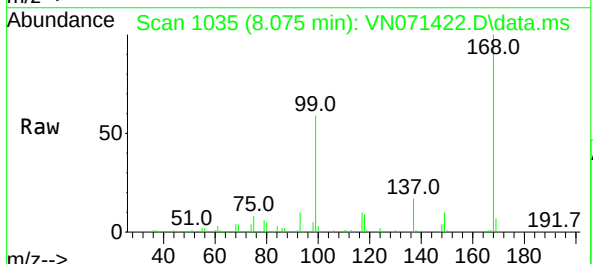
Instrument :
MSVOA_N
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SB-05-4.5-5.0

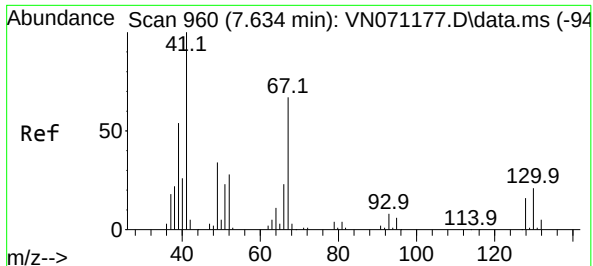
Tgt Ion: 75 Resp: 58066
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.004 ug/l
RT: 8.075 min Scan# 1035
Delta R.T. -0.129 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

Tgt Ion: 117 Resp: 72624
Ion Ratio Lower Upper
117 100
119 5.2 76.1 114.1#
121 0.0 24.2 36.2#

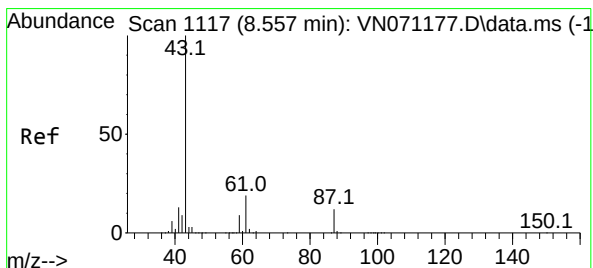
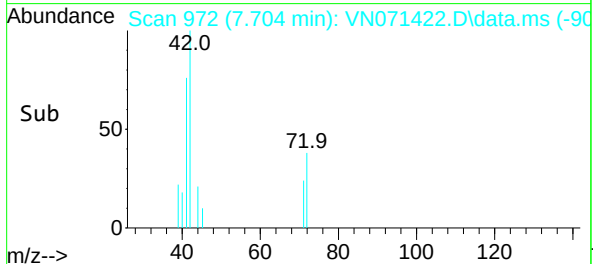
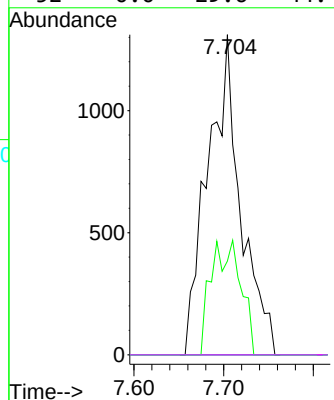
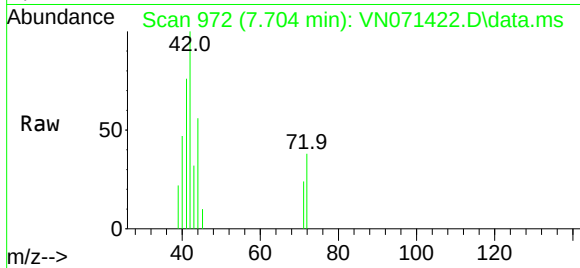




#41
Methacrylonitrile
Concen: 0.395 ug/l
RT: 7.704 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

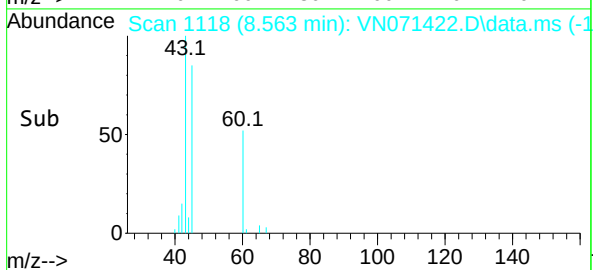
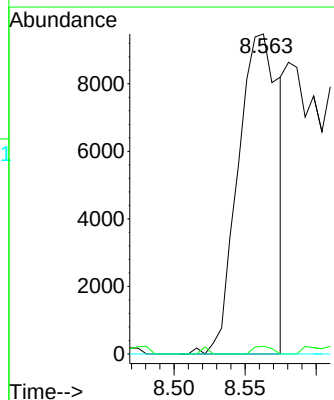
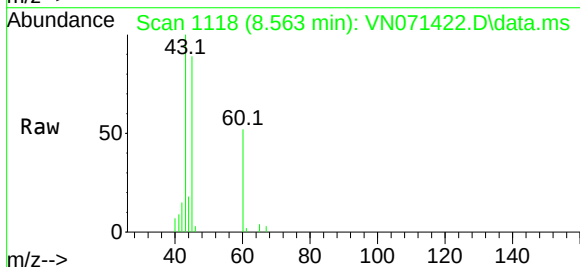
Instrument :
MSVOA_N
ClientSampleId :
SB-05-4.5-5.0

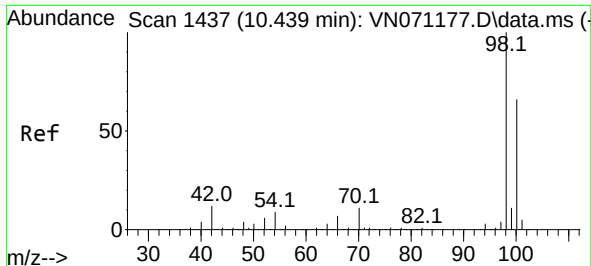
Tgt Ion: 41	Resp: 3328
Ion Ratio	Lower Upper
41 100	
39 14.9	48.1 72.1#
67 0.0	68.3 102.5#
52 0.0	29.6 44.4#



#43
Isopropyl Acetate
Concen: 0.734 ug/l
RT: 8.563 min Scan# 1118
Delta R.T. 0.006 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

Tgt Ion: 43	Resp: 18894
Ion Ratio	Lower Upper
43 100	
61 0.0	20.4 30.6#
87 0.0	11.2 16.8#

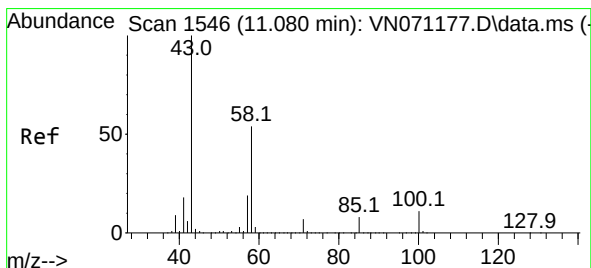
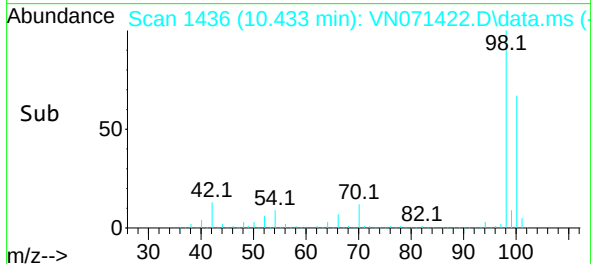
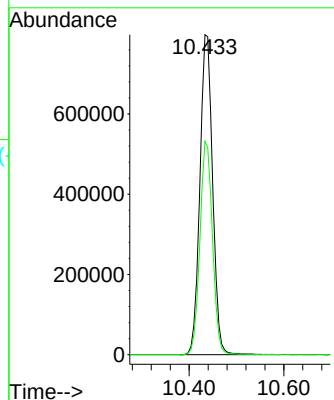
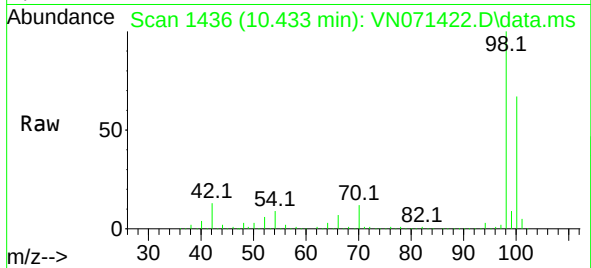




#50
Toluene-d8
Concen: 47.197 ug/l
RT: 10.433 min Scan# 1436
Delta R.T. -0.006 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

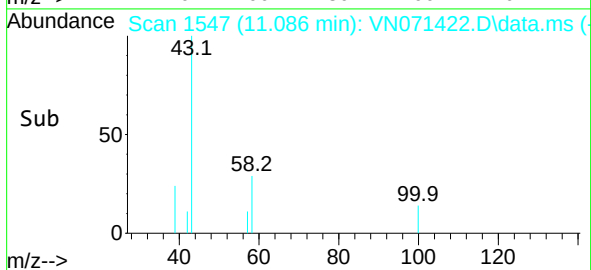
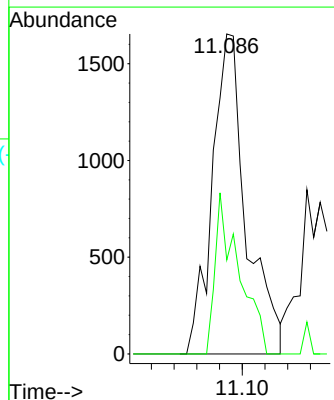
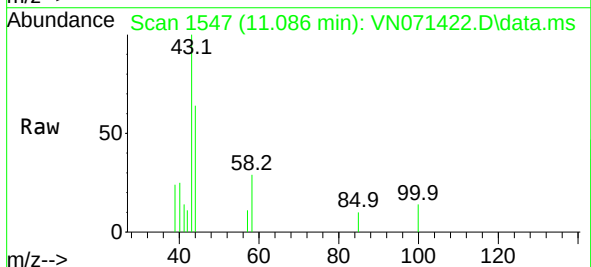
Instrument :
MSVOA_N
ClientSampleId :
SB-05-4.5-5.0

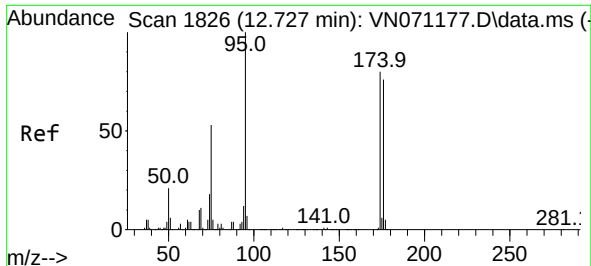
Tgt Ion: 98 Resp: 1483215
Ion Ratio Lower Upper
98 100
100 65.9 50.4 75.6



#59
2-Hexanone
Concen: 0.316 ug/l
RT: 11.086 min Scan# 1547
Delta R.T. 0.006 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

Tgt Ion: 43 Resp: 3449
Ion Ratio Lower Upper
43 100
58 35.0 26.9 80.7

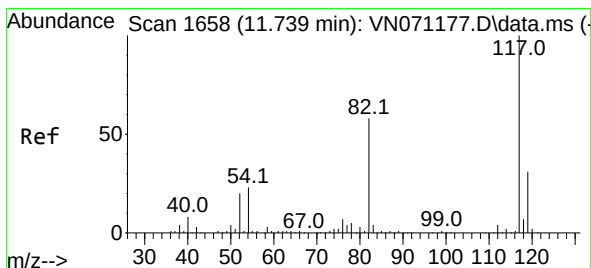
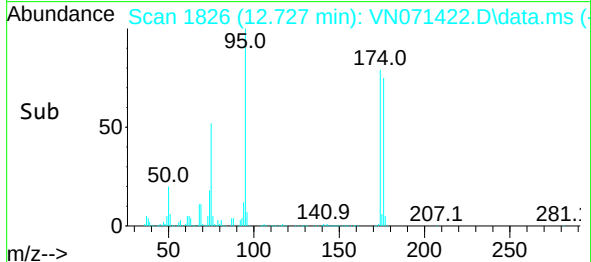
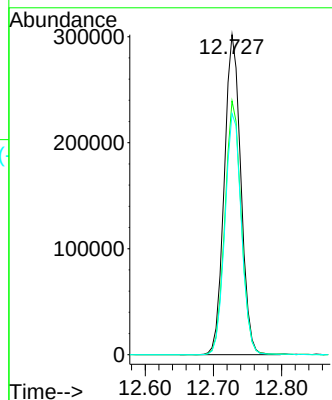
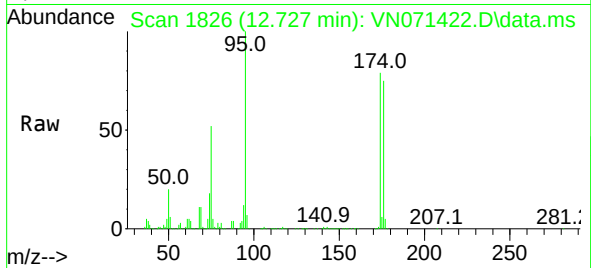




#62
4-Bromofluorobenzene
Concen: 47.966 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

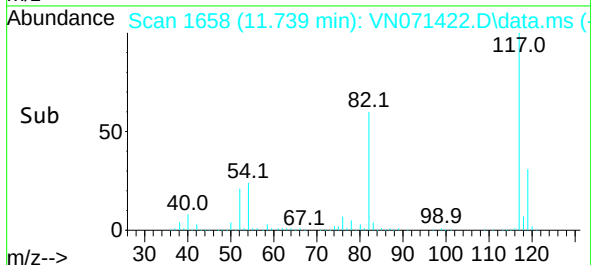
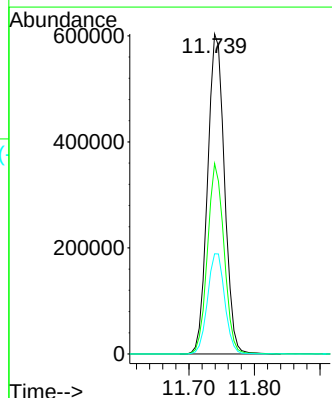
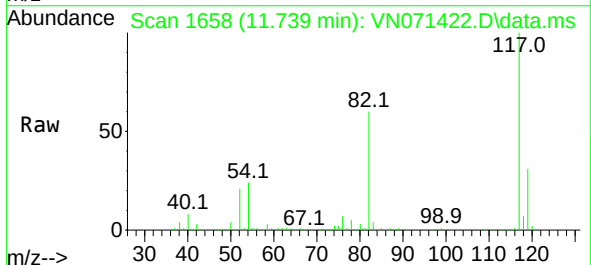
Instrument :
MSVOA_N
ClientSampleId :
SB-05-4.5-5.0

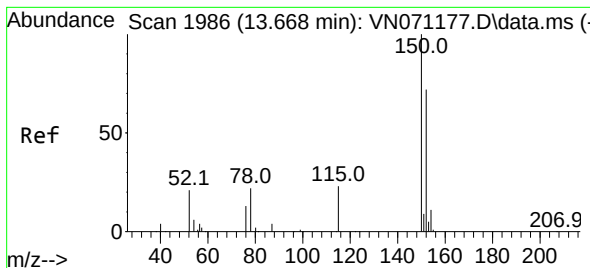
Tgt Ion: 95 Resp: 510430
Ion Ratio Lower Upper
95 100
174 78.2 0.0 187.2
176 74.9 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. 0.000 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

Tgt Ion: 117 Resp: 1081950
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 31.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.668 min Scan# 1986

Delta R.T. 0.000 min

Lab File: VN071422.D

Acq: 21 Mar 2022 16:04

Instrument :

MSVOA_N

ClientSampleId :

SB-05-4.5-5.0

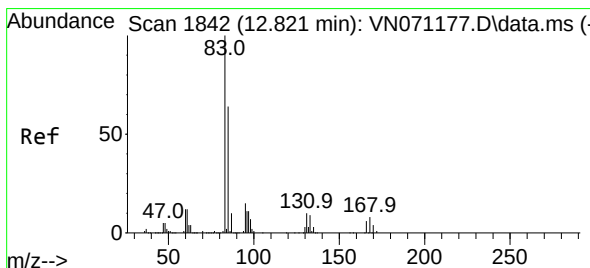
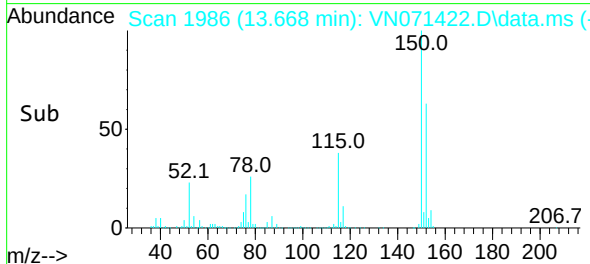
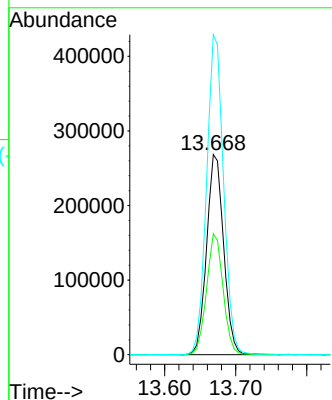
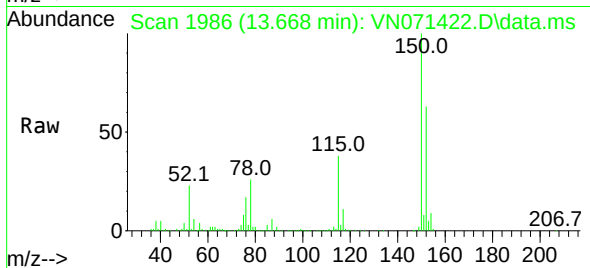
Tgt Ion:152 Resp: 447935

Ion Ratio Lower Upper

152 100

115 58.7 27.5 82.5

150 158.6 0.0 344.4



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.810 min Scan# 1840

Delta R.T. -0.011 min

Lab File: VN071422.D

Acq: 21 Mar 2022 16:04

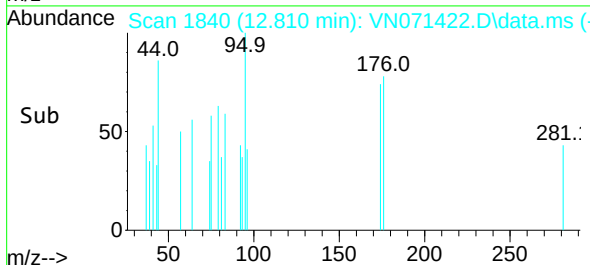
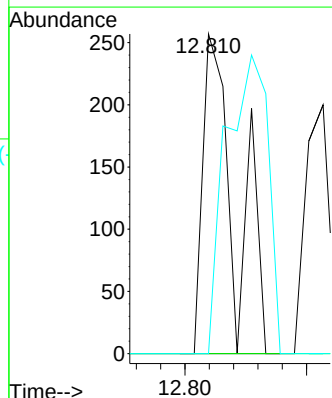
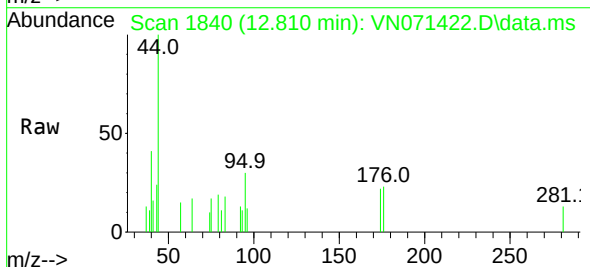
Tgt Ion: 83 Resp: 236

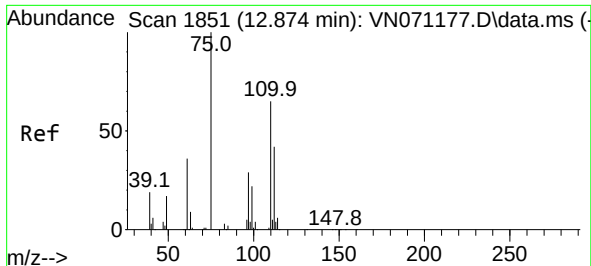
Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 121.2 32.4 97.2#

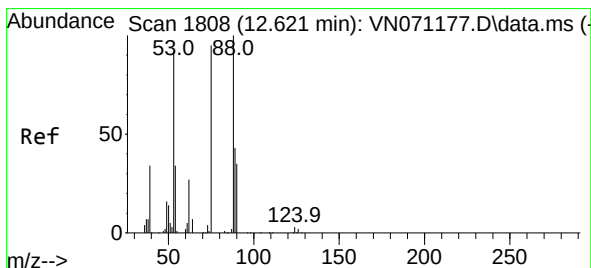
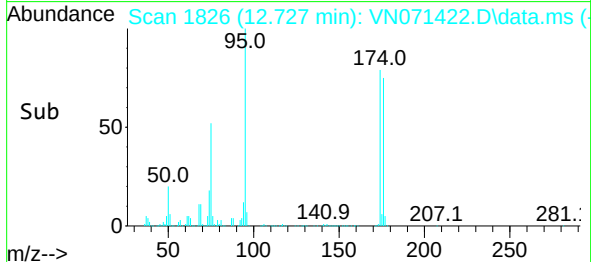
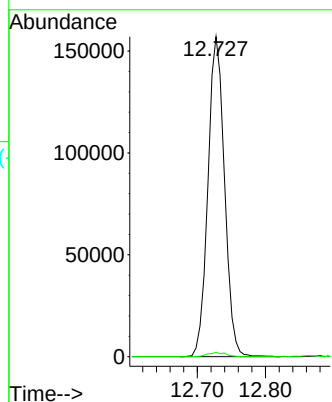
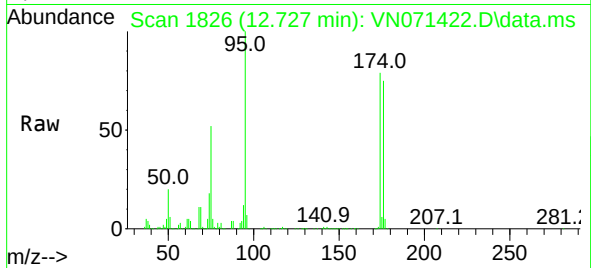




#76
1,2,3-Trichloropropane
Concen: 22.942 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

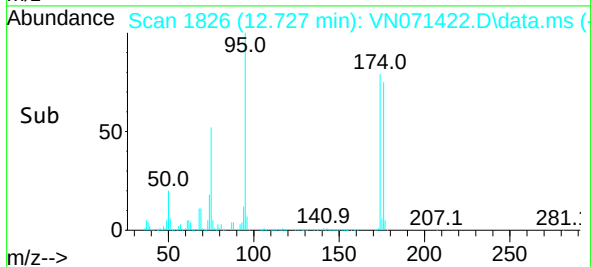
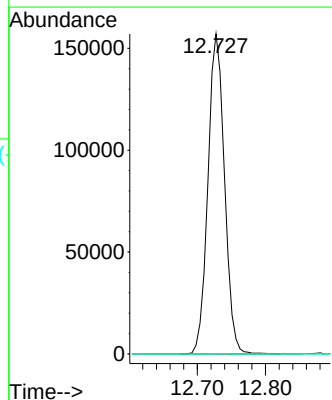
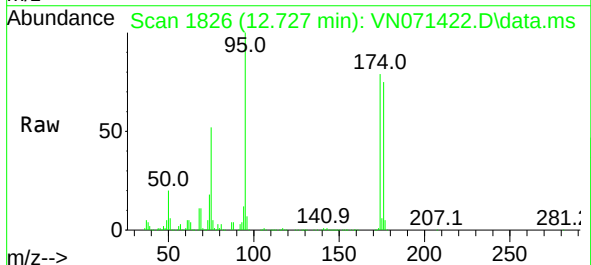
Instrument :
MSVOA_N
ClientSampleId :
SB-05-4.5-5.0

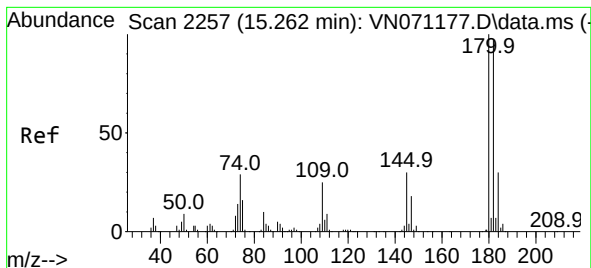
Tgt Ion: 75 Resp: 265651
Ion Ratio Lower Upper
75 100
77 1.5 82.6 247.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 64.109 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.106 min
Lab File: VN071422.D
Acq: 21 Mar 2022 16:04

Tgt Ion: 75 Resp: 265651
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 38.2 57.4#

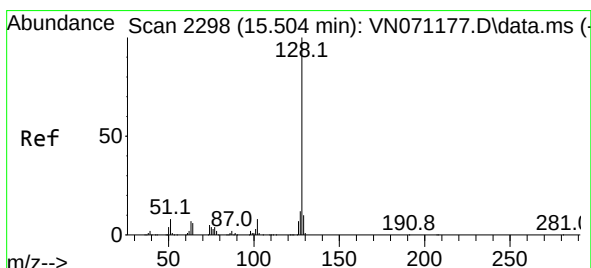
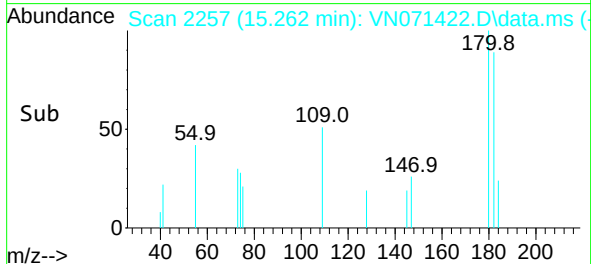
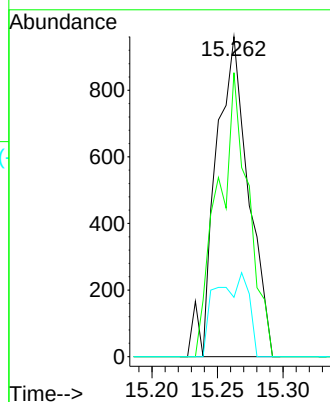
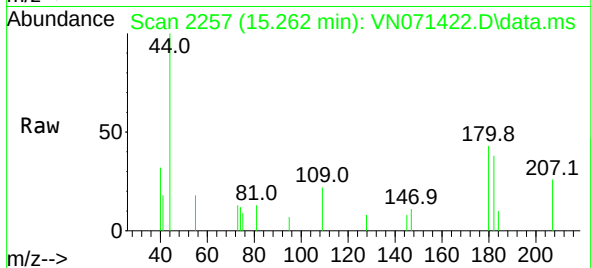




#93
 1,2,4-Trichlorobenzene
 Concen: 3.203 ug/l
 RT: 15.262 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN071422.D
 Acq: 21 Mar 2022 16:04

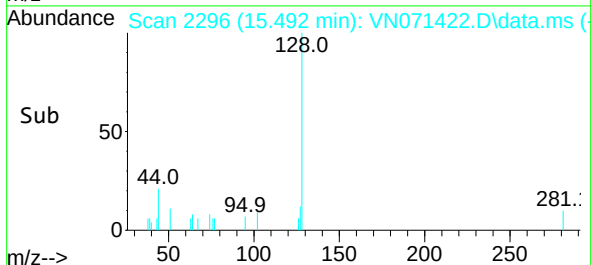
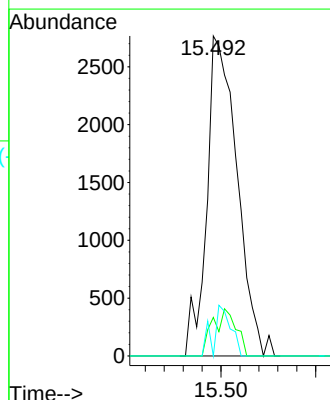
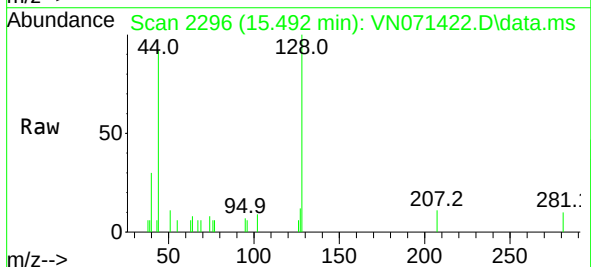
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-05-4.5-5.0

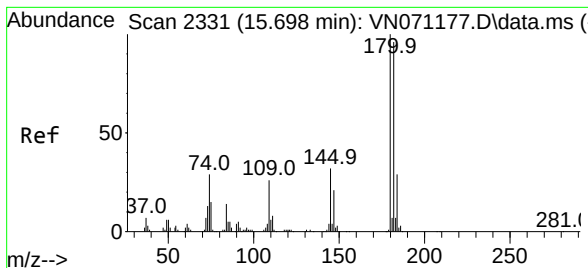
Tgt Ion:180 Resp: 1667
 Ion Ratio Lower Upper
 180 100
 182 82.4 48.3 144.9
 145 26.2 14.5 43.5



#95
 Naphthalene
 Concen: 5.336 ug/l
 RT: 15.492 min Scan# 2296
 Delta R.T. -0.012 min
 Lab File: VN071422.D
 Acq: 21 Mar 2022 16:04

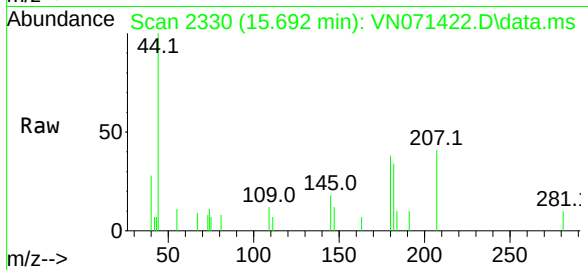
Tgt Ion:128 Resp: 6144
 Ion Ratio Lower Upper
 128 100
 127 11.3 10.5 15.7
 129 9.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.919 ug/l
 RT: 15.692 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN071422.D
 Acq: 21 Mar 2022 16:04

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-05-4.5-5.0



Tgt Ion:180 Resp: 1392
 Ion Ratio Lower Upper
 180 100
 182 129.8 47.4 142.2
 145 49.4 15.0 45.1#

