

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN050919\
 Data File : VN055491.D
 Acq On : 9 May 2019 12:43
 Operator : JC/SP
 Sample : K2672-07
 Misc : 5.10g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-04-1.0-1.5

Quant Time: May 09 13:06:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 04:17:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	790341	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1329351	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1131941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	419918	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	557712	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
35) Dibromofluoromethane	7.59	113	412070	48.05	ug/l	0.00
Spiked Amount			Recovery	=	96.10%	
50) Toluene-d8	10.09	98	1612710	48.26	ug/l	0.00
Spiked Amount			Recovery	=	96.52%	
62) 4-Bromofluorobenzene	12.40	95	527224	46.79	ug/l	0.00
Spiked Amount			Recovery	=	93.58%	

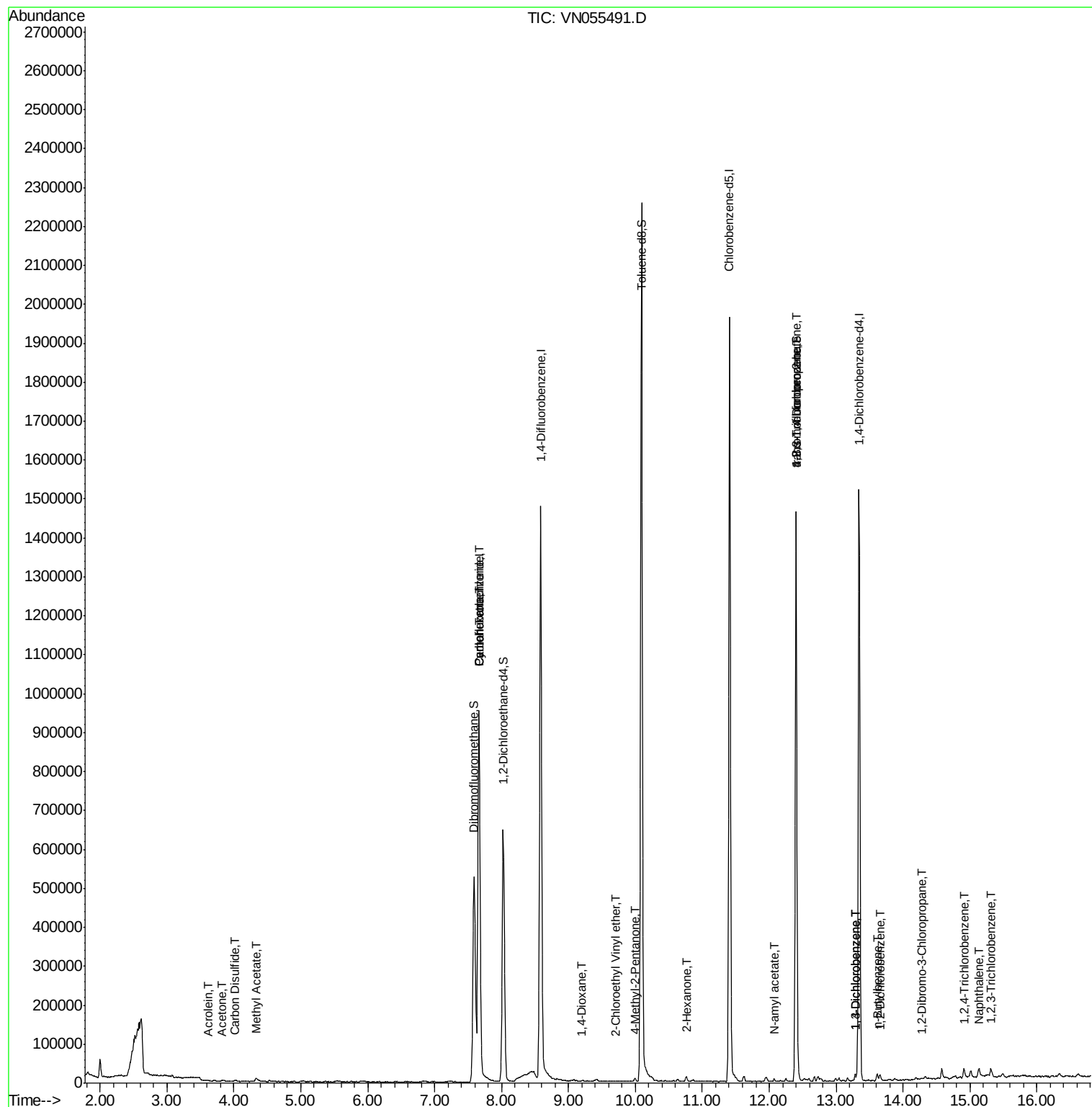
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	972	0.830	ug/l #	77
16) Acetone	3.84	43	1267	0.230	ug/l #	56
17) Carbon Disulfide	4.02	76	7007	0.297	ug/l #	93
18) Methyl Acetate	4.34	43	20544	0.686	ug/l	96
31) Cyclohexane	7.66	56	18631	0.970	ug/l #	1
38) Carbon Tetrachloride	7.66	117	77677	7.044	ug/l #	15
49) 1,4-Dioxane	9.20	88	146	0.716	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5150	0.361	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	368	12.586	ug/l #	52
59) 2-Hexanone	10.76	43	9993	0.998	ug/l	97
73) Isopropylbenzene	12.25	105	3515	Below Cal		90
74) N-amyl acetate	12.07	43	4068	0.255	ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.51	83	1219	Below Cal	#	85
76) 1,2,3-Trichloropropane	12.40	75	264368	23.126	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	264368	85.332	ug/l #	7
87) 1,3-Dichlorobenzene	13.28	146	3672	0.257	ug/l	95
88) 1,4-Dichlorobenzene	13.28	146	3672	0.260	ug/l	93
89) n-Butylbenzene	13.61	91	10742	0.445	ug/l	92
91) 1,2-Dichlorobenzene	13.66	146	4080	0.285	ug/l	84
92) 1,2-Dibromo-3-Chloropropan	14.28	75	418	0.216	ug/l	69
93) 1,2,4-Trichlorobenzene	14.90	180	6455	4.176	ug/l	97
94) Hexachlorobutadiene	15.01	225	2994	Below Cal		87
95) Naphthalene	15.14	128	21461	4.091	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	7161	3.434	ug/l	94

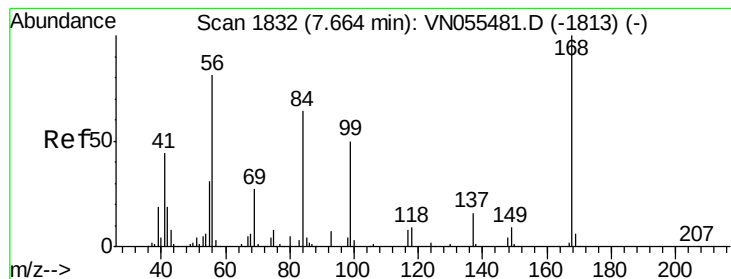
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

Instrument :

MSVOA_N

ClientSampleId :

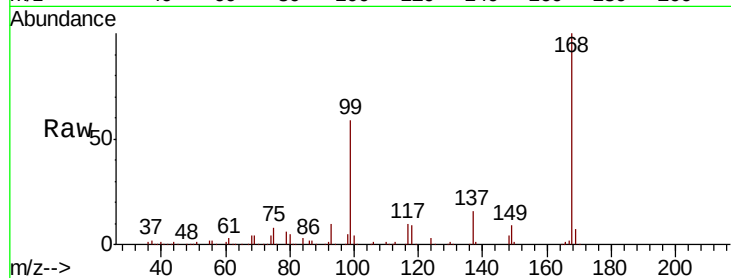
SB-04-1.0-1.5

Tgt Ion:168 Resp: 790341

Ion Ratio Lower Upper

168 100

99 59.4 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

300000

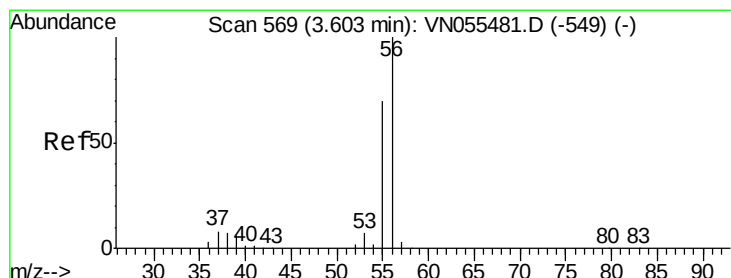
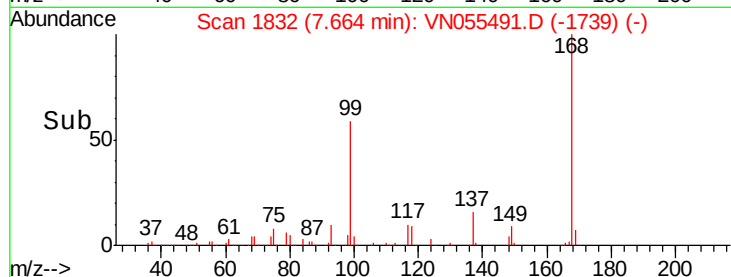
200000

100000

0

Time-->

7.60 7.70



#13

Acrolein

Concen: 0.830 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN055491.D

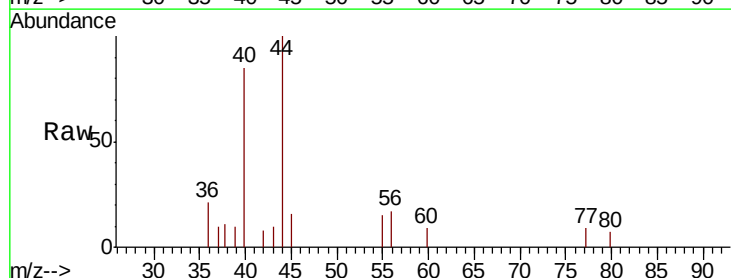
Acq: 9 May 2019 12:43

Tgt Ion: 56 Resp: 972

Ion Ratio Lower Upper

56 100

55 53.3 57.7 86.5#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.60

400

300

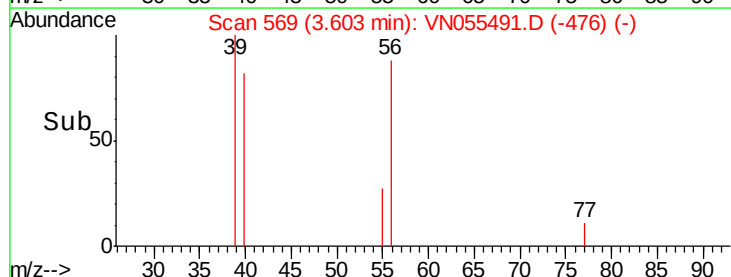
200

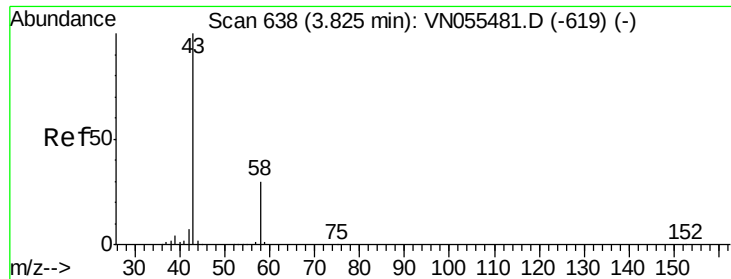
100

0

Time-->

3.55 3.60 3.65





#16

Acetone

Concen: 0.230 ug/l

RT: 3.84 min Scan# 642

Delta R.T. 0.01 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

Instrument :

MSVOA_N

ClientSampled :

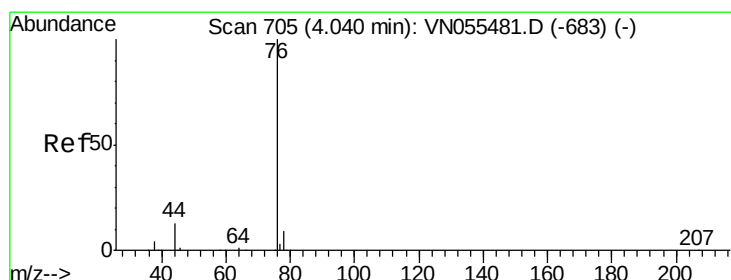
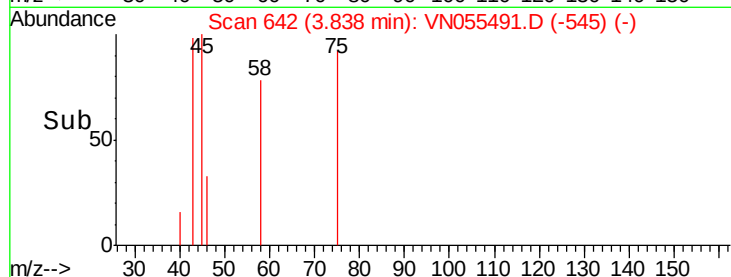
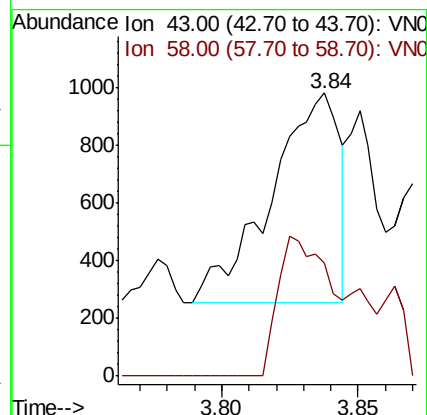
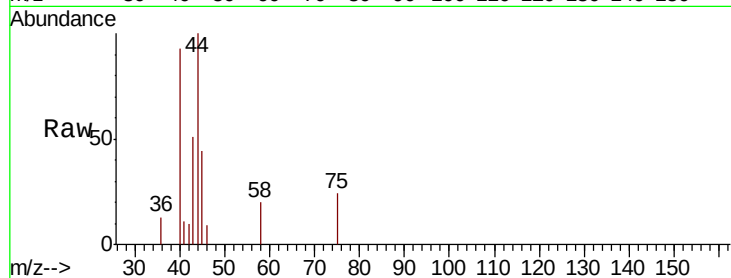
SB-04-1.0-1.5

Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

43 100

58 54.2 24.2 36.2#



#17

Carbon Disulfide

Concen: 0.297 ug/l

RT: 4.02 min Scan# 699

Delta R.T. -0.02 min

Lab File: VN055491.D

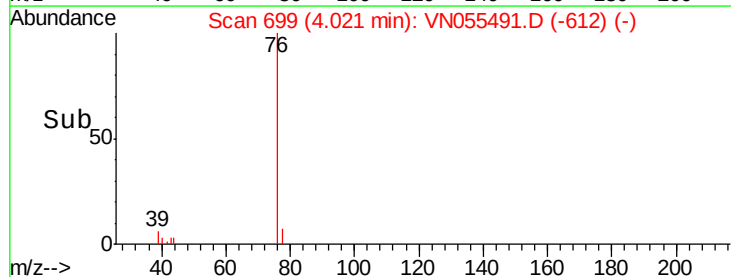
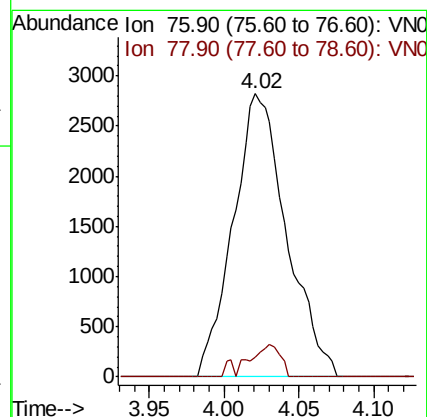
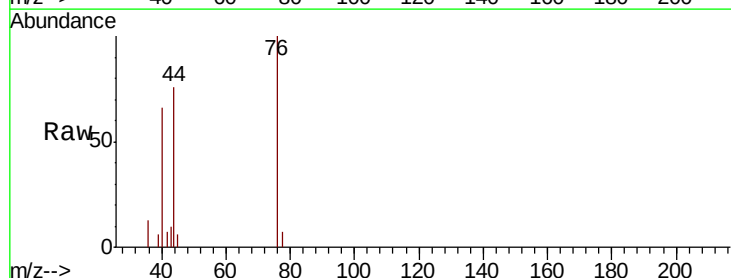
Acq: 9 May 2019 12:43

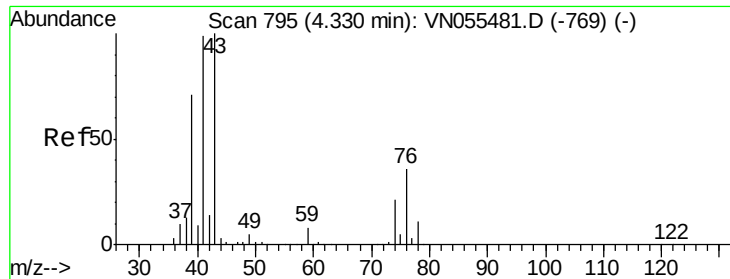
Tgt Ion: 76 Resp: 7007

Ion Ratio Lower Upper

76 100

78 6.7 7.4 11.0#

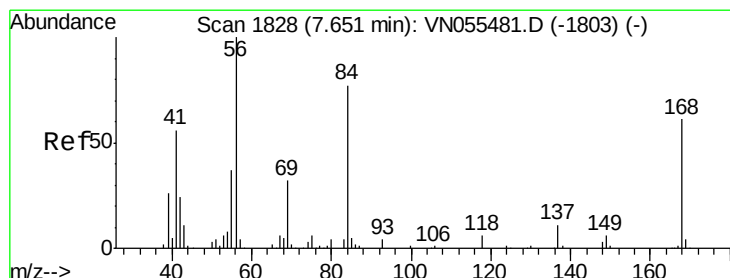
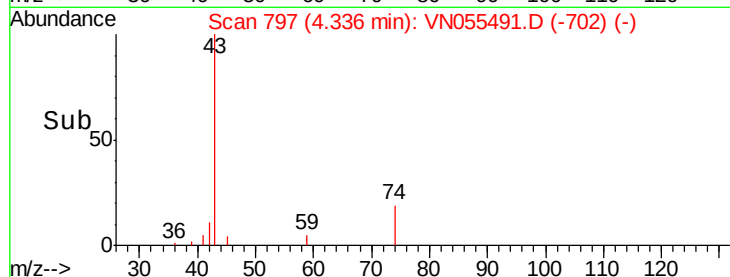
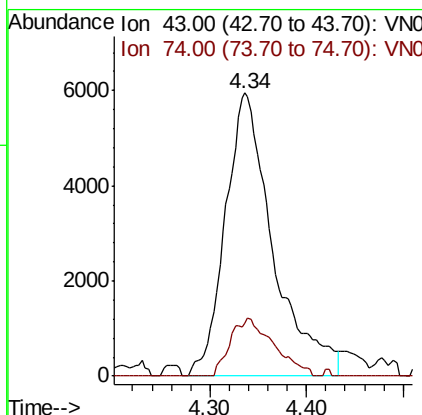
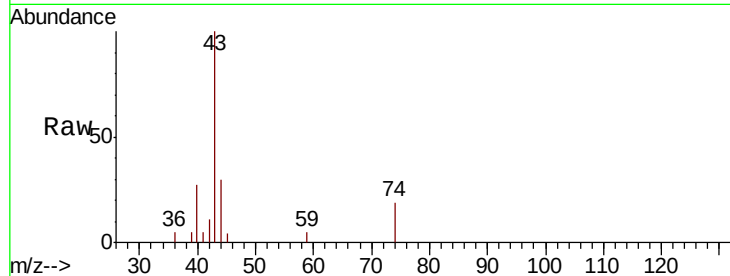




#18
Methyl Acetate
Concen: 0.686 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055491.D
Acq: 9 May 2019 12:43

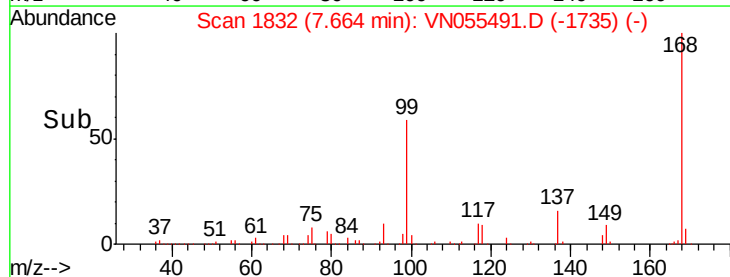
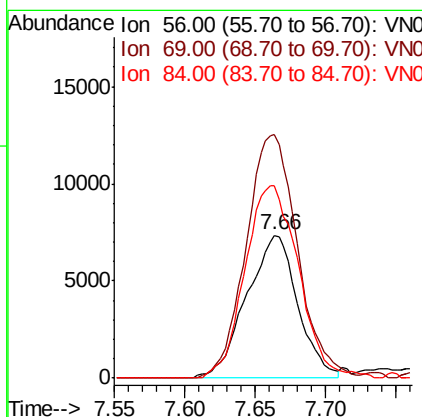
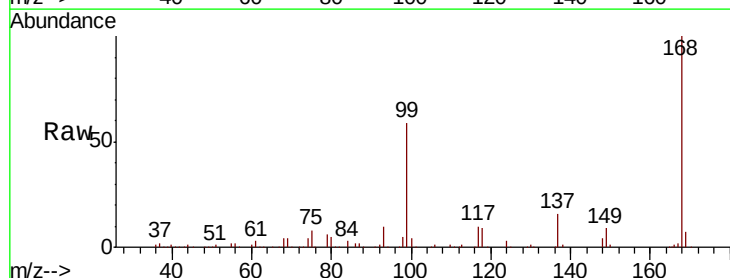
Instrument :
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SB-04-1.0-1.5

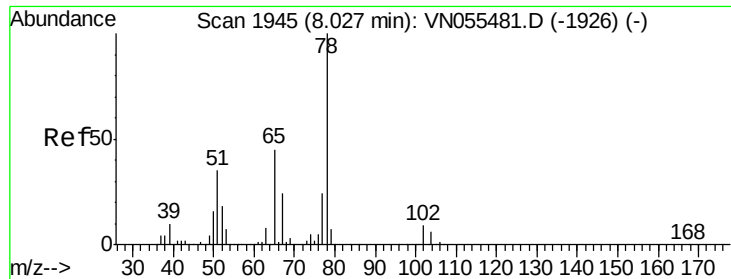
Tgt Ion: 43 Resp: 20544
Ion Ratio Lower Upper
43 100
74 18.6 16.3 24.5



#31
Cyclohexane
Concen: 0.970 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055491.D
Acq: 9 May 2019 12:43

Tgt Ion: 56 Resp: 18631
Ion Ratio Lower Upper
56 100
69 170.9 26.0 39.0#
84 135.2 61.9 92.9#

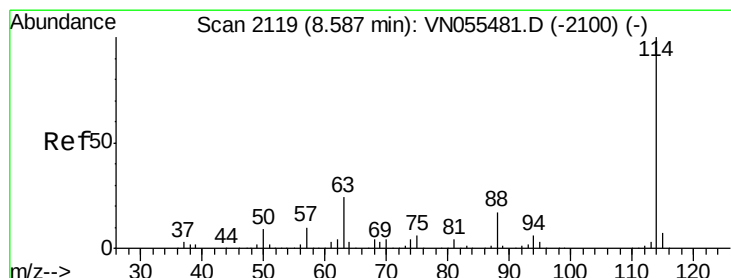
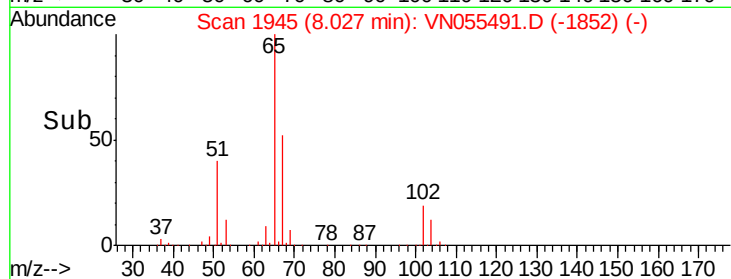
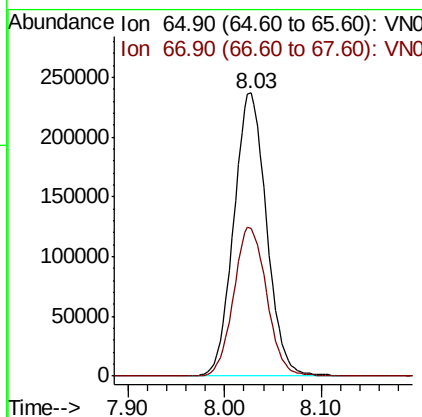
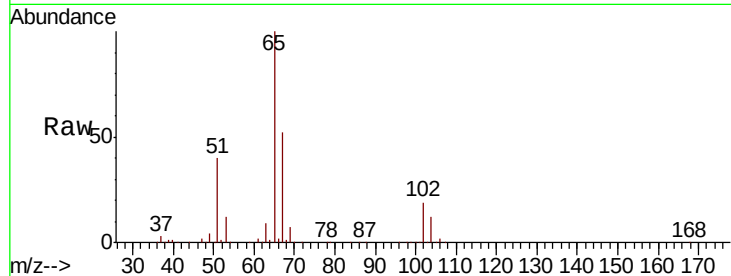




#33
 1,2-Dichloroethane-d4
 Concen: 46.867 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

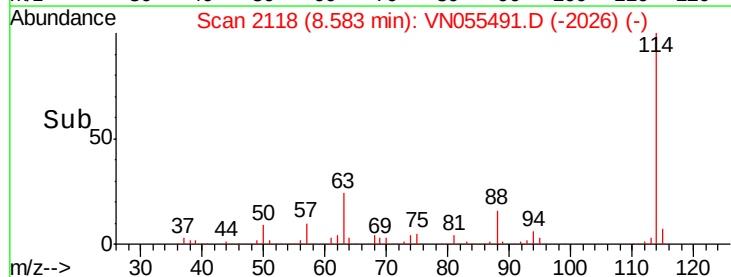
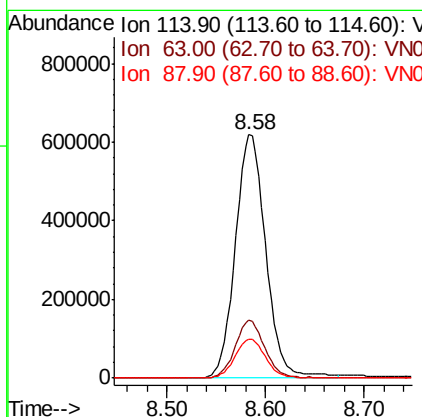
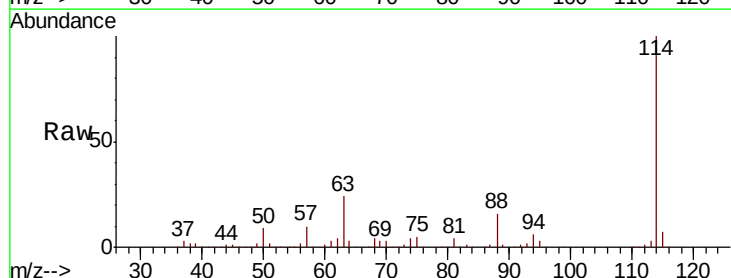
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-04-1.0-1.5

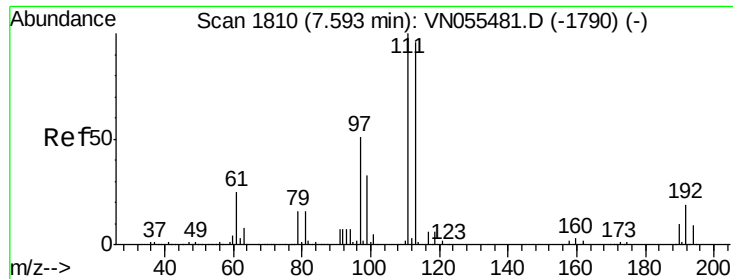
Tgt Ion: 65 Resp: 557712
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

Tgt Ion: 114 Resp: 1329351
 Ion Ratio Lower Upper
 114 100
 63 23.6 0.0 47.4
 88 16.0 0.0 34.0

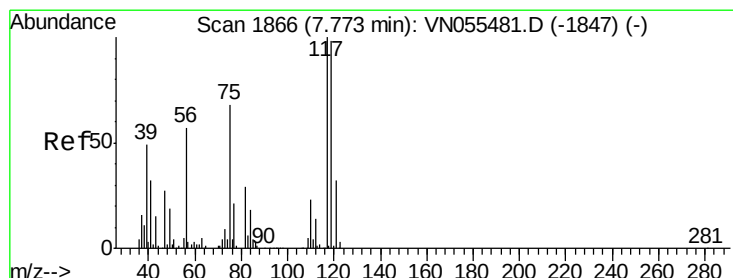
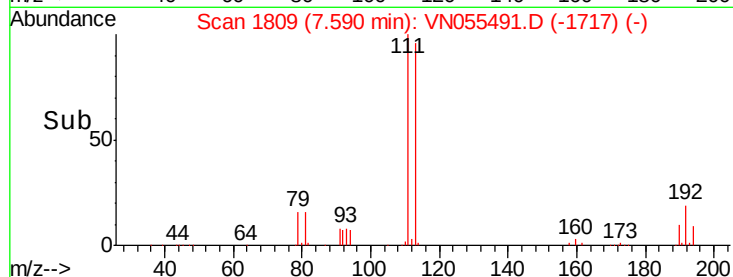
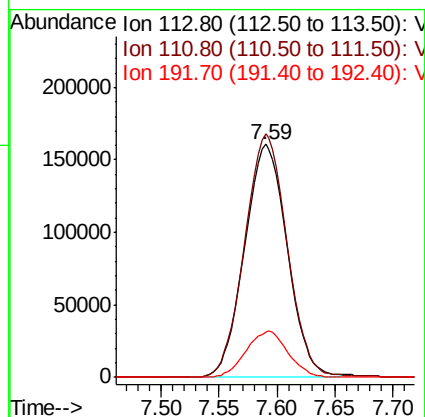
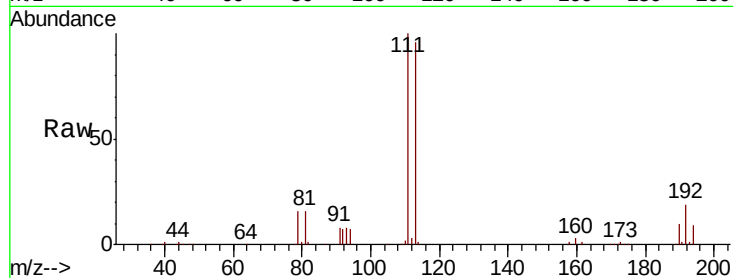




#35
 Dibromofluoromethane
 Concen: 48.053 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

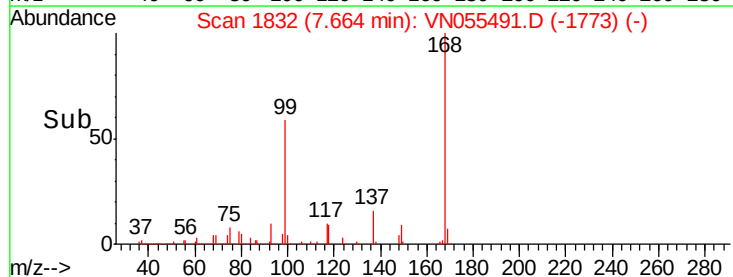
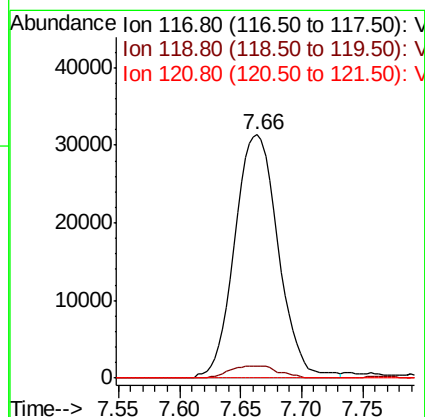
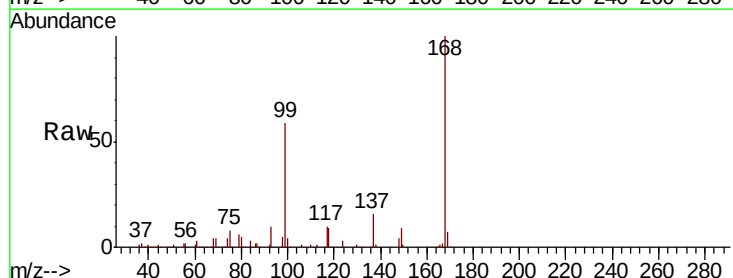
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 MSVOA_N
 ClientSampleId :
 SB-04-1.0-1.5

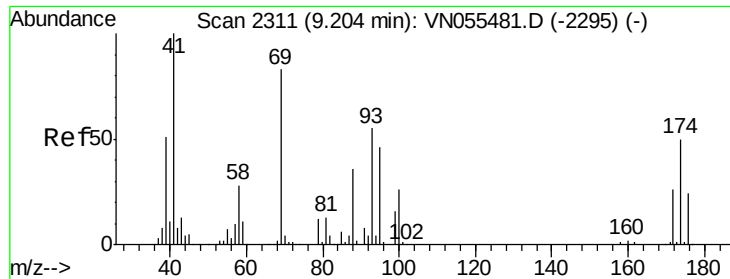
Tgt Ion:113 Resp: 412070
 Ion Ratio Lower Upper
 113 100
 111 104.3 82.9 124.3
 192 19.4 15.6 23.4



#38
 Carbon Tetrachloride
 Concen: 7.044 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

Tgt Ion:117 Resp: 77677
 Ion Ratio Lower Upper
 117 100
 119 5.1 77.8 116.6#
 121 0.0 25.2 37.8#

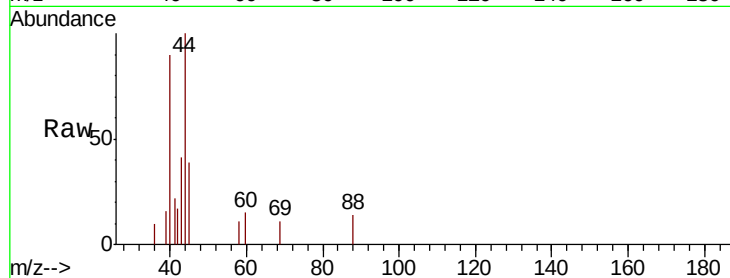




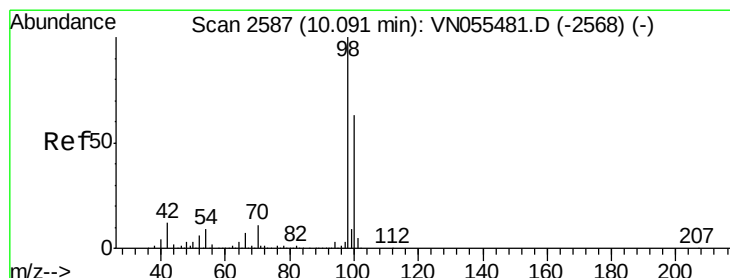
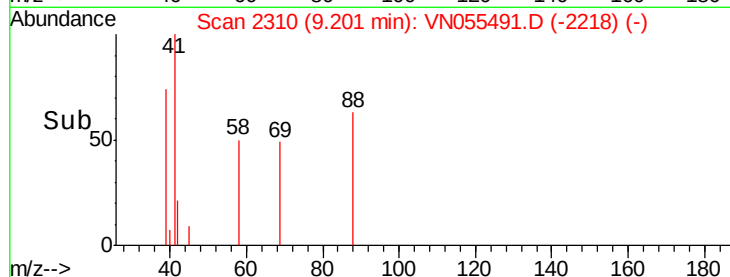
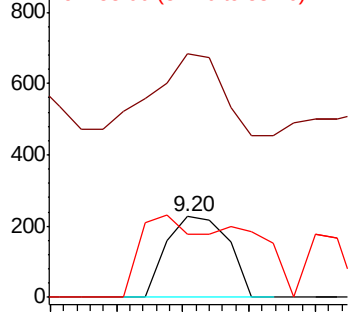
#49
1,4-Dioxane
Concen: 0.716 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN055491.D
Acq: 9 May 2019 12:43

Instrument :
MSVOA_N
ClientSampled :
SB-04-1.0-1.5

Tgt Ion: 88 Resp: 146
Ion Ratio Lower Upper
88 100
43 220.5 27.8 41.8#
58 104.8 61.8 92.6#

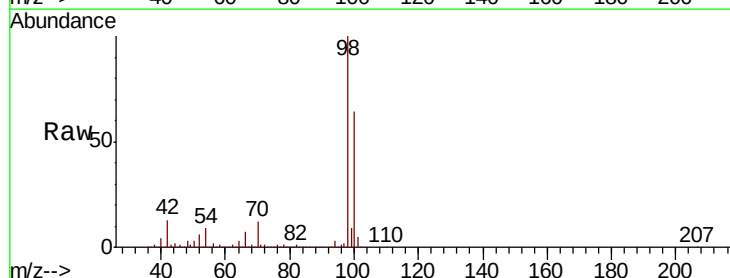


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

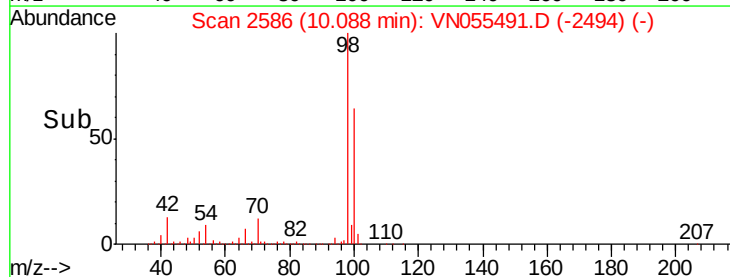
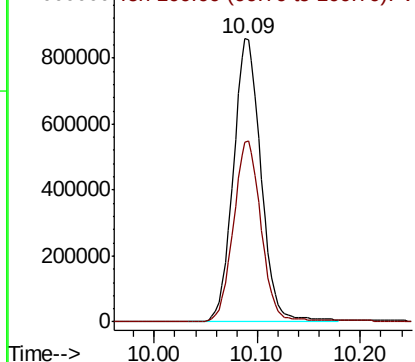


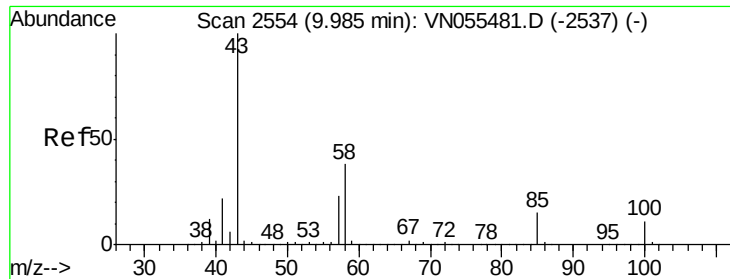
#50
Toluene-d8
Concen: 48.260 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055491.D
Acq: 9 May 2019 12:43

Tgt Ion: 98 Resp: 1612710
Ion Ratio Lower Upper
98 100
100 65.1 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.361 ug/l

RT: 9.99 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

Instrument :

MSVOA_N

ClientSampled :

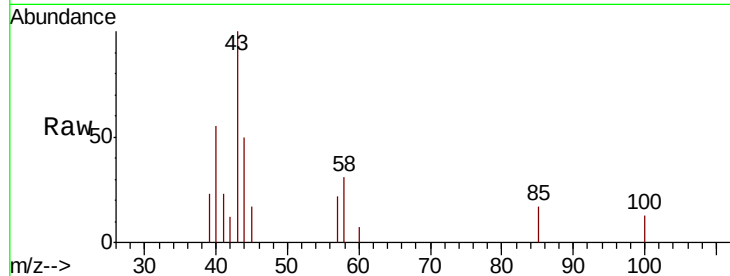
SB-04-1.0-1.5

Tgt Ion: 43 Resp: 5150

Ion Ratio Lower Upper

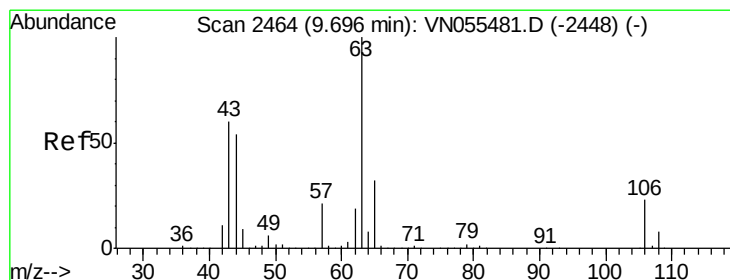
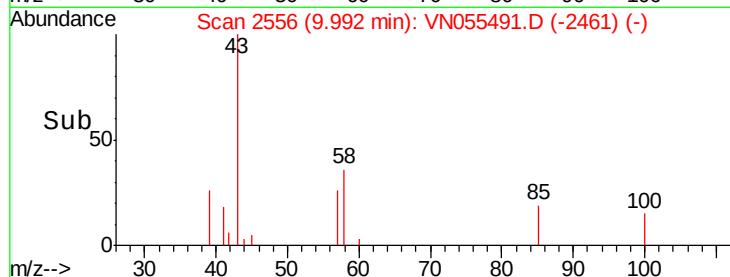
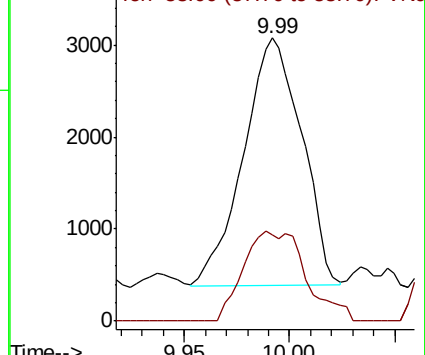
43 100

58 39.1 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 12.586 ug/l

RT: 9.70 min Scan# 2466

Delta R.T. 0.01 min

Lab File: VN055491.D

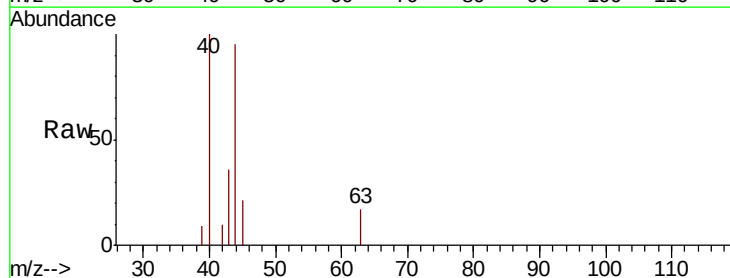
Acq: 9 May 2019 12:43

Tgt Ion: 63 Resp: 368

Ion Ratio Lower Upper

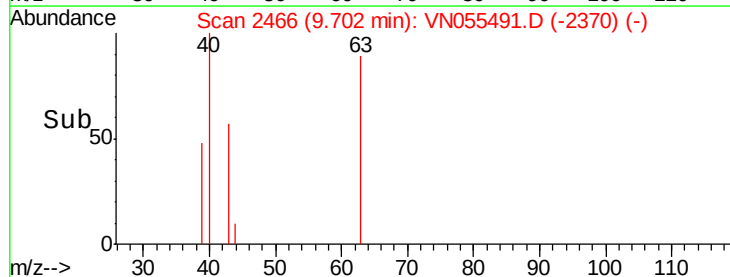
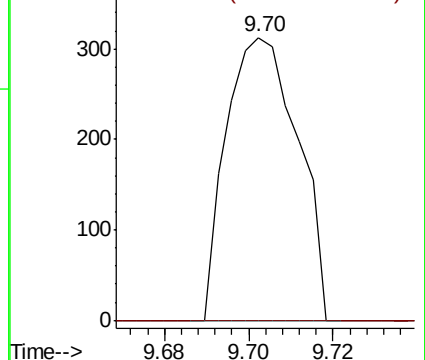
63 100

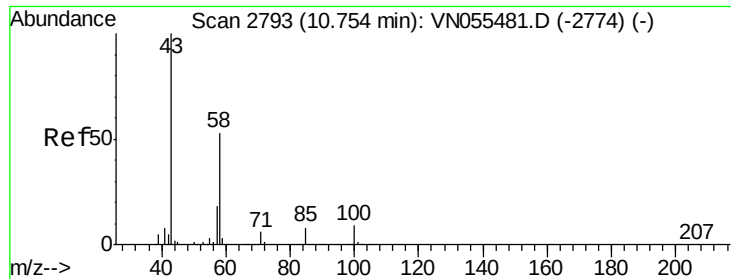
106 0.0 18.6 27.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 0.998 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

Instrument :

MSVOA_N

ClientSampled :

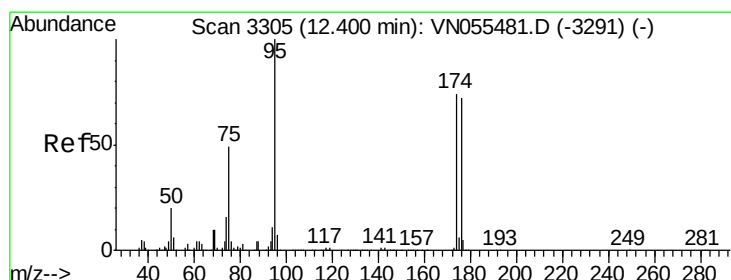
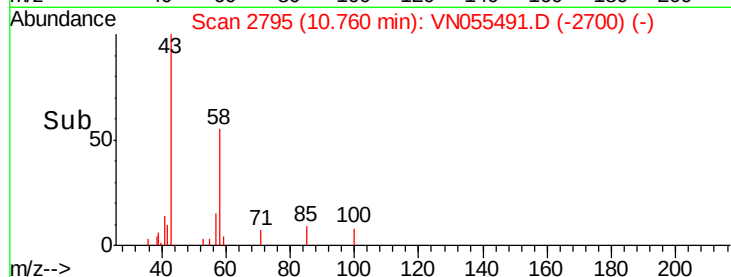
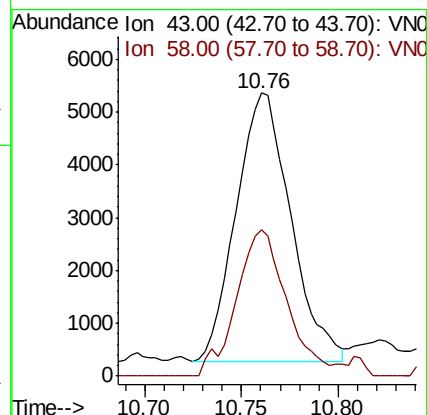
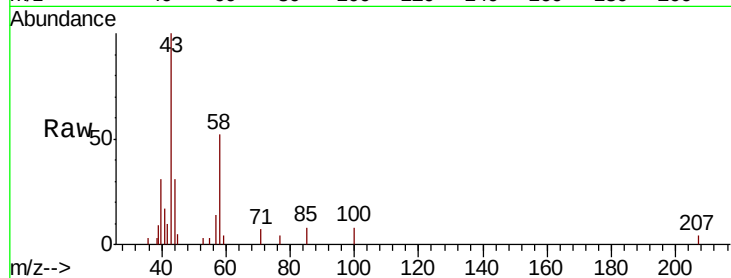
SB-04-1.0-1.5

Tgt Ion: 43 Resp: 9993

Ion Ratio Lower Upper

43 100

58 50.3 26.4 79.0



#62

4-Bromofluorobenzene

Concen: 46.790 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

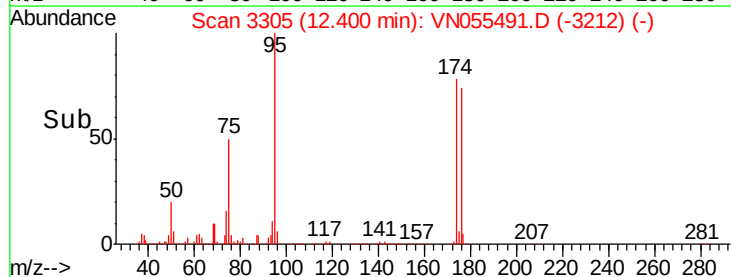
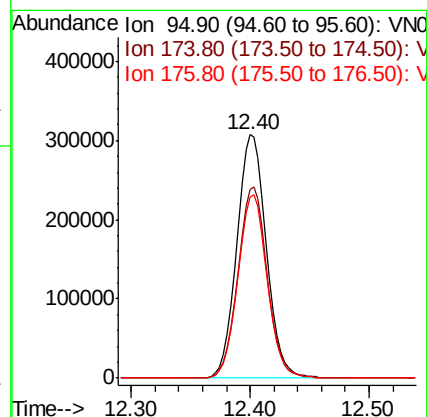
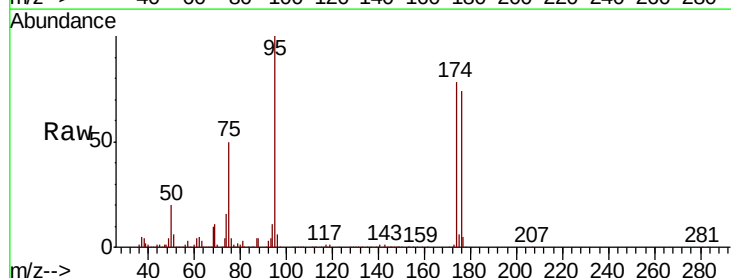
Tgt Ion: 95 Resp: 527224

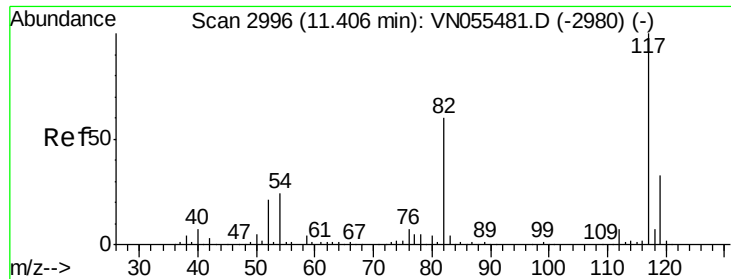
Ion Ratio Lower Upper

95 100

174 78.2 0.0 152.2

176 74.9 0.0 147.8

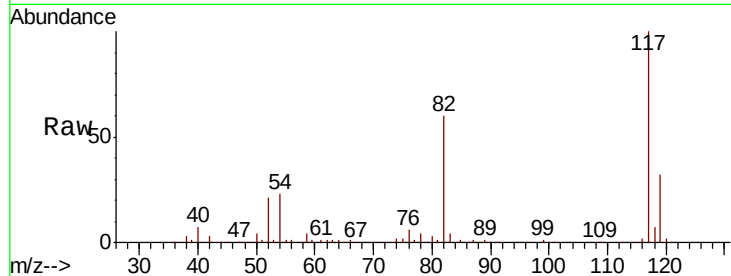




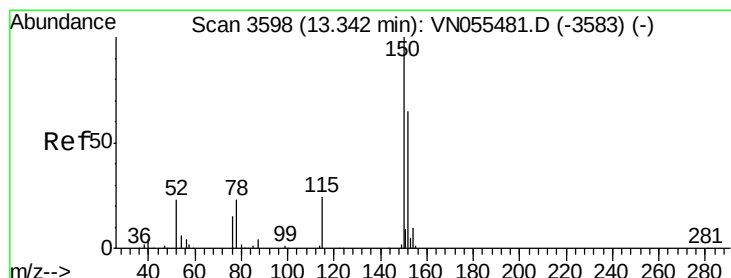
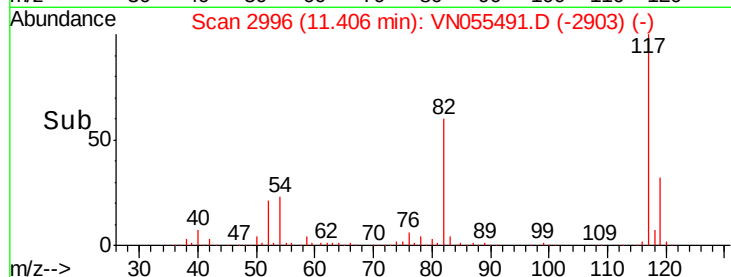
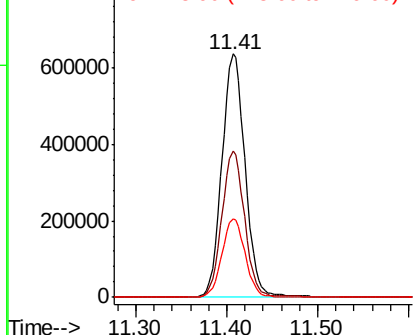
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN055491.D
Acq: 9 May 2019 12:43

Instrument :
MSVOA_N
ClientSampleId :
SB-04-1.0-1.5

Tgt Ion:117 Resp: 1131941
Ion Ratio Lower Upper
117 100
82 60.0 48.0 72.0
119 32.2 26.0 39.0

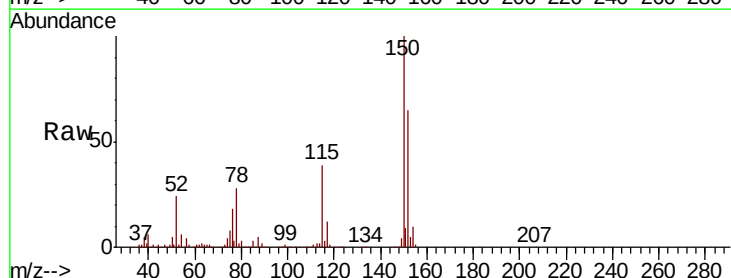


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

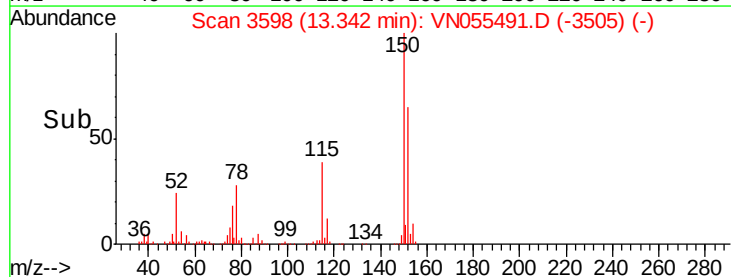
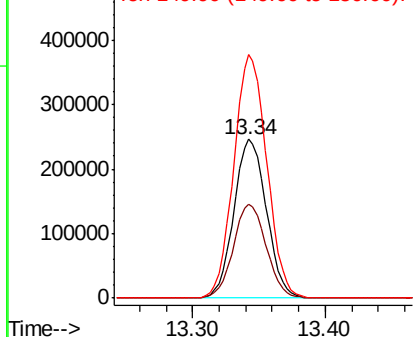


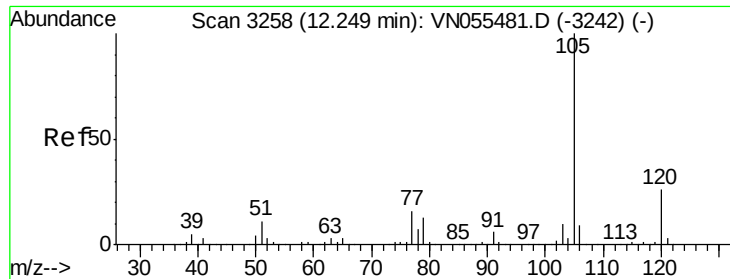
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN055491.D
Acq: 9 May 2019 12:43

Tgt Ion:152 Resp: 419918
Ion Ratio Lower Upper
152 100
115 59.8 30.1 90.5
150 155.2 0.0 355.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: Below Cal

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

Instrument :

MSVOA_N

ClientSampleId :

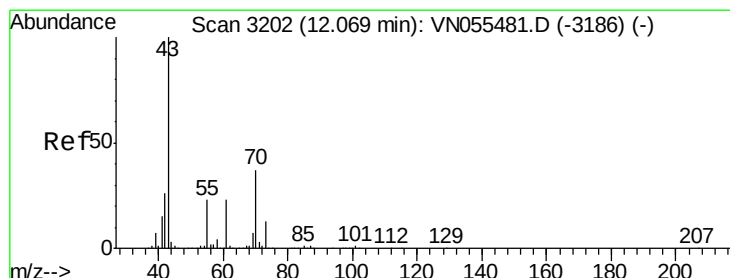
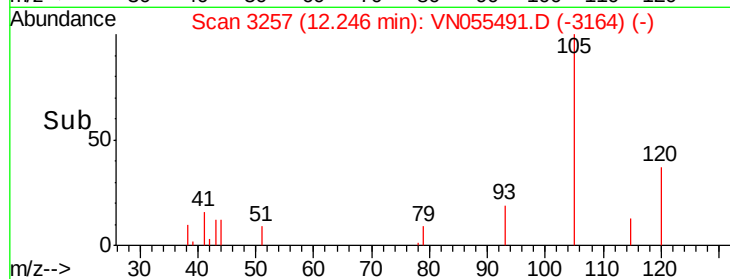
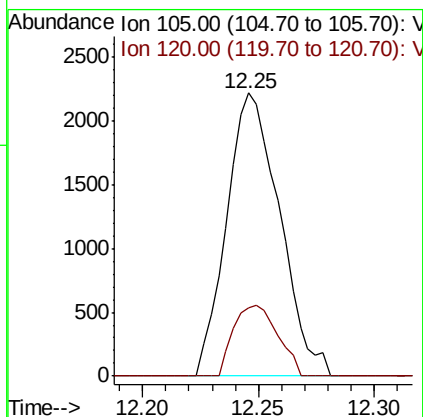
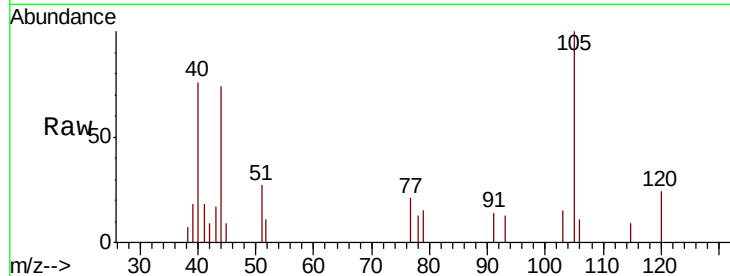
SB-04-1.0-1.5

Tgt Ion: 105 Resp: 3515

Ion Ratio Lower Upper

105 100

120 20.8 13.0 39.0



#74

N-amyl acetate

Concen: 0.255 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

Tgt Ion: 43 Resp: 4068

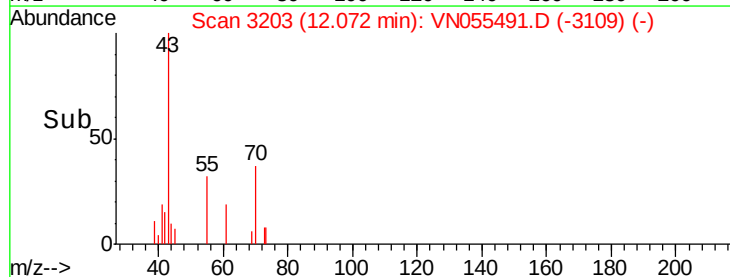
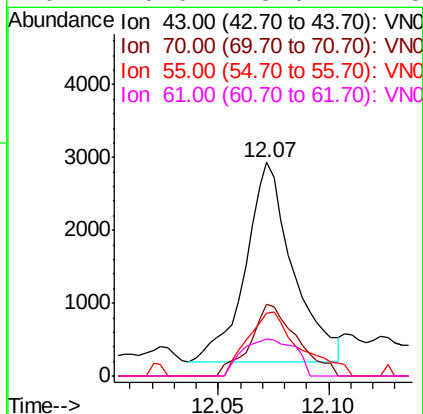
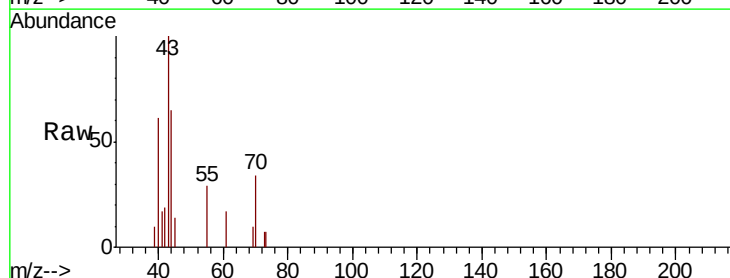
Ion Ratio Lower Upper

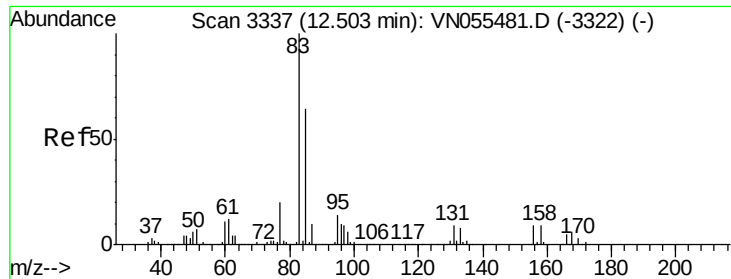
43 100

70 35.3 30.7 46.1

55 35.7 19.3 28.9#

61 20.6 18.6 27.8





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

Instrument :

MSVOA_N

ClientSampleId :

SB-04-1.0-1.5

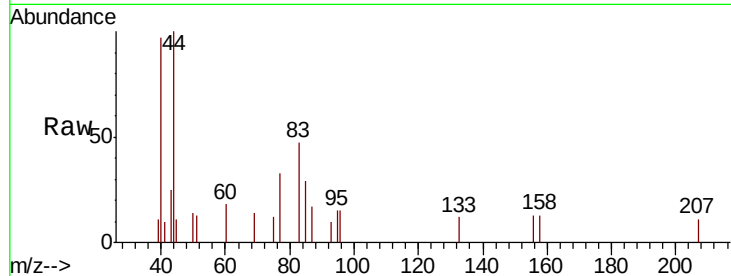
Tgt Ion: 83 Resp: 1219

Ion Ratio Lower Upper

83 100

131 0.0 4.5 13.5#

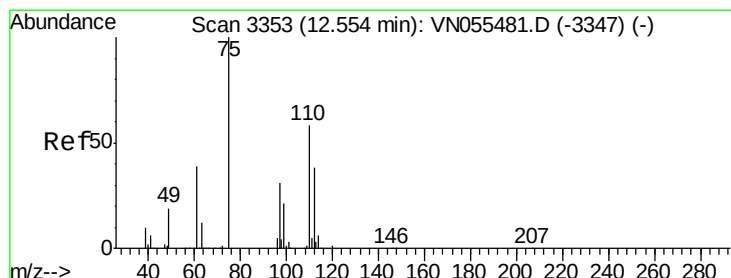
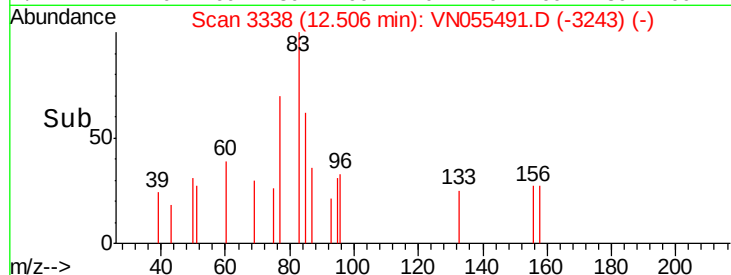
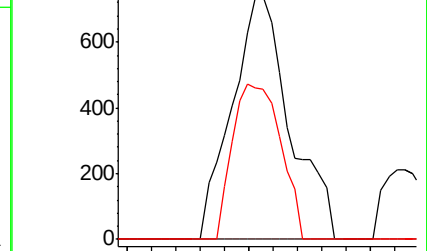
85 53.2 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 23.126 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN055491.D

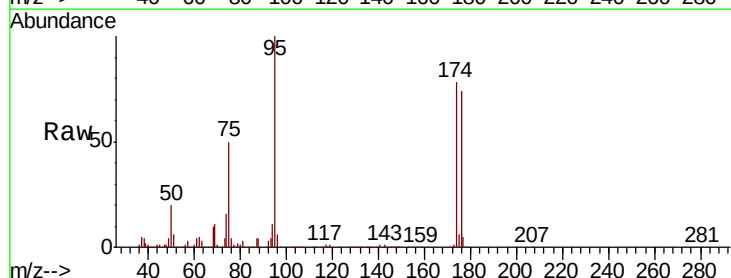
Acq: 9 May 2019 12:43

Tgt Ion: 75 Resp: 264368

Ion Ratio Lower Upper

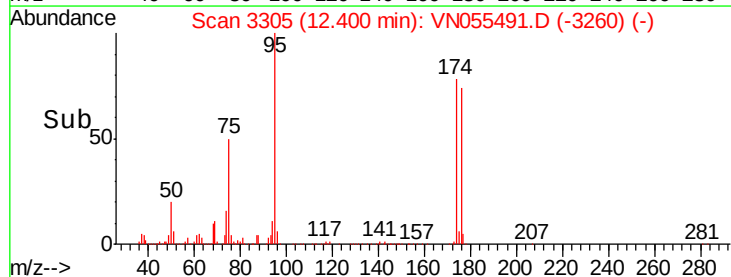
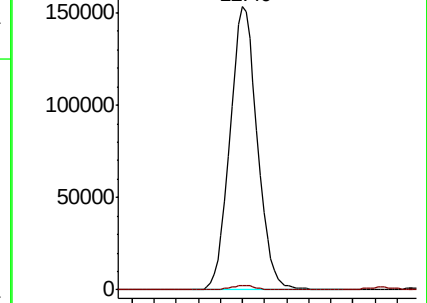
75 100

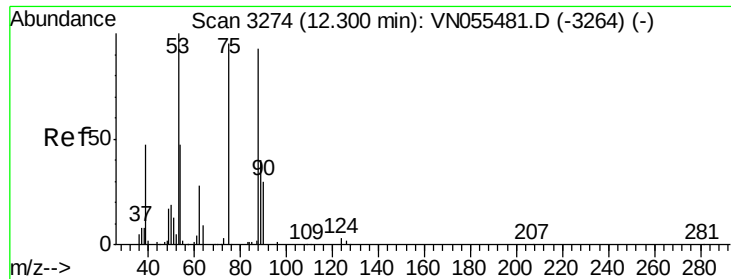
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 85.332 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

Instrument :

MSVOA_N

ClientSampleId :

SB-04-1.0-1.5

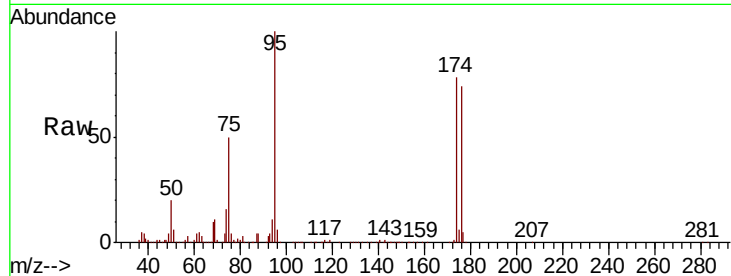
Tgt Ion: 75 Resp: 264368

Ion Ratio Lower Upper

75 100

53 0.0 86.5 129.7#

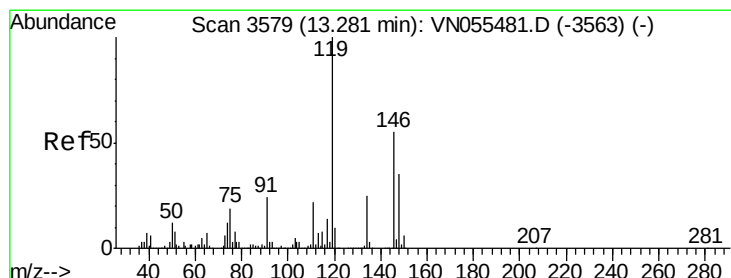
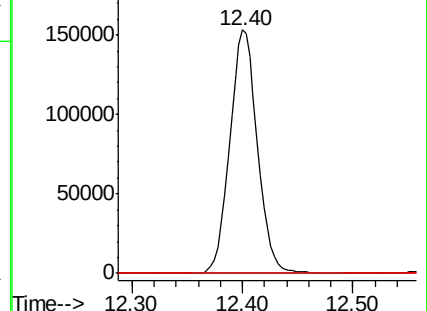
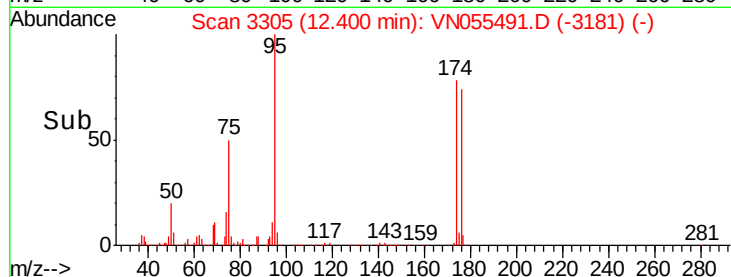
89 0.0 35.7 53.5#



Abundance Ion 74.90 (74.60 to 75.60): VN055481.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055481.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055481.D (-3264) (-)



#87

1,3-Dichlorobenzene

Concen: 0.257 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN055491.D

Acq: 9 May 2019 12:43

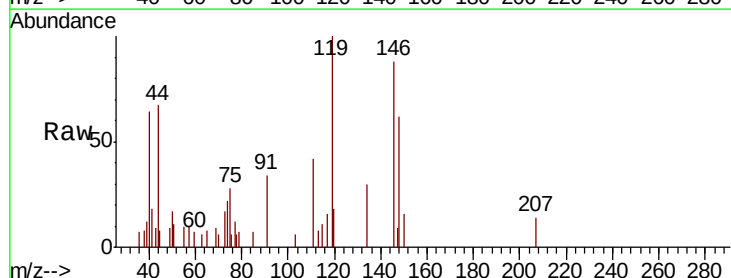
Tgt Ion: 146 Resp: 3672

Ion Ratio Lower Upper

146 100

111 48.9 20.4 61.3

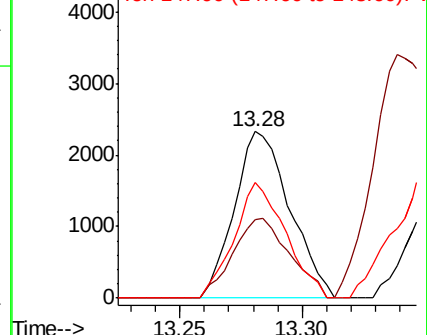
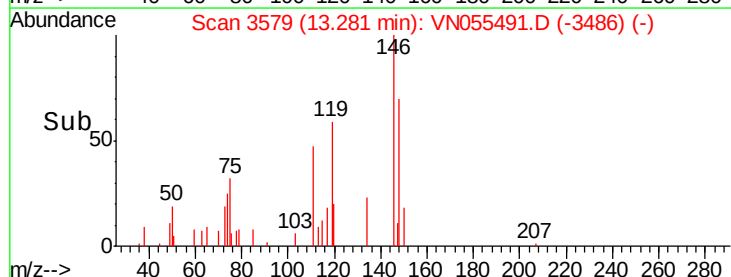
148 64.1 32.1 96.5

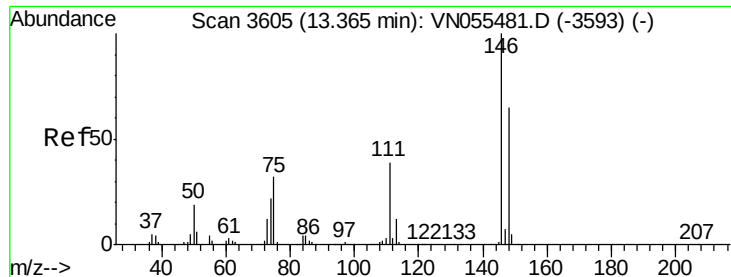


Abundance Ion 145.90 (145.60 to 146.60): VN055481.D (-3563) (-)

Ion 110.90 (110.60 to 111.60): VN055481.D (-3563) (-)

Ion 147.90 (147.60 to 148.60): VN055481.D (-3563) (-)

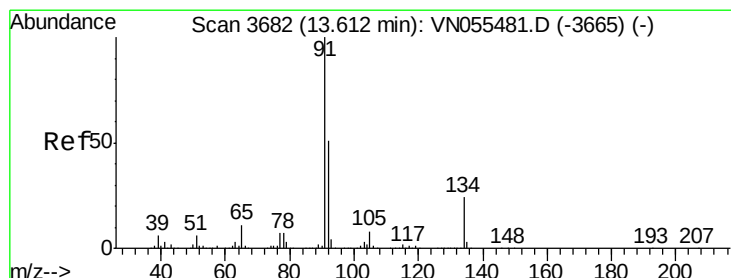
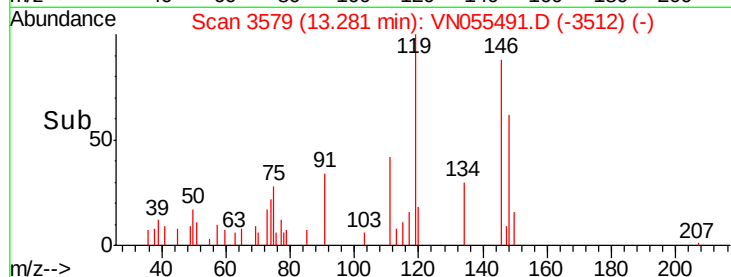
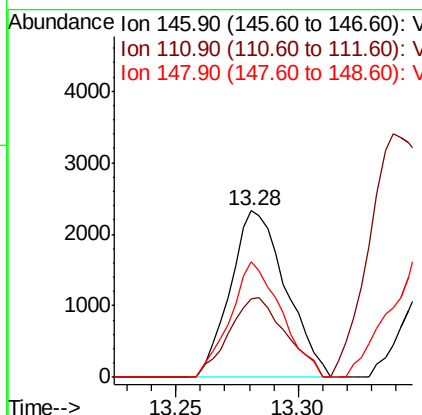
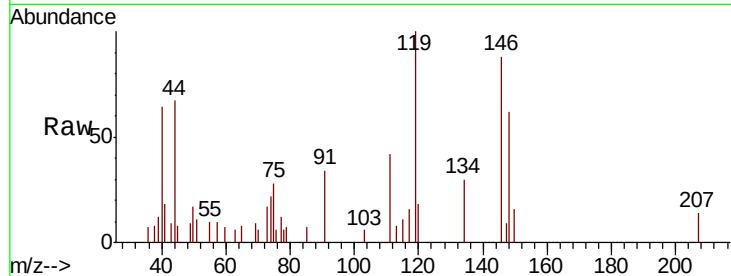




#88
 1,4-Dichlorobenzene
 Concen: 0.260 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

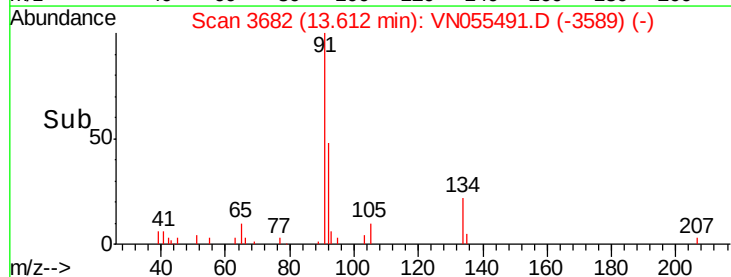
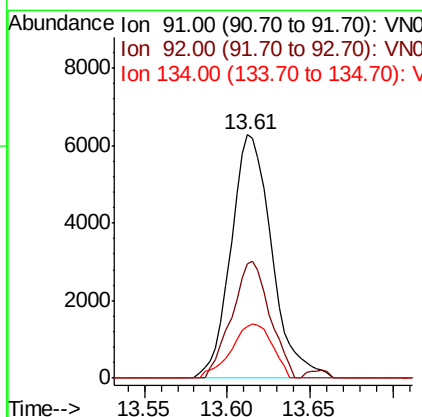
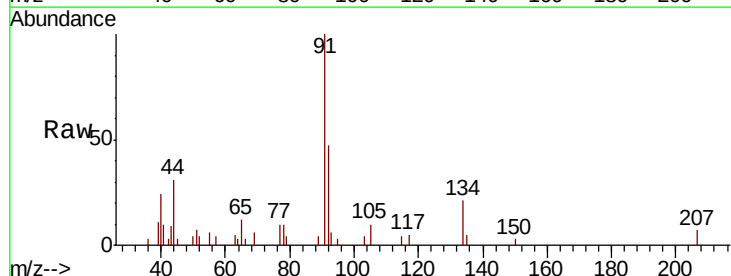
Instrument :
 MSVOA_N
 ClientSampled :
 SB-04-1.0-1.5

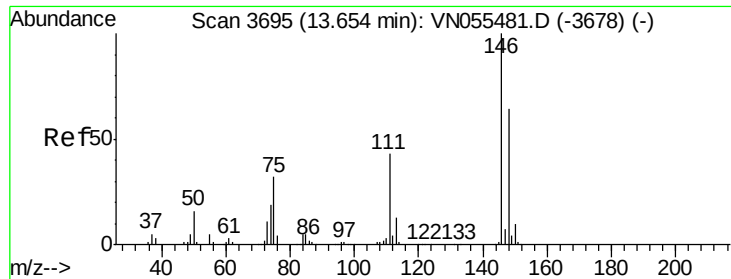
Tgt Ion: 146 Resp: 3672
 Ion Ratio Lower Upper
 146 100
 111 48.9 19.6 58.8
 148 64.1 32.5 97.4



#89
 n-Butylbenzene
 Concen: 0.445 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

Tgt Ion: 91 Resp: 10742
 Ion Ratio Lower Upper
 91 100
 92 44.6 25.9 77.7
 134 22.3 11.8 35.4

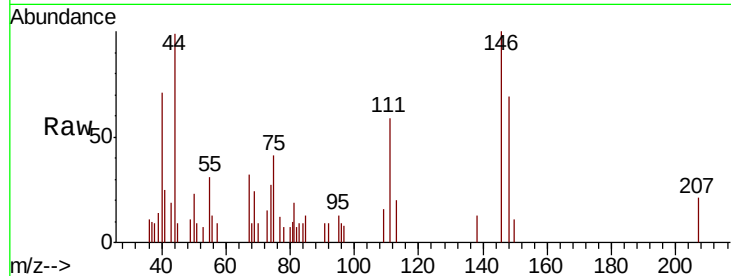




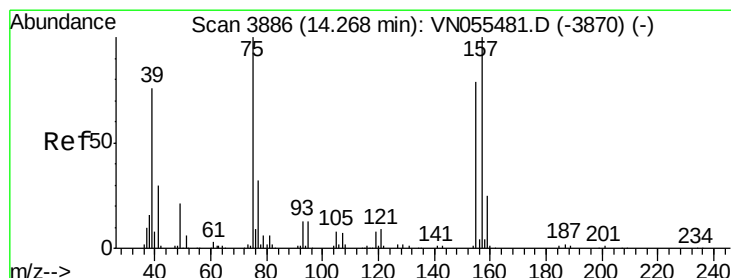
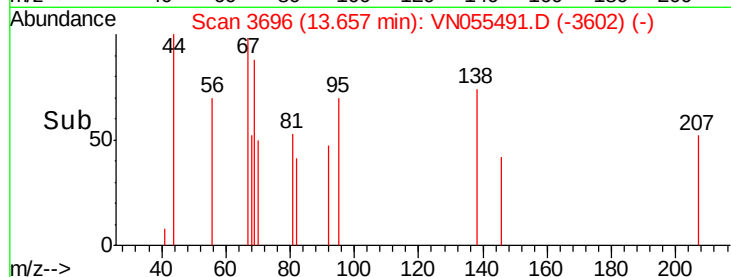
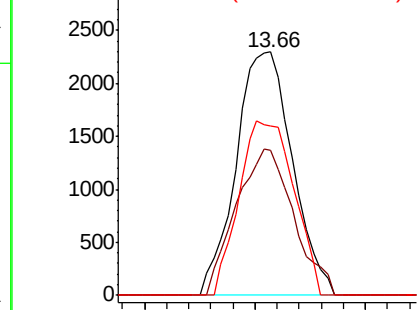
#91
 1,2-Dichlorobenzene
 Concen: 0.285 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-04-1.0-1.5

Tgt Ion: 146 Resp: 4080
 Ion Ratio Lower Upper
 146 100
 111 61.5 21.3 63.7
 148 69.5 31.9 95.9

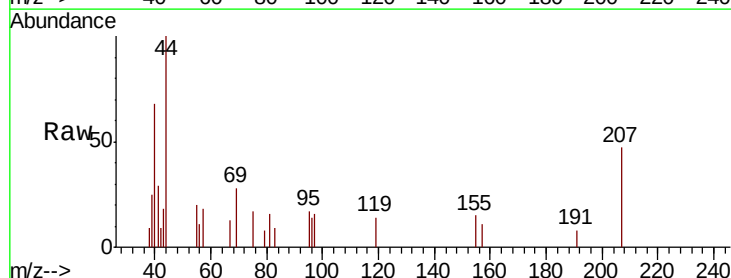


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

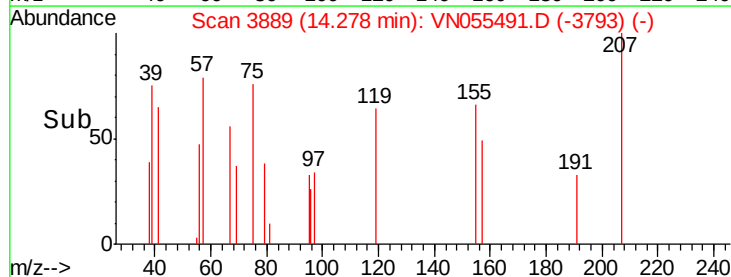
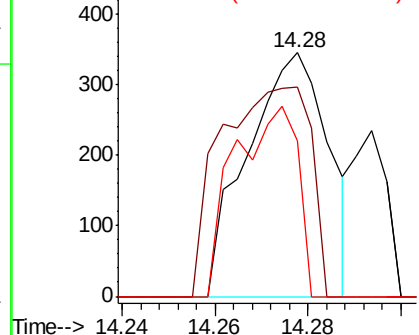


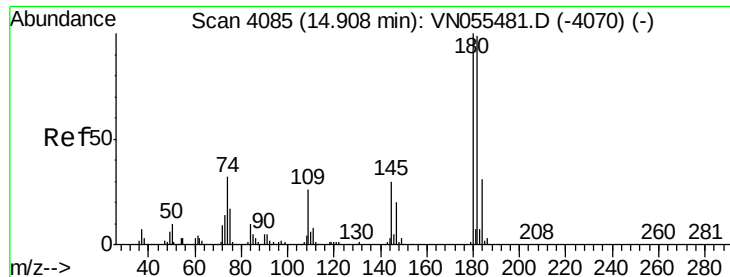
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.216 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.01 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

Tgt Ion: 75 Resp: 418
 Ion Ratio Lower Upper
 75 100
 155 95.5 39.3 117.8
 157 61.5 50.6 151.8



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

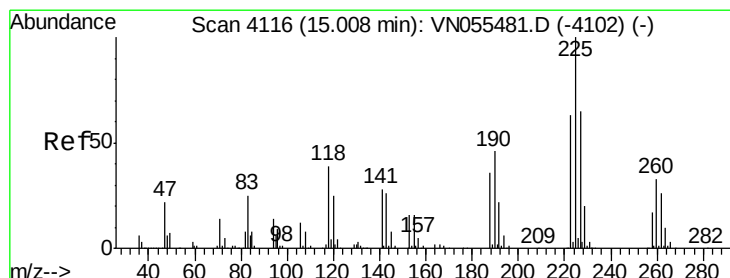
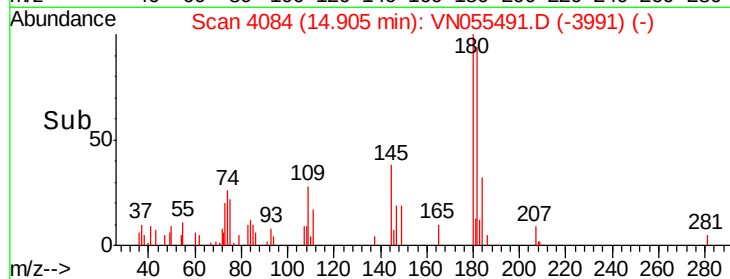
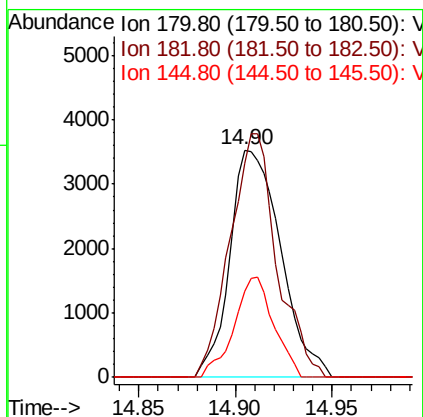
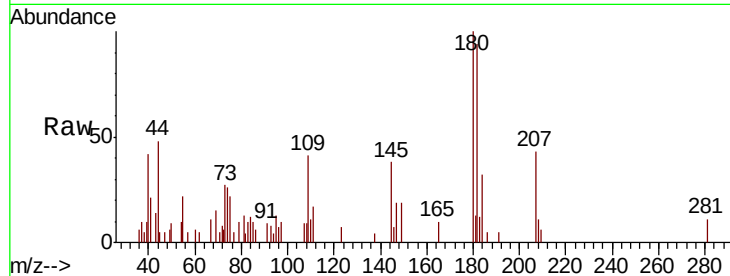




#93
 1,2,4-Trichlorobenzene
 Concen: 4.176 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

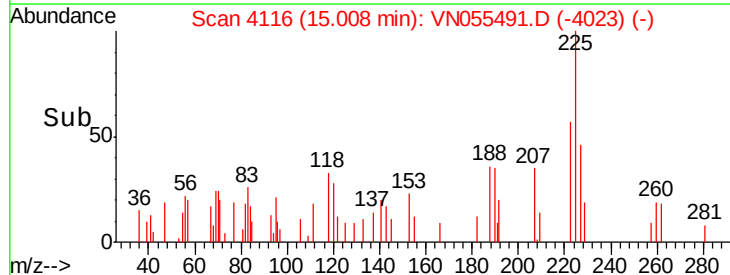
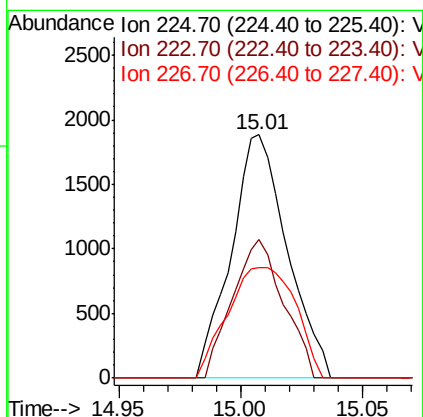
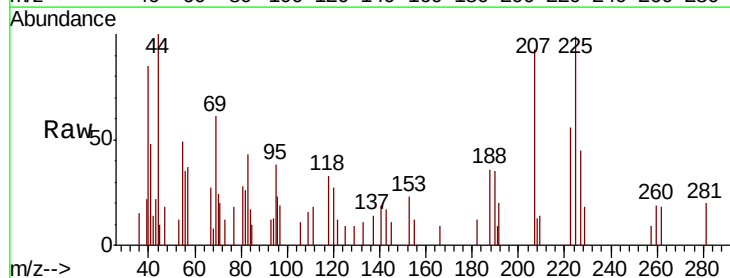
Instrument :
 MSVOA_N
 ClientSampled :
 SB-04-1.0-1.5

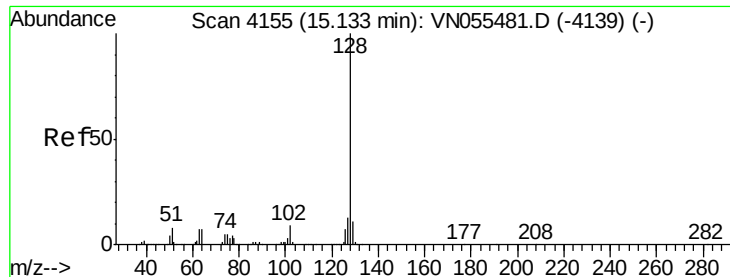
Tgt Ion:180 Resp: 6455
 Ion Ratio Lower Upper
 180 100
 182 98.9 48.7 146.1
 145 34.2 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055491.D
 Acq: 9 May 2019 12:43

Tgt Ion:225 Resp: 2994
 Ion Ratio Lower Upper
 225 100
 223 51.7 31.4 94.3
 227 55.2 32.0 96.0

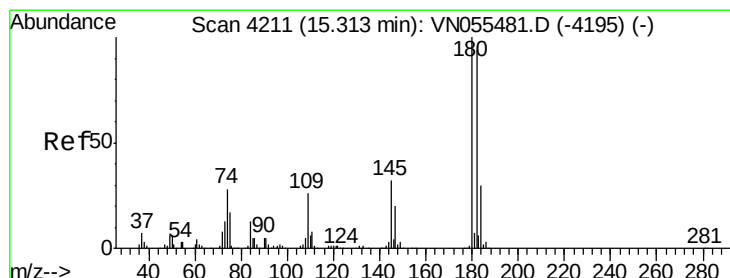
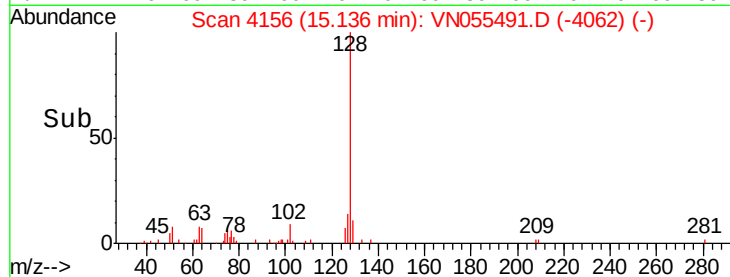
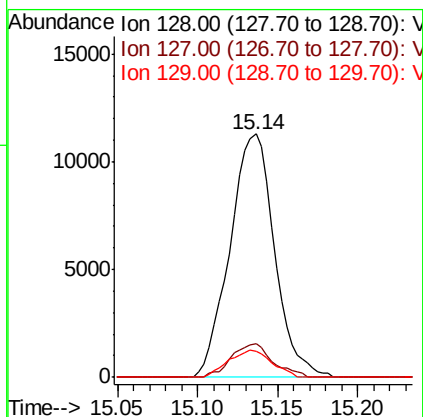
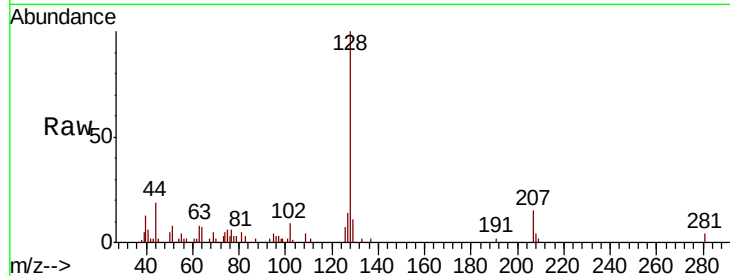




#95
Naphthalene
Concen: 4.091 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN055491.D
Acq: 9 May 2019 12:43

Instrument :
MSVOA_N
ClientSampleId :
SB-04-1.0-1.5

Tgt Ion:128 Resp: 21461
Ion Ratio Lower Upper
128 100
127 12.8 10.0 15.0
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 3.434 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. -0.00 min
Lab File: VN055491.D
Acq: 9 May 2019 12:43

Tgt Ion:180 Resp: 7161
Ion Ratio Lower Upper
180 100
182 99.7 47.1 141.3
145 36.1 15.8 47.4

