

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
 Data File : VN057455.D
 Acq On : 23 Aug 2019 1:05
 Operator : JC/SP
 Sample : K4087-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-082119

Quant Time: Aug 23 05:17:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 05:07:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	430969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	761923	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	626997	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	159172	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	360403	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
35) Dibromofluoromethane	7.57	113	237555	46.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.32%	
50) Toluene-d8	10.09	98	954903	49.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.14%	
62) 4-Bromofluorobenzene	12.40	95	259138	39.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.60%	

Target Compounds

					Qvalue	
8) Diethyl Ether	3.39	74	1283	Below Cal		55
9) 1,1,2-Trichlorotrifluoroet	3.73	101	156	Below Cal	#	25
11) Tert butyl alcohol	4.80	59	408	0.433	ug/l #	1
13) Acrolein	3.58	56	233	0.281	ug/l	89
16) Acetone	3.80	43	13353	3.835	ug/l	95
18) Methyl Acetate	4.31	43	23998	2.284	ug/l	97
20) Methylene Chloride	4.53	84	18231	3.462	ug/l	93
25) 2-Butanone	6.83	43	2492	0.659	ug/l	99
30) Chloroform	7.35	83	6950	0.750	ug/l	93
31) Cyclohexane	7.65	56	14115	1.325	ug/l #	28
36) 1,1-Dichloropropene	7.65	75	43433	5.579	ug/l #	51
38) Carbon Tetrachloride	7.65	117	47287	6.114	ug/l #	16
43) Isopropyl Acetate	8.16	43	125213	8.877	ug/l	99
46) Dibromomethane	9.20	93	30	Below Cal	#	10
48) Methyl methacrylate	9.17	41	5747	0.857	ug/l #	17
49) 1,4-Dioxane	9.18	88	30	0.346	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	9808	1.248	ug/l #	87
54) cis-1,3-Dichloropropene	9.90	75	50462	4.984	ug/l #	55
57) 1,3-Dichloropropane	10.76	76	7112	0.750	ug/l #	43
58) 2-Chloroethyl Vinyl ether	9.83	63	116	17.110	ug/l #	52
59) 2-Hexanone	10.76	43	128550	23.841	ug/l #	55
71) Bromoform	12.41	173	1269	0.386	ug/l #	1
73) Isopropylbenzene	12.25	105	372	Below Cal	#	50
74) N-amyl acetate	12.04	43	6012	Below Cal	#	50
75) 1,1,2,2-Tetrachloroethane	12.53	83	131	Below Cal	#	25
76) 1,2,3-Trichloropropane	12.40	75	153547	43.064	ug/l #	100
77) Bromobenzene	12.41	156	34	Below Cal	#	1
78) n-propylbenzene	12.60	91	552	Below Cal		98
79) 2-Chlorotoluene	12.68	91	156	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	12.74	105	3765	Below Cal		94
81) trans-1,4-Dichloro-2-buten	12.40	75	153547	110.668	ug/l #	9
82) 4-Chlorotoluene	12.78	91	419	Below Cal	#	45
83) tert-Butylbenzene	13.17	119	107	Below Cal		66
85) sec-Butylbenzene	13.18	105	678	Below Cal	#	68

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Quant Title : SW846 8260
QLast Update : Fri Aug 23 05:07:29 2019
Response via : Initial Calibration

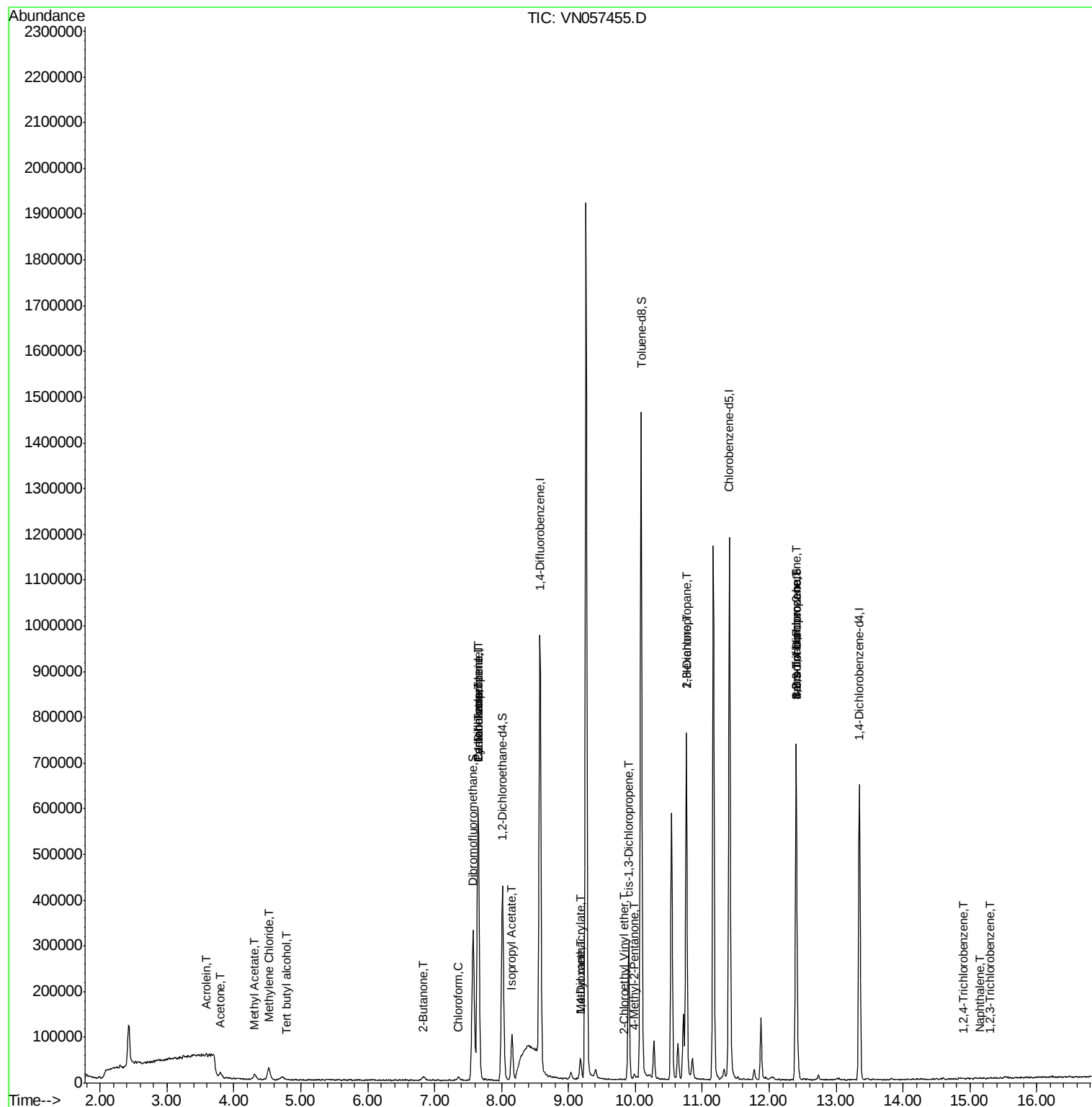
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.91	117	58	Below Cal	#	17
92) 1,2-Dibromo-3-Chloropropan	14.28	75	71	Below Cal	#	11
93) 1,2,4-Trichlorobenzene	14.91	180	311	5.512	ug/l #	32
95) Naphthalene	15.13	128	1128	4.502	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	99	5.160	ug/l #	33

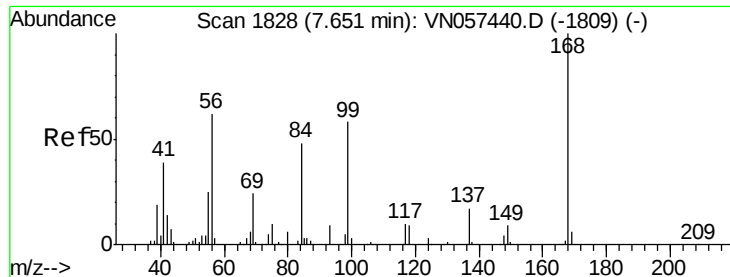
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN082219\
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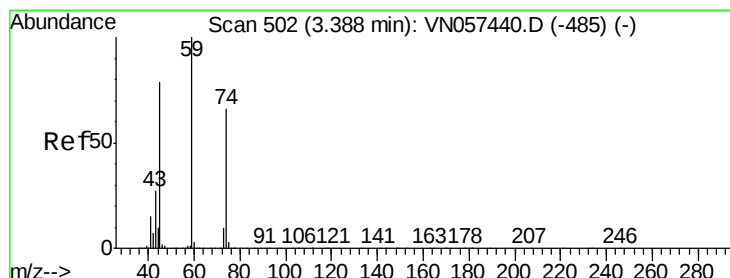
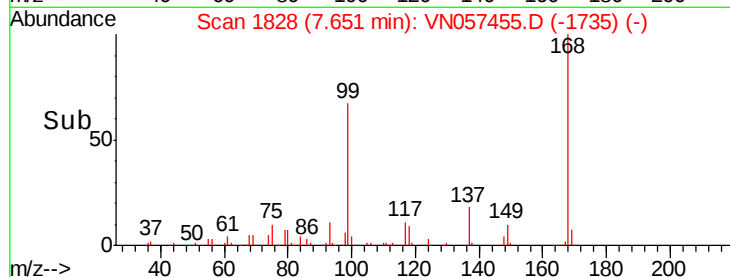
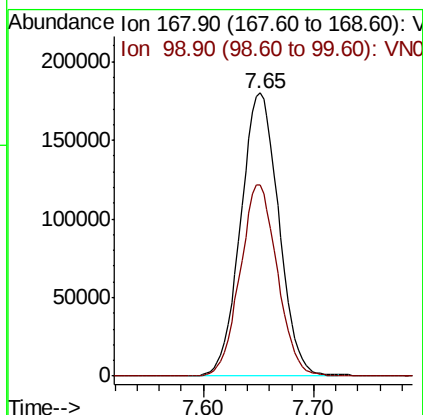
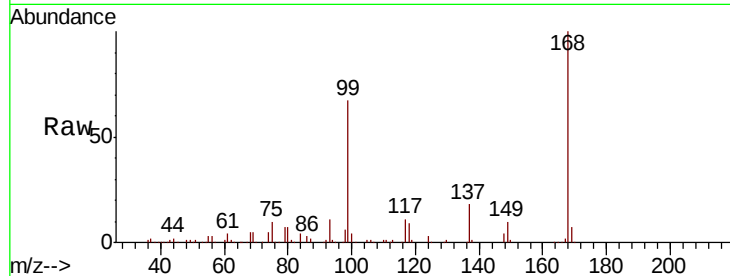




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

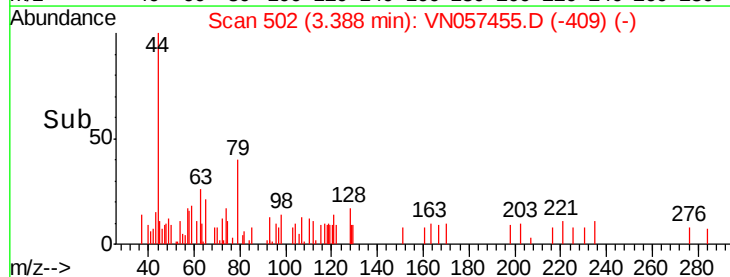
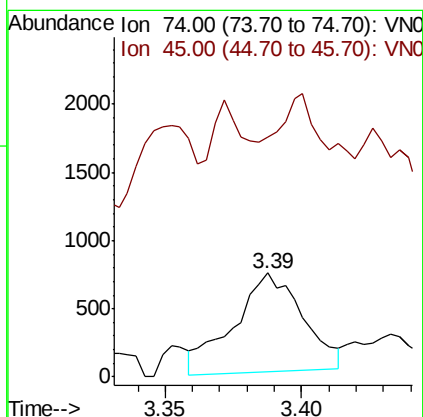
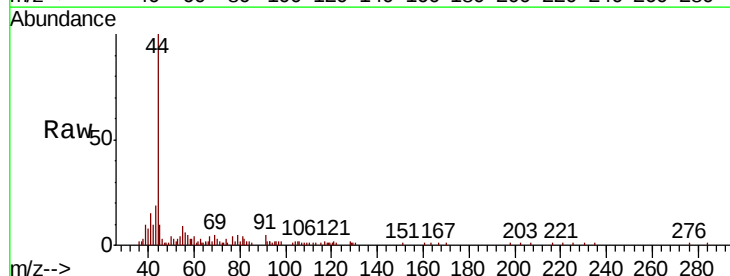
Instrument :
MSVOA_N
ClientSampleId :
HD-02-082119

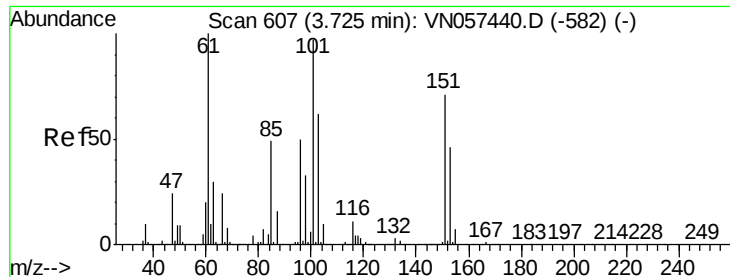
Tgt Ion:168 Resp: 430969
Ion Ratio Lower Upper
168 100
99 67.4 50.6 76.0



#8
Diethyl Ether
Concen: Below Cal
RT: 3.39 min Scan# 502
Delta R.T. 0.00 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Tgt Ion: 74 Resp: 1283
Ion Ratio Lower Upper
74 100
45 66.6 57.9 173.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: Below Cal

RT: 3.73 min Scan# 607

Delta R.T. 0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampleId :

HD-02-082119

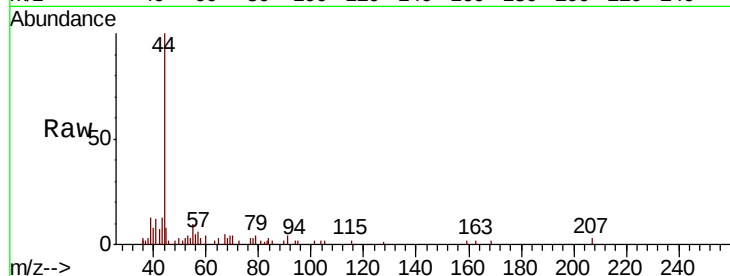
Tgt Ion: 101 Resp: 156

Ion Ratio Lower Upper

101 100

85 90.4 40.0 60.0#

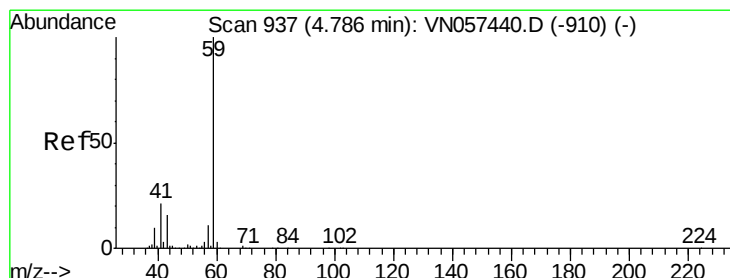
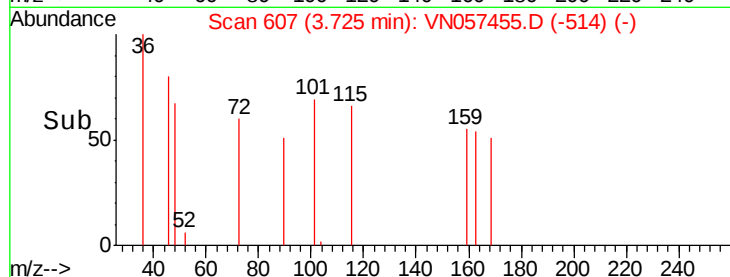
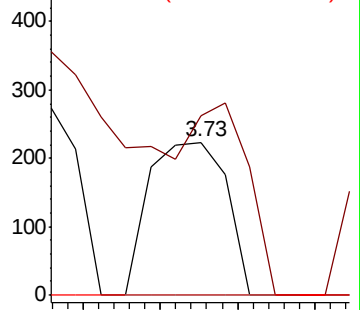
151 0.0 57.0 85.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 0.433 ug/l

RT: 4.80 min Scan# 940

Delta R.T. 0.01 min

Lab File: VN057455.D

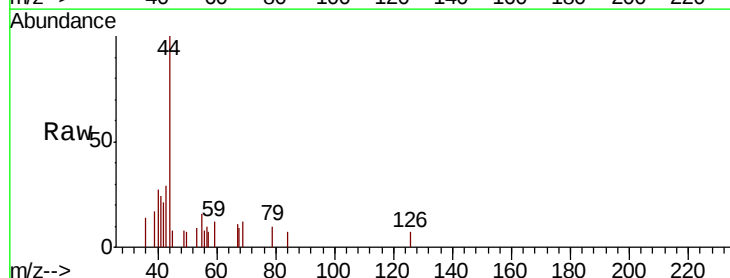
Acq: 23 Aug 2019 1:05

Tgt Ion: 59 Resp: 408

Ion Ratio Lower Upper

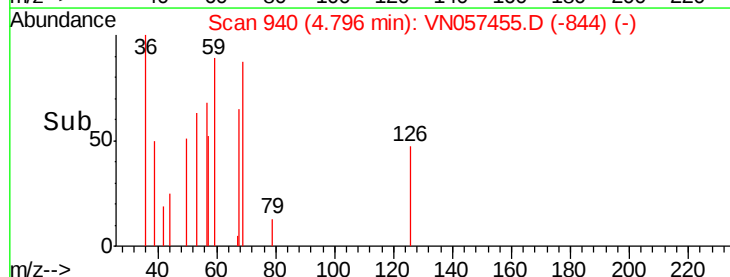
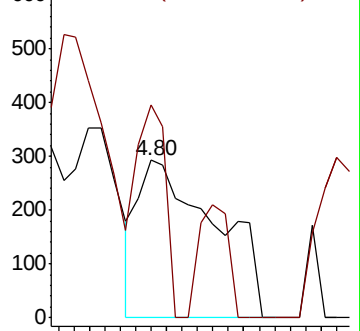
59 100

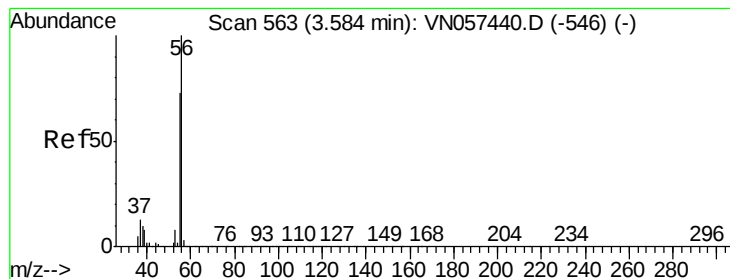
57 50.7 9.1 13.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.281 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampleId :

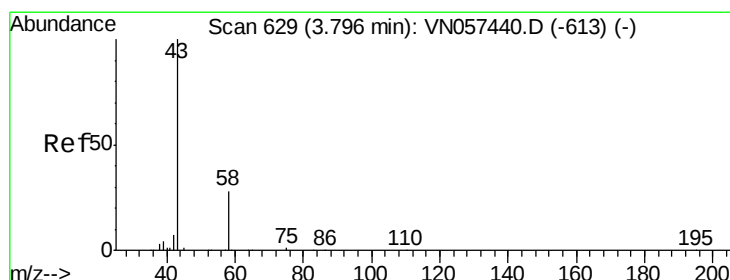
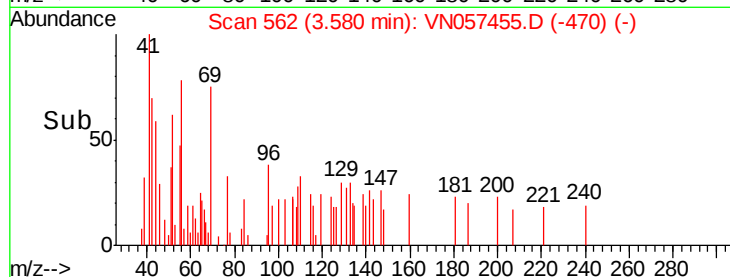
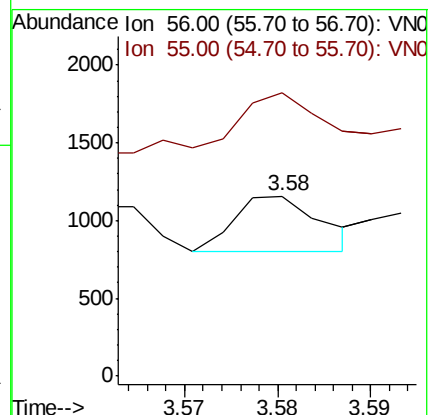
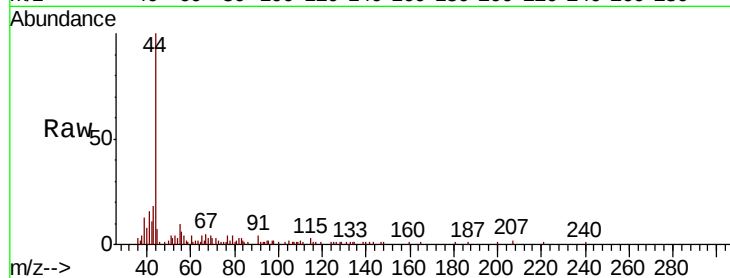
HD-02-082119

Tgt Ion: 56 Resp: 233

Ion Ratio Lower Upper

56 100

55 64.4 59.0 88.4



#16

Acetone

Concen: 3.835 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN057455.D

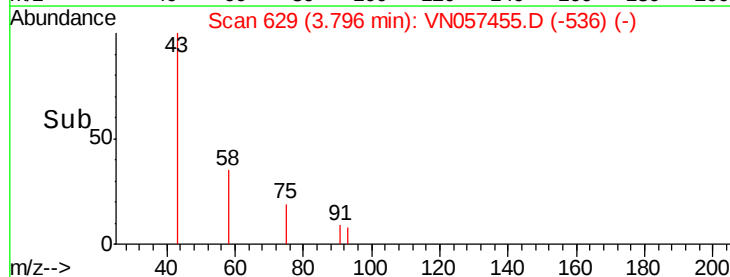
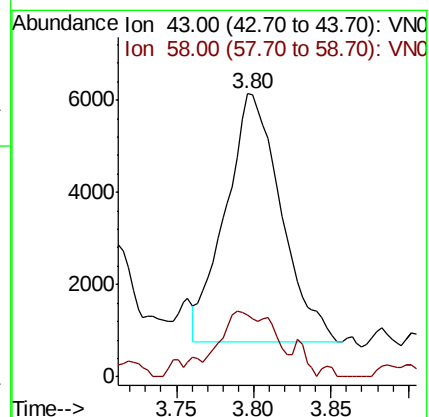
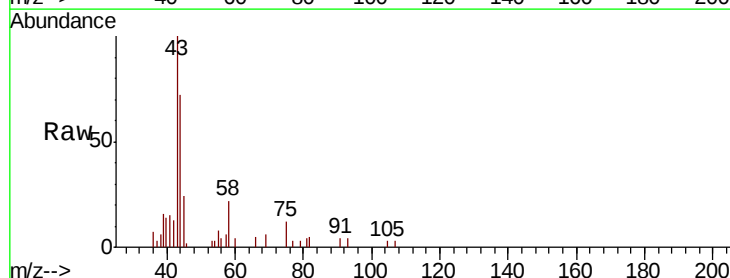
Acq: 23 Aug 2019 1:05

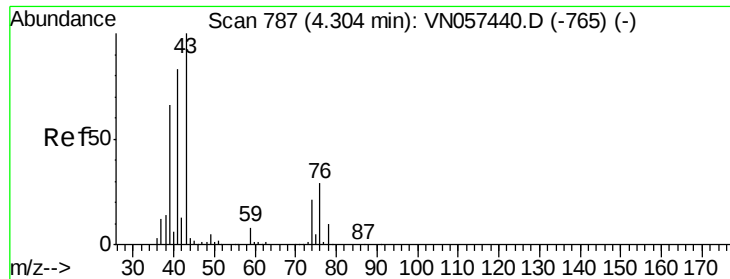
Tgt Ion: 43 Resp: 13353

Ion Ratio Lower Upper

43 100

58 25.2 22.1 33.1

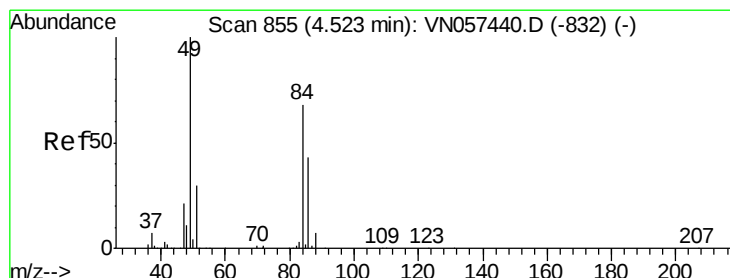
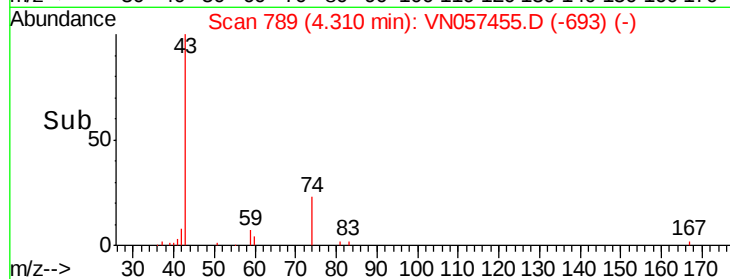
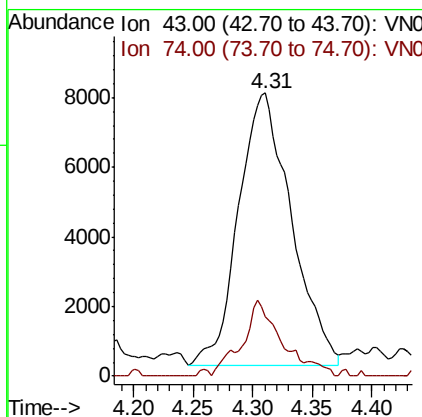
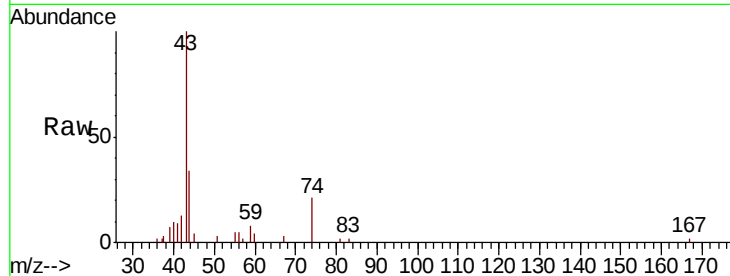




#18
Methyl Acetate
Concen: 2.284 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.01 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

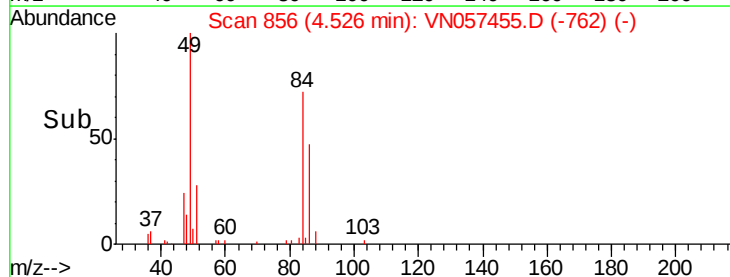
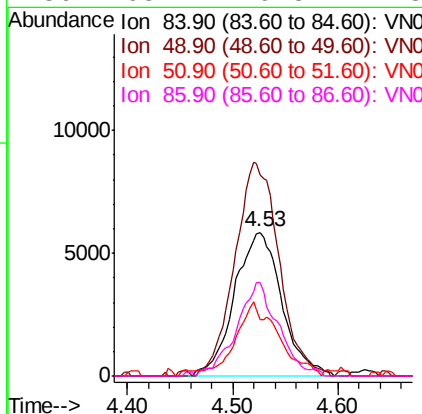
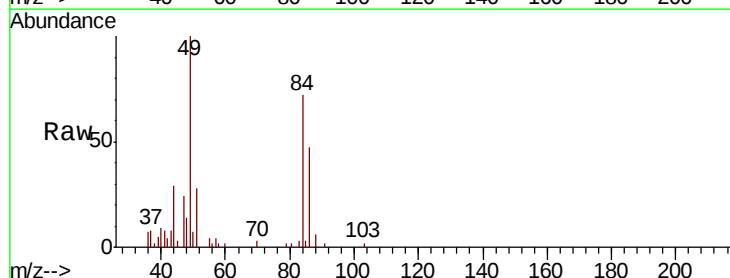
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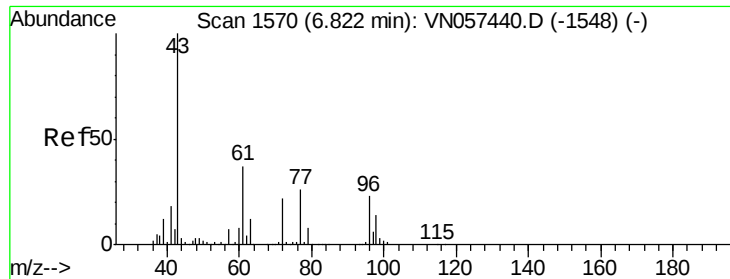
Tgt Ion: 43 Resp: 23998
Ion Ratio Lower Upper
43 100
74 21.2 15.9 23.9



#20
Methylene Chloride
Concen: 3.462 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Tgt Ion: 84 Resp: 18231
Ion Ratio Lower Upper
84 100
49 137.2 117.0 175.4
51 35.9 35.5 53.3
86 65.1 49.8 74.8

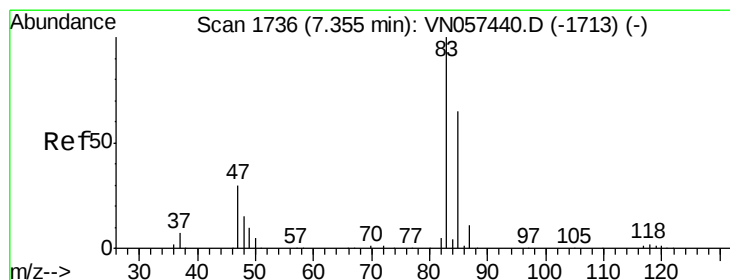
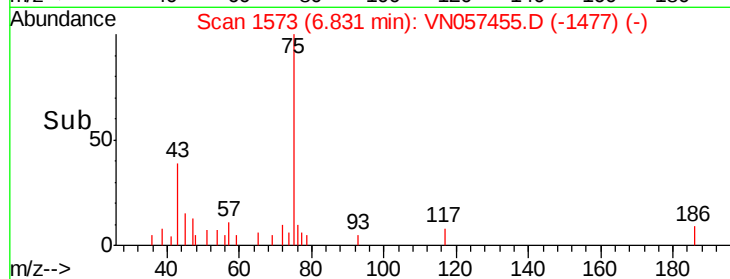
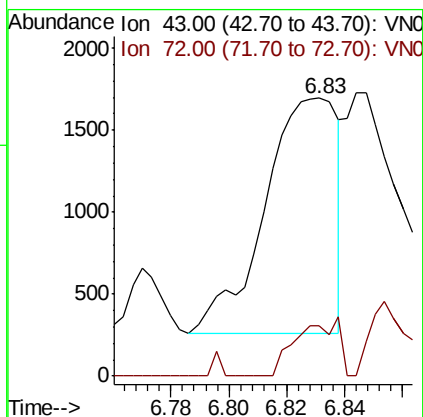
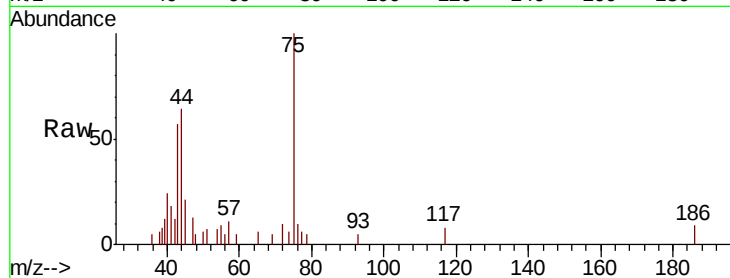




#25
2-Butanone
Concen: 0.659 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.01 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

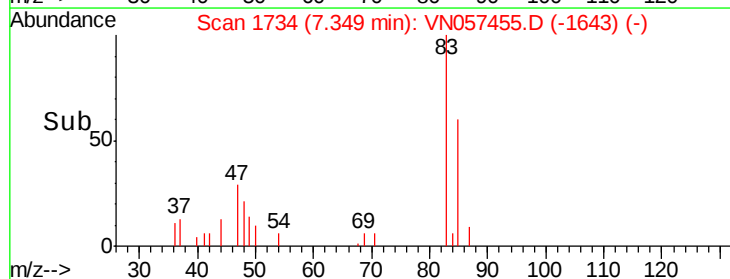
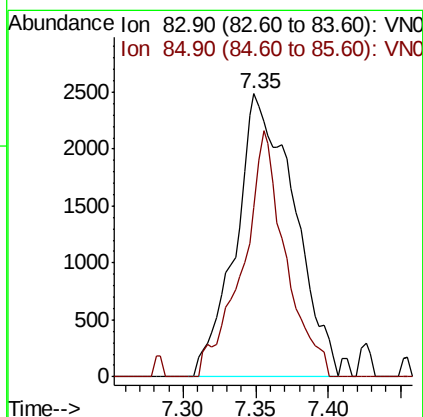
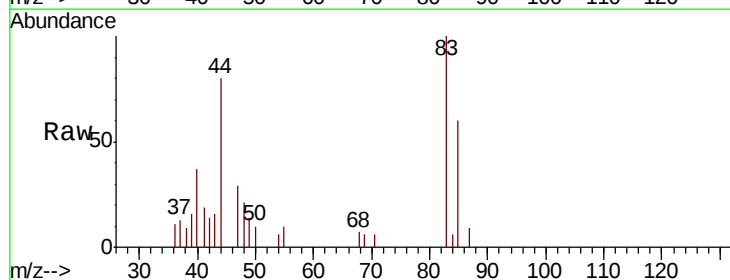
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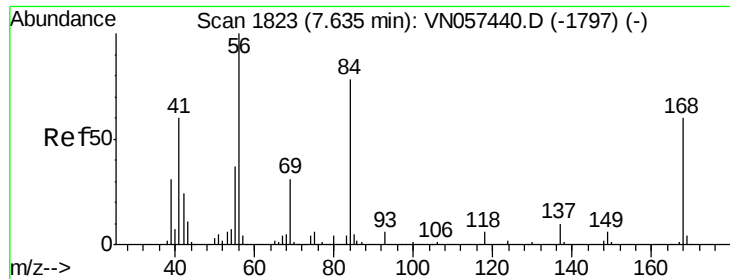
Tgt Ion: 43 Resp: 2492
Ion Ratio Lower Upper
43 100
72 21.6 17.8 26.8



#30
Chloroform
Concen: 0.750 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.01 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Tgt Ion: 83 Resp: 6950
Ion Ratio Lower Upper
83 100
85 59.7 51.9 77.9

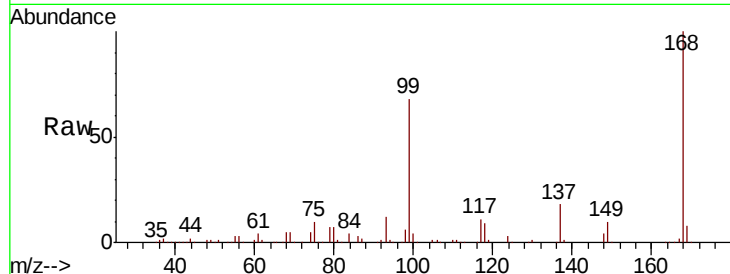




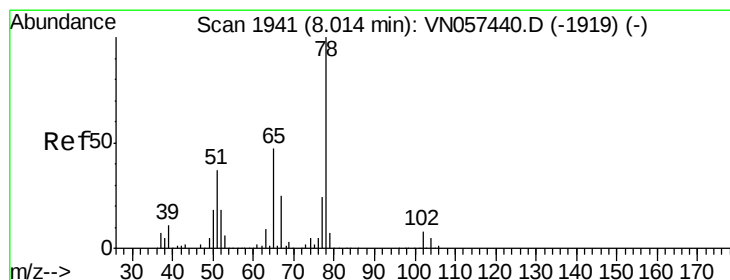
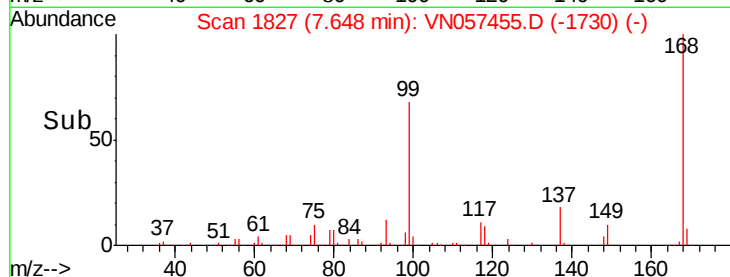
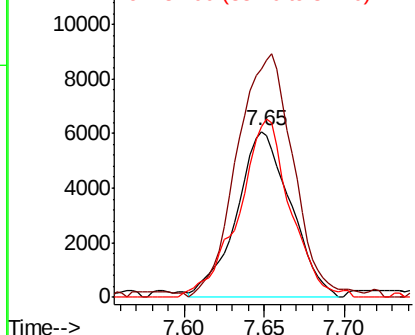
#31
Cyclohexane
Concen: 1.325 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Instrument :
MSVOA_N
ClientSampled :
HD-02-082119

Tgt Ion: 56 Resp: 14115
Ion Ratio Lower Upper
56 100
69 137.8 25.0 37.6#
84 99.2 62.5 93.7#

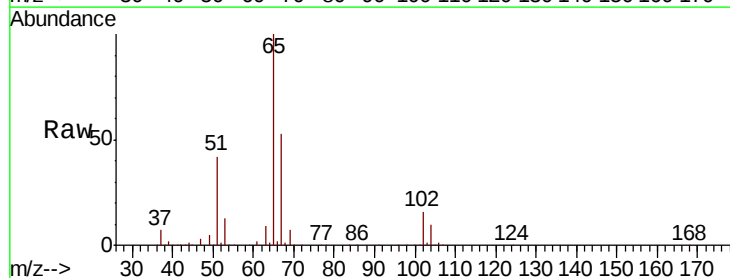


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

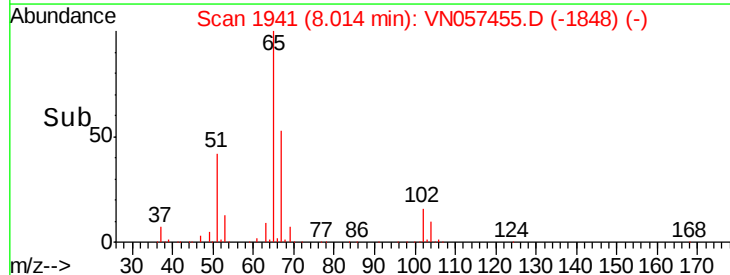
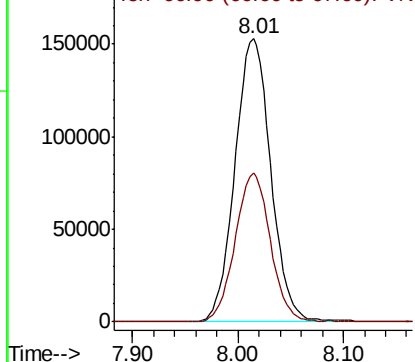


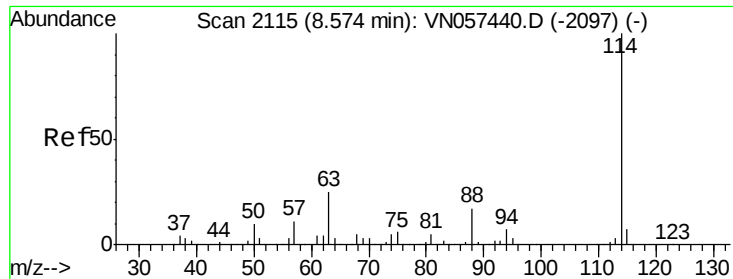
#33
1,2-Dichloroethane-d4
Concen: 47.539 ug/l
RT: 8.01 min Scan# 1941
Delta R.T. 0.00 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Tgt Ion: 65 Resp: 360403
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

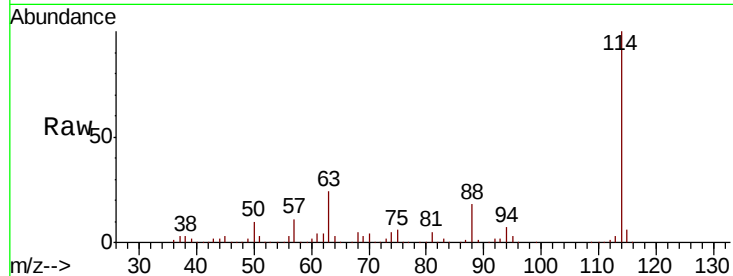




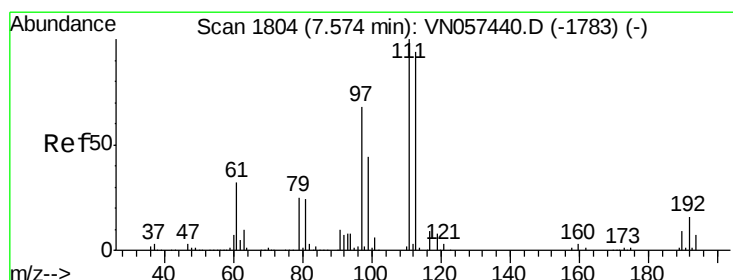
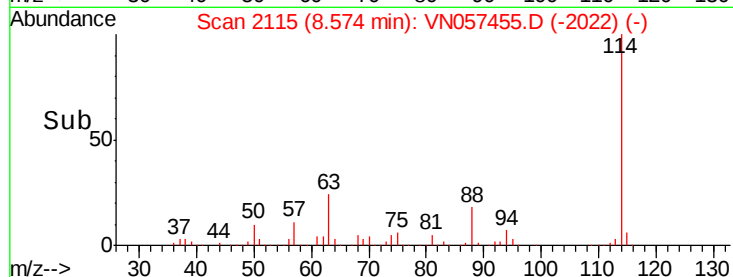
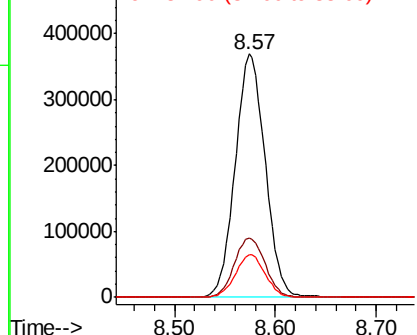
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2115
Delta R.T. 0.00 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Instrument :
MSVOA_N
ClientSampleId :
HD-02-082119

Tgt Ion:114 Resp: 761923
Ion Ratio Lower Upper
114 100
63 24.3 0.0 50.2
88 17.6 0.0 34.6

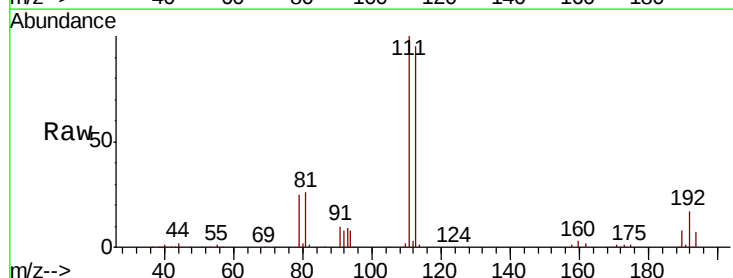


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

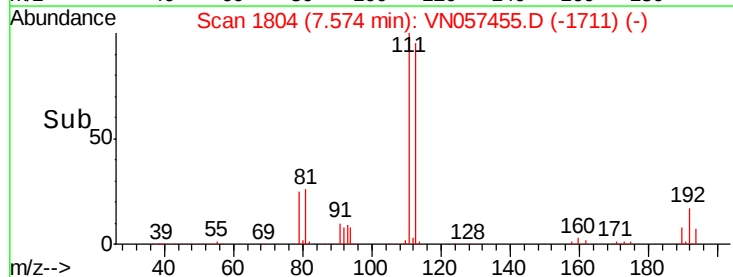
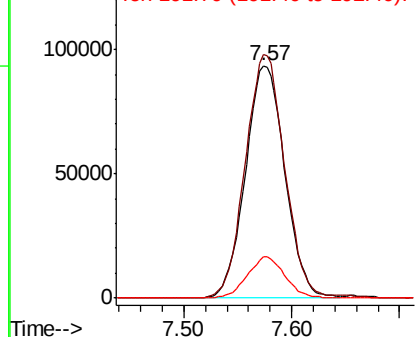


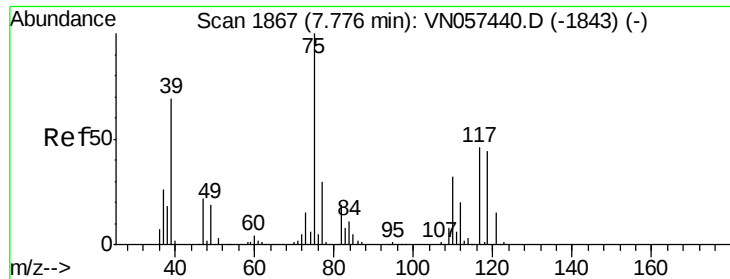
#35
Dibromofluoromethane
Concen: 46.159 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Tgt Ion:113 Resp: 237555
Ion Ratio Lower Upper
113 100
111 104.9 83.8 125.6
192 16.9 13.5 20.3



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

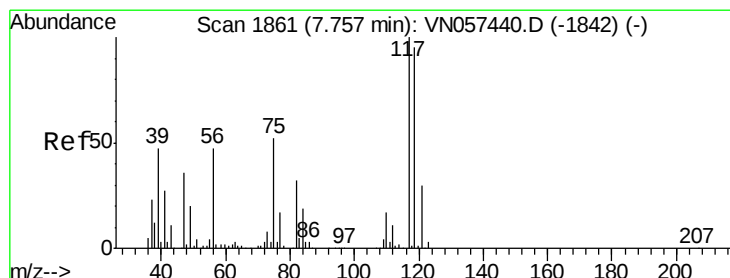
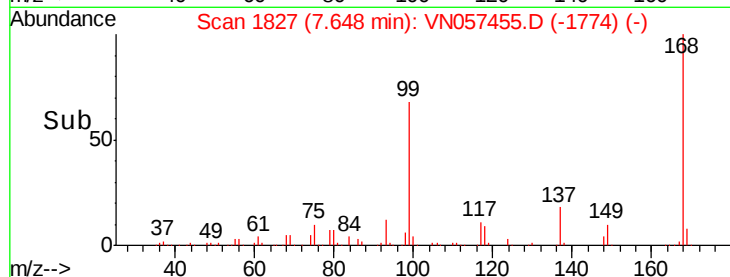
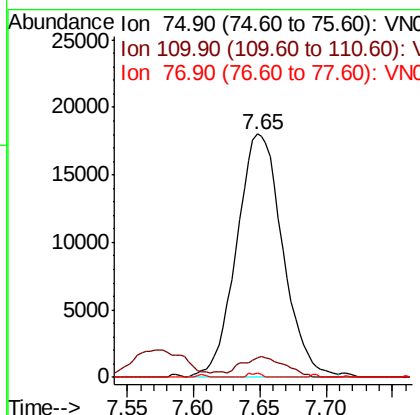
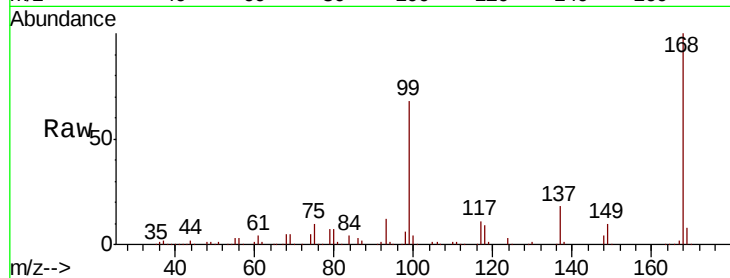




#36
 1,1-Dichloropropene
 Concen: 5.579 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057455.D
 Acq: 23 Aug 2019 1:05

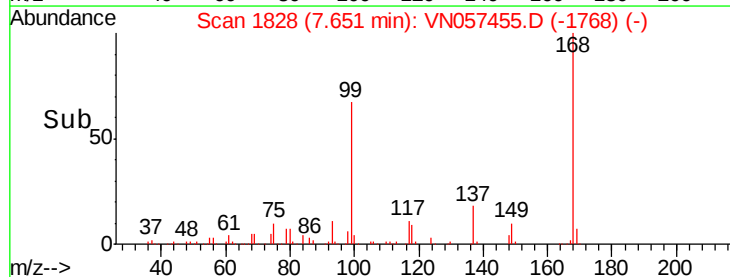
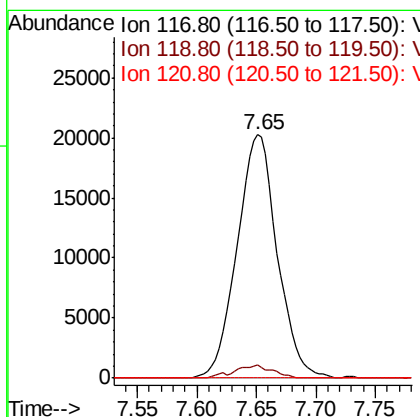
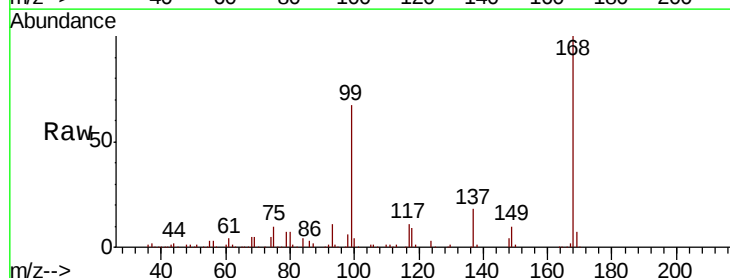
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-082119

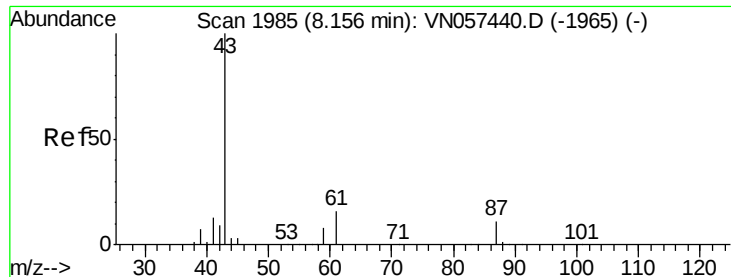
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.1	48.3#
77	0.5	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.114 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN057455.D
 Acq: 23 Aug 2019 1:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	76.2	114.4#
121	0.0	23.8	35.6#





#43

Isopropyl Acetate

Concen: 8.877 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampleId :

HD-02-082119

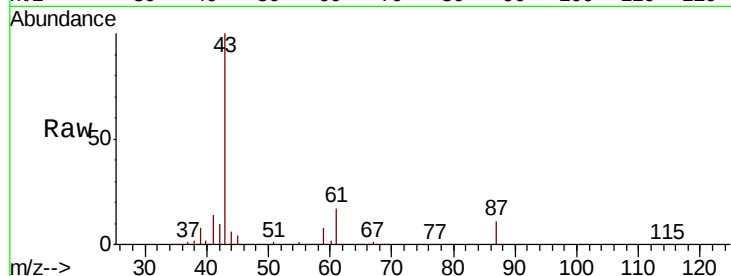
Tgt Ion: 43 Resp: 125213

Ion Ratio Lower Upper

43 100

61 17.9 14.5 21.7

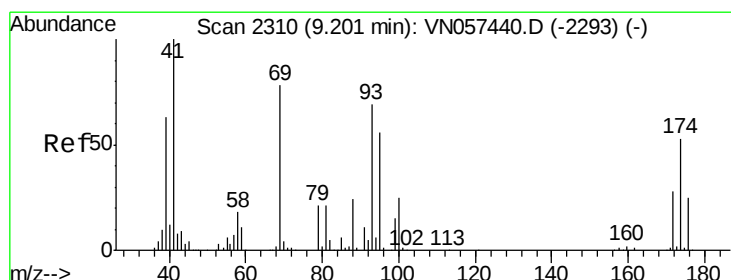
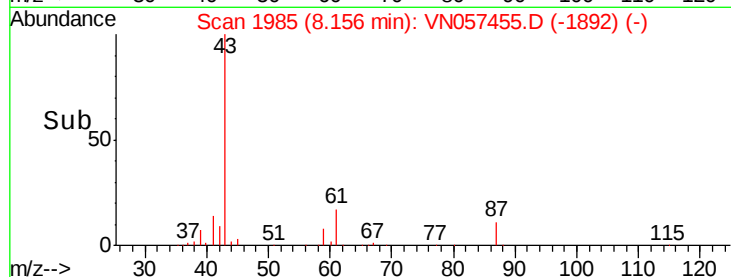
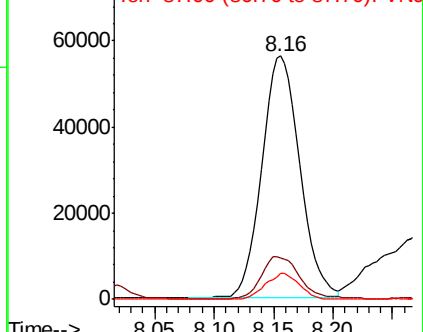
87 9.5 8.6 12.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#46

Dibromomethane

Concen: Below Cal

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

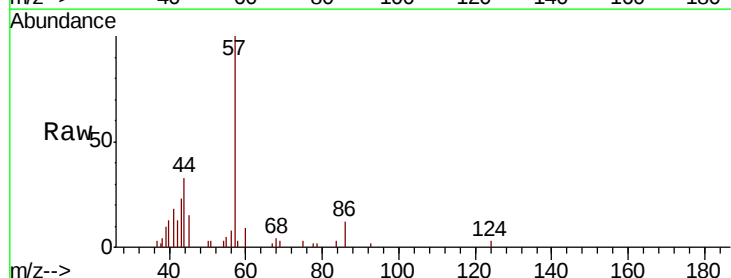
Tgt Ion: 93 Resp: 30

Ion Ratio Lower Upper

93 100

95 0.0 64.7 97.1#

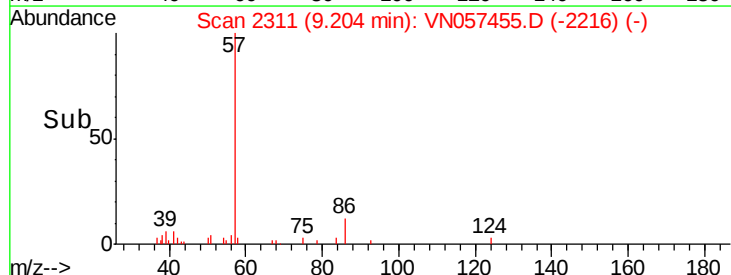
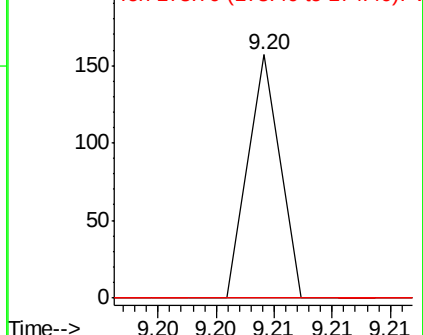
174 0.0 62.3 93.5#

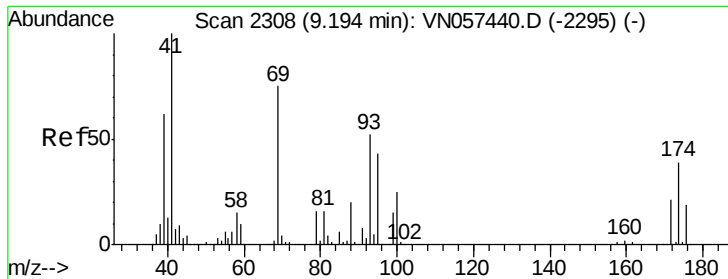


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

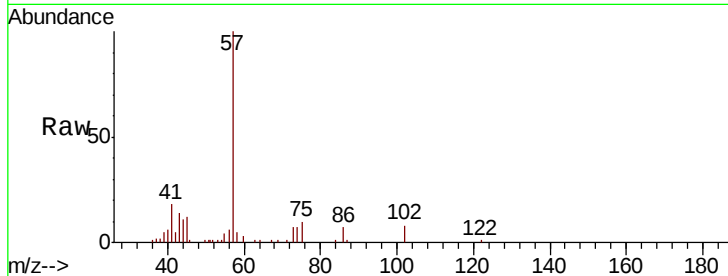




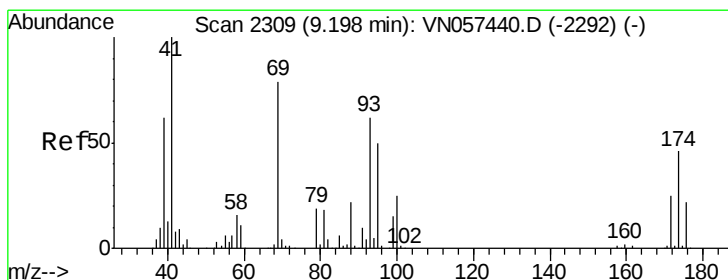
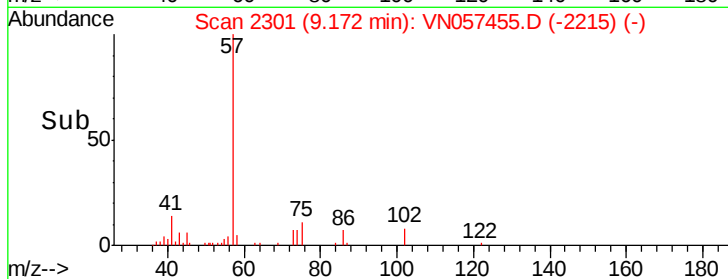
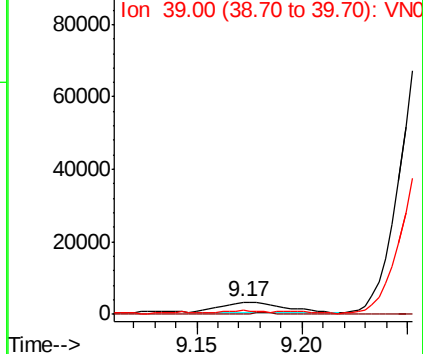
#48
Methyl methacrylate
Concen: 0.857 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Instrument :
MSVOA_N
ClientSampled :
HD-02-082119

Tgt Ion: 41 Resp: 5747
Ion Ratio Lower Upper
41 100
69 3.0 59.3 88.9#
39 0.0 50.6 75.8#

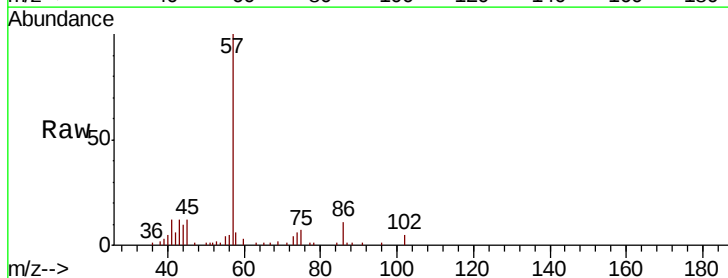


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

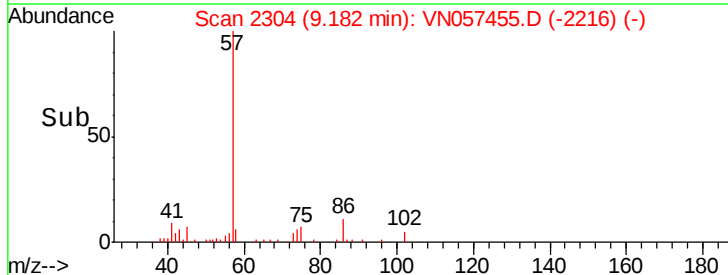
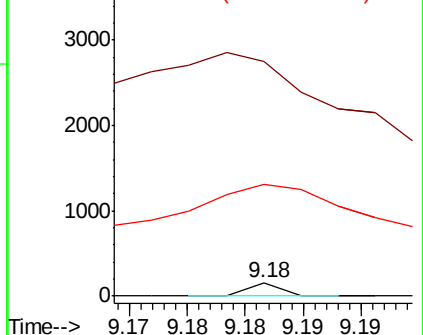


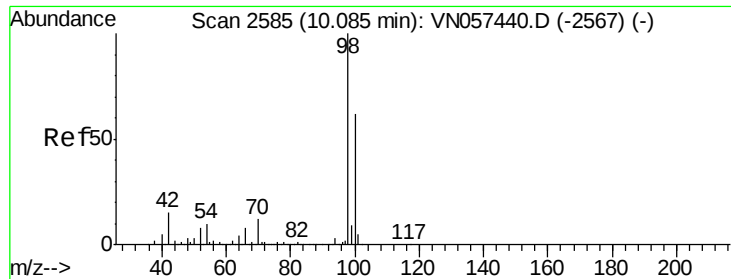
#49
1,4-Dioxane
Concen: 0.346 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.02 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.6#
58 9026.7 64.5 96.7#



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





#50

Toluene-d8

Concen: 49.070 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampled :

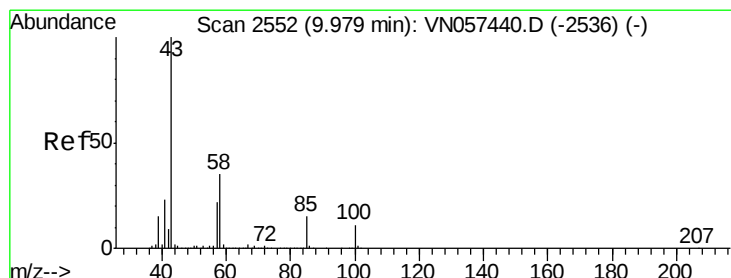
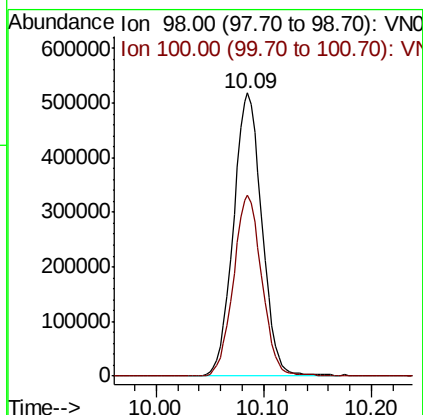
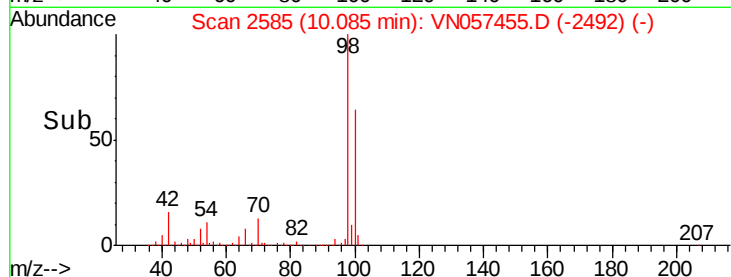
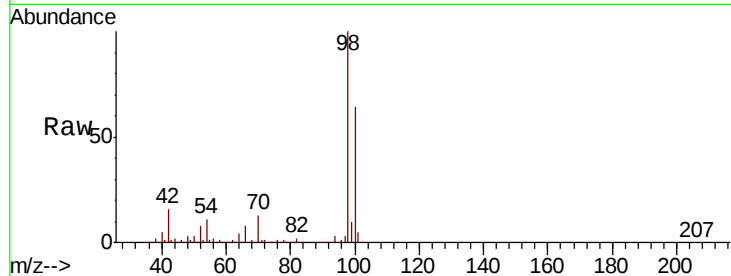
HD-02-082119

Tgt Ion: 98 Resp: 954903

Ion Ratio Lower Upper

98 100

100 63.9 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 1.248 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057455.D

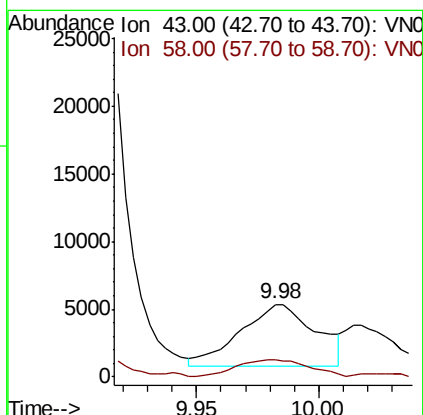
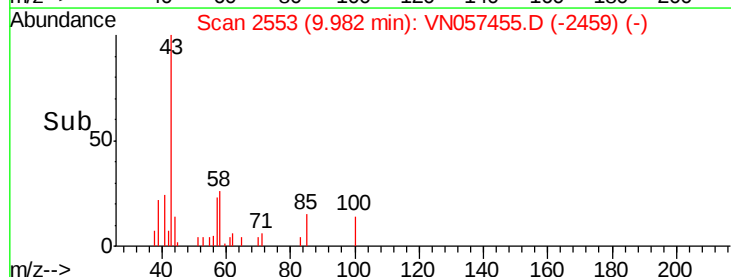
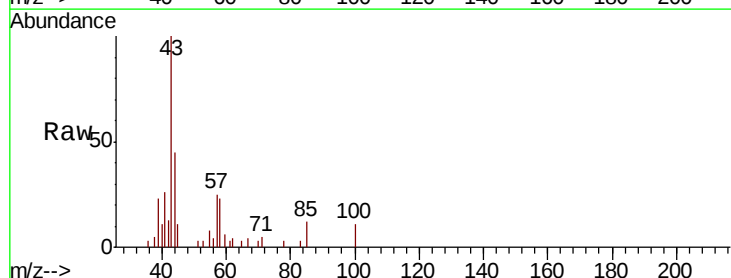
Acq: 23 Aug 2019 1:05

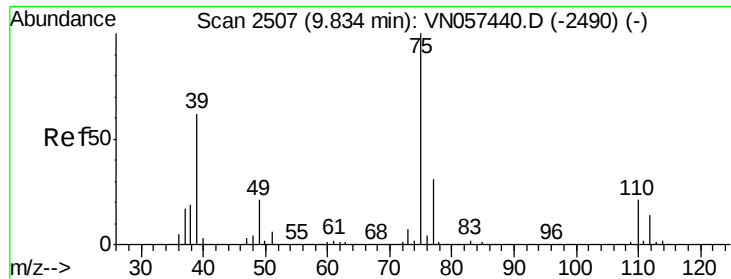
Tgt Ion: 43 Resp: 9808

Ion Ratio Lower Upper

43 100

58 27.1 27.9 41.9#





#54

cis-1,3-Dichloropropene

Concen: 4.984 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampleId :

HD-02-082119

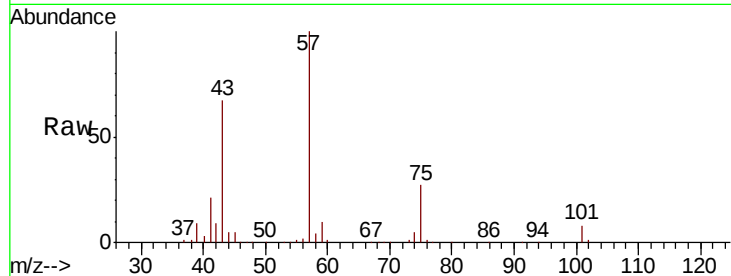
Tgt Ion: 75 Resp: 50462

Ion Ratio Lower Upper

75 100

77 0.8 25.0 37.6#

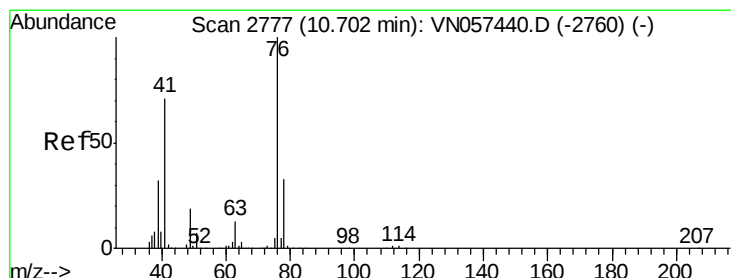
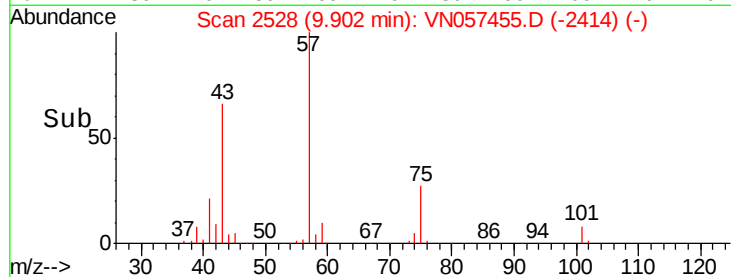
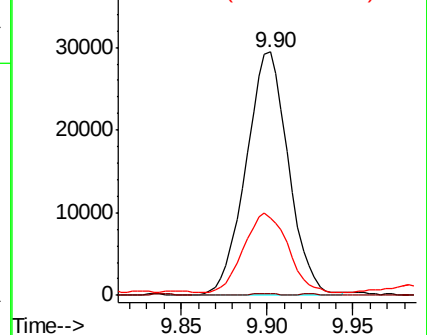
39 30.6 49.2 73.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.750 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN057455.D

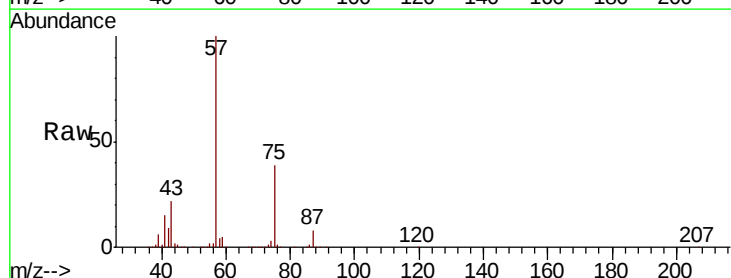
Acq: 23 Aug 2019 1:05

Tgt Ion: 76 Resp: 7112

Ion Ratio Lower Upper

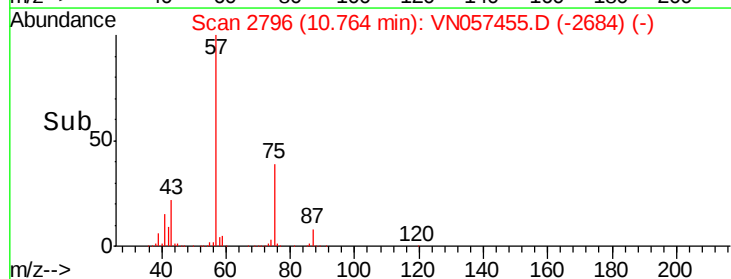
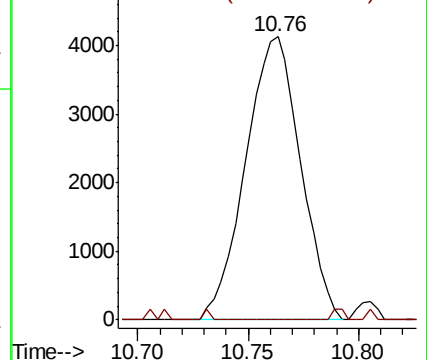
76 100

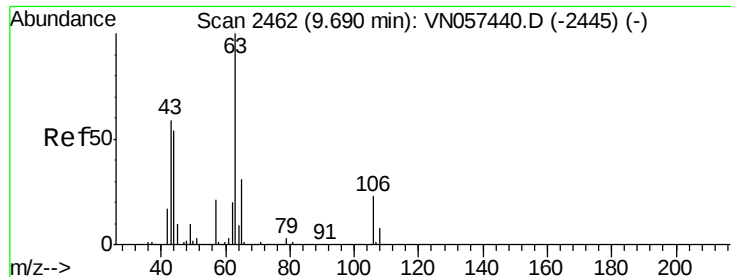
78 0.0 25.5 38.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

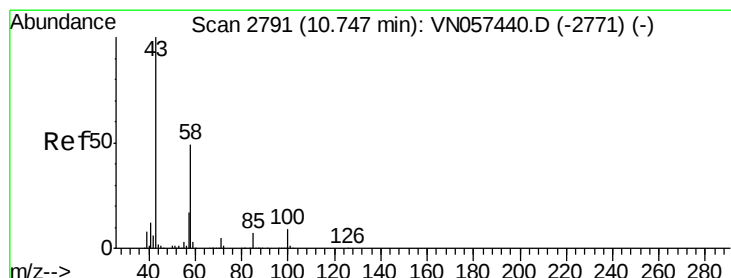
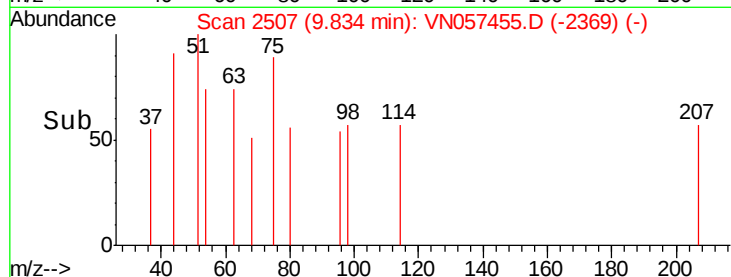
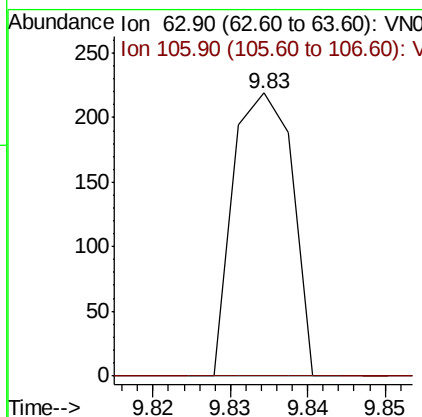
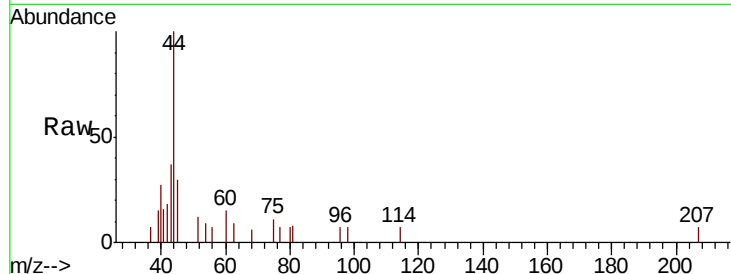




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.110 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.15 min
 Lab File: VN057455.D
 Acq: 23 Aug 2019 1:05

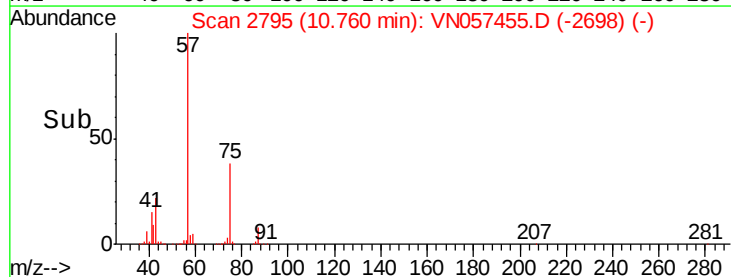
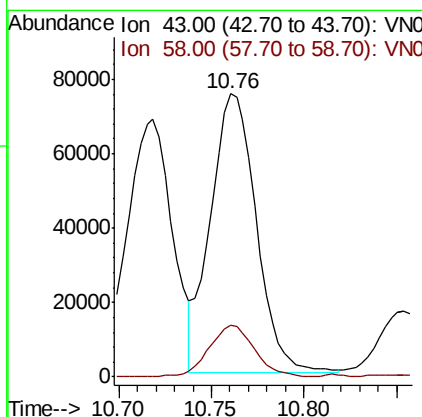
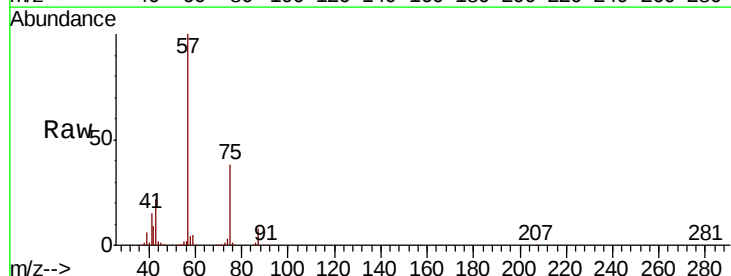
Instrument :
 MSVOA_N
 ClientSampleId :
 HD-02-082119

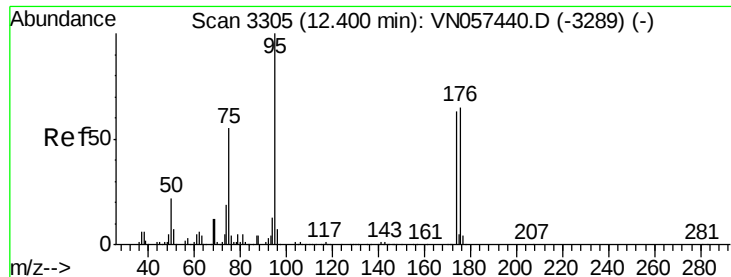
Tgt Ion: 63 Resp: 116
 Ion Ratio Lower Upper
 63 100
 106 0.0 18.6 27.8#



#59
 2-Hexanone
 Concen: 23.841 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN057455.D
 Acq: 23 Aug 2019 1:05

Tgt Ion: 43 Resp: 128550
 Ion Ratio Lower Upper
 43 100
 58 18.5 24.6 73.6#





#62

4-Bromofluorobenzene

Concen: 39.295 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampleId :

HD-02-082119

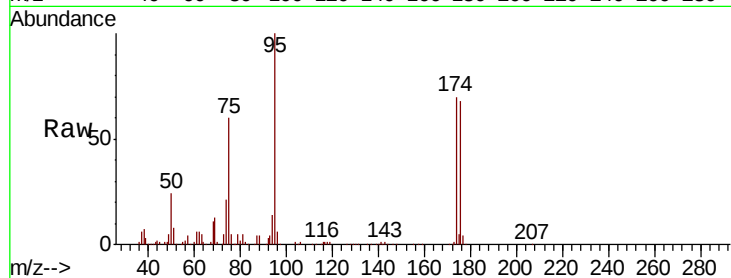
Tgt Ion: 95 Resp: 259138

Ion Ratio Lower Upper

95 100

174 70.1 0.0 133.0

176 66.3 0.0 130.8

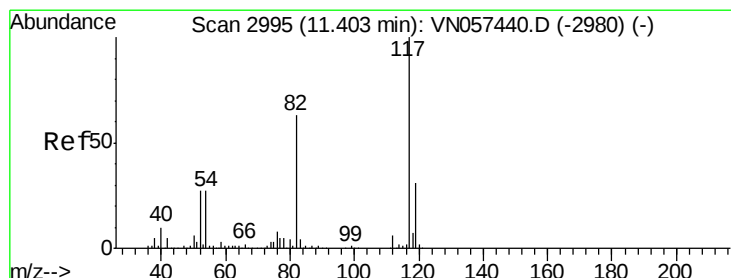
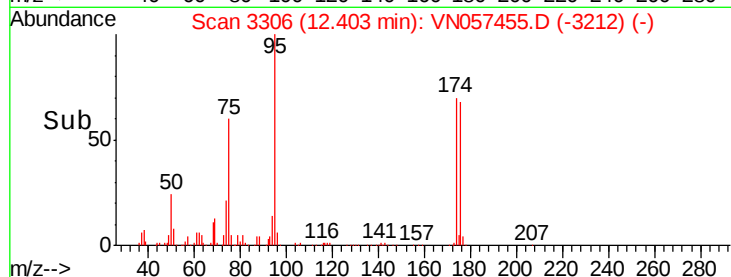


Abundance Ion 94.90 (94.60 to 95.60): VN057440.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN057440.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN057440.D (-3289) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

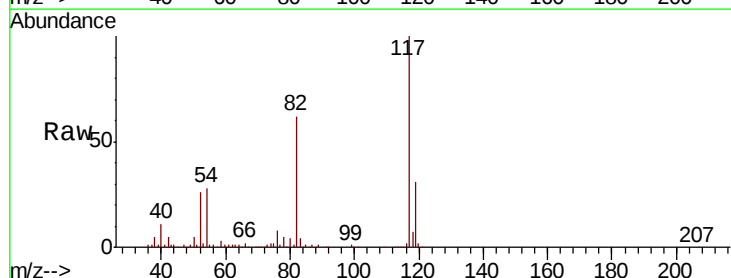
Tgt Ion: 117 Resp: 626997

Ion Ratio Lower Upper

117 100

82 62.1 50.6 75.8

119 31.3 24.6 36.8

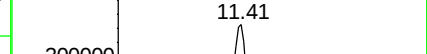
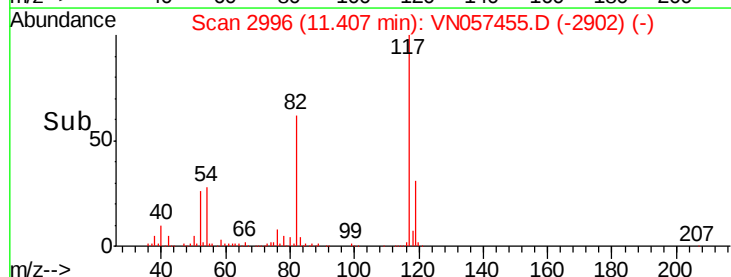


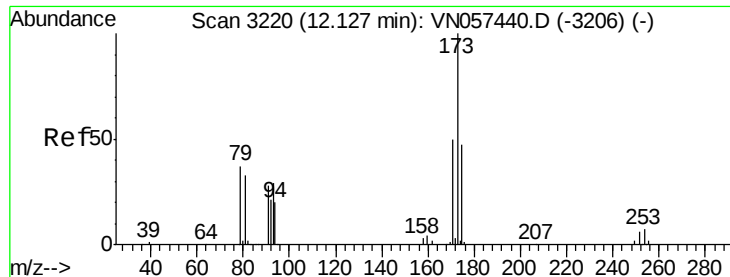
Abundance Ion 116.90 (116.60 to 117.60): VN057440.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN057440.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN057440.D (-2980) (-)

Time-->





#71

Bromoform

Concen: 0.386 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampled :

HD-02-082119

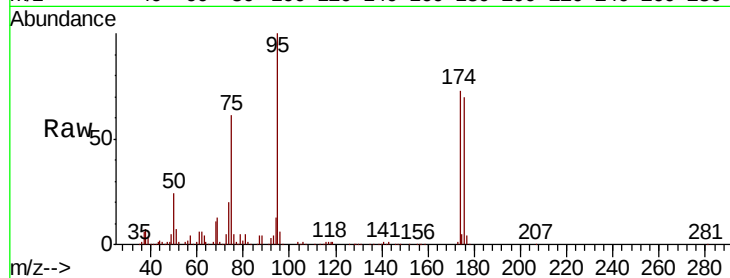
Tgt Ion:173 Resp: 1269

Ion Ratio Lower Upper

173 100

175 820.8 23.9 71.8#

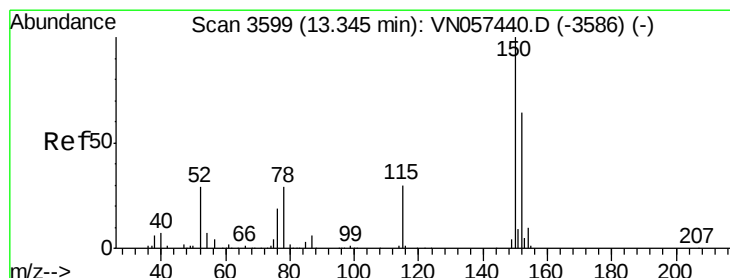
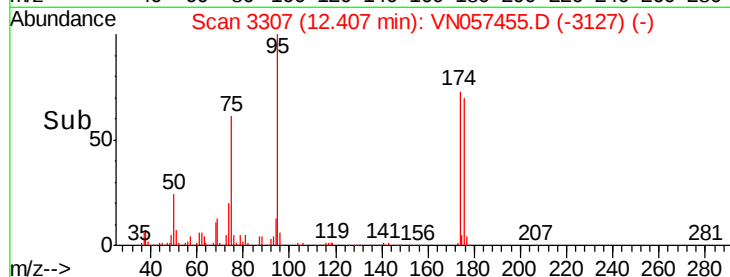
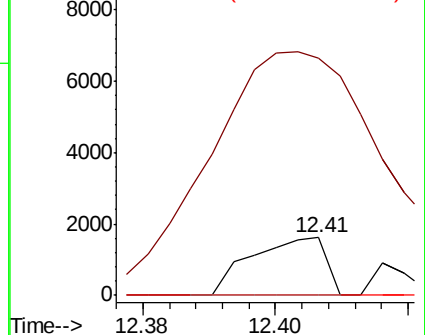
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

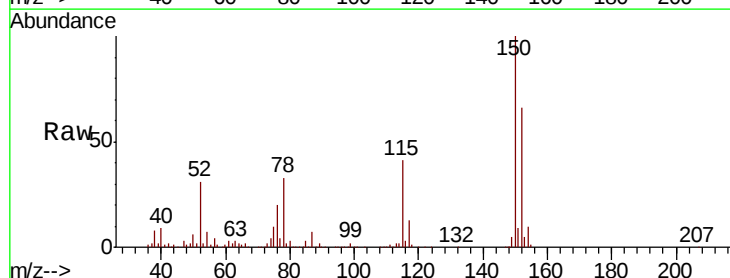
Tgt Ion:152 Resp: 159172

Ion Ratio Lower Upper

152 100

115 64.5 32.0 96.0

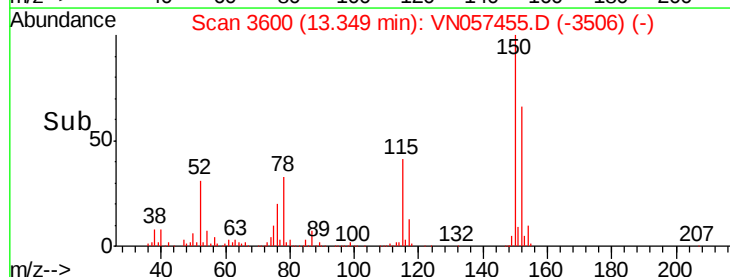
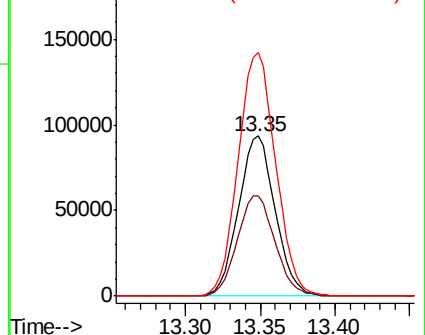
150 156.6 0.0 346.6

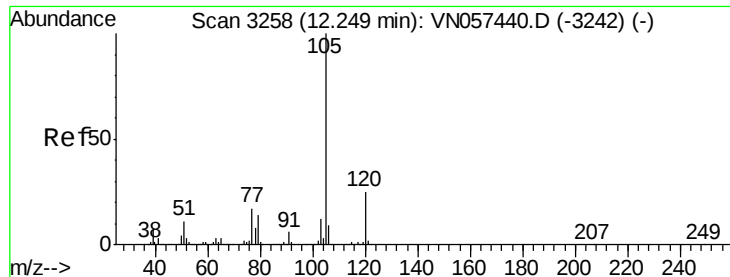


Abundance Ion 151.90 (151.60 to 152.60): V

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# 3258

Delta R.T. 0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampled :

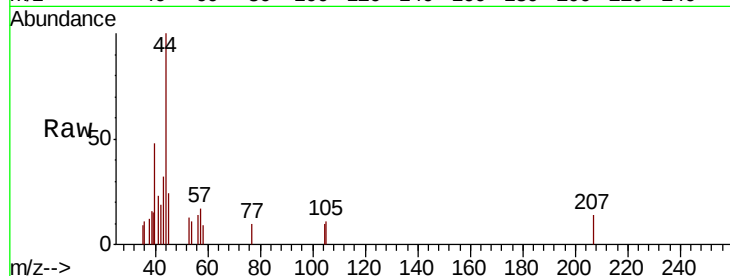
HD-02-082119

Tgt Ion: 105 Resp: 372

Ion Ratio Lower Upper

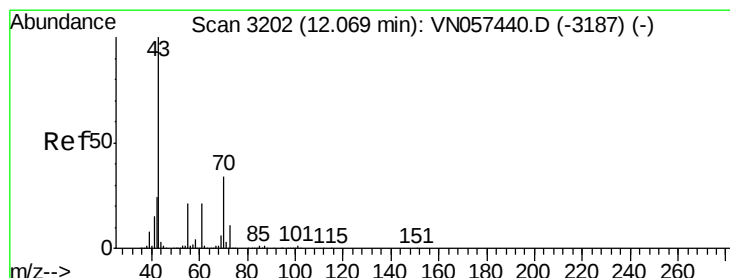
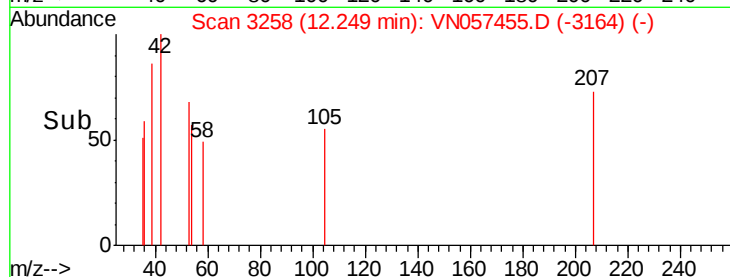
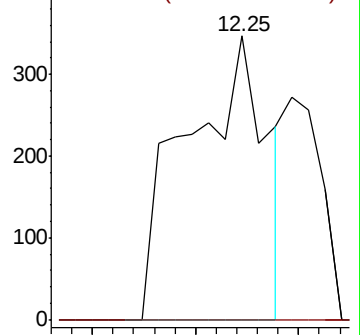
105 100

120 0.0 12.7 38.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: Below Cal

RT: 12.04 min Scan# 3192

Delta R.T. -0.03 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Tgt Ion: 43 Resp: 6012

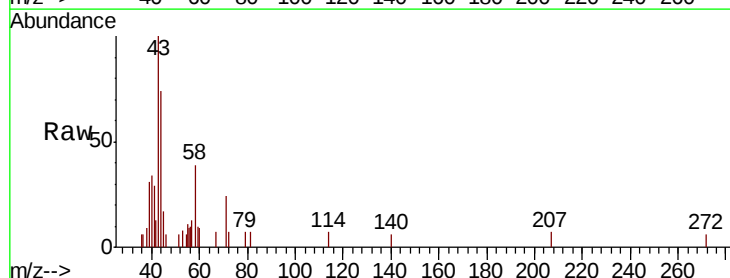
Ion Ratio Lower Upper

43 100

70 0.0 27.8 41.6#

55 2.5 17.0 25.4#

61 0.0 17.0 25.6#

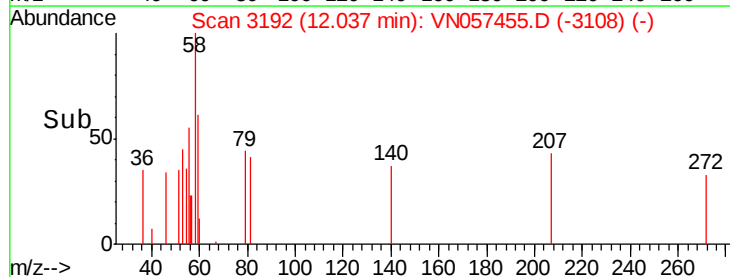
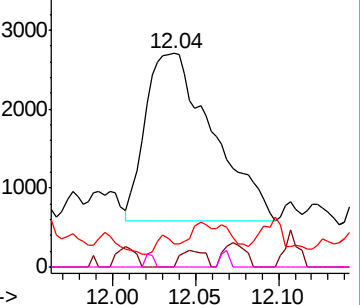


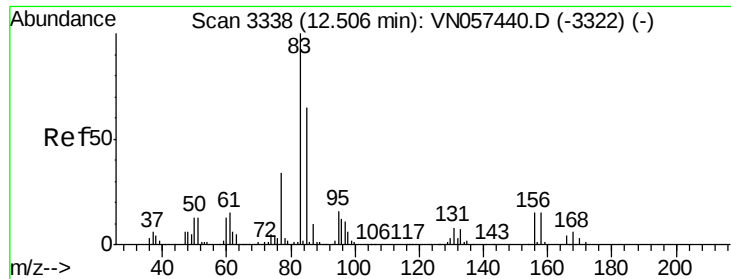
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.53 min Scan# 3345

Delta R.T. 0.02 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampleId :

HD-02-082119

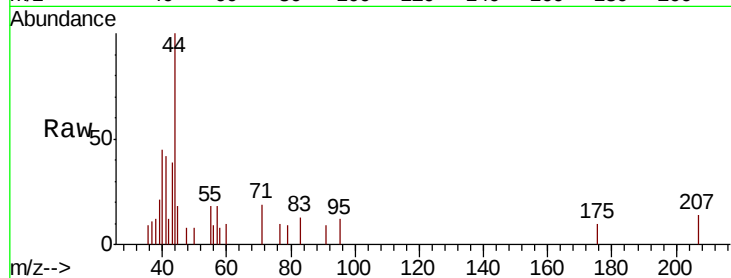
Tgt Ion: 83 Resp: 131

Ion Ratio Lower Upper

83 100

131 0.0 4.3 13.1#

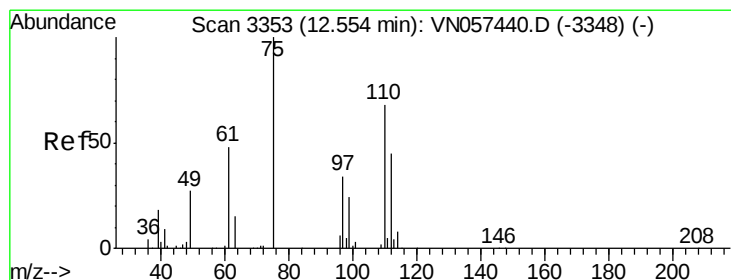
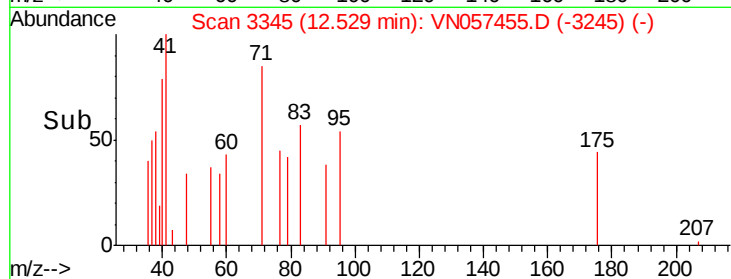
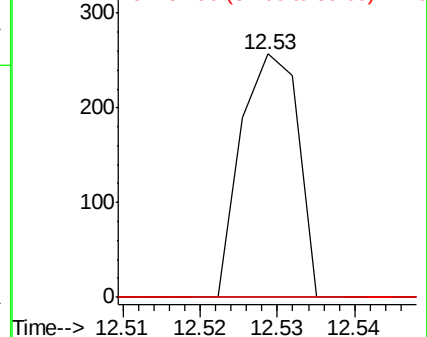
85 0.0 32.3 96.8#



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: 43.064 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057455.D

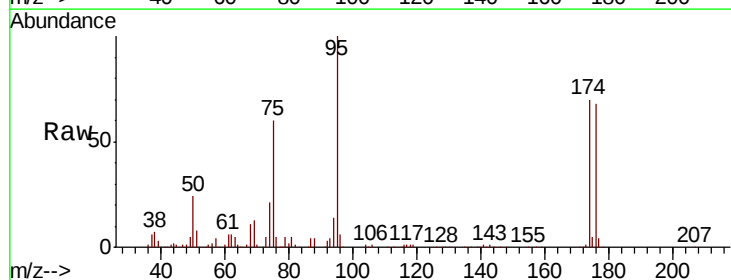
Acq: 23 Aug 2019 1:05

Tgt Ion: 75 Resp: 153547

Ion Ratio Lower Upper

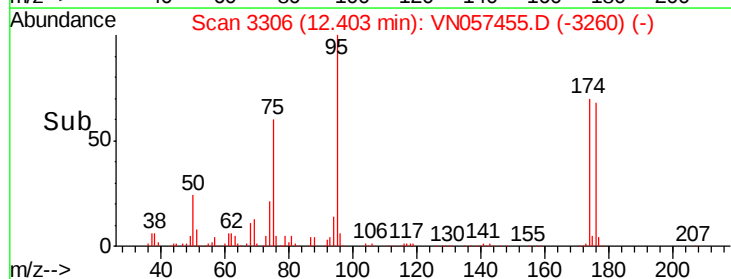
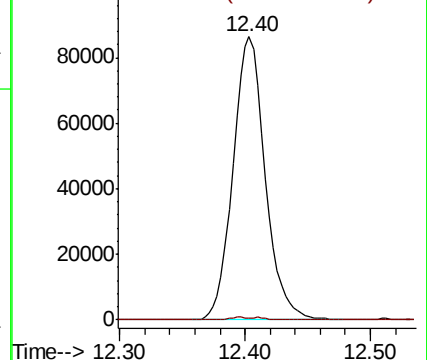
75 100

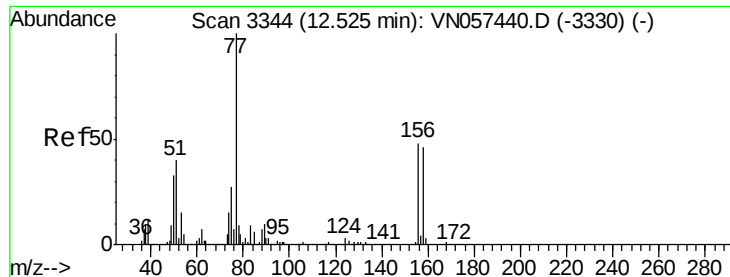
77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.12 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampled :

HD-02-082119

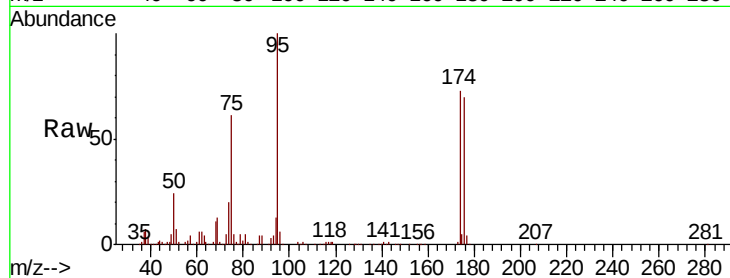
Tgt Ion:156 Resp: 34

Ion Ratio Lower Upper

156 100

77 2702.9 124.4 373.3#

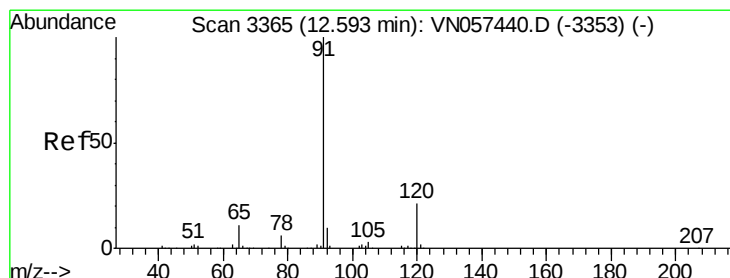
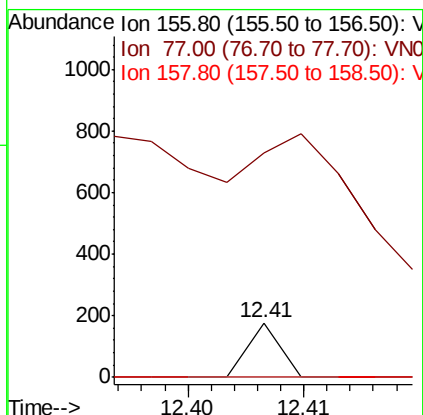
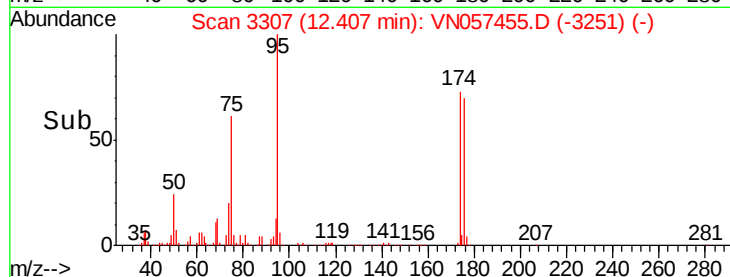
158 0.0 48.3 144.8#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: Below Cal

RT: 12.60 min Scan# 3367

Delta R.T. 0.01 min

Lab File: VN057455.D

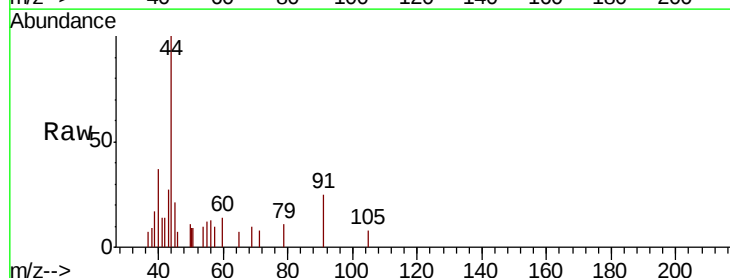
Acq: 23 Aug 2019 1:05

Tgt Ion: 91 Resp: 552

Ion Ratio Lower Upper

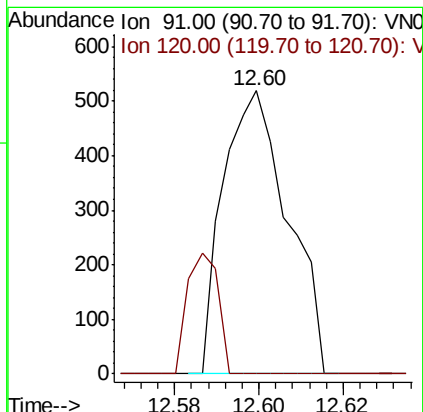
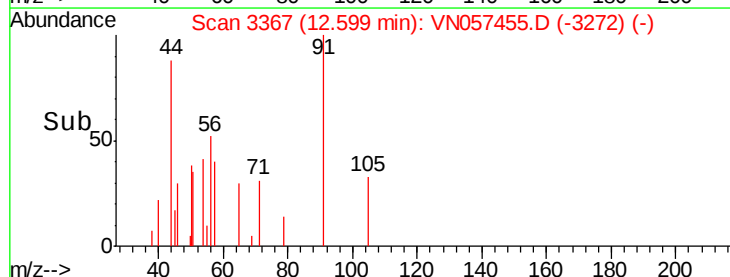
91 100

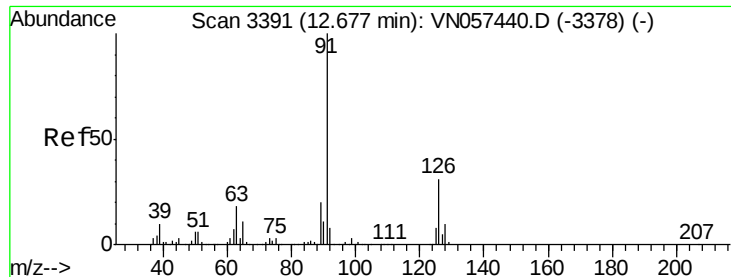
120 20.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampled :

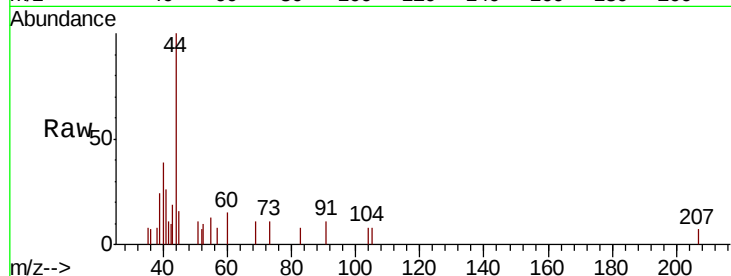
HD-02-082119

Tgt Ion: 91 Resp: 156

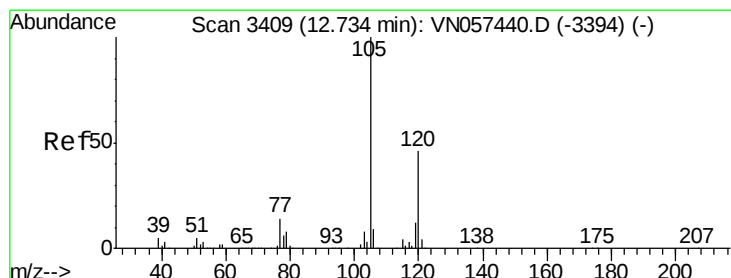
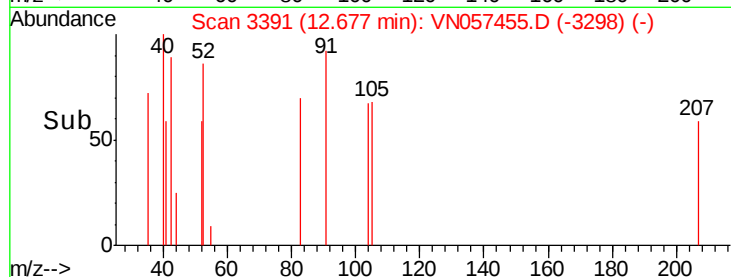
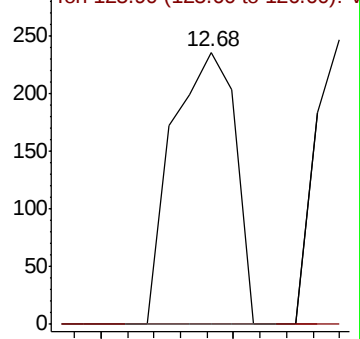
Ion Ratio Lower Upper

91 100

126 0.0 15.3 45.8#



Abundance Ion 91.00 (90.70 to 91.70): VN057440.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN057455.D

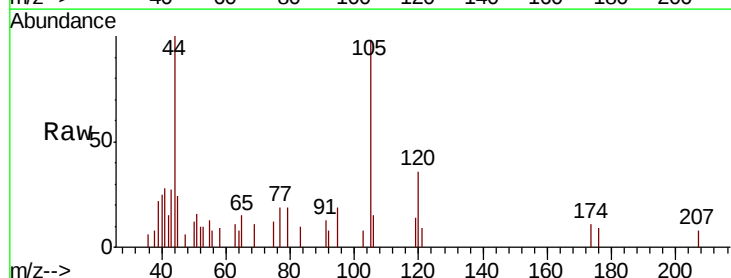
Acq: 23 Aug 2019 1:05

Tgt Ion: 105 Resp: 3765

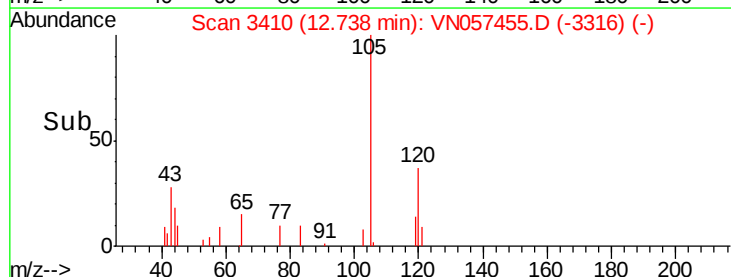
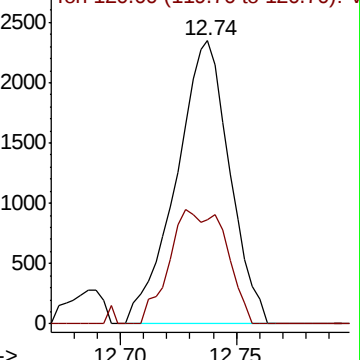
Ion Ratio Lower Upper

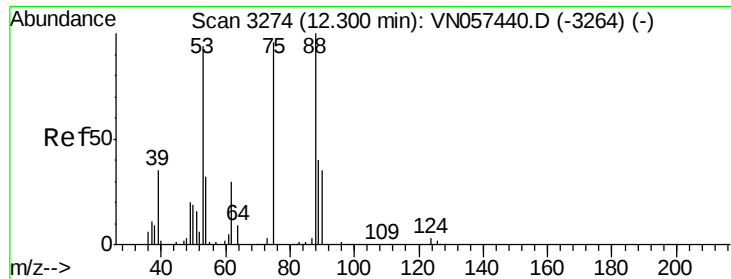
105 100

120 42.7 23.3 69.8



Abundance Ion 105.00 (104.70 to 105.70): VN057440.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 110.668 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampleId :

HD-02-082119

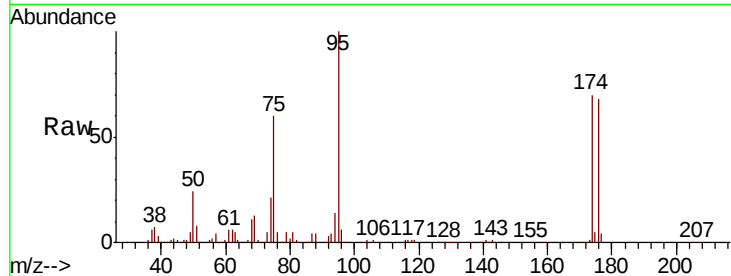
Tgt Ion: 75 Resp: 153547

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

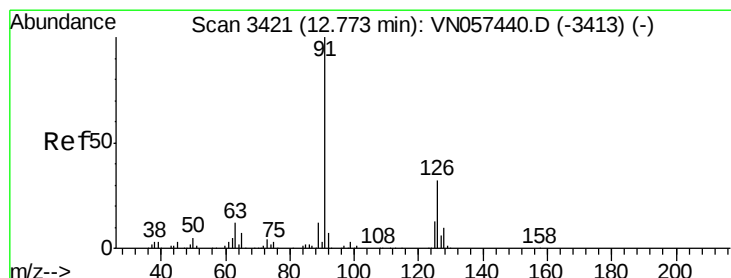
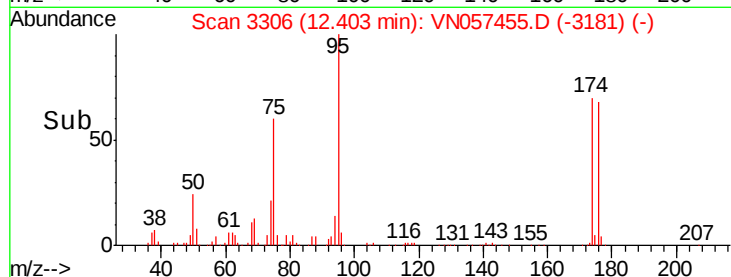
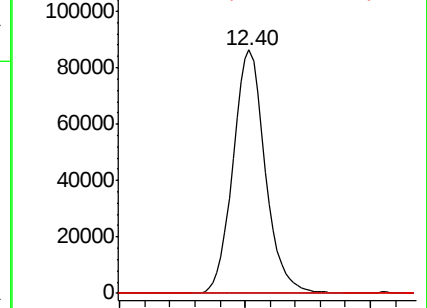
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: Below Cal

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN057455.D

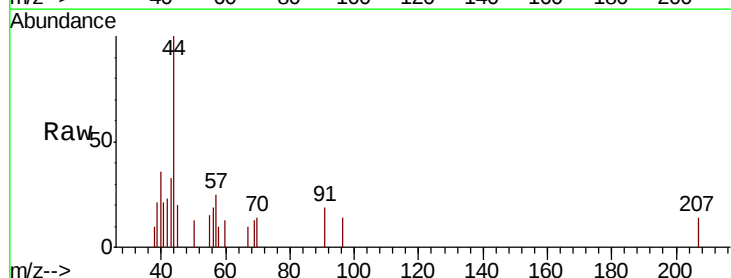
Acq: 23 Aug 2019 1:05

Tgt Ion: 91 Resp: 419

Ion Ratio Lower Upper

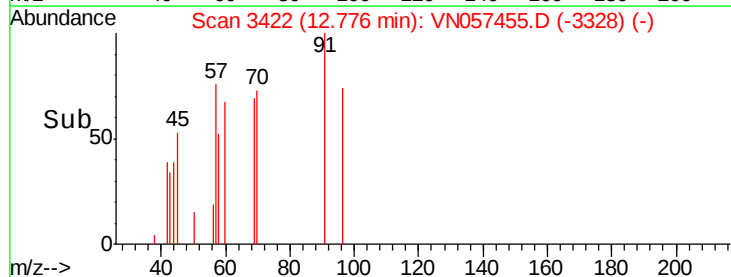
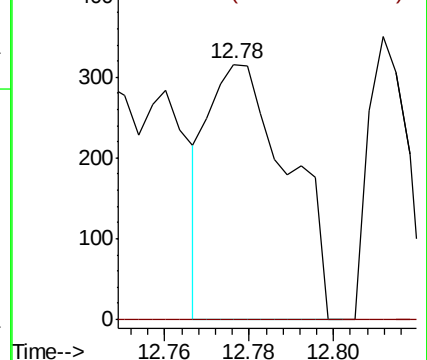
91 100

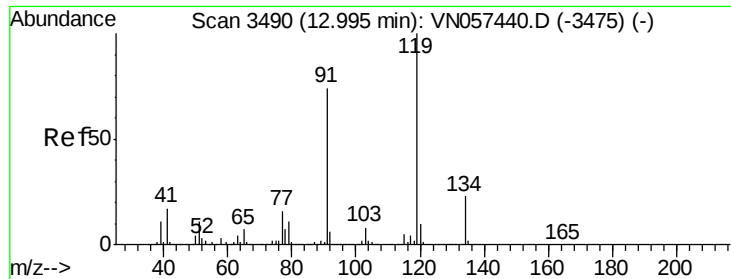
126 0.0 15.0 45.0#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

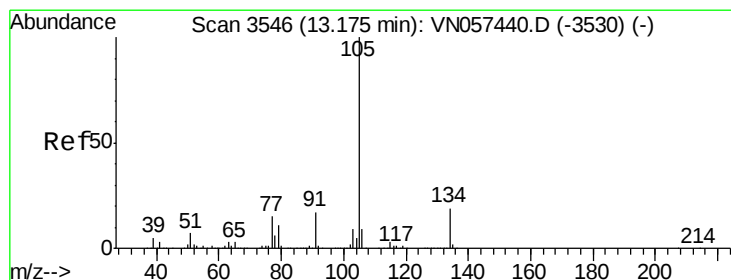
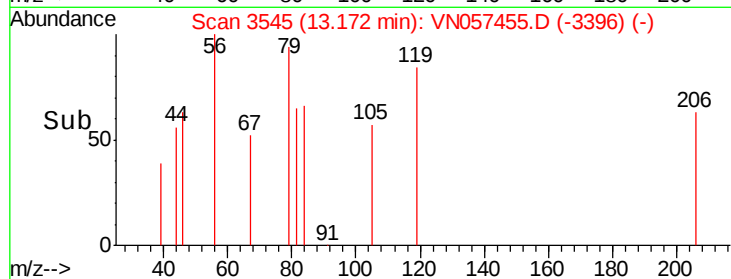
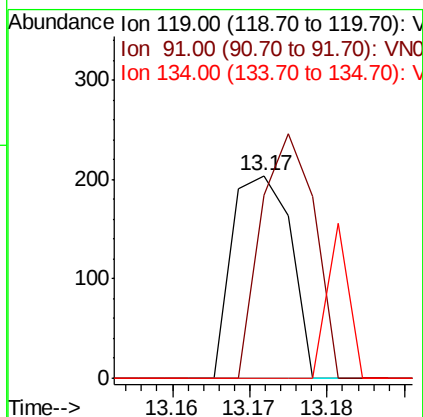
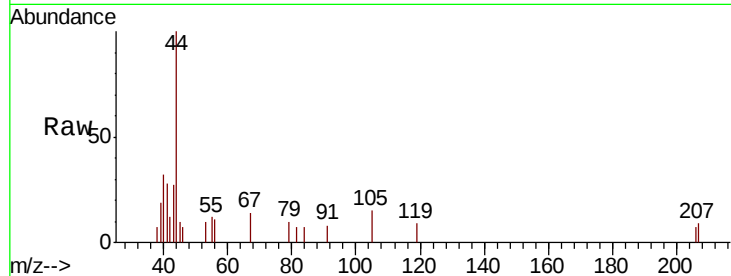




#83
tert-Butylbenzene
Concen: Below Cal
RT: 13.17 min Scan# 3545
Delta R.T. 0.18 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

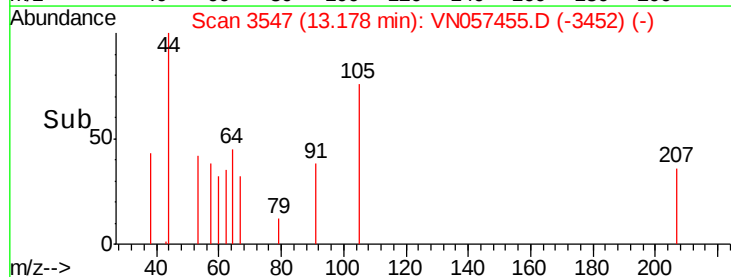
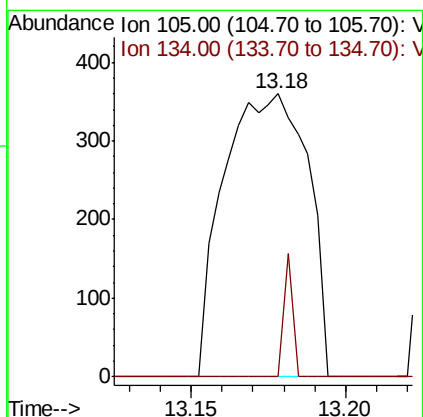
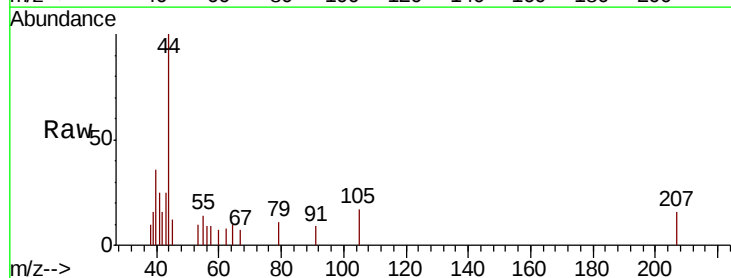
Instrument :
MSVOA_N
ClientSampled :
HD-02-082119

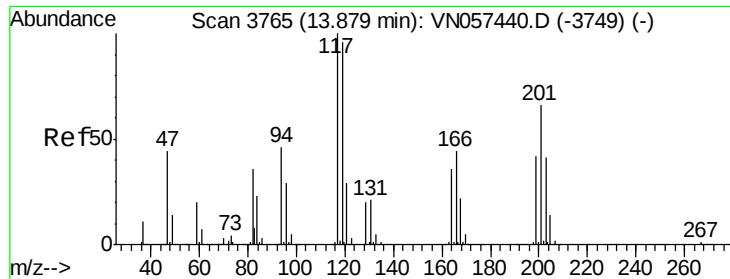
Tgt Ion:119 Resp: 107
Ion Ratio Lower Upper
119 100
91 110.3 37.0 111.0
134 28.0 12.2 36.6



#85
sec-Butylbenzene
Concen: Below Cal
RT: 13.18 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN057455.D
Acq: 23 Aug 2019 1:05

Tgt Ion:105 Resp: 678
Ion Ratio Lower Upper
105 100
134 4.4 9.3 27.9#





#90

Hexachloroethane

Concen: Below Cal

RT: 13.91 min Scan# 3775

Delta R.T. 0.03 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampled :

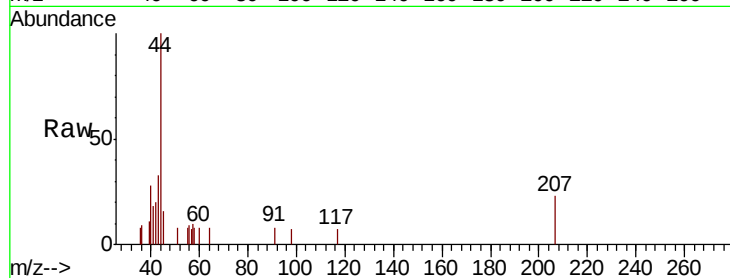
HD-02-082119

Tgt Ion: 117 Resp: 58

Ion Ratio Lower Upper

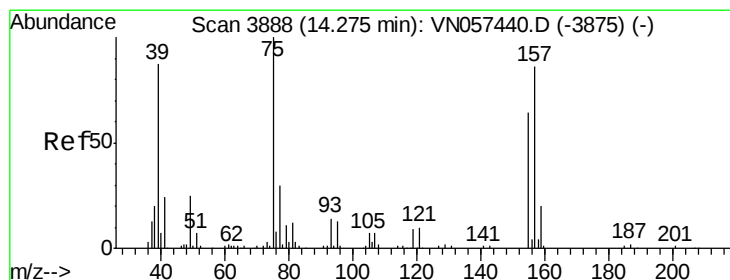
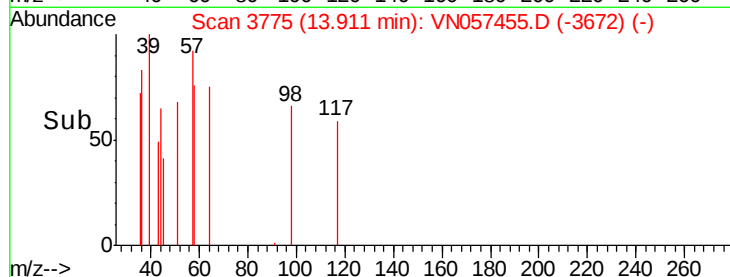
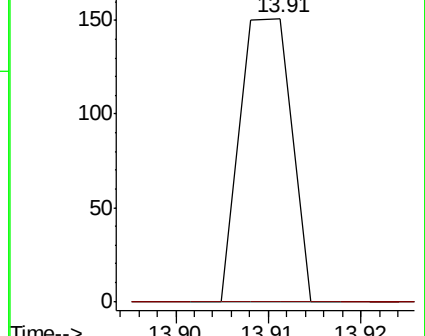
117 100

201 0.0 33.1 99.3#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.28 min Scan# 3891

Delta R.T. 0.01 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

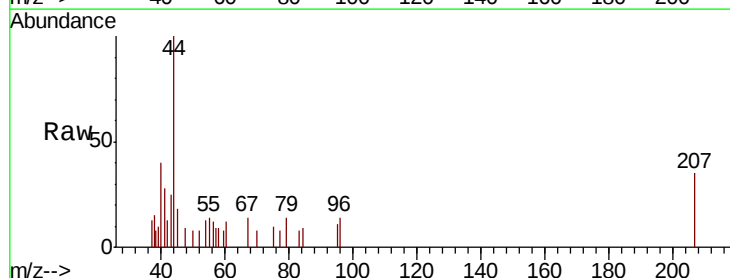
Tgt Ion: 75 Resp: 71

Ion Ratio Lower Upper

75 100

155 0.0 31.6 94.7#

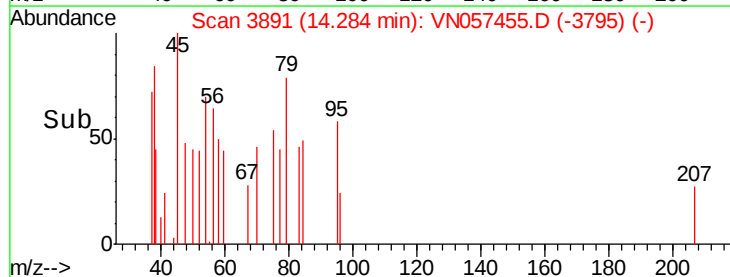
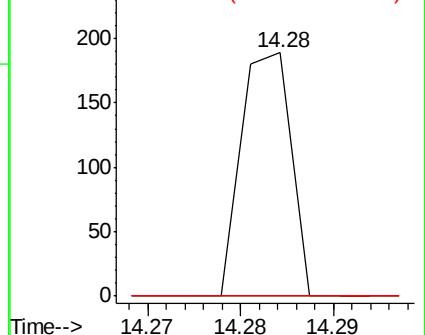
157 0.0 43.3 129.8#

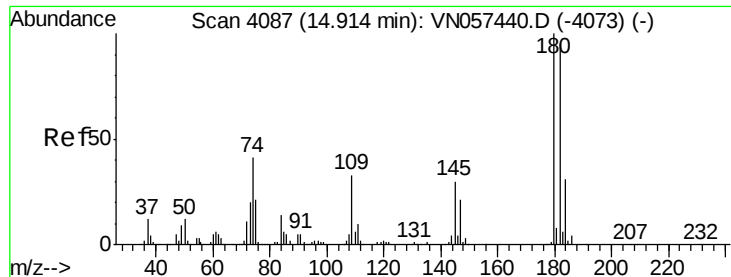


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

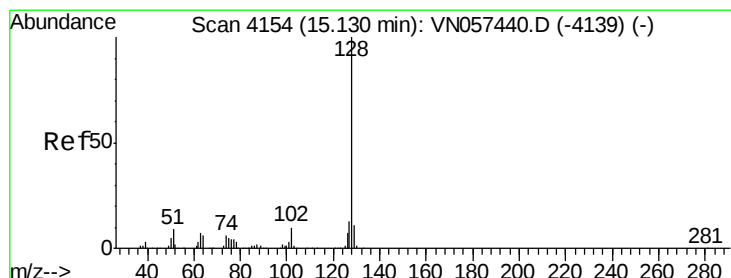
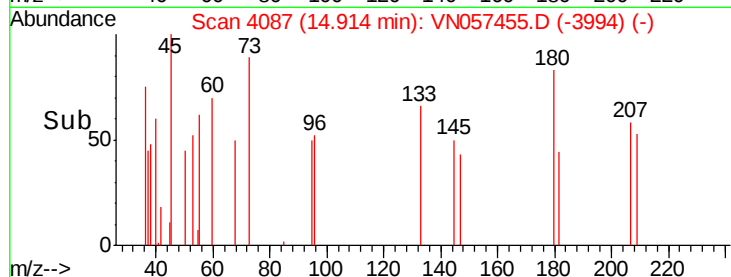
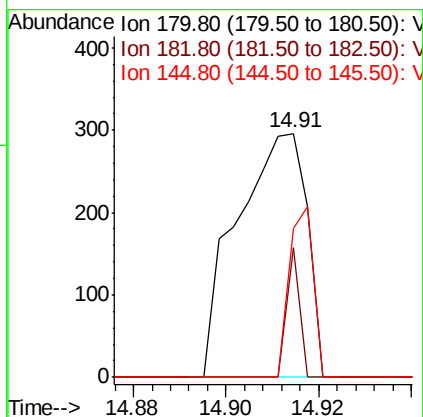
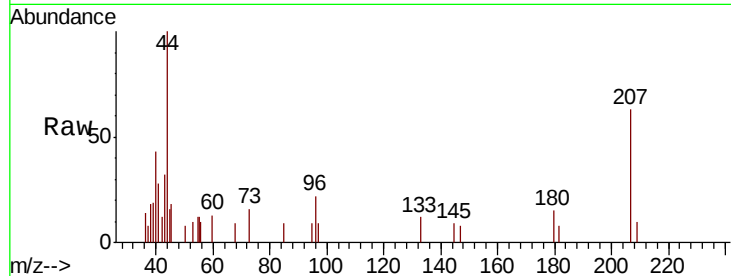




#93
 1,2,4-Trichlorobenzene
 Concen: 5.512 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057455.D
 Acq: 23 Aug 2019 1:05

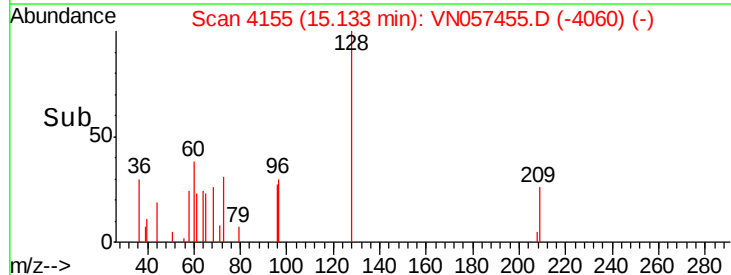
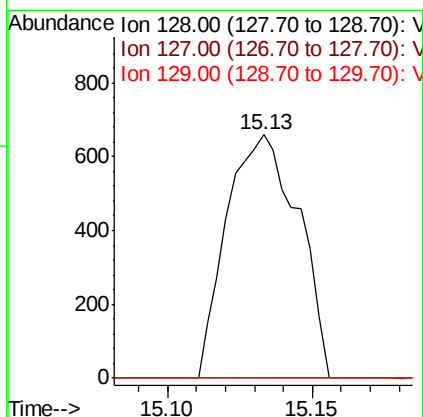
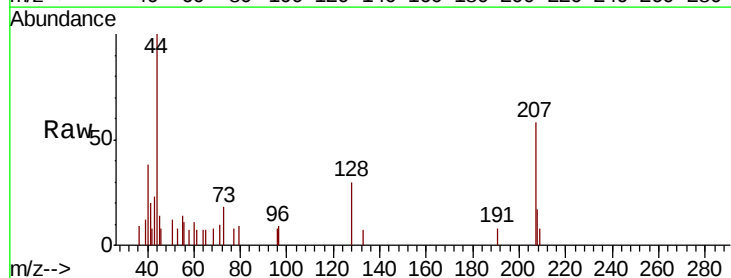
Instrument :
 MSVOA_N
 ClientSampled :
 HD-02-082119

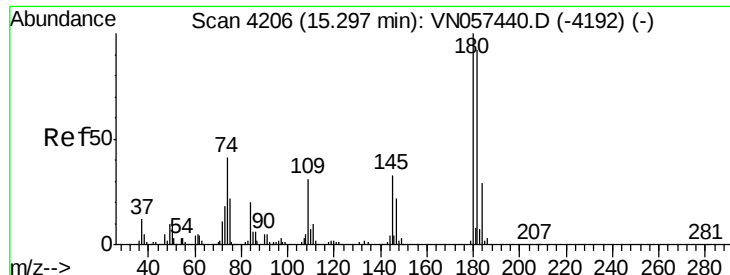
Tgt Ion:180 Resp: 311
 Ion Ratio Lower Upper
 180 100
 182 9.6 46.7 140.1#
 145 24.1 15.6 46.8



#95
 Naphthalene
 Concen: 4.502 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN057455.D
 Acq: 23 Aug 2019 1:05

Tgt Ion:128 Resp: 1128
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.5 15.7#
 129 0.0 8.6 13.0#





#96

1,2,3-Trichlorobenzene

Concen: 5.160 ug/l

RT: 15.28 min Scan# 4202

Delta R.T. -0.01 min

Lab File: VN057455.D

Acq: 23 Aug 2019 1:05

Instrument :

MSVOA_N

ClientSampleId :

HD-02-082119

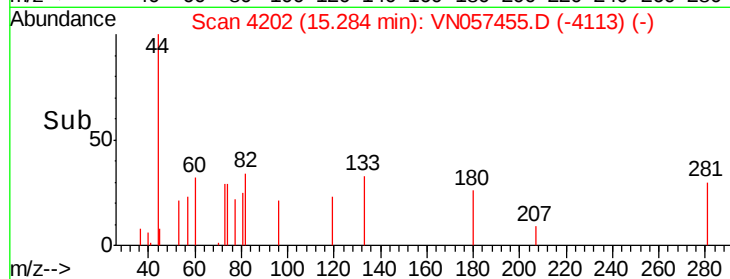
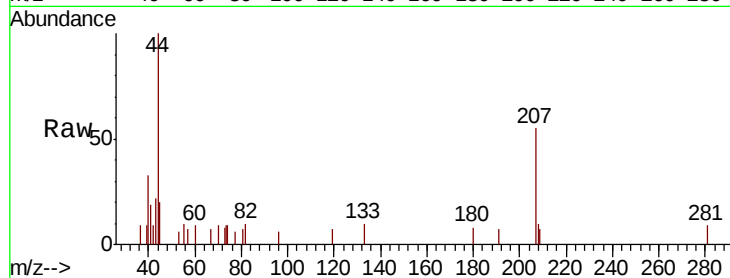
Tgt Ion:180 Resp: 99

Ion Ratio Lower Upper

180 100

182 160.6 46.7 140.1#

145 0.0 16.8 50.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

