

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058447.D
 Acq On : 30 Sep 2019 19:36
 Operator : JC/SP
 Sample : K4668-19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:35:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	414015	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	668439	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	578485	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	230253	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	295372	48.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.64%	
35) Dibromofluoromethane	7.57	113	208803	50.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.94%	
50) Toluene-d8	10.08	98	847189	52.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.58%	
62) 4-Bromofluorobenzene	12.41	95	269108	46.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.74%	

Target Compounds

					Qvalue	
3) Chloromethane	2.04	50	1061	0.213	ug/l	94
5) Bromomethane	2.56	94	1673	0.644	ug/l	90
11) Tert butyl alcohol	4.78	59	243	0.362	ug/l #	71
13) Acrolein	3.60	56	253	1.183	ug/l #	13
14) Allyl chloride	4.53	41	27159	3.821	ug/l #	20
16) Acetone	3.80	43	14315	6.941	ug/l	99
17) Carbon Disulfide	4.03	76	5536	0.538	ug/l #	94
18) Methyl Acetate	4.32	43	3854	0.743	ug/l #	67
20) Methylene Chloride	4.53	84	737846	155.024	ug/l	99
25) 2-Butanone	6.83	43	993	0.351	ug/l	99
29) Tetrahydrofuran	7.20	42	1010	0.562	ug/l #	50
30) Chloroform	7.36	83	2338	0.268	ug/l	86
31) Cyclohexane	7.65	56	10923	1.305	ug/l #	31
36) 1,1-Dichloropropene	7.65	75	35117	5.494	ug/l #	52
38) Carbon Tetrachloride	7.65	117	44594	7.729	ug/l #	16
43) Isopropyl Acetate	8.15	43	94113	9.236	ug/l	99
45) 1,2-Dichloropropane	9.26	63	1869	0.379	ug/l #	43
48) Methyl methacrylate	9.18	41	6160	1.328	ug/l #	14
49) 1,4-Dioxane	9.19	88	59	0.951	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	7971	1.523	ug/l #	86
54) cis-1,3-Dichloropropene	9.90	75	40186	5.626	ug/l #	66
59) 2-Hexanone	10.76	43	108363	28.431	ug/l #	55
60) Dibromochloromethane	10.90	129	366	Below Cal		99
65) Chlorobenzene	11.44	112	2817	0.245	ug/l	90
67) Ethyl Benzene	11.51	91	4558	0.219	ug/l	98
68) m/p-Xylenes	11.62	106	4007	0.511	ug/l	94
69) o-Xylene	11.95	106	3184	0.422	ug/l	80
71) Bromoform	12.13	173	108	0.735	ug/l #	29
74) N-amyl acetate	12.07	43	3509	0.518	ug/l #	86
75) 1,1,2,2-Tetrachloroethane	12.51	83	1035	0.206	ug/l #	94
76) 1,2,3-Trichloropropane	12.41	75	149220	35.481	ug/l #	100
77) Bromobenzene	12.53	156	905	0.227	ug/l	86
78) n-propylbenzene	12.60	91	7201	0.376	ug/l	92
80) 1,3,5-Trimethylbenzene	12.74	105	17308	1.215	ug/l	99

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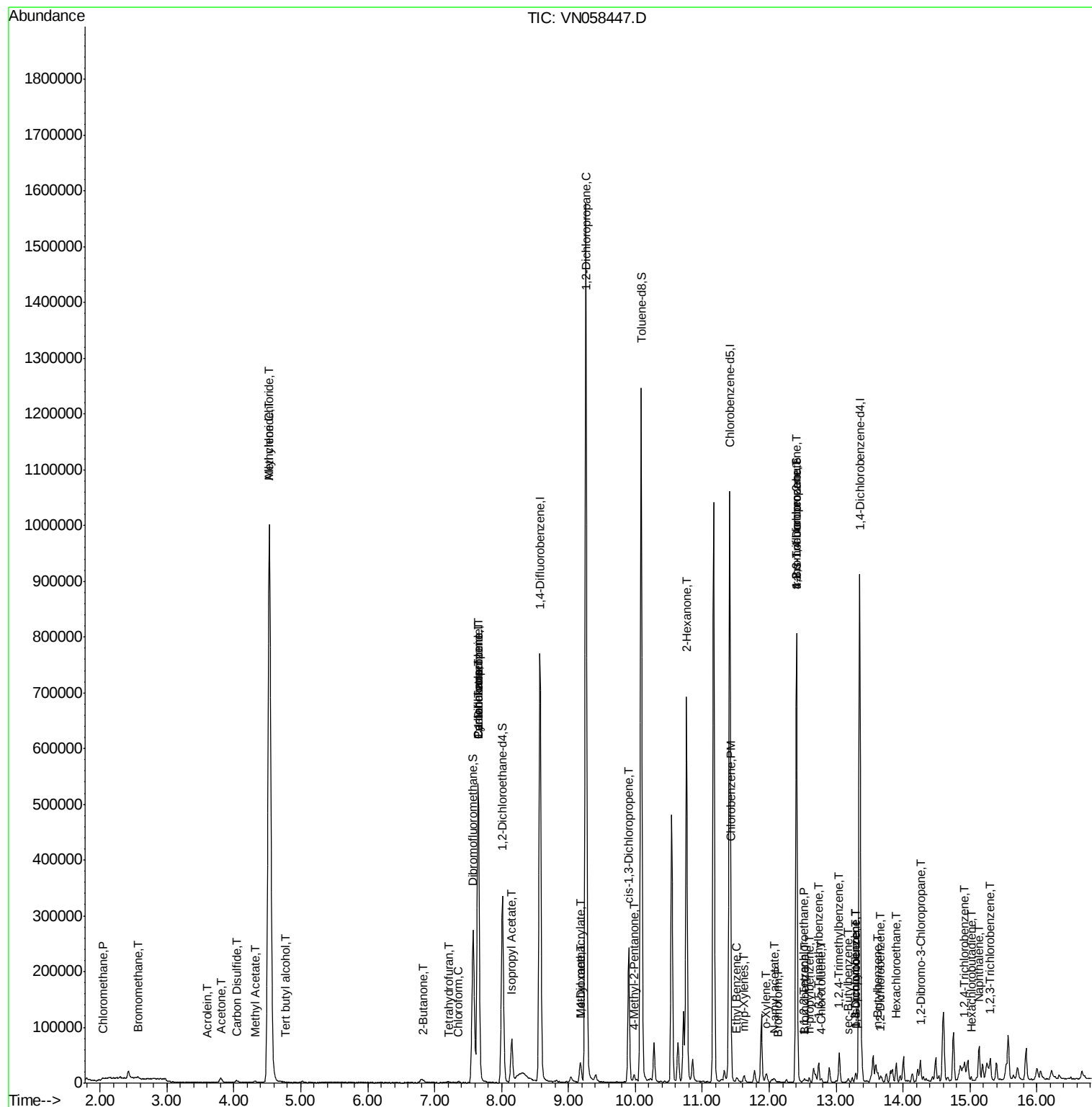
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	12.41	75	149220	107.761	ug/l #	7
82) 4-Chlorotoluene	12.78	91	4102	0.340	ug/l	87
84) 1,2,4-Trimethylbenzene	13.05	105	29029	2.034	ug/l	98
85) sec-Butylbenzene	13.18	105	4406	0.279	ug/l	99
86) p-Isopropyltoluene	13.29	119	5966	0.428	ug/l	91
87) 1,3-Dichlorobenzene	13.29	146	3134	0.433	ug/l	98
88) 1,4-Dichlorobenzene	13.29	146	3134	0.435	ug/l	97
89) n-Butylbenzene	13.62	91	8579	0.680	ug/l	91
90) Hexachloroethane	13.90	117	2009	0.960	ug/l #	11
91) 1,2-Dichlorobenzene	13.66	146	3329	0.479	ug/l	93
92) 1,2-Dibromo-3-Chloropropan	14.28	75	902	1.017	ug/l #	52
93) 1,2,4-Trichlorobenzene	14.92	180	8322	2.166	ug/l #	84
94) Hexachlorobutadiene	15.02	225	1312	0.665	ug/l	92
95) Naphthalene	15.14	128	47876	4.229	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	9818	2.525	ug/l #	85

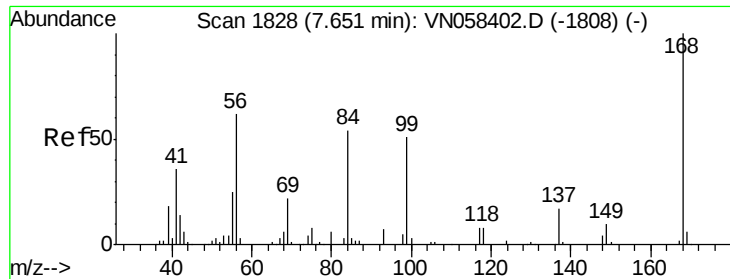
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058447.D

Acq: 30 Sep 2019 19:36

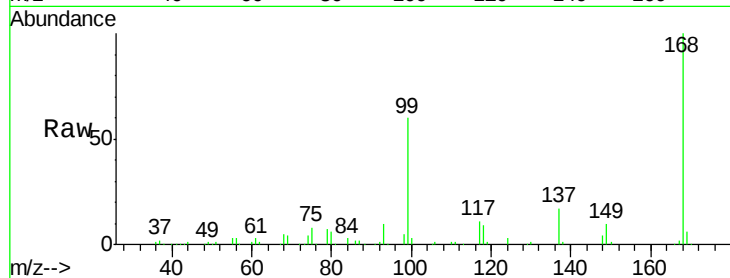
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 414015

Ion Ratio Lower Upper

168 100

99 60.2 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

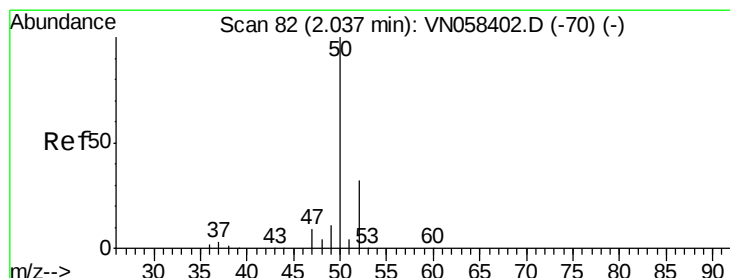
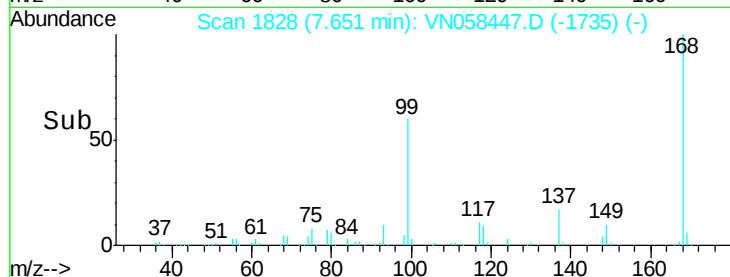
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.213 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058447.D

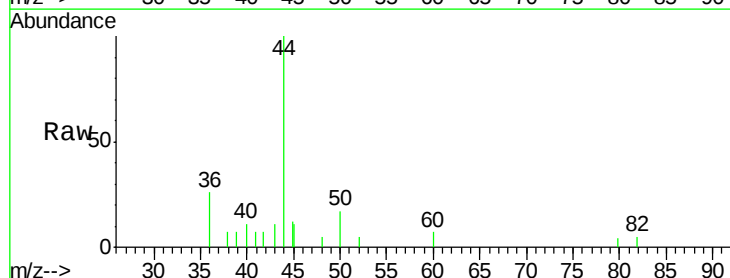
Acq: 30 Sep 2019 19:36

Tgt Ion: 50 Resp: 1061

Ion Ratio Lower Upper

50 100

52 29.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

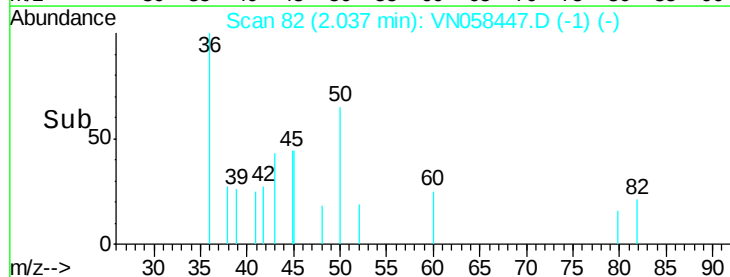
600

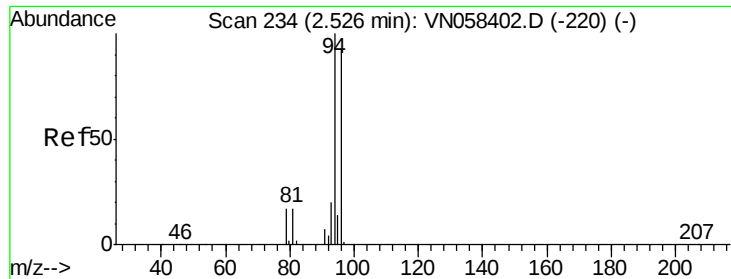
400

200

0

Time--> 2.00 2.02 2.04 2.06 2.08





#5

Bromomethane

Concen: 0.644 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.04 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

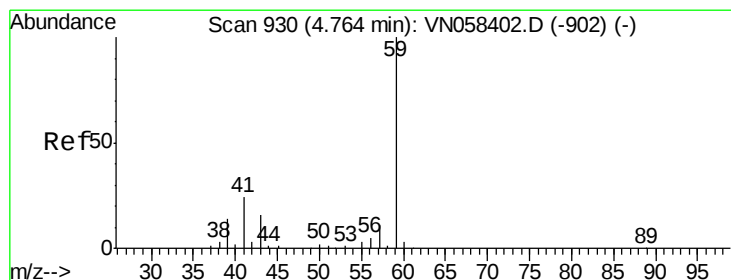
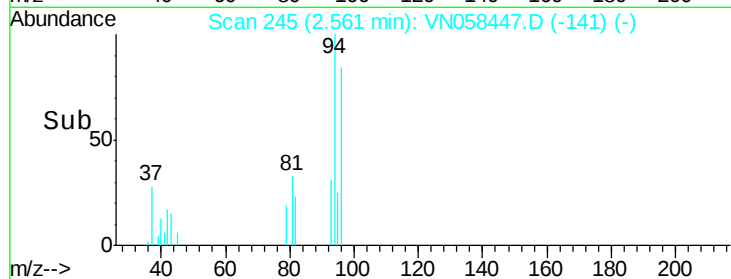
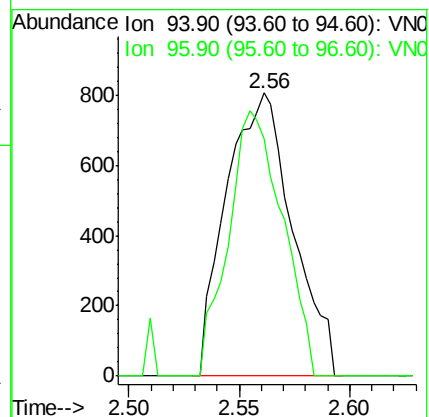
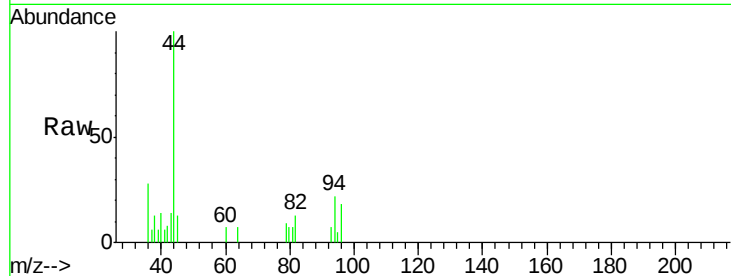
ClientSampled :

Tot Ion: 94 Resp: 1673

Ion Ratio Lower Upper

94 100

96 83.7 74.8 112.2



#11

Tert butyl alcohol

Concen: 0.362 ug/l

RT: 4.78 min Scan# 934

Delta R.T. 0.01 min

Lab File: VN058447.D

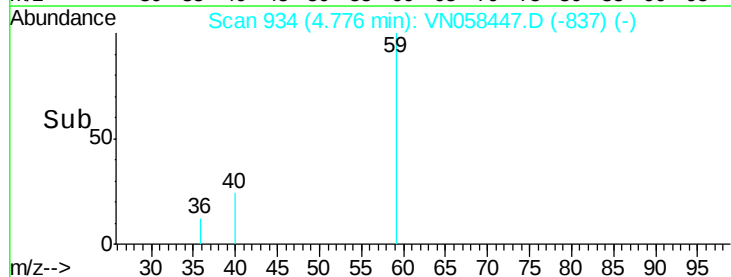
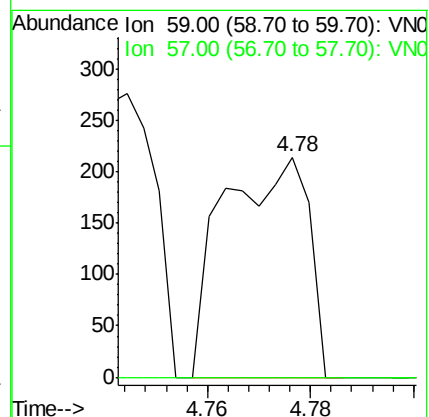
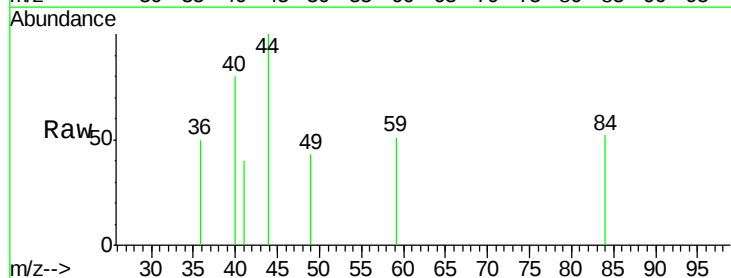
Acq: 30 Sep 2019 19:36

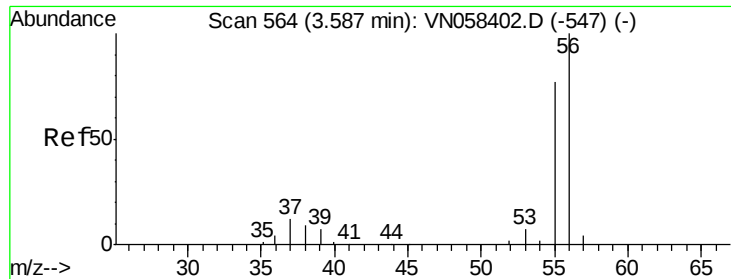
Tgt Ion: 59 Resp: 243

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#

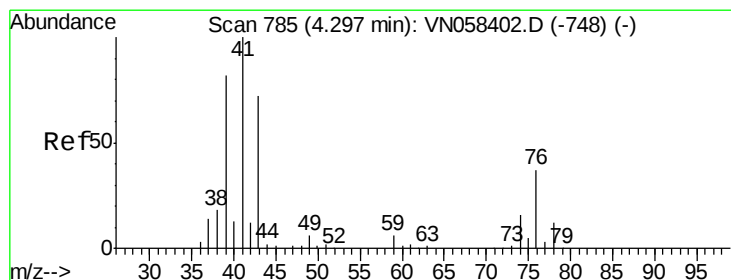
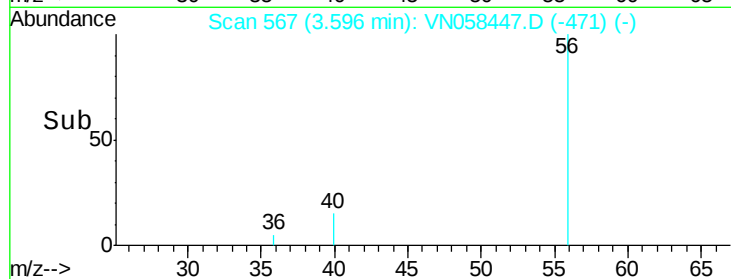
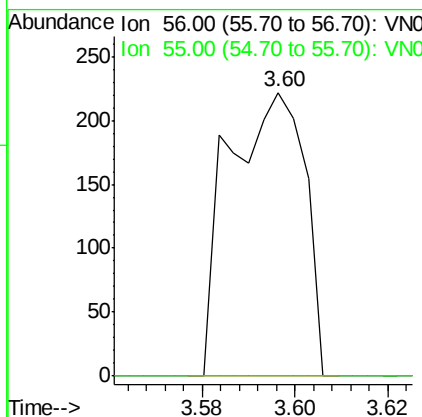
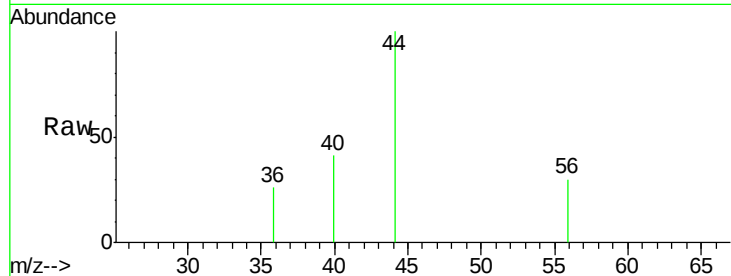




#13
Acrolein
Concen: 1.183 ug/l
RT: 3.60 min Scan# 567
Delta R.T. 0.01 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

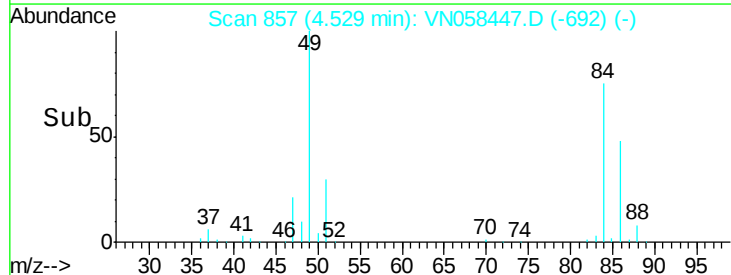
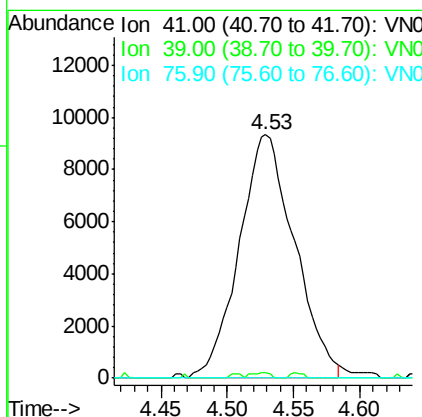
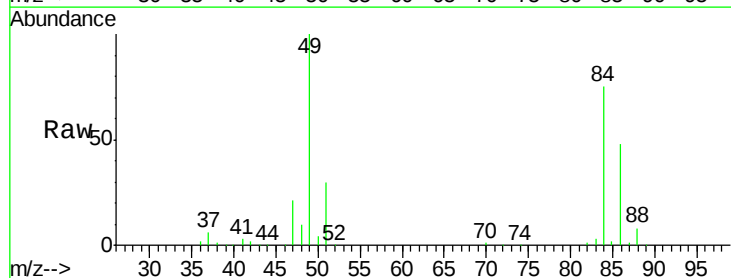
Instrument :
MSVOA_N
ClientSampled :

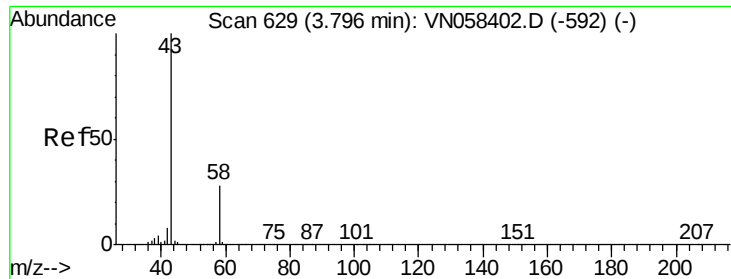
Tot Ion: 56 Resp: 253
Ion Ratio Lower Upper
56 100
55 0.0 58.3 87.5#



#14
Allyl chloride
Concen: 3.821 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.23 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

Tgt Ion: 41 Resp: 27159
Ion Ratio Lower Upper
41 100
39 0.7 62.3 93.5#
76 0.0 26.9 40.3#





#16

Acetone

Concen: 6.941 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

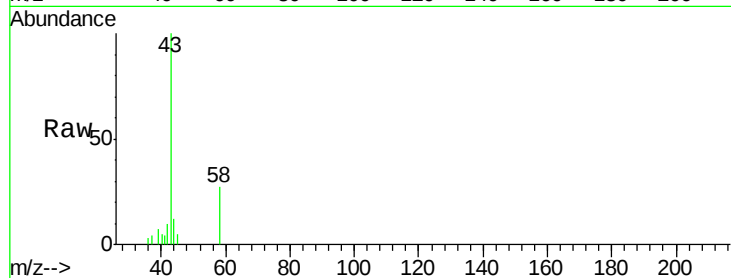
ClientSampled :

Tot Ion: 43 Resp: 14315

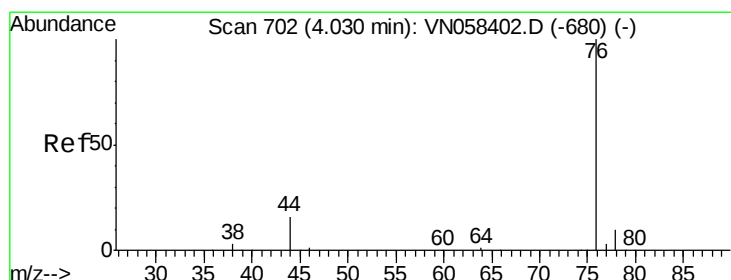
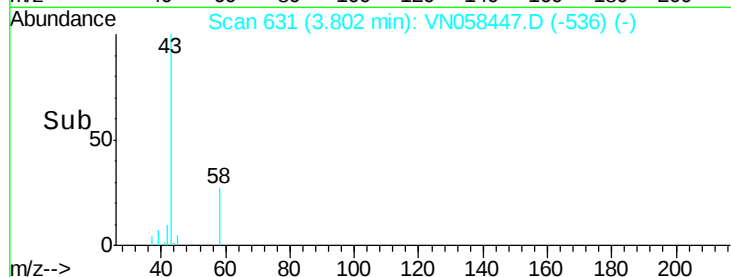
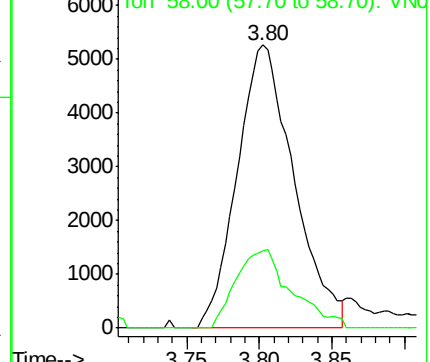
Ion Ratio Lower Upper

43 100

58 27.3 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0



#17

Carbon Disulfide

Concen: 0.538 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058447.D

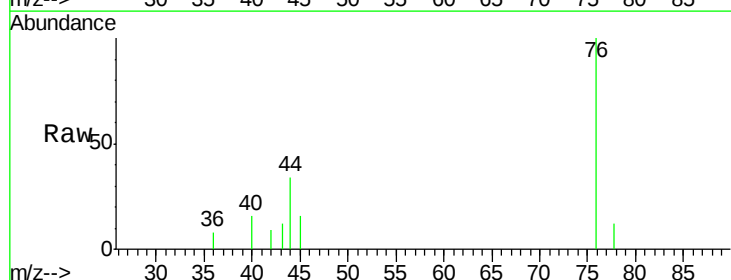
Acq: 30 Sep 2019 19:36

Tgt Ion: 76 Resp: 5536

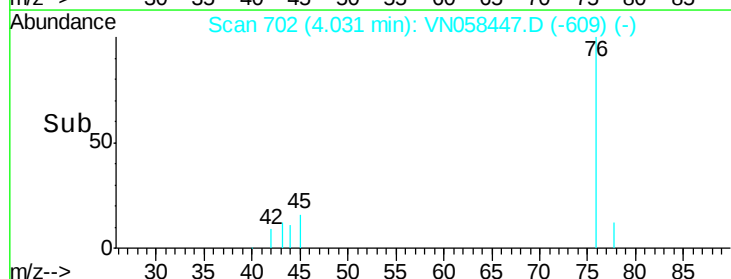
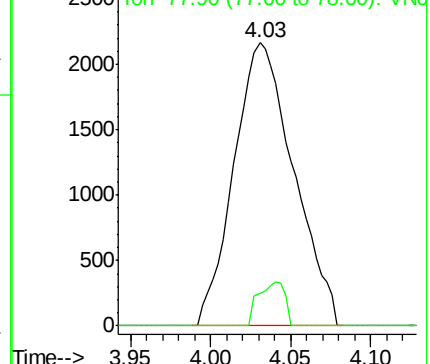
Ion Ratio Lower Upper

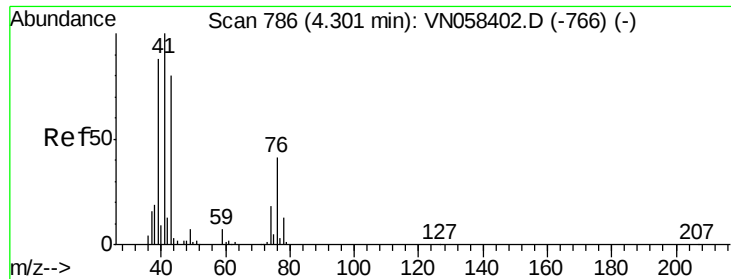
76 100

78 11.7 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

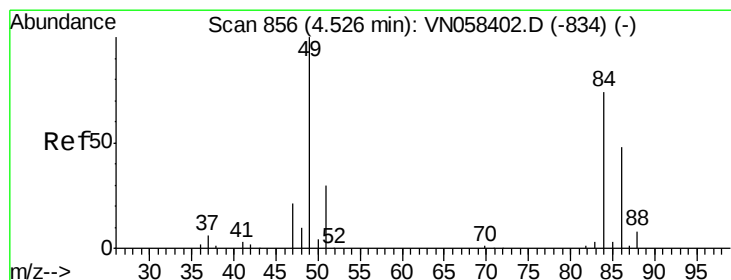
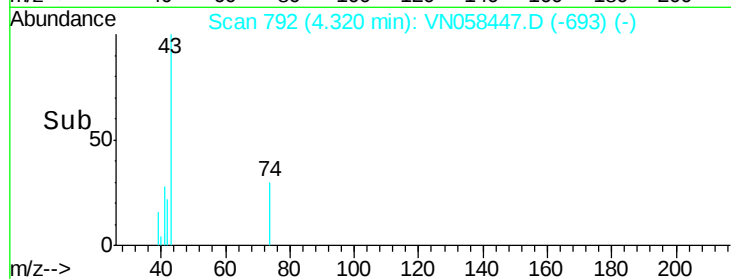
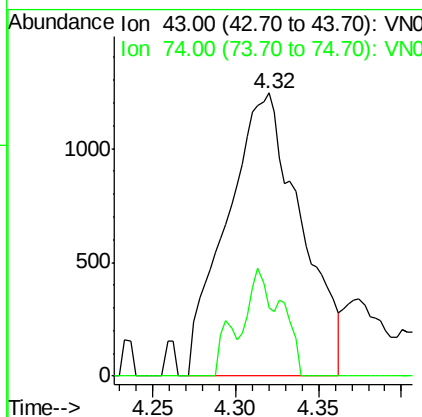
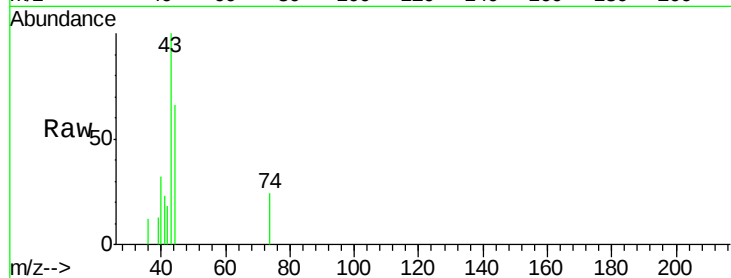




#18
Methyl Acetate
Concen: 0.743 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.02 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

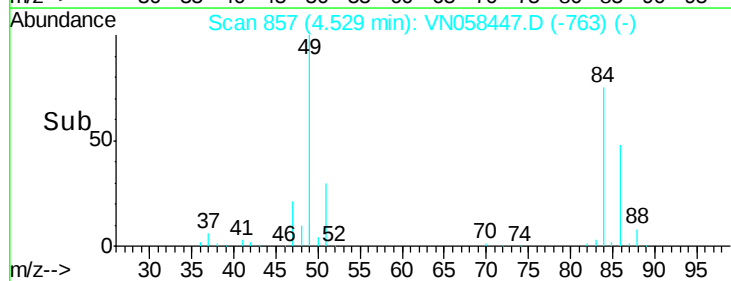
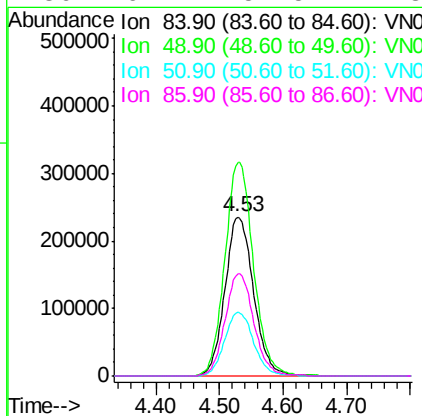
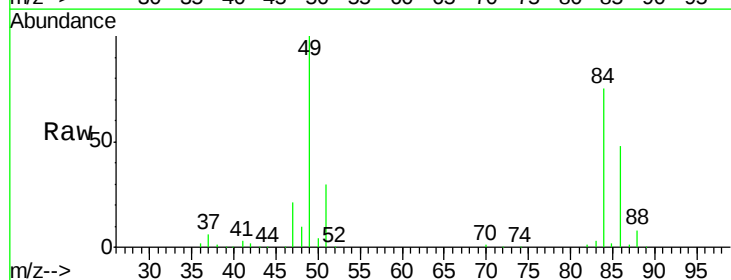
Instrument :
MSVOA_N
ClientSampled :

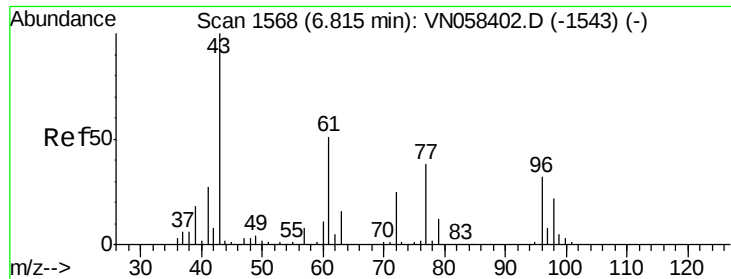
Tot Ion: 43 Resp: 3854
Ion Ratio Lower Upper
43 100
74 6.6 18.0 27.0#



#20
Methylene Chloride
Concen: 155.024 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

Tgt Ion: 84 Resp: 737846
Ion Ratio Lower Upper
84 100
49 134.0 107.9 161.9
51 40.1 32.8 49.2
86 64.2 51.5 77.3





#25

2-Butanone

Concen: 0.351 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

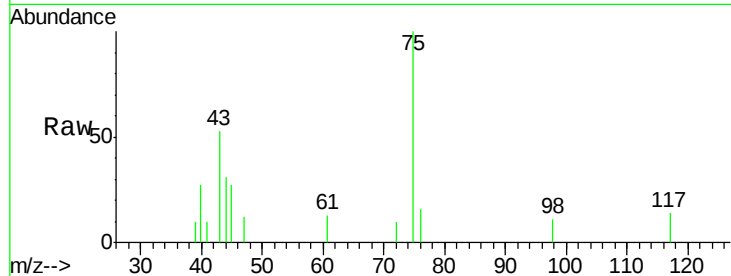
ClientSampleId :

Tot Ion: 43 Resp: 993

Ion Ratio Lower Upper

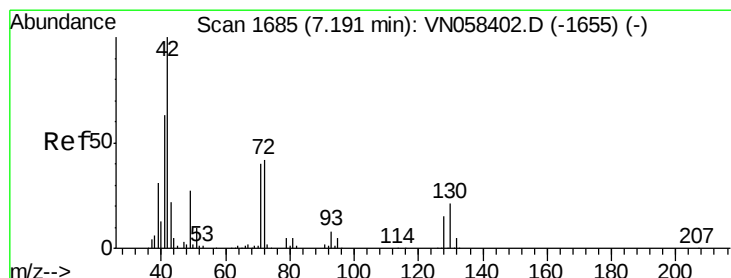
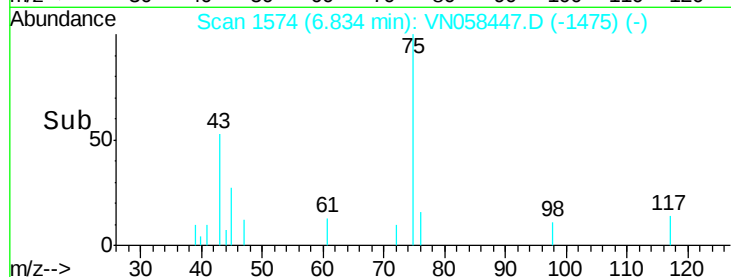
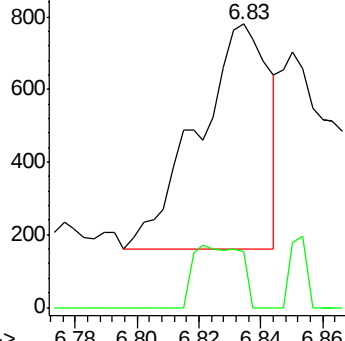
43 100

72 24.8 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.562 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

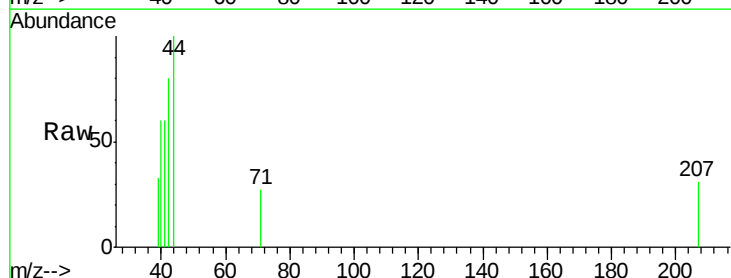
Tgt Ion: 42 Resp: 1010

Ion Ratio Lower Upper

42 100

72 6.7 33.7 50.5#

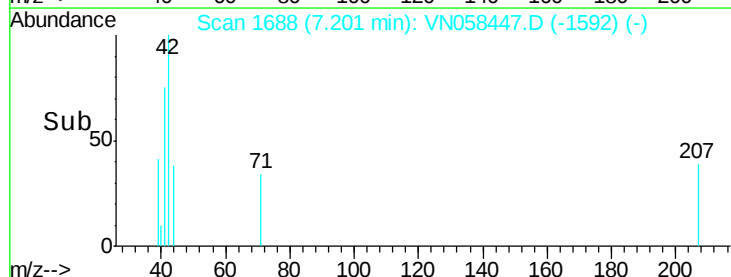
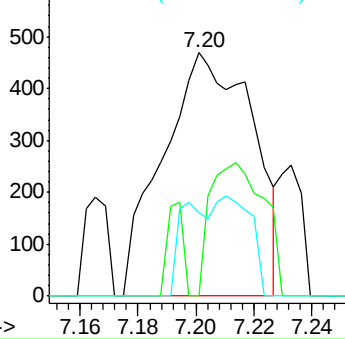
71 12.6 31.8 47.6#

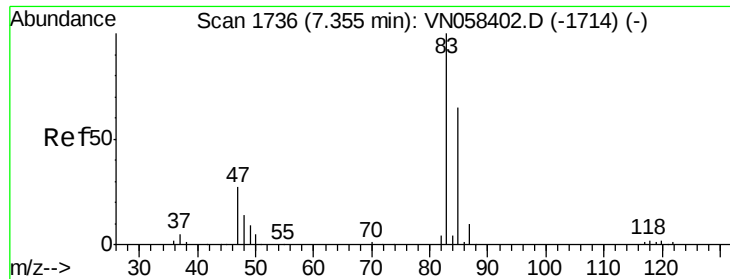


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

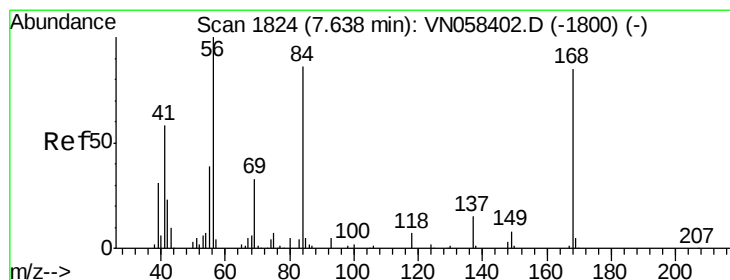
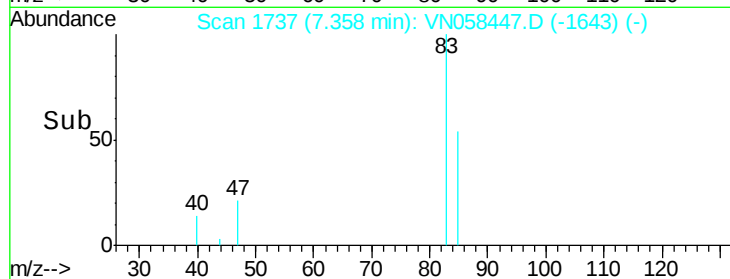
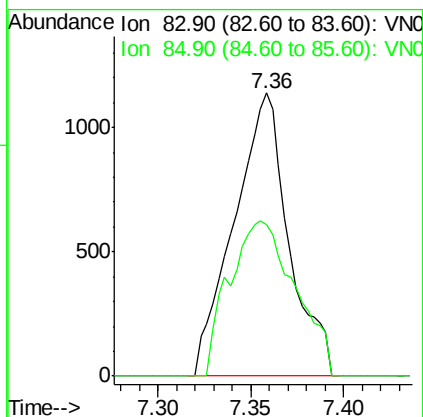
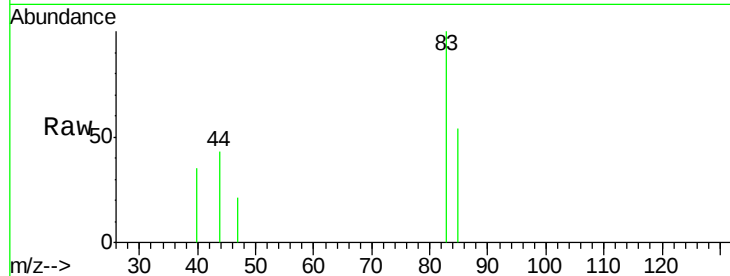




#30
Chloroform
Concen: 0.268 ug/l
RT: 7.36 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

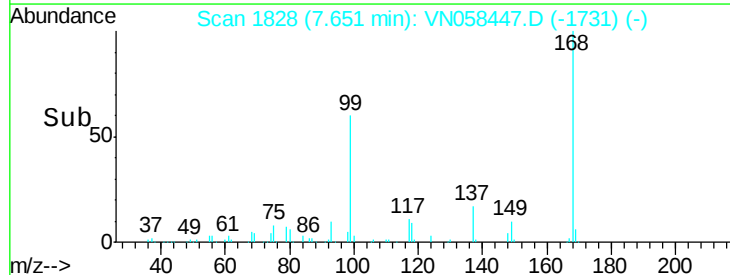
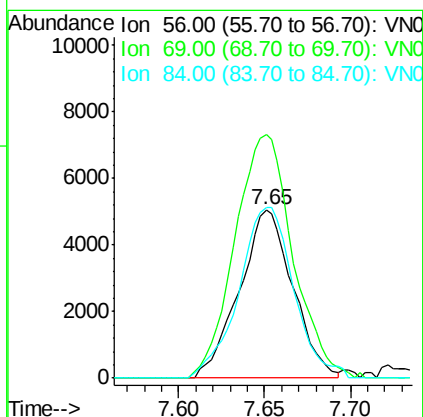
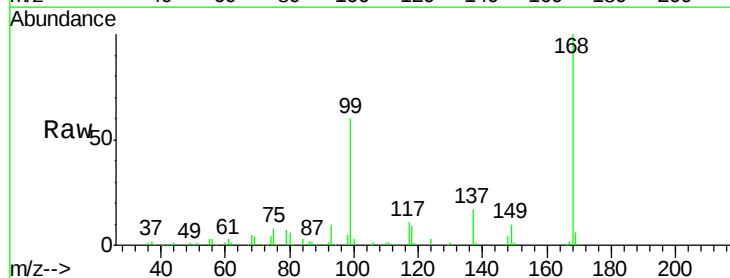
Instrument :
MSVOA_N
ClientSampled :

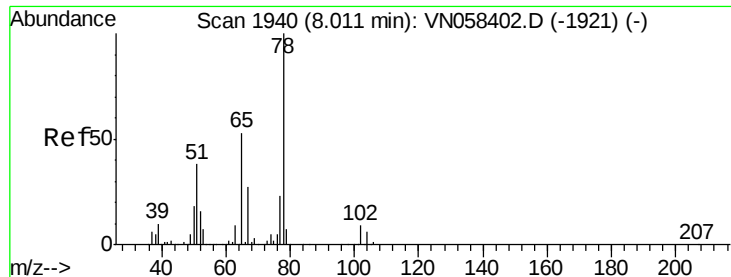
Tot Ion: 83 Resp: 2338
Ion Ratio Lower Upper
83 100
85 53.6 52.0 78.0



#31
Cyclohexane
Concen: 1.305 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

Tgt Ion: 56 Resp: 10923
Ion Ratio Lower Upper
56 100
69 144.5 26.2 39.4#
84 101.7 67.6 101.4#





#33

1,2-Dichloroethane-d4

Concen: 48.821 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

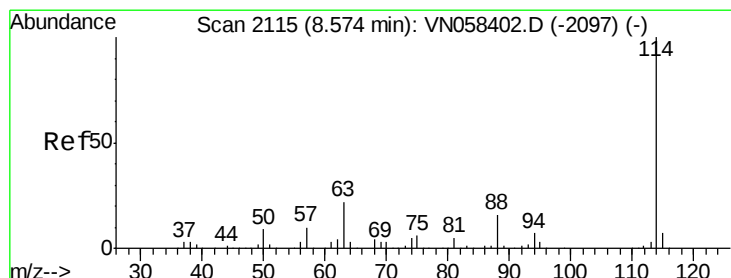
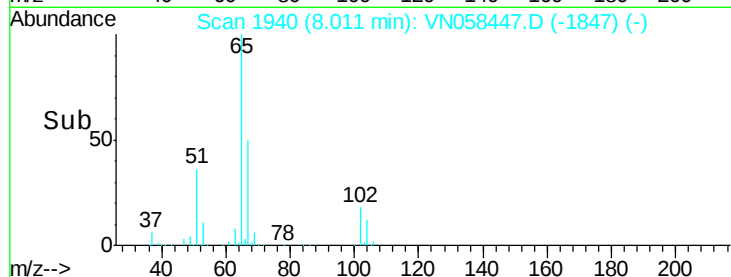
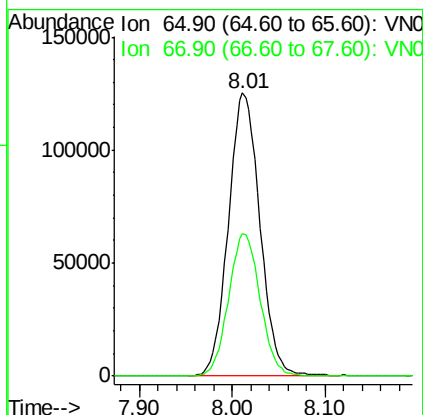
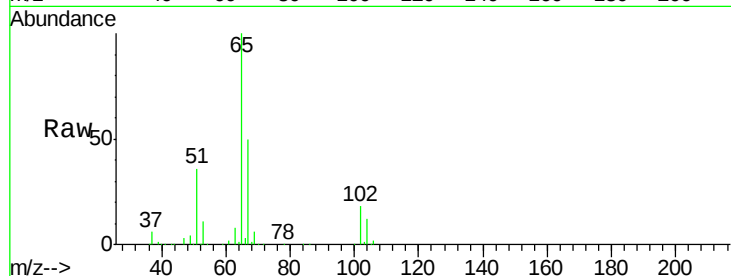
ClientSampleId :

Tot Ion: 65 Resp: 295372

Ion Ratio Lower Upper

65 100

67 50.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

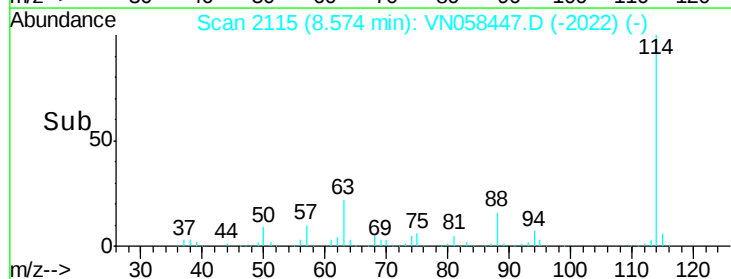
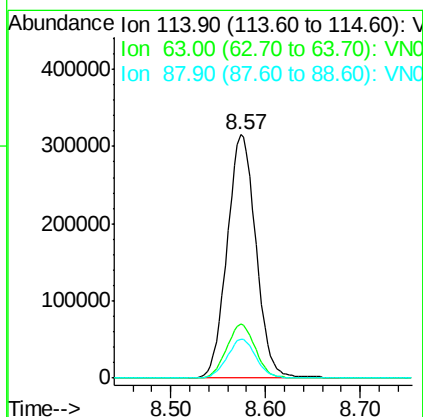
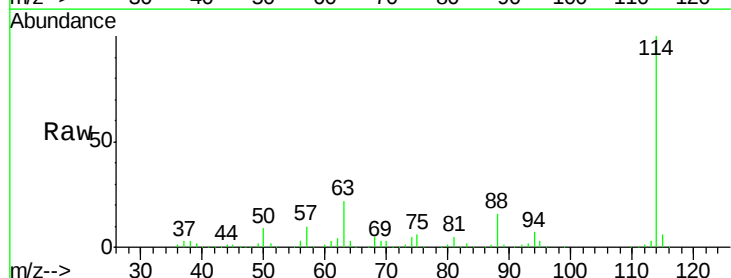
Tgt Ion: 114 Resp: 668439

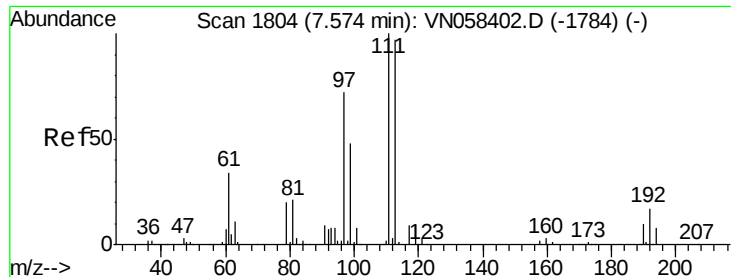
Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

88 15.9 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.967 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :

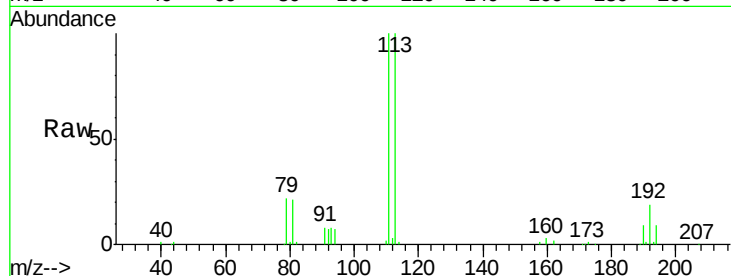
Tot Ion:113 Resp: 208803

Ion Ratio Lower Upper

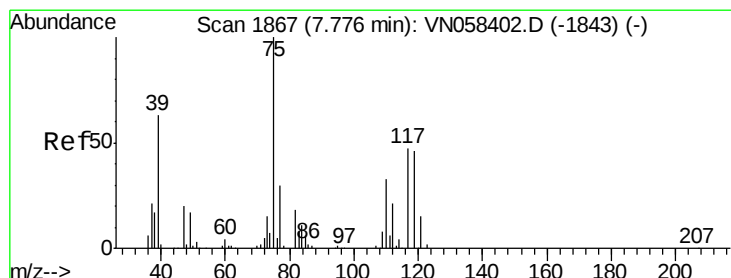
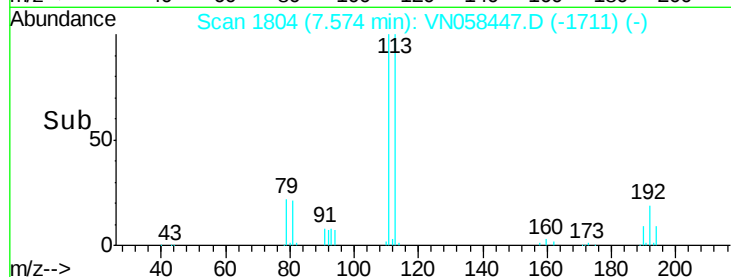
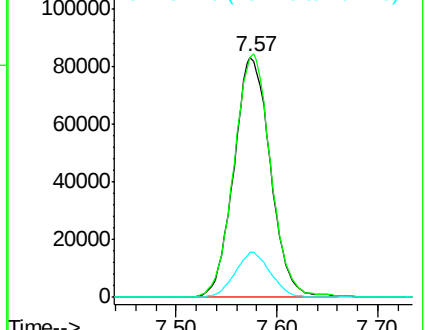
113 100

111 102.0 83.4 125.2

192 18.2 14.9 22.3



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: 5.494 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.13 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

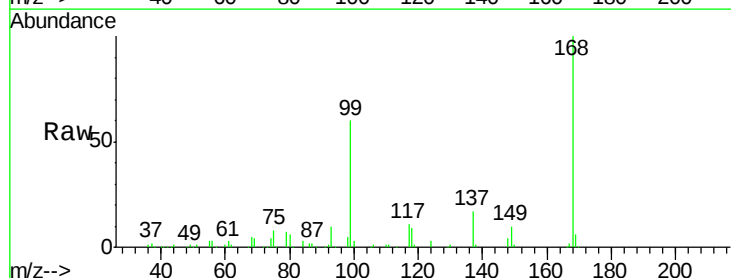
Tgt Ion: 75 Resp: 35117

Ion Ratio Lower Upper

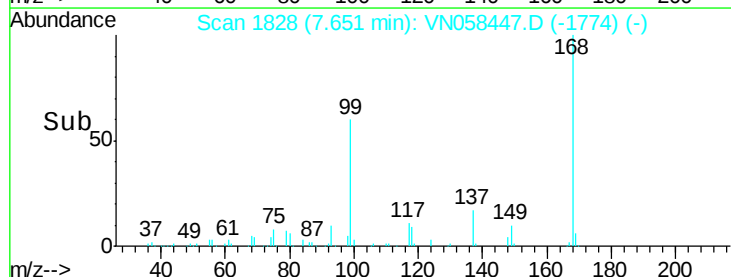
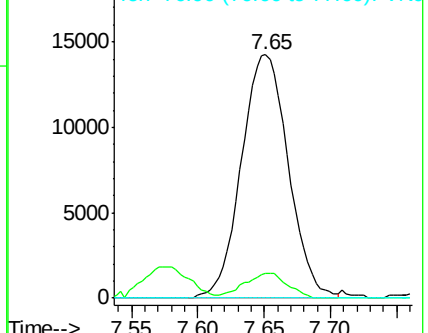
75 100

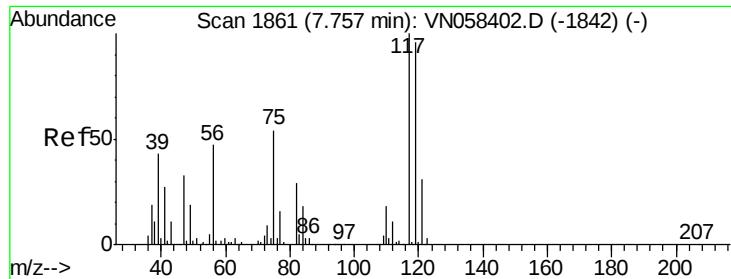
110 9.3 16.4 49.2#

77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 7.729 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

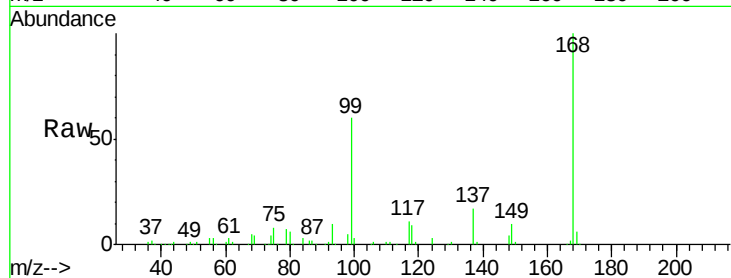
Tot Ion:117 Resp: 44594

Ion Ratio Lower Upper

117 100

119 4.9 76.6 115.0#

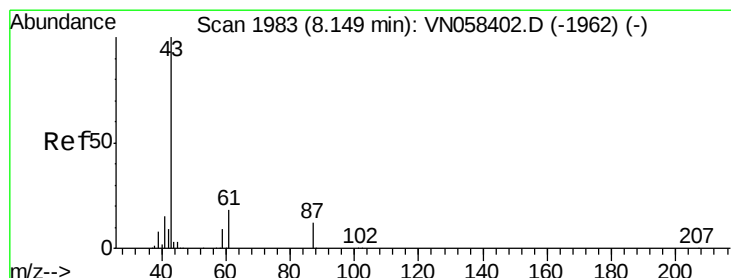
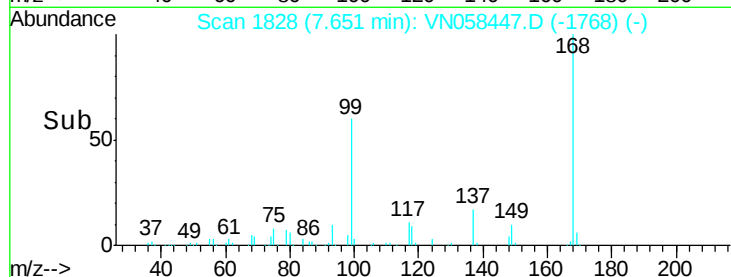
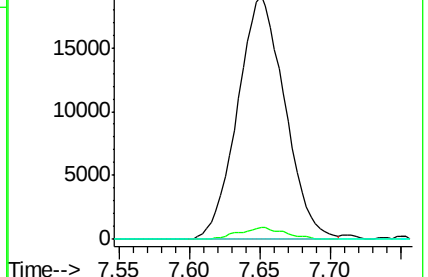
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.236 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

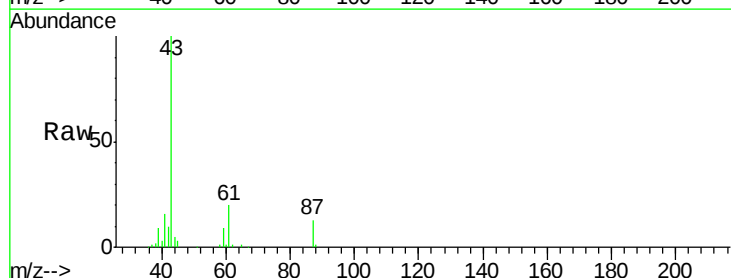
Tgt Ion: 43 Resp: 94113

Ion Ratio Lower Upper

43 100

61 17.9 14.8 22.2

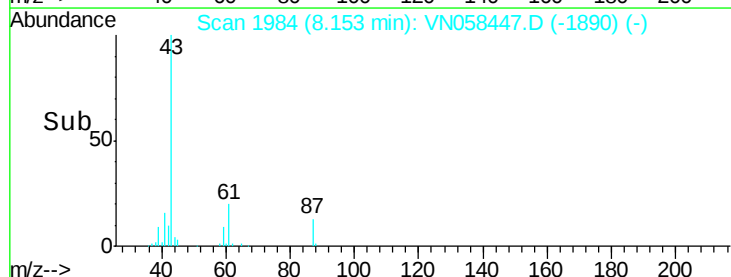
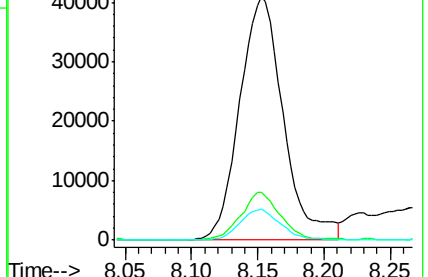
87 11.6 9.7 14.5

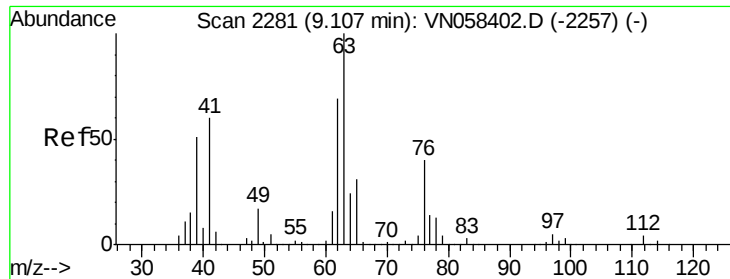


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.379 ug/l

RT: 9.26 min Scan# 2329

Delta R.T. 0.15 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

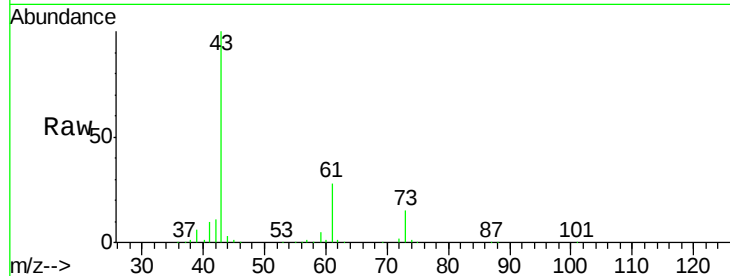
ClientSampled :

Tot Ion: 63 Resp: 1869

Ion Ratio Lower Upper

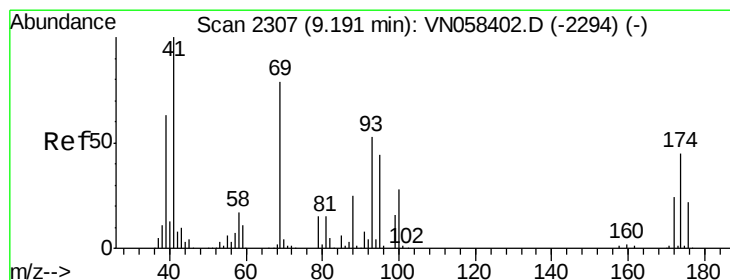
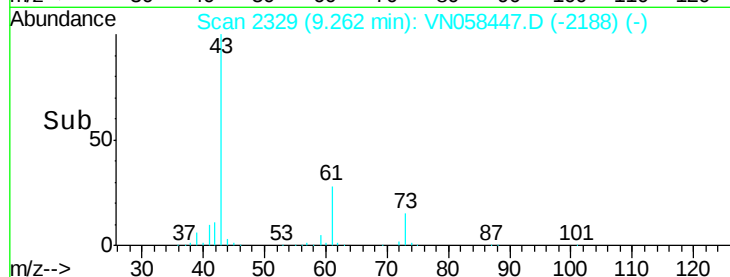
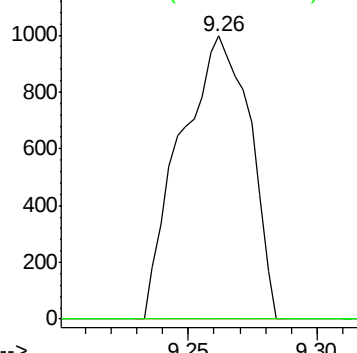
63 100

65 0.0 25.0 37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.328 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.01 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

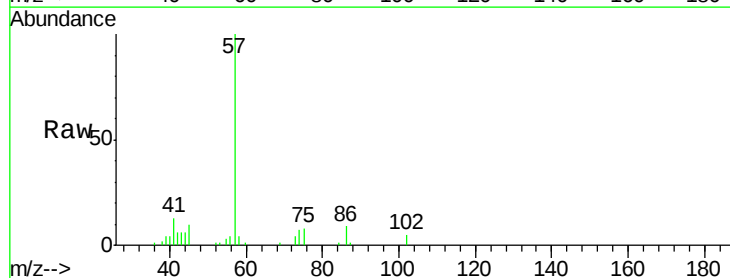
Tgt Ion: 41 Resp: 6160

Ion Ratio Lower Upper

41 100

69 2.3 64.7 97.1#

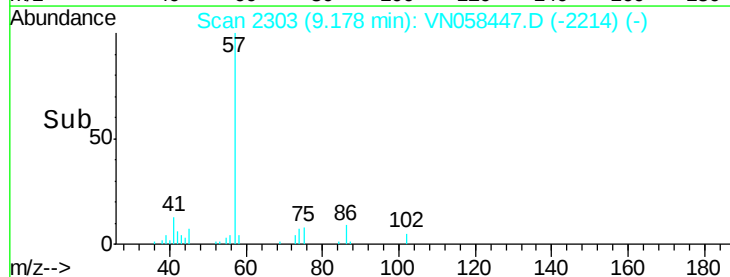
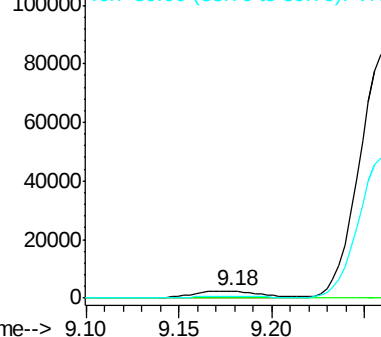
39 0.0 52.9 79.3#

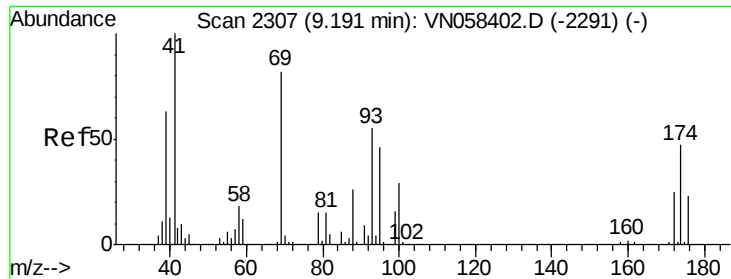


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 0.951 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

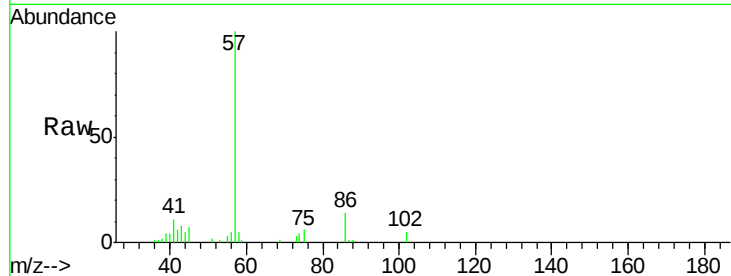
Tot Ion: 88 Resp: 59

Ion Ratio Lower Upper

88 100

43 0.0 31.1 46.7#

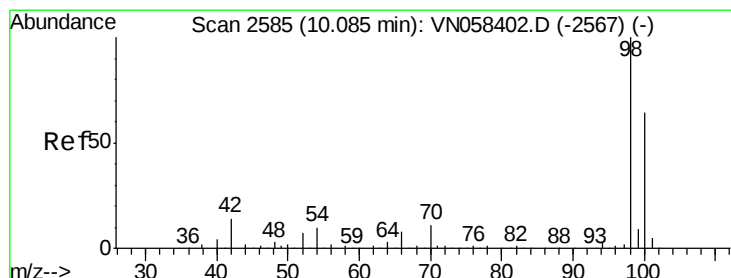
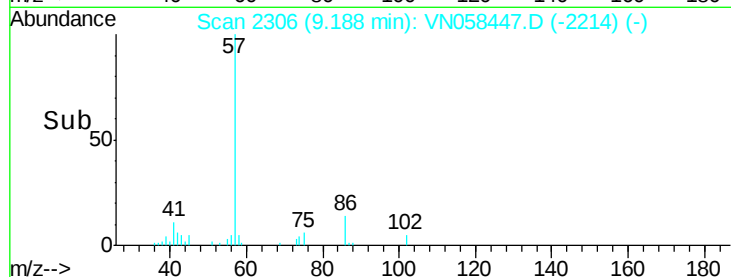
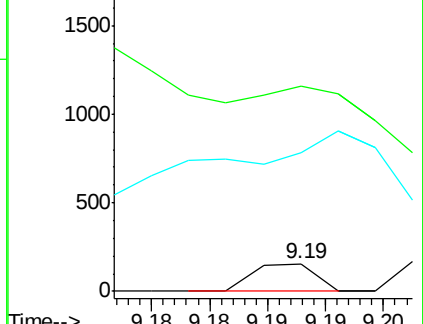
58 2384.7 58.1 87.1#



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: 52.788 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058447.D

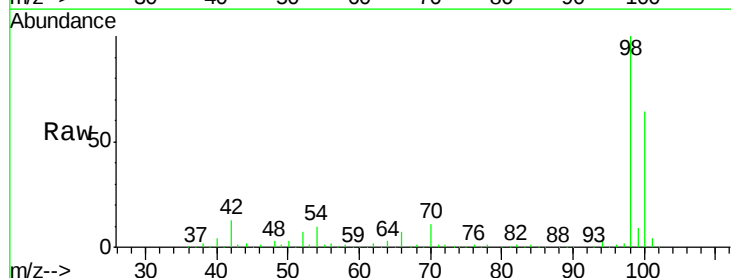
Acq: 30 Sep 2019 19:36

Tgt Ion: 98 Resp: 847189

Ion Ratio Lower Upper

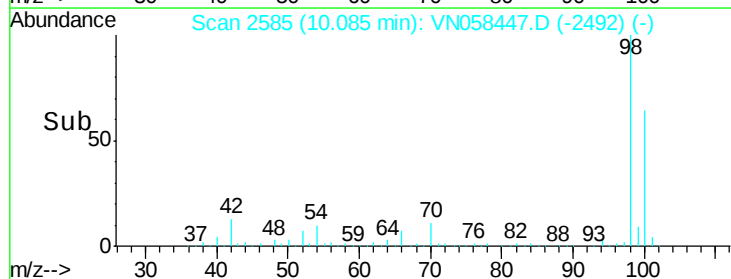
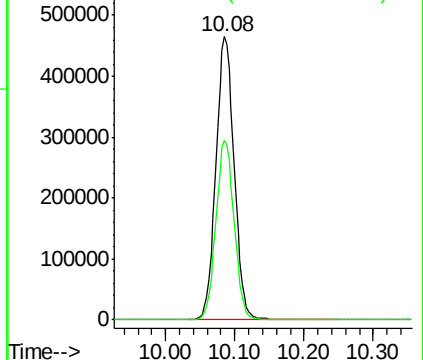
98 100

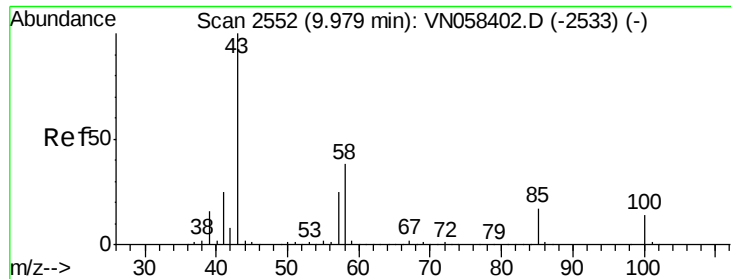
100 63.2 51.0 76.6



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: 1.523 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

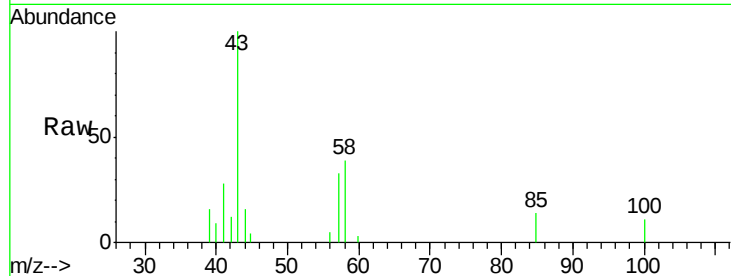
ClientSampled :

Tot Ion: 43 Resp: 7971

Ion Ratio Lower Upper

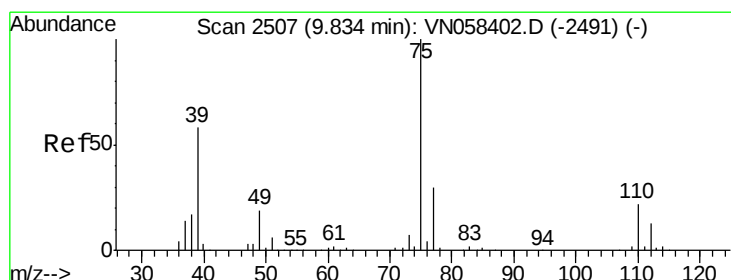
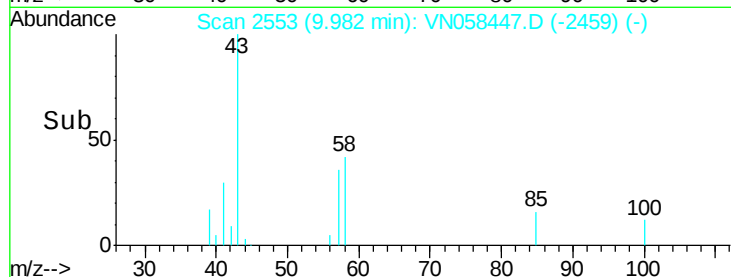
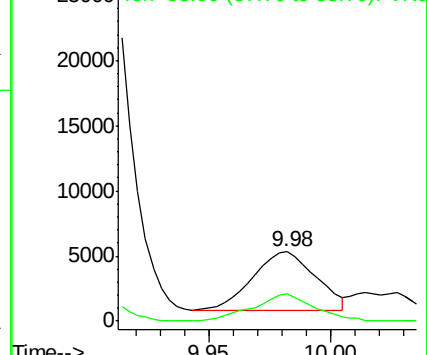
43 100

58 46.0 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.626 ug/l

RT: 9.90 min Scan# 2527

Delta R.T. 0.06 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

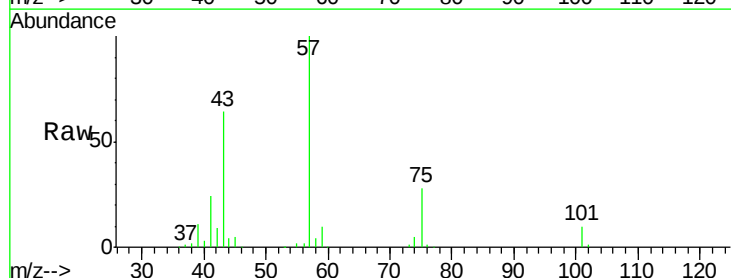
Tgt Ion: 75 Resp: 40186

Ion Ratio Lower Upper

75 100

77 0.7 24.2 36.4#

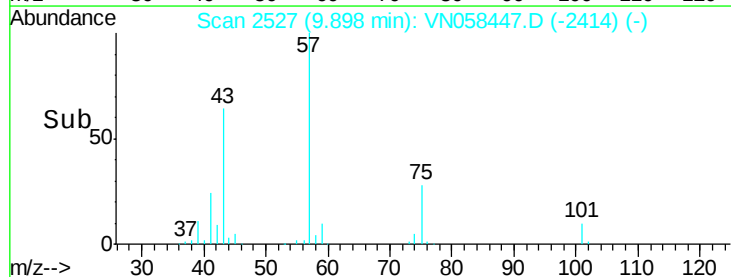
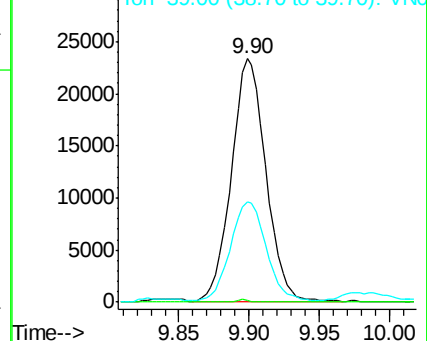
39 40.2 46.4 69.6#

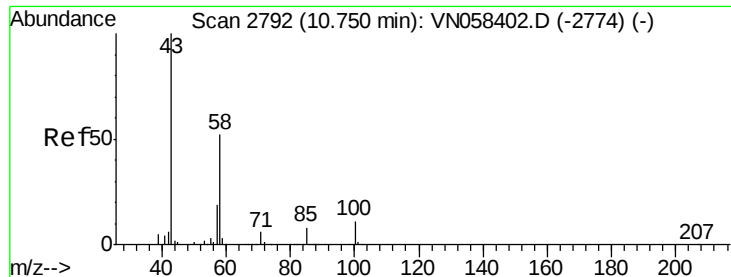


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

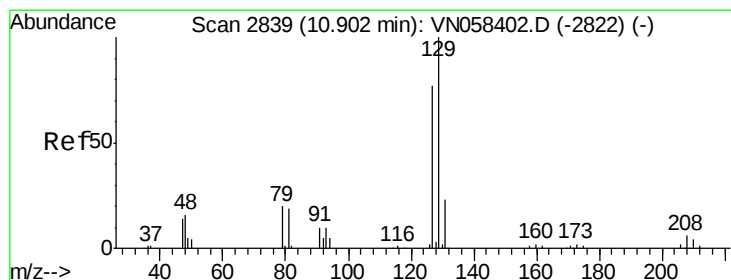
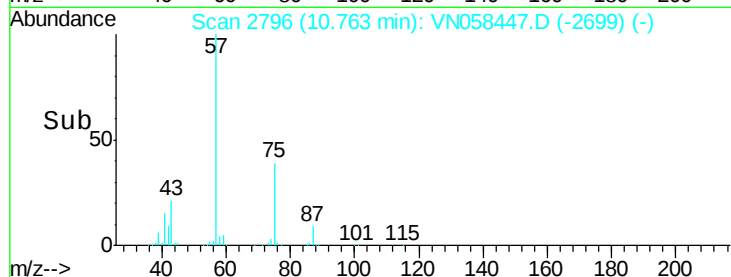
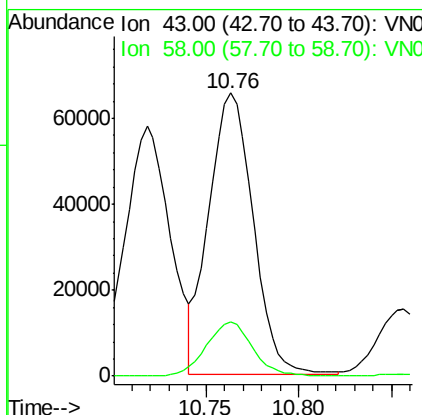
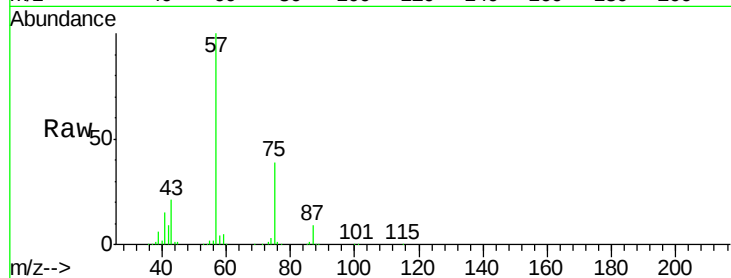




#59
2-Hexanone
Concen: 28.431 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

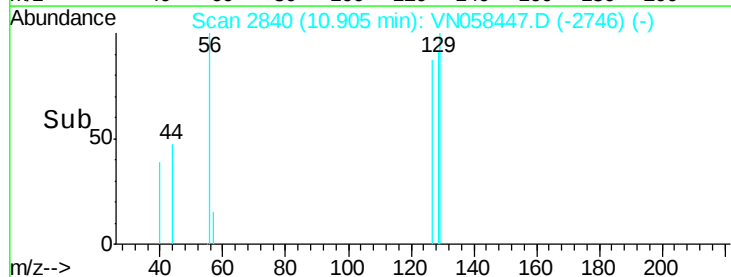
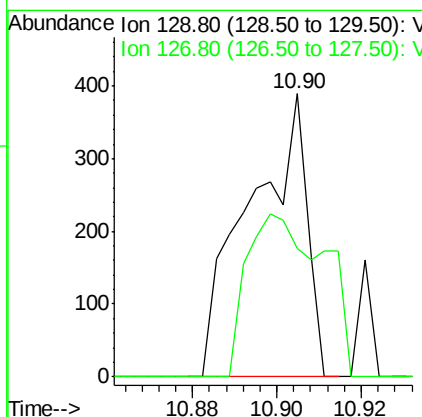
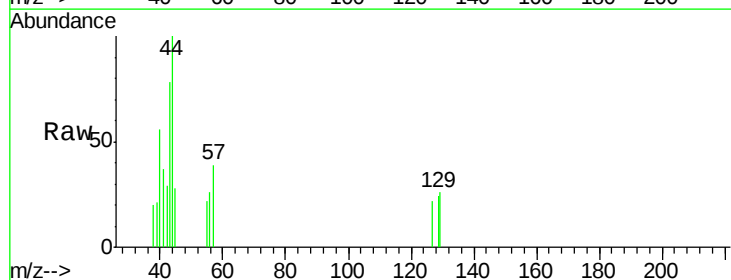
Instrument :
MSVOA_N
ClientSampled :

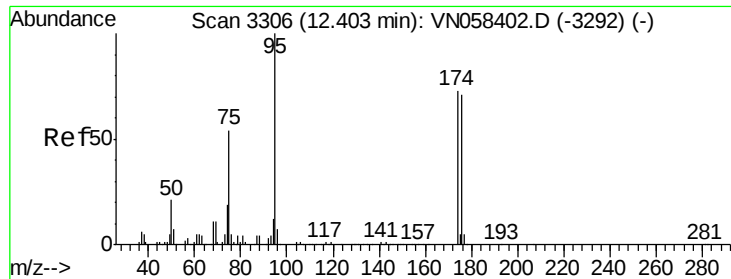
Tot Ion: 43 Resp: 108363
Ion Ratio Lower Upper
43 100
58 20.3 25.8 77.3#



#60
Dibromochloromethane
Concen: Below Cal
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

Tgt Ion: 129 Resp: 366
Ion Ratio Lower Upper
129 100
127 77.6 38.3 114.8





#62

4-Bromofluorobenzene

Concen: 46.374 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

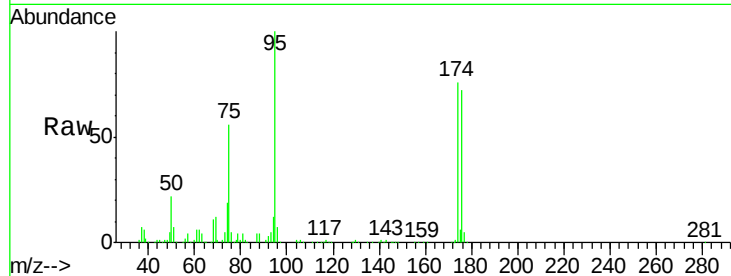
Tot Ion: 95 Resp: 269108

Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.6

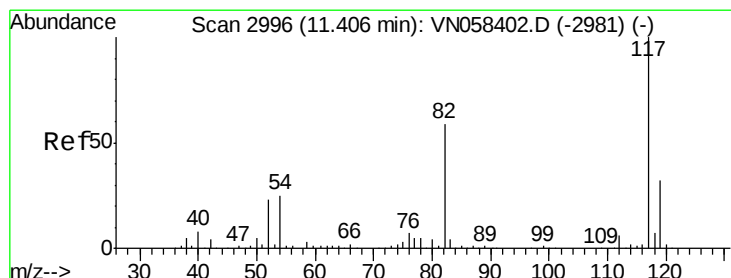
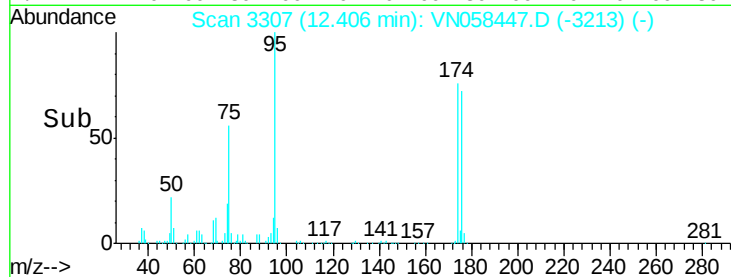
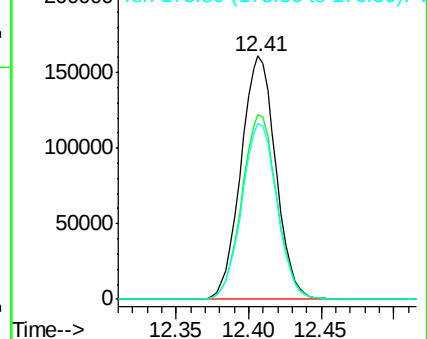
176 72.8 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

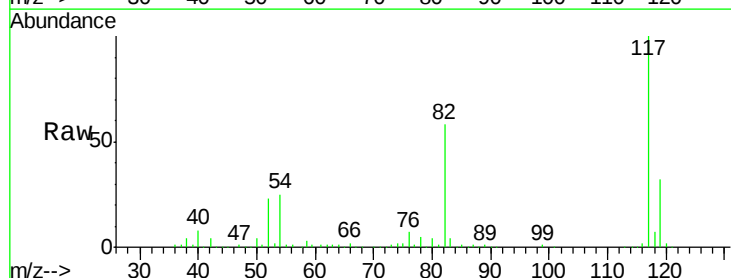
Tgt Ion: 117 Resp: 578485

Ion Ratio Lower Upper

117 100

82 58.3 47.4 71.0

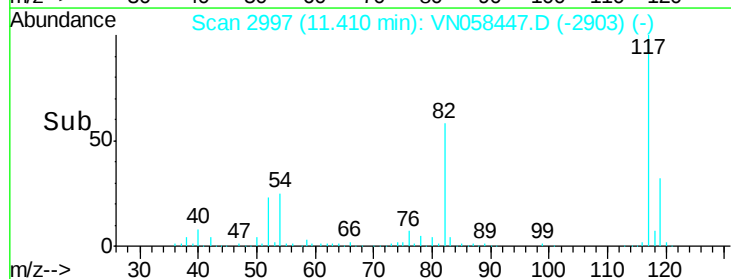
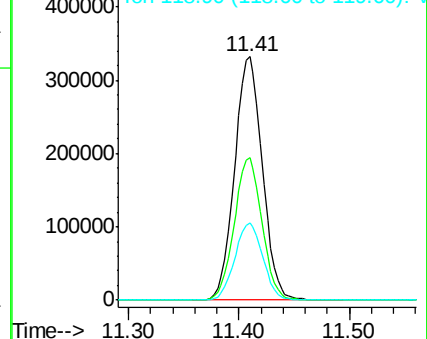
119 31.7 25.5 38.3

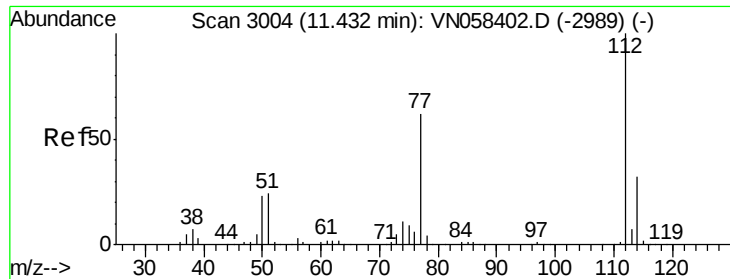


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)

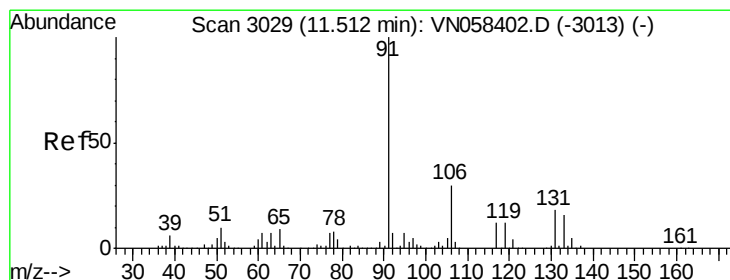
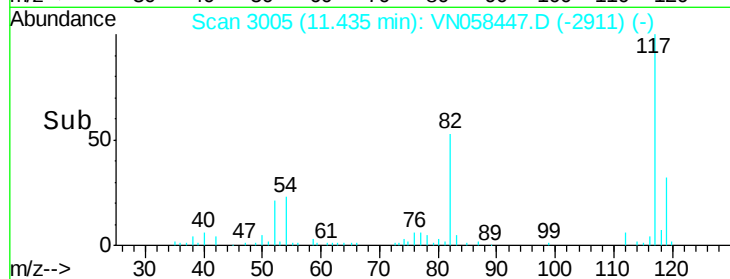
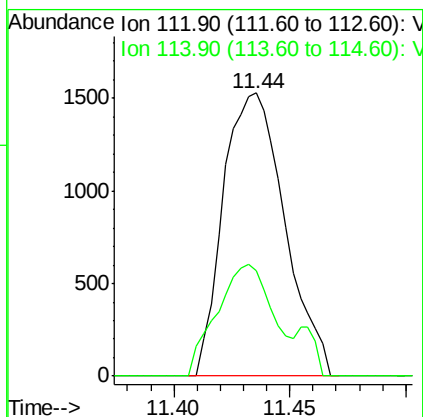
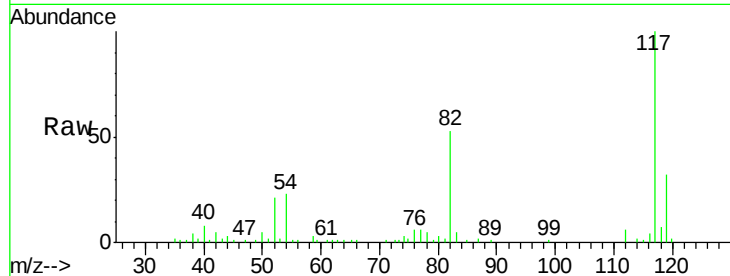




#65
Chlorobenzene
Concen: 0.245 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

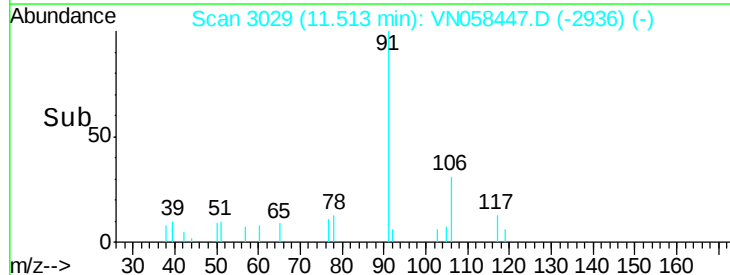
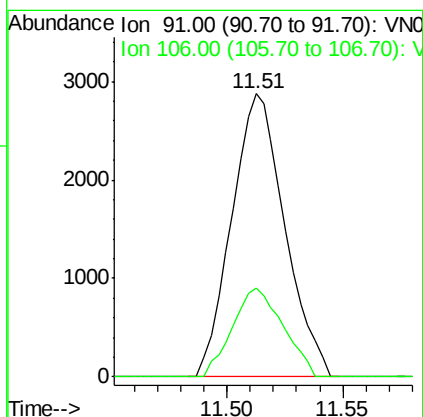
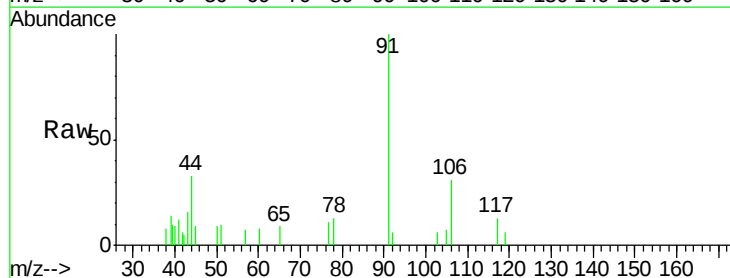
Instrument :
MSVOA_N
ClientSampled :

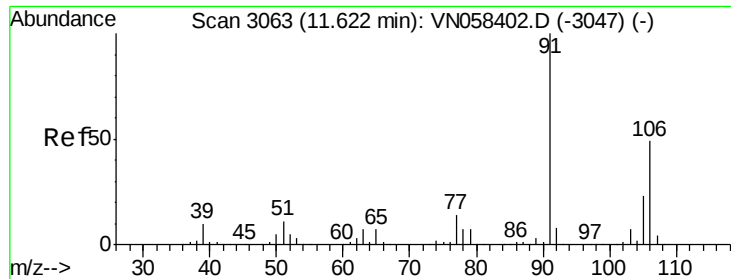
Tot Ion:112 Resp: 2817
Ion Ratio Lower Upper
112 100
114 37.4 25.4 38.2



#67
Ethyl Benzene
Concen: 0.219 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

Tgt Ion: 91 Resp: 4558
Ion Ratio Lower Upper
91 100
106 31.5 24.3 36.5

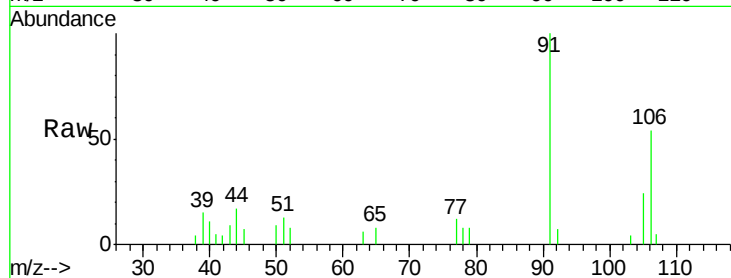




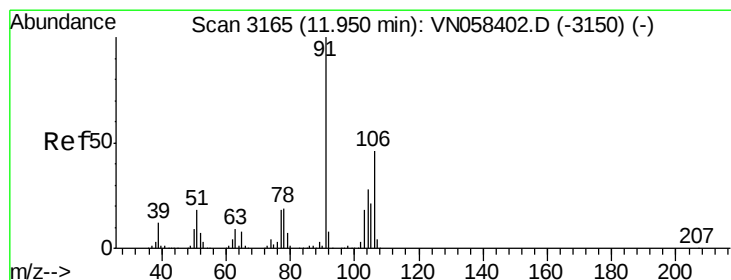
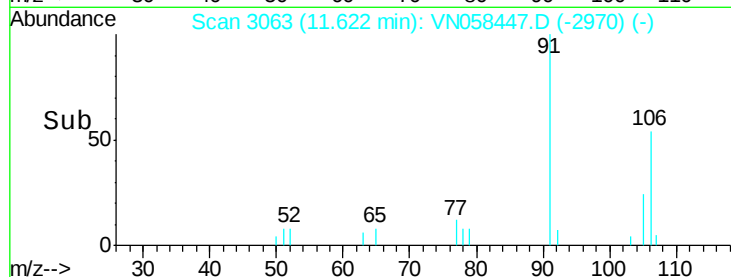
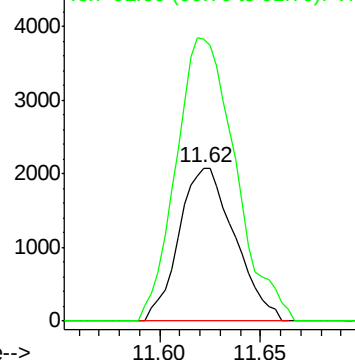
#68
m/p-Xylenes
Concen: 0.511 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 4007
Ion Ratio Lower Upper
106 100
91 197.5 165.0 247.4

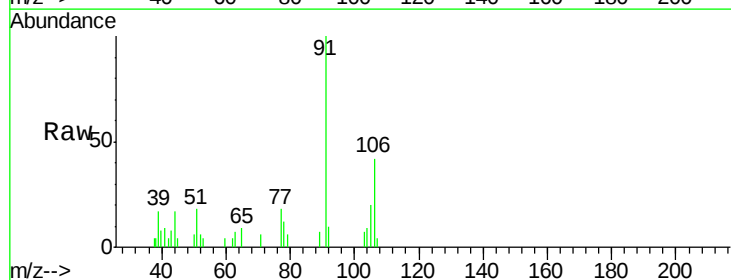


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

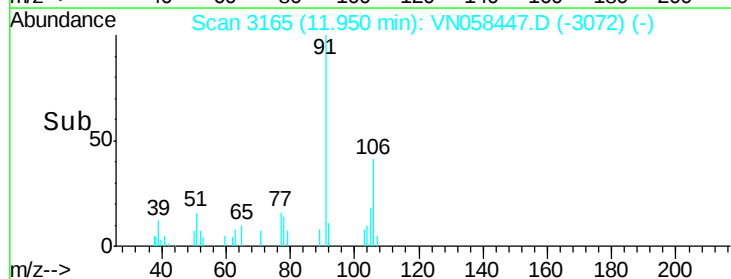
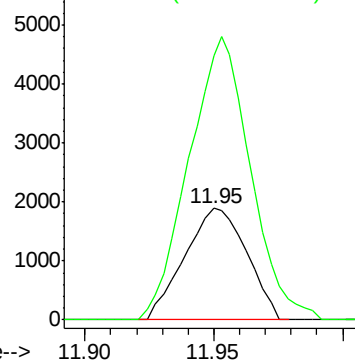


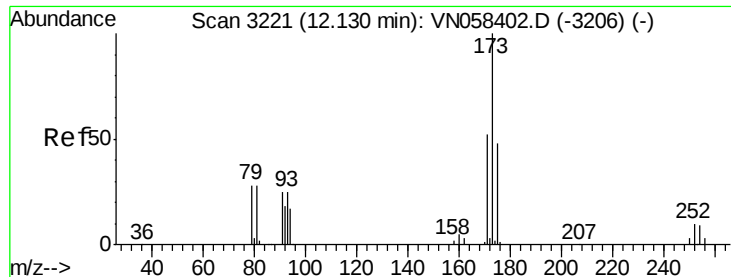
#69
o-Xylene
Concen: 0.422 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058447.D
Acq: 30 Sep 2019 19:36

Tgt Ion:106 Resp: 3184
Ion Ratio Lower Upper
106 100
91 251.0 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#71

Bromoform

Concen: 0.735 ug/l

RT: 12.13 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

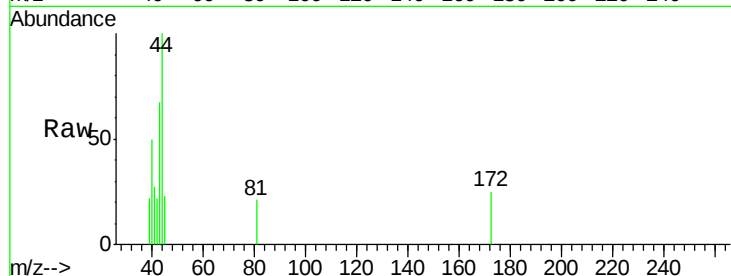
Tot Ion:173 Resp: 108

Ion Ratio Lower Upper

173 100

175 0.0 24.3 73.0#

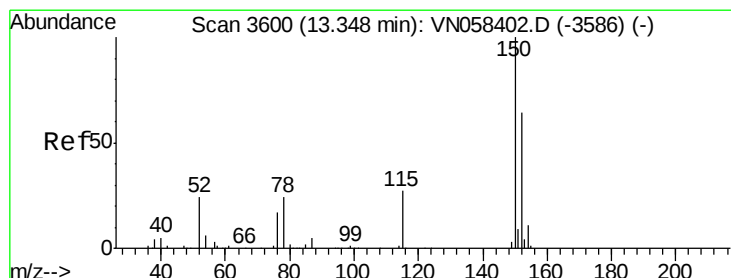
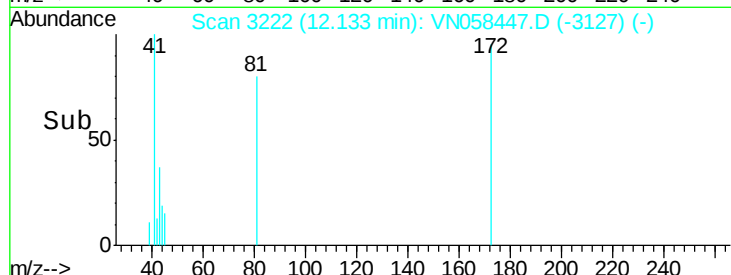
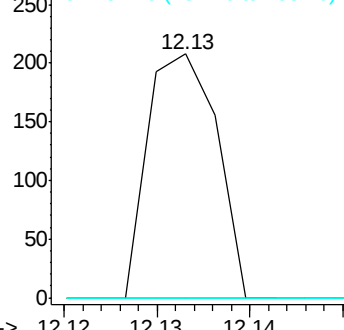
254 0.0 0.1 0.1#



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# 3601

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

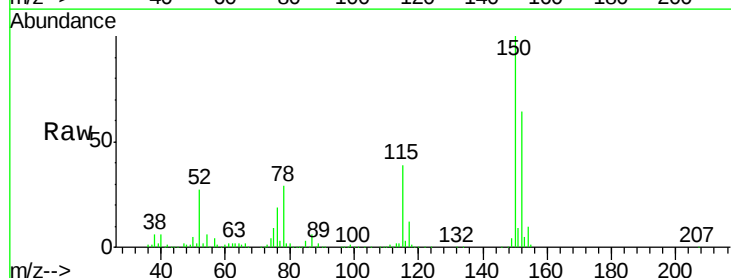
Tgt Ion:152 Resp: 230253

Ion Ratio Lower Upper

152 100

115 61.1 30.0 90.0

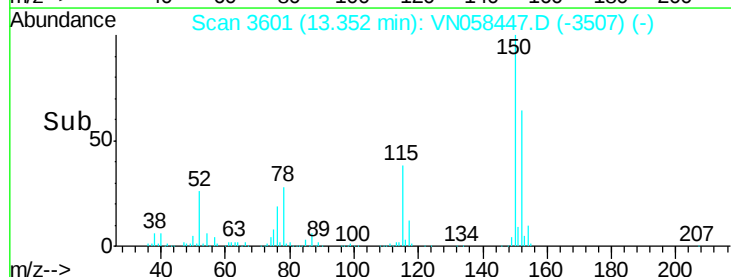
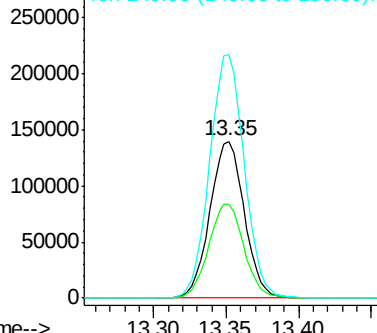
150 156.8 0.0 348.2

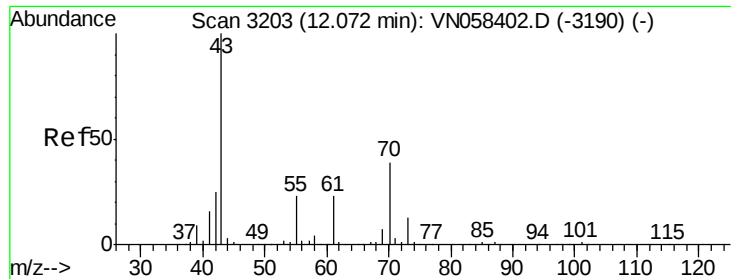


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.518 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3509

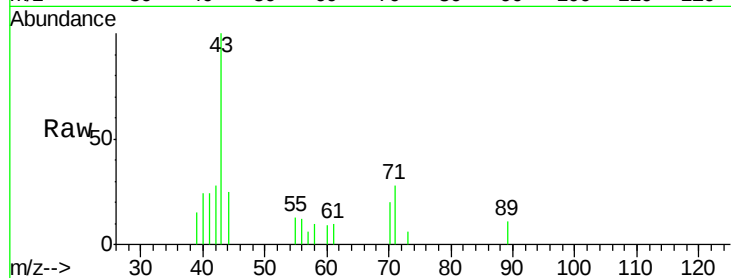
Ion Ratio Lower Upper

43 100

70 29.4 31.4 47.2#

55 21.4 18.2 27.4

61 13.3 18.3 27.5#

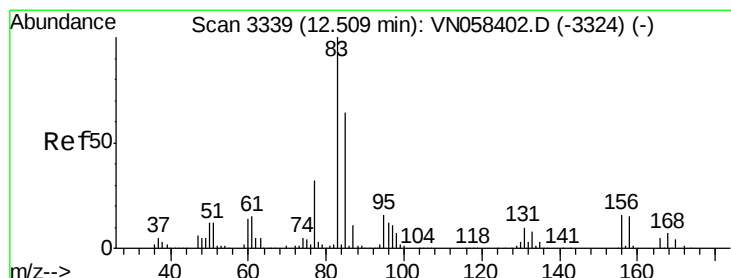
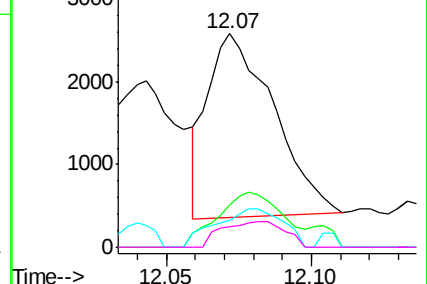
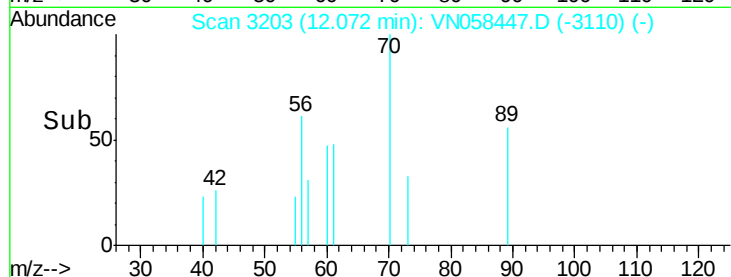


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 0.206 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

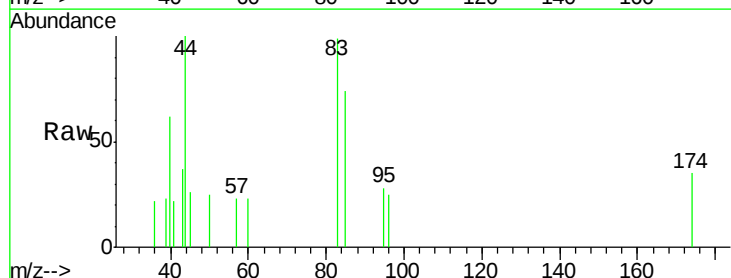
Tgt Ion: 83 Resp: 1035

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

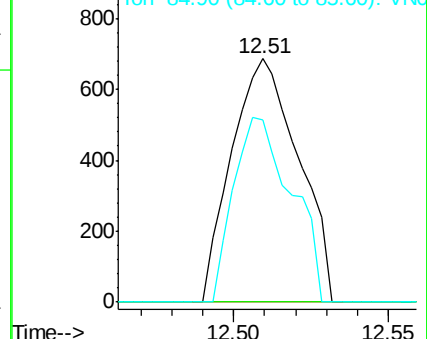
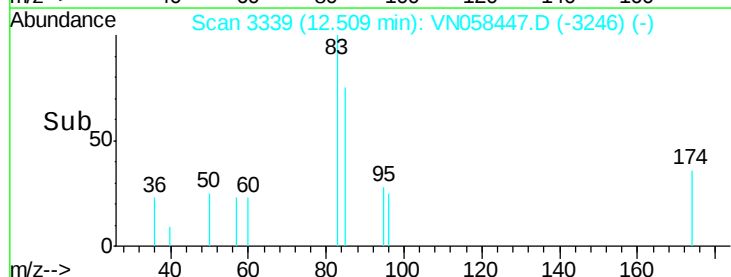
85 66.1 32.0 96.0

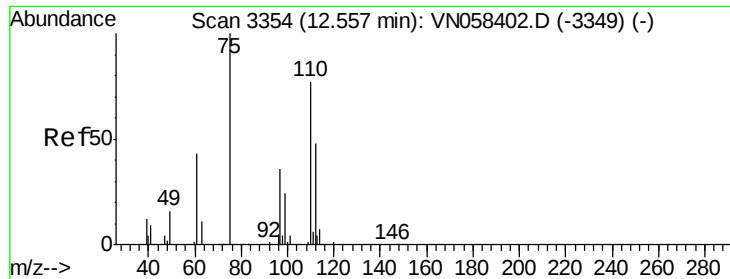


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 35.481 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

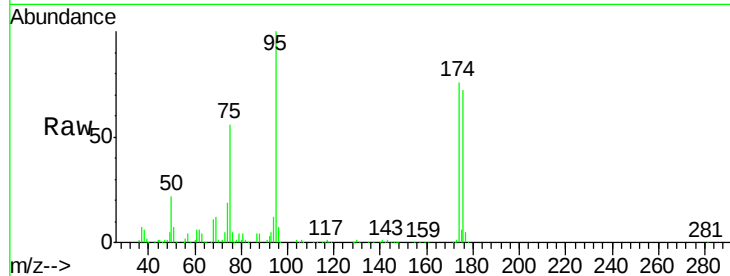
ClientSampleId :

Tot Ion: 75 Resp: 149220

Ion Ratio Lower Upper

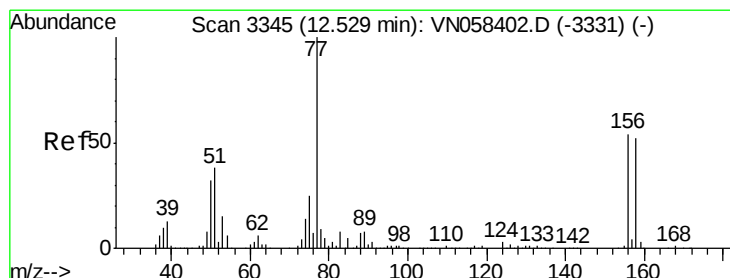
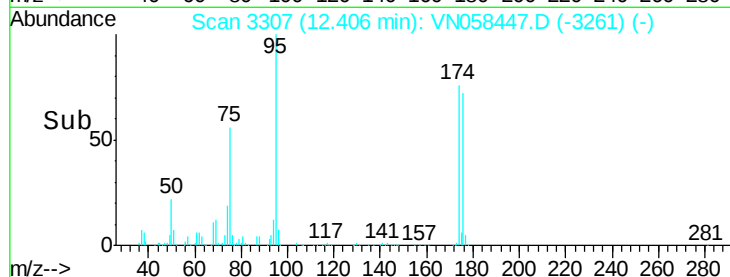
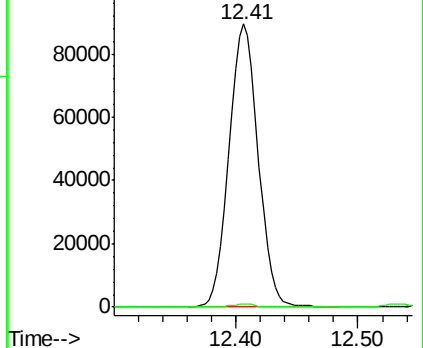
75 100

77 0.9 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: 0.227 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

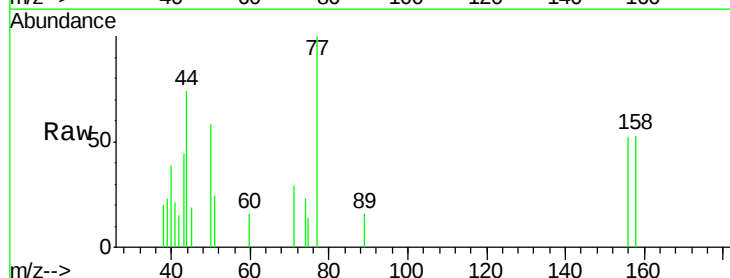
Tgt Ion: 156 Resp: 905

Ion Ratio Lower Upper

156 100

77 196.1 110.0 330.0

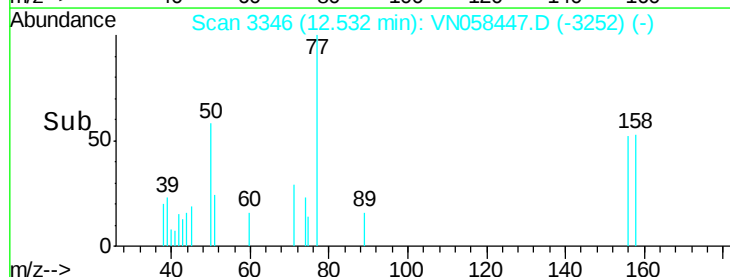
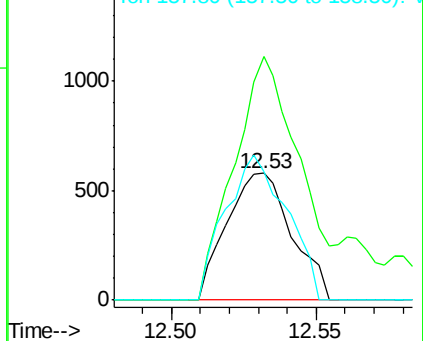
158 108.3 47.9 143.8

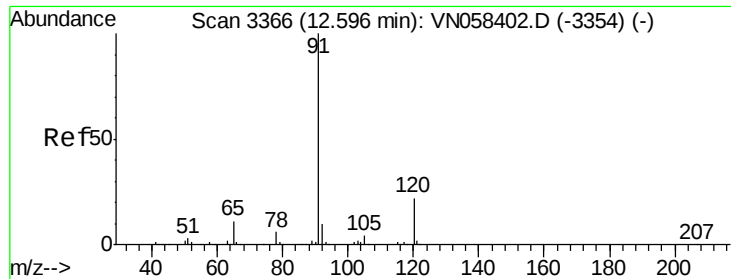


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 0.376 ug/l

RT: 12.60 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

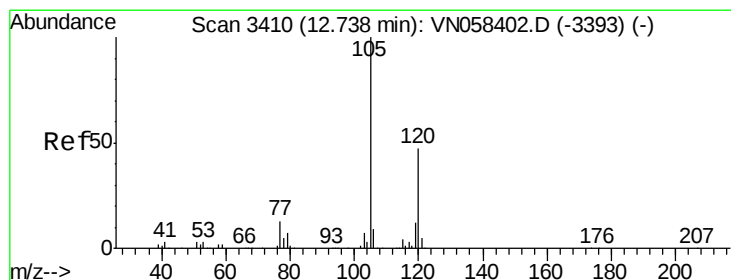
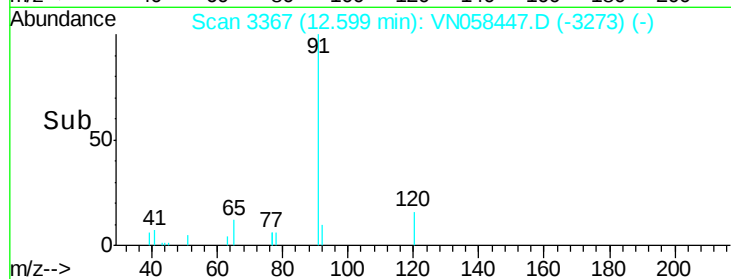
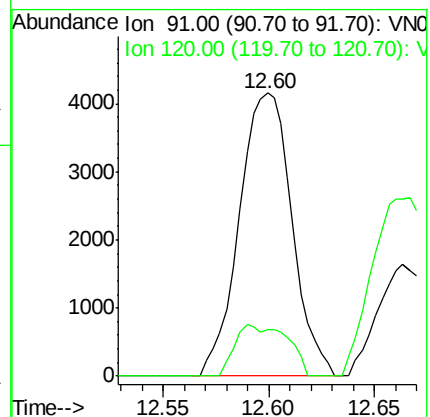
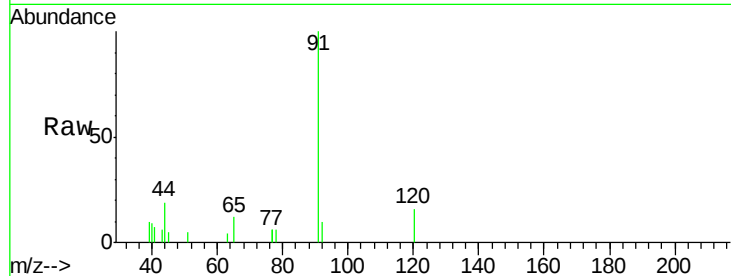
ClientSampleId :

Tot Ion: 91 Resp: 7201

Ion Ratio Lower Upper

91 100

120 18.0 10.9 32.9



#80

1,3,5-Trimethylbenzene

Concen: 1.215 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058447.D

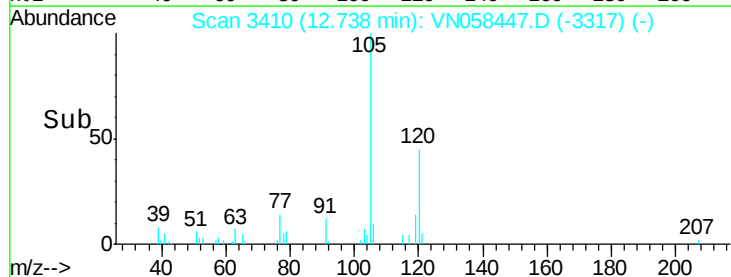
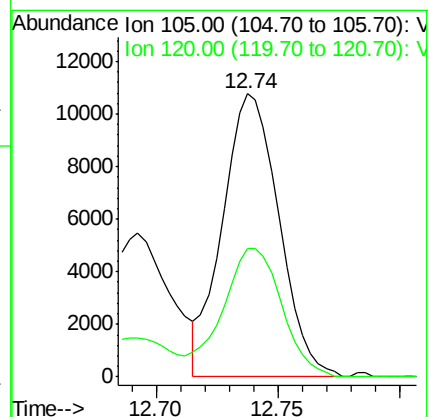
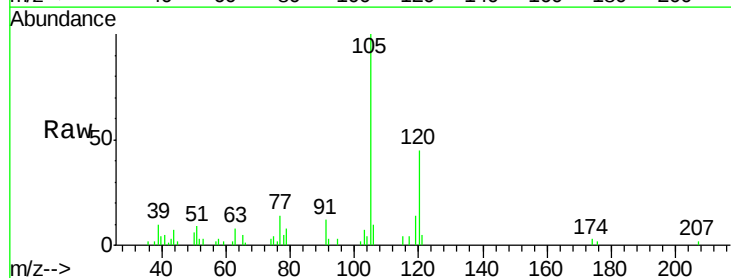
Acq: 30 Sep 2019 19:36

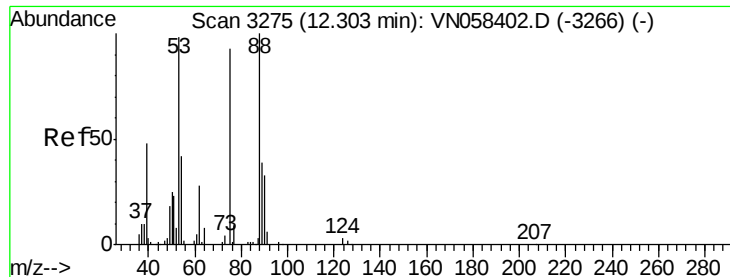
Tgt Ion: 105 Resp: 17308

Ion Ratio Lower Upper

105 100

120 47.7 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 107.761 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

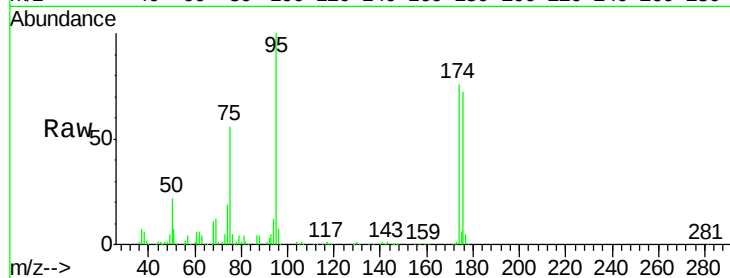
Tot Ion: 75 Resp: 149220

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

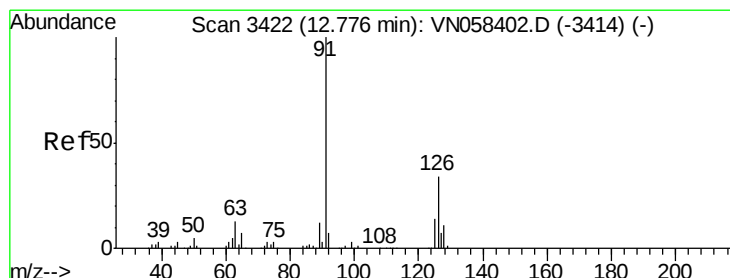
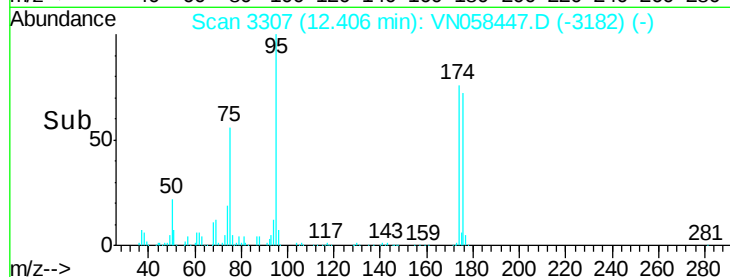
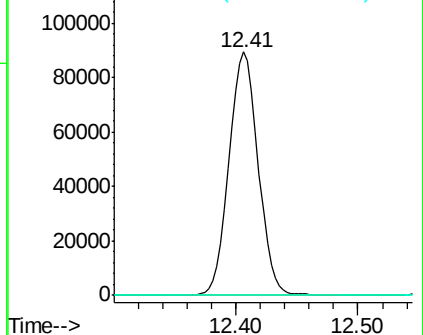
89 0.0 35.0 52.4#



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: 0.340 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058447.D

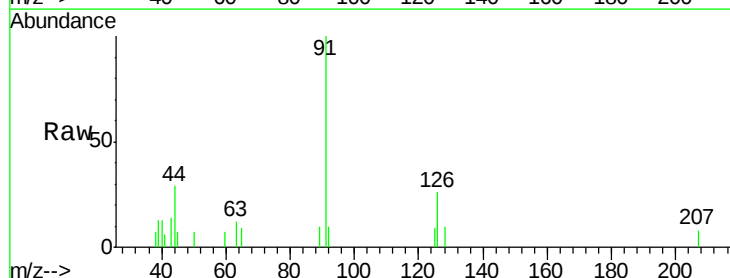
Acq: 30 Sep 2019 19:36

Tgt Ion: 91 Resp: 4102

Ion Ratio Lower Upper

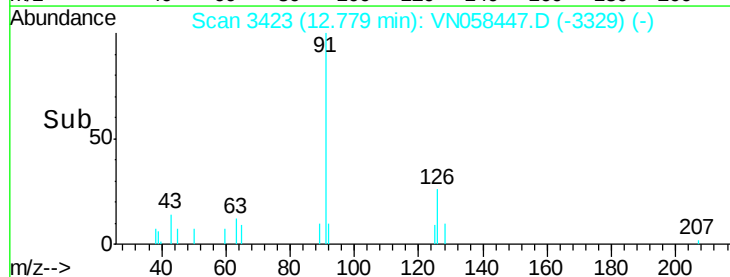
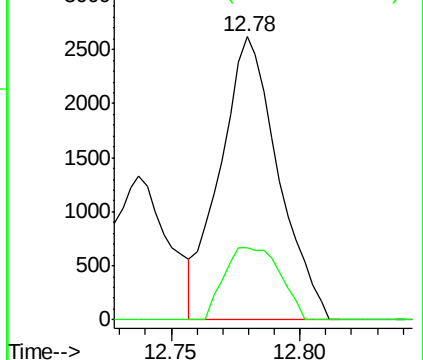
91 100

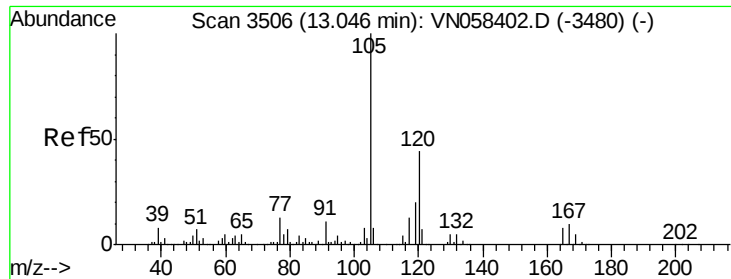
126 24.6 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

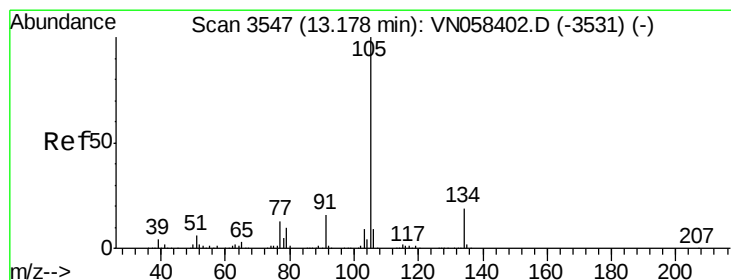
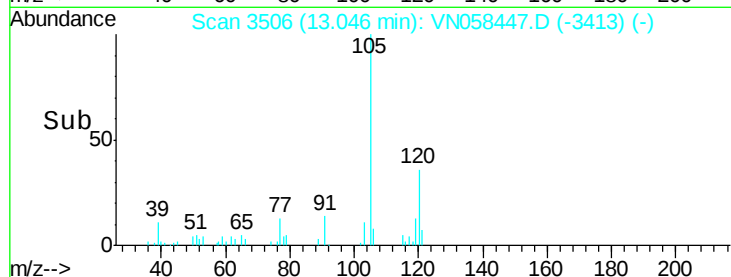
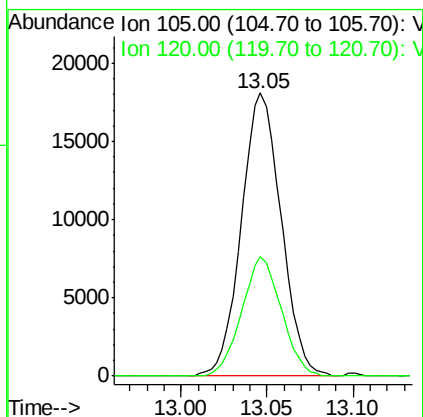
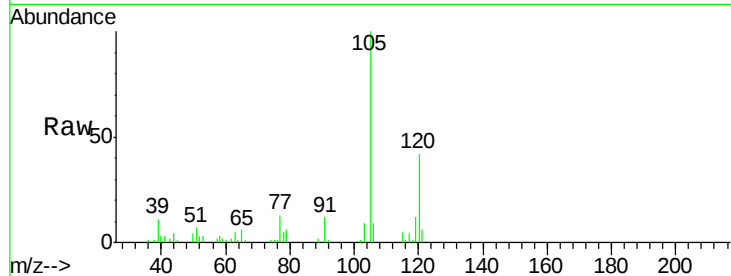




#84
 1,2,4-Trimethylbenzene
 Concen: 2.034 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058447.D
 Acq: 30 Sep 2019 19:36

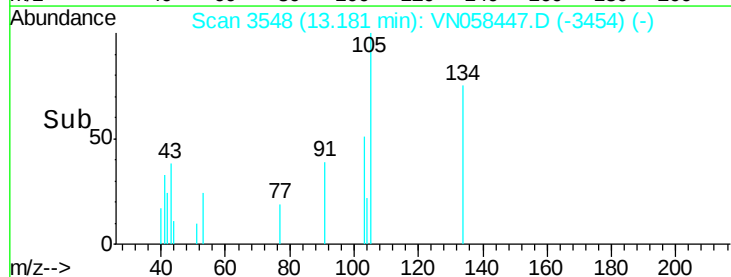
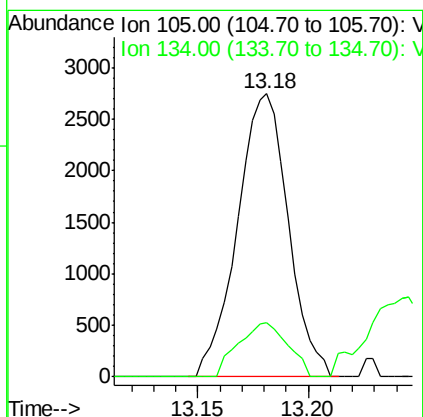
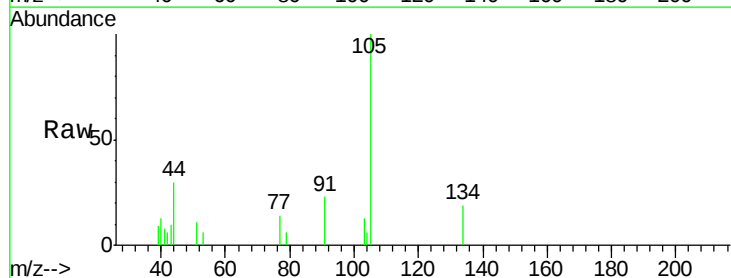
Instrument :
 MSVOA_N
 ClientSampled :

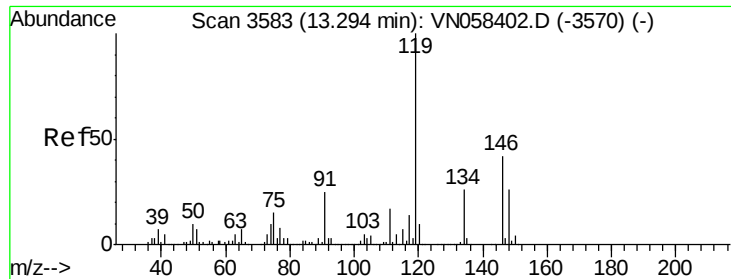
Tot Ion:105 Resp: 29029
 Ion Ratio Lower Upper
 105 100
 120 41.8 21.7 65.1



#85
 sec-Butylbenzene
 Concen: 0.279 ug/l
 RT: 13.18 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN058447.D
 Acq: 30 Sep 2019 19:36

Tgt Ion:105 Resp: 4406
 Ion Ratio Lower Upper
 105 100
 134 18.5 9.4 28.2

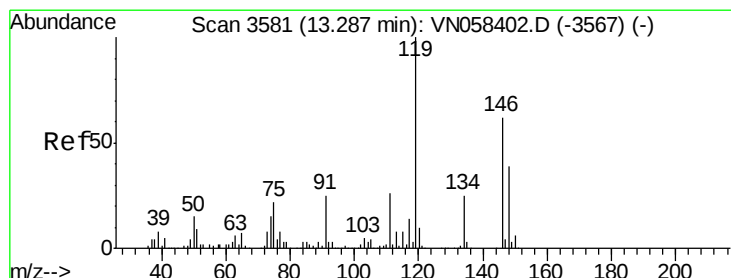
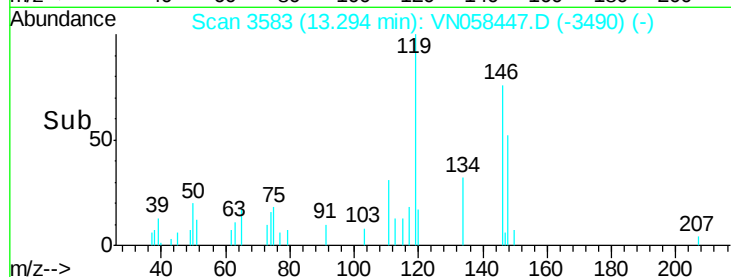
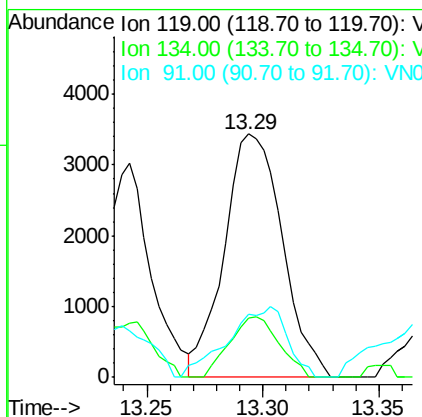
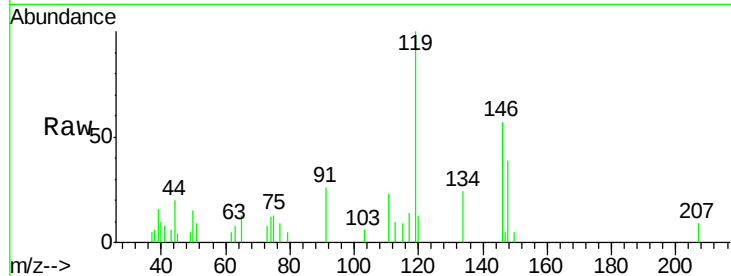




#86
 p-Isopropyltoluene
 Concen: 0.428 ug/l
 RT: 13.29 min Scan# 3583
 Delta R.T. 0.00 min
 Lab File: VN058447.D
 Acq: 30 Sep 2019 19:36

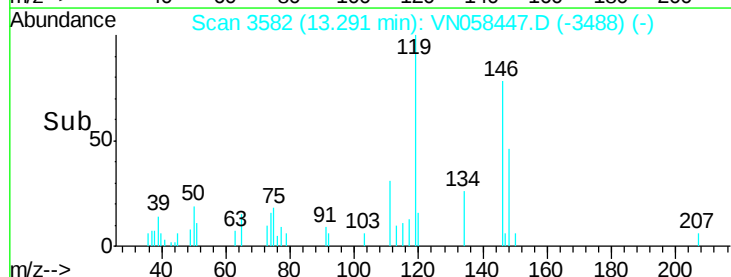
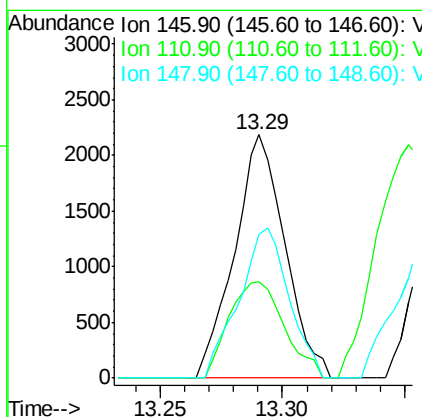
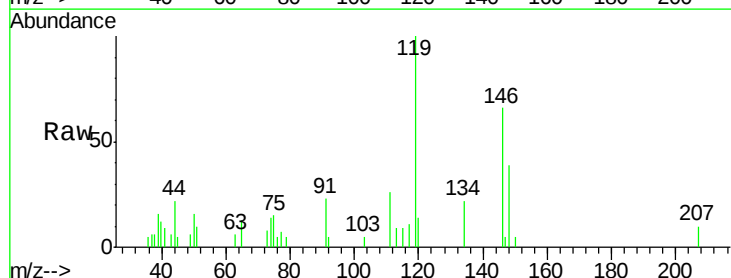
Instrument :
 MSVOA_N
 ClientSampleId :

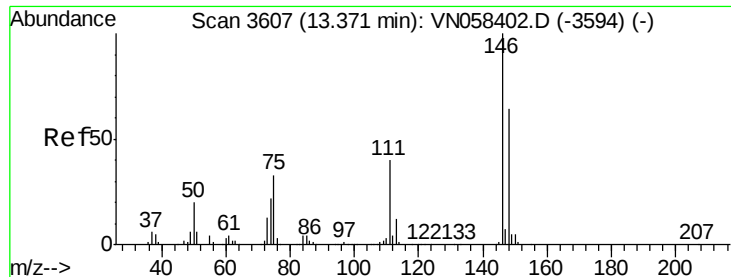
Tot Ion:119 Resp: 5966
 Ion Ratio Lower Upper
 119 100
 134 21.3 13.0 39.0
 91 29.4 12.4 37.0



#87
 1,3-Dichlorobenzene
 Concen: 0.433 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058447.D
 Acq: 30 Sep 2019 19:36

Tgt Ion:146 Resp: 3134
 Ion Ratio Lower Upper
 146 100
 111 43.4 20.8 62.4
 148 61.3 31.4 94.3

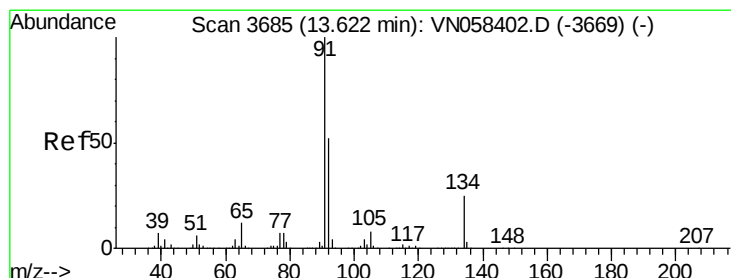
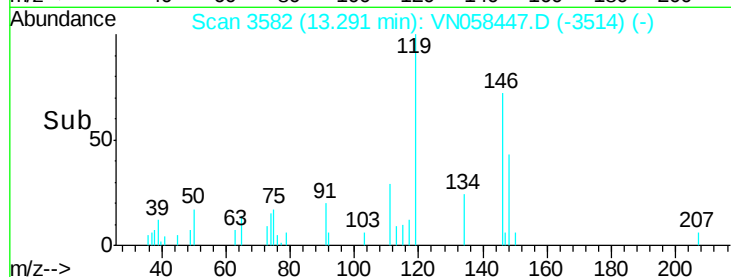
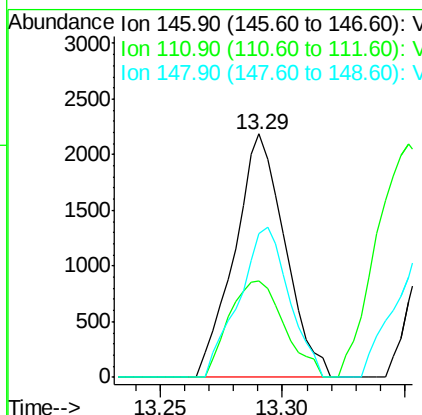
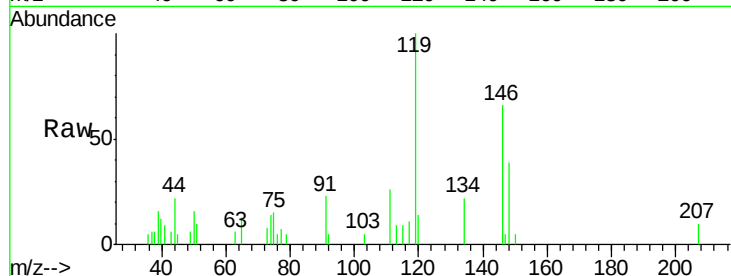




#88
 1,4-Dichlorobenzene
 Concen: 0.435 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.08 min
 Lab File: VN058447.D
 Acq: 30 Sep 2019 19:36

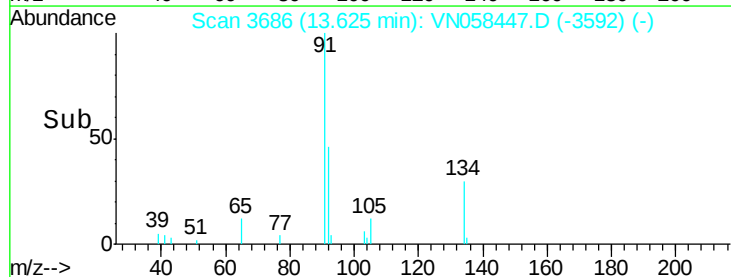
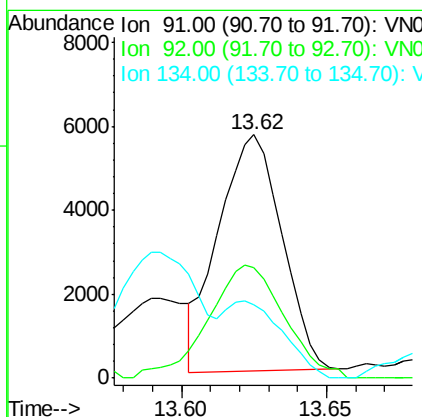
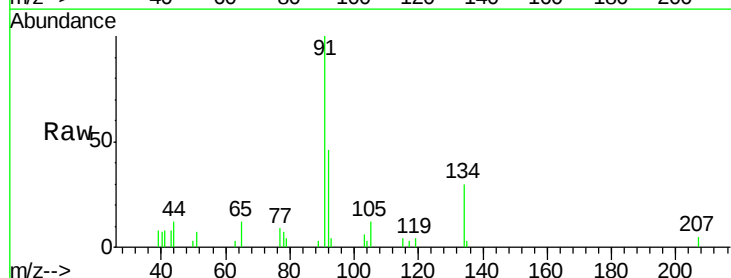
Instrument :
 MSVOA_N
 ClientSampleId :

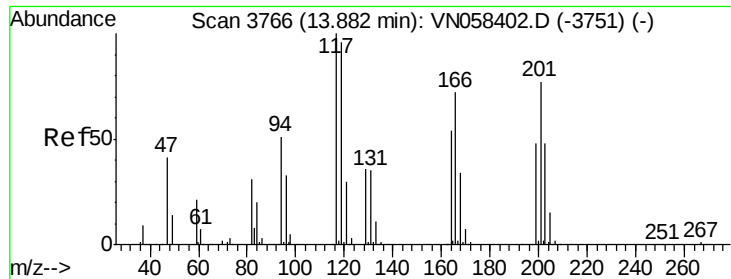
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	20.5	61.6
148	61.3	31.5	94.5



#89
 n-Butylbenzene
 Concen: 0.680 ug/l
 RT: 13.62 min Scan# 3686
 Delta R.T. 0.00 min
 Lab File: VN058447.D
 Acq: 30 Sep 2019 19:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	25.7	77.1
134	29.2	12.2	36.6





#90

Hexachloroethane

Concen: 0.960 ug/l

RT: 13.90 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

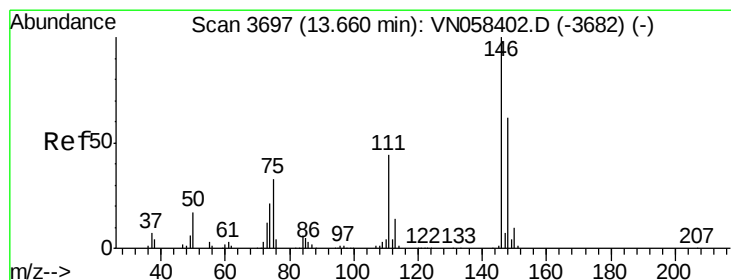
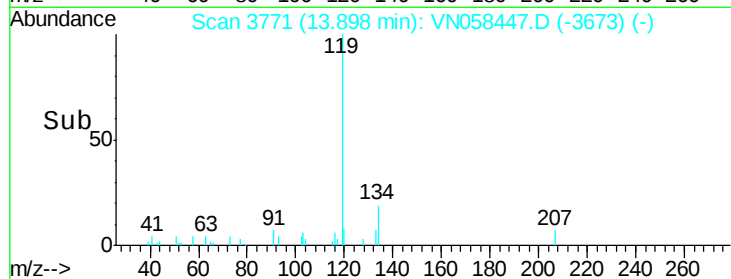
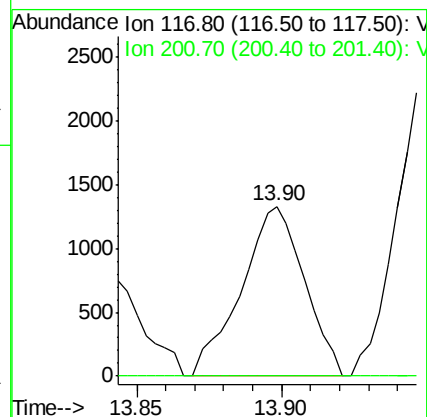
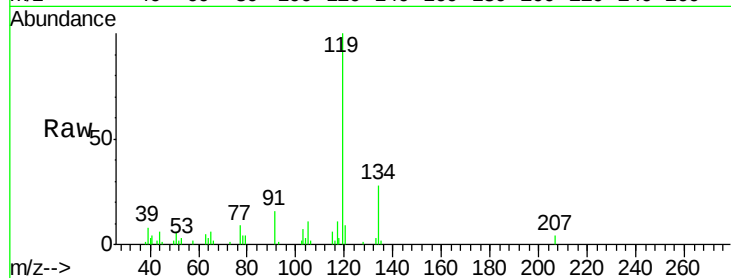
ClientSampleId :

Tot Ion:117 Resp: 2009

Ion Ratio Lower Upper

117 100

201 0.0 38.6 116.0#



#91

1,2-Dichlorobenzene

Concen: 0.479 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

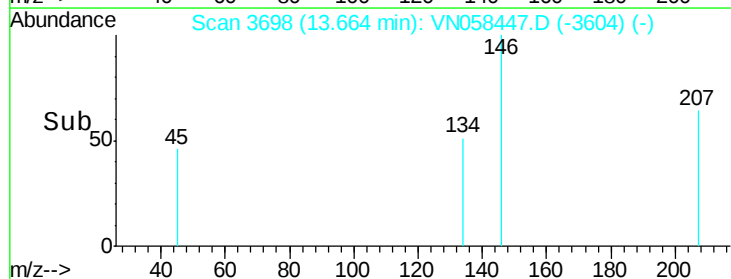
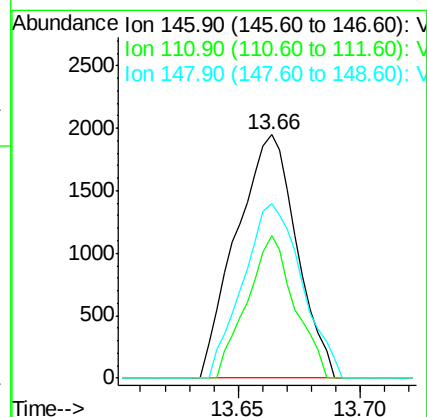
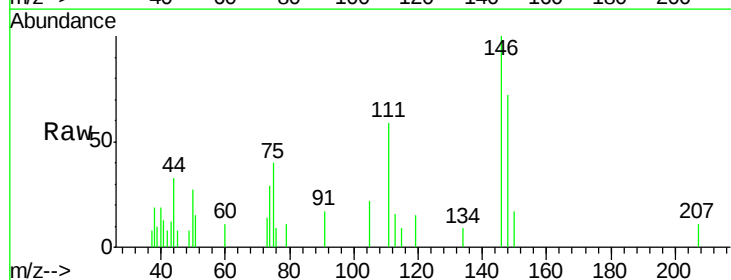
Tgt Ion:146 Resp: 3329

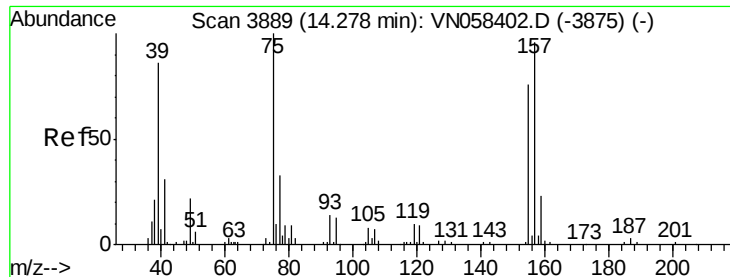
Ion Ratio Lower Upper

146 100

111 46.1 21.8 65.3

148 70.3 31.5 94.5





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.017 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

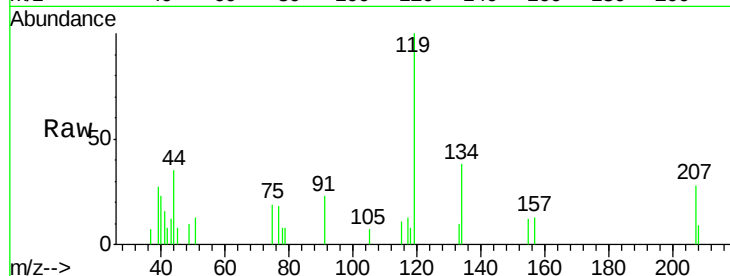
Tot Ion: 75 Resp: 902

Ion Ratio Lower Upper

75 100

155 43.1 39.2 117.6

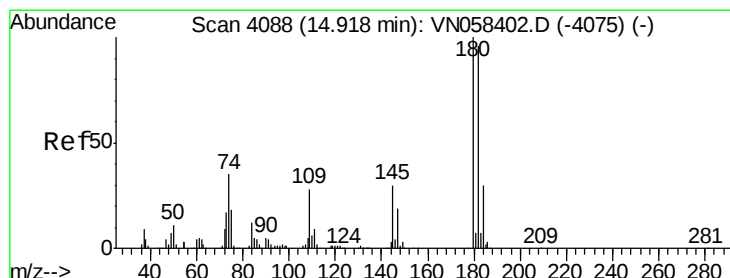
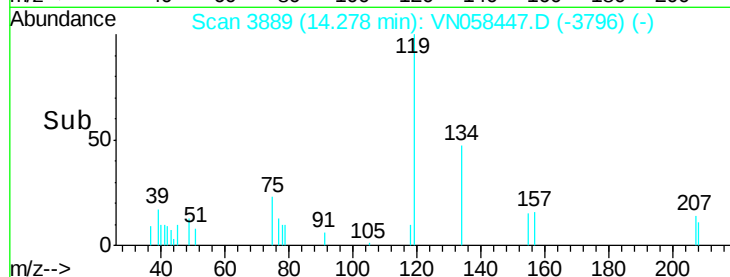
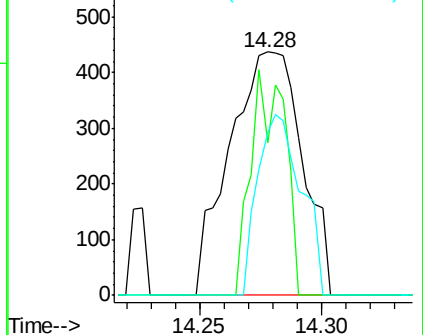
157 44.6 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): VN058447.D (-3796) (-)

Ion 154.80 (154.50 to 155.50): VN058447.D (-3796) (-)

Ion 156.80 (156.50 to 157.50): VN058447.D (-3796) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.166 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

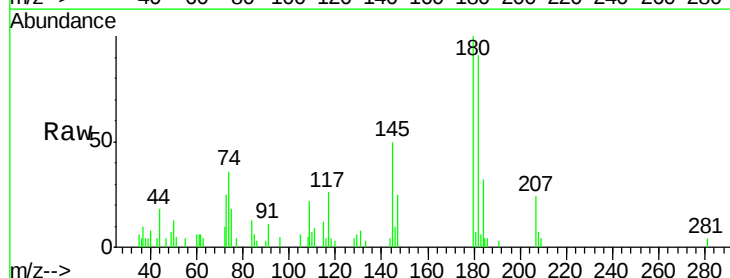
Tgt Ion: 180 Resp: 8322

Ion Ratio Lower Upper

180 100

182 90.0 47.4 142.3

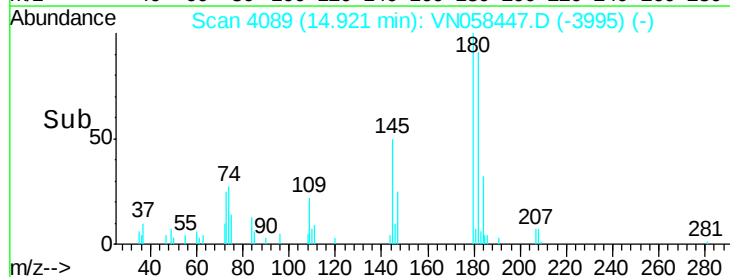
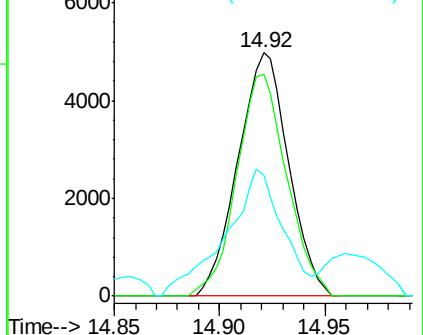
145 58.9 15.3 45.9#

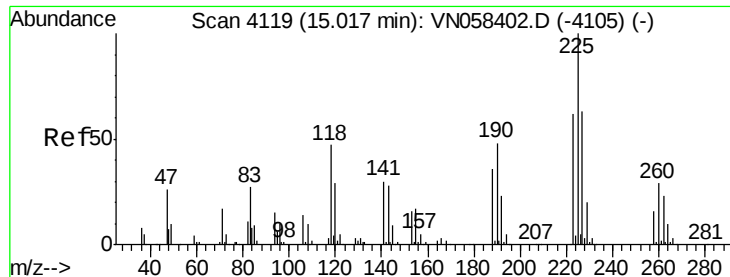


Abundance Ion 179.80 (179.50 to 180.50): VN058447.D (-3995) (-)

Ion 181.80 (181.50 to 182.50): VN058447.D (-3995) (-)

Ion 144.80 (144.50 to 145.50): VN058447.D (-3995) (-)





#94

Hexachlorobutadiene

Concen: 0.665 ug/l

RT: 15.02 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

Instrument :

MSVOA_N

ClientSampled :

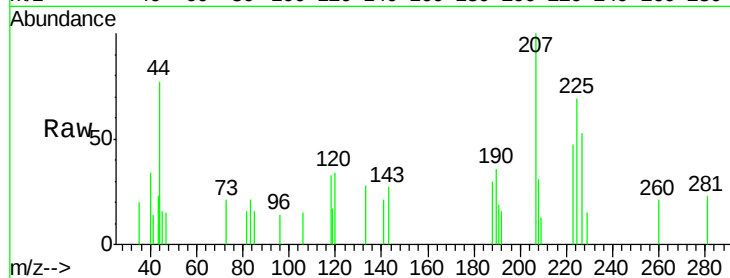
Tot Ion:225 Resp: 1312

Ion Ratio Lower Upper

225 100

223 68.7 31.1 93.5

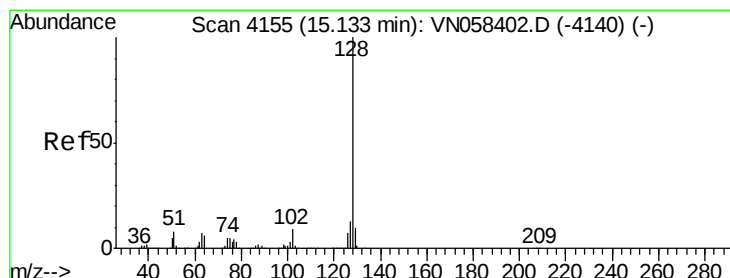
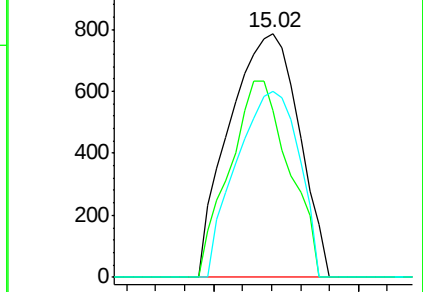
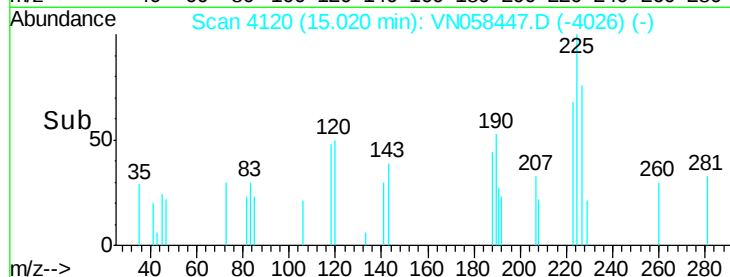
227 68.5 31.4 94.2



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 4.229 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058447.D

Acq: 30 Sep 2019 19:36

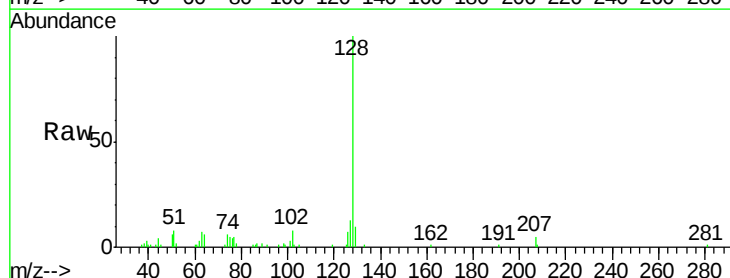
Tgt Ion:128 Resp: 47876

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.4

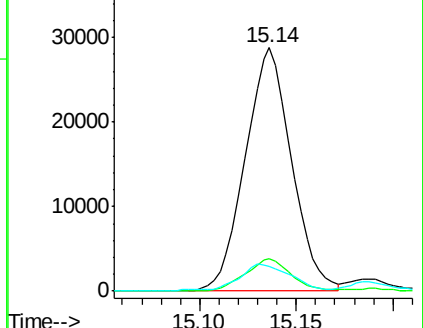
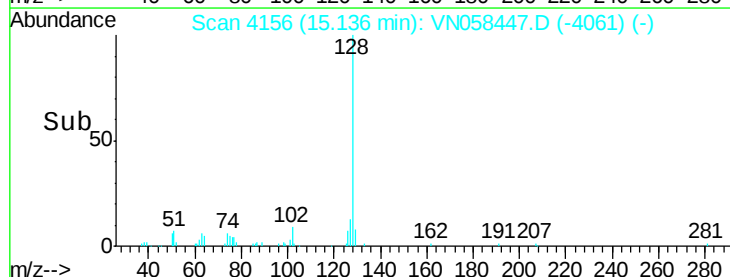
129 12.2 8.3 12.5

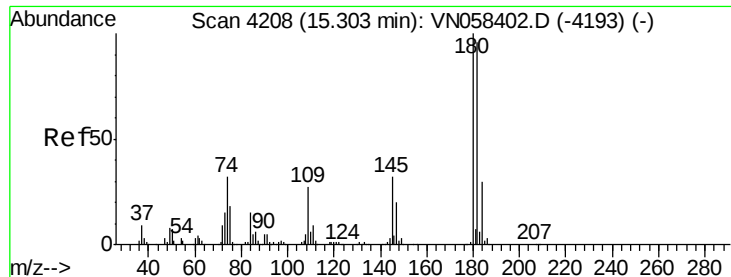


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

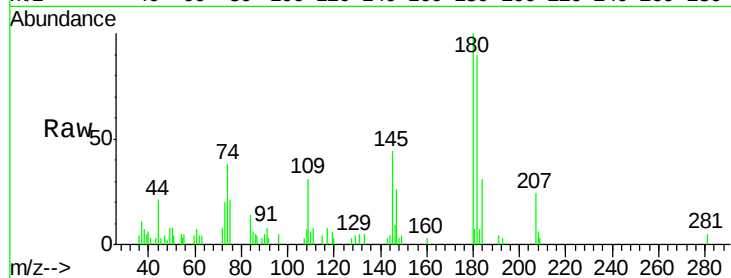




#96
 1,2,3-Trichlorobenzene
 Concen: 2.525 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058447.D
 Acq: 30 Sep 2019 19:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.2	48.3	144.9
145	63.0	16.1	48.3#



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

