

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031819\
 Data File : VN054416.D
 Acq On : 19 Mar 2019 2:18
 Operator : JC/SP
 Sample : K1691-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-031519-B

Quant Time: Mar 19 05:19:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 13 03:33:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1849203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2627756	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2232938	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	816069	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	881722	44.90	ug/l	0.00
Spiked Amount			Recovery	=	89.80%	
35) Dibromofluoromethane	7.59	113	800318	47.22	ug/l	0.00
Spiked Amount			Recovery	=	94.44%	
50) Toluene-d8	10.09	98	3062380	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	
62) 4-Bromofluorobenzene	12.40	95	911895	41.64	ug/l	0.00
Spiked Amount			Recovery	=	83.28%	

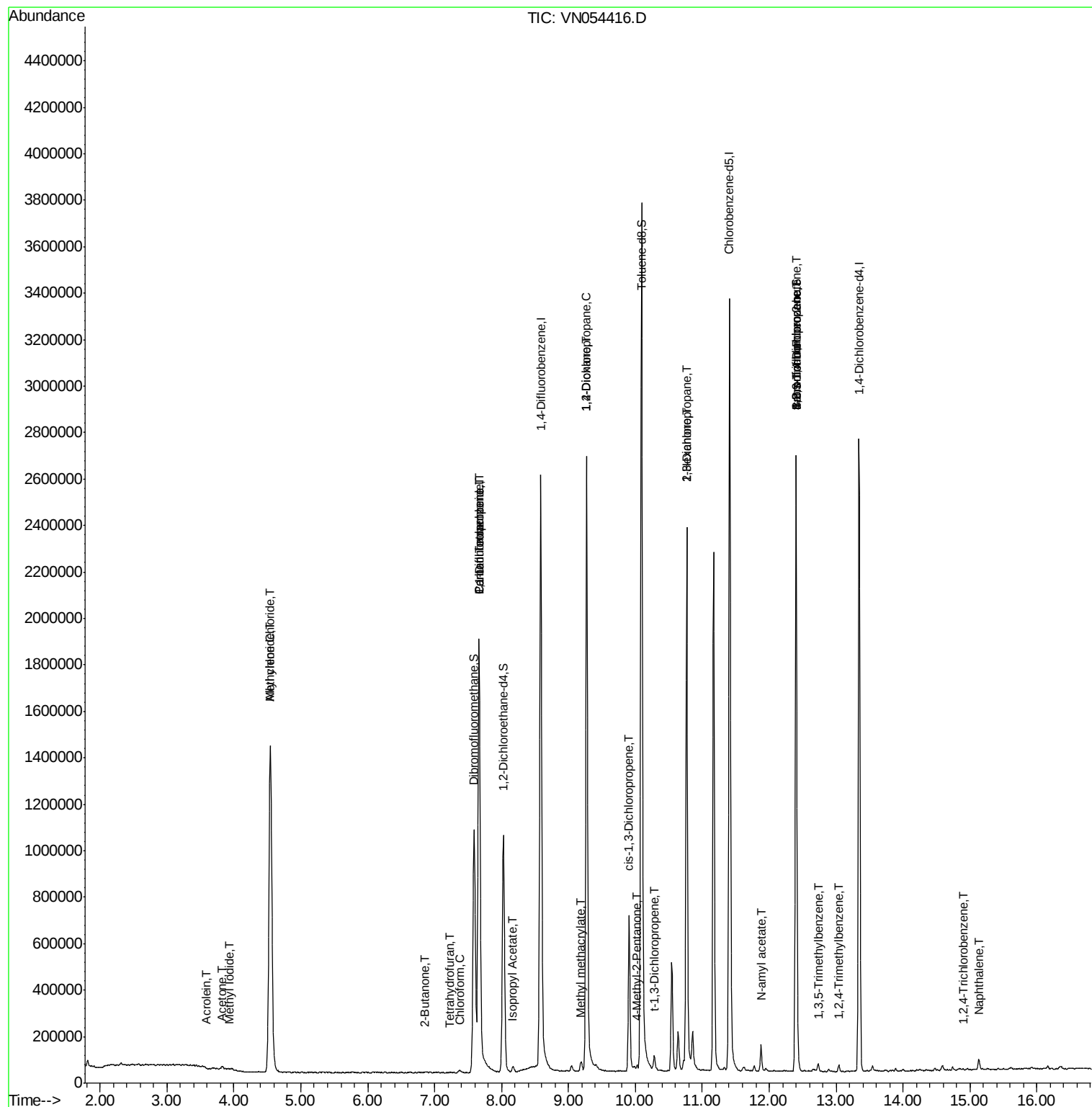
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.93	142	64	1.499	ug/l #	45
13) Acrolein	3.60	56	368	0.288	ug/l #	37
14) Allyl chloride	4.54	41	32537	1.320	ug/l #	22
16) Acetone	3.82	43	17927	3.188	ug/l	93
20) Methylene Chloride	4.55	84	1152211	62.406	ug/l	99
25) 2-Butanone	6.86	43	2626	0.398	ug/l	95
29) Tetrahydrofuran	7.23	42	2466	0.581	ug/l #	60
30) Chloroform	7.37	83	12054	0.366	ug/l	93
31) Cyclohexane	7.67	56	25527	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	105866	4.375	ug/l #	49
38) Carbon Tetrachloride	7.66	117	149704	5.899	ug/l #	17
43) Isopropyl Acetate	8.17	43	29270	1.199	ug/l	98
45) 1,2-Dichloropropane	9.27	63	3623	0.211	ug/l #	43
48) Methyl methacrylate	9.18	41	14505	1.171	ug/l #	11
49) 1,4-Dioxane	9.27	88	196	1.119	ug/l #	1
51) 4-Methyl-2-Pentanone	10.03	43	14645	1.134	ug/l #	36
53) t-1,3-Dichloropropene	10.28	75	205	1.993	ug/l #	42
54) cis-1,3-Dichloropropene	9.90	75	132570	4.884	ug/l #	62
57) 1,3-Dichloropropane	10.76	76	26086	0.995	ug/l #	43
59) 2-Hexanone	10.77	43	336795	39.188	ug/l #	51
71) Bromoform	12.40	173	5047	2.705	ug/l #	1
74) N-amyl acetate	11.88	43	33169	2.289	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	423687	35.305	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	14221	0.262	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.40	75	423687	120.689	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	18623	0.350	ug/l	95
93) 1,2,4-Trichlorobenzene	14.90	180	171	2.526	ug/l #	1
95) Naphthalene	15.13	128	40236	4.516	ug/l	99

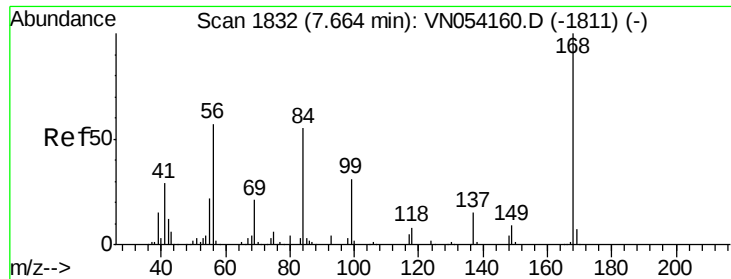
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

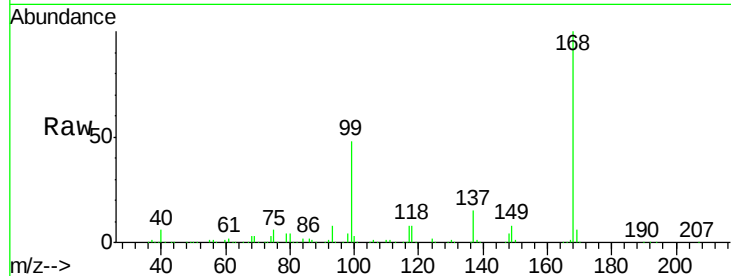
CL-01-031519-B

Tot Ion:168 Resp: 1849203

Ion Ratio Lower Upper

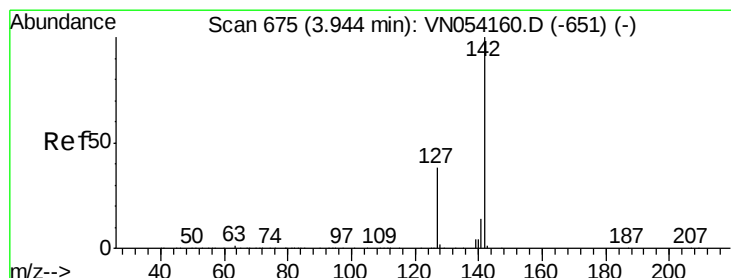
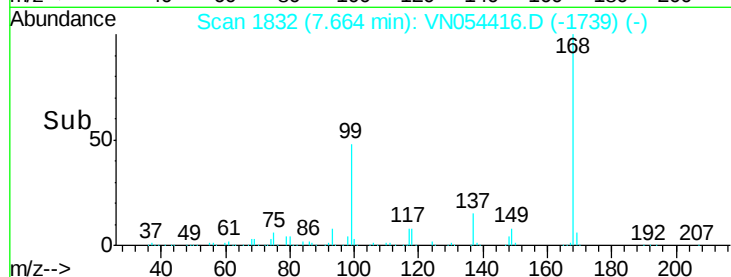
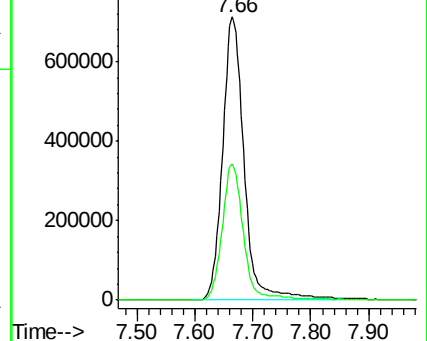
168 100

99 47.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#10

Methyl Iodide

Concen: 1.499 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.01 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

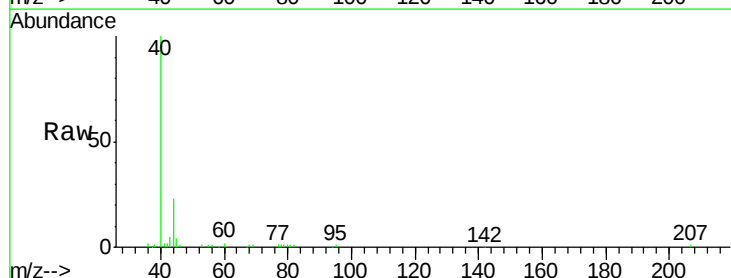
Tgt Ion:142 Resp: 64

Ion Ratio Lower Upper

142 100

127 0.0 30.3 45.5#

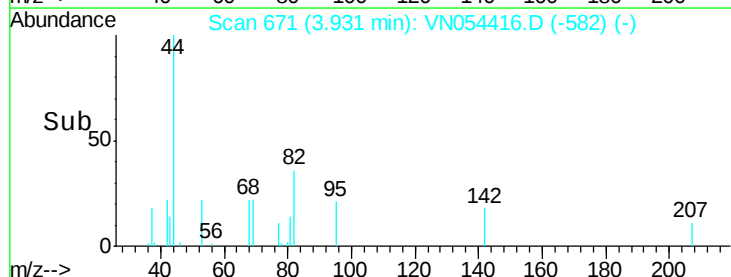
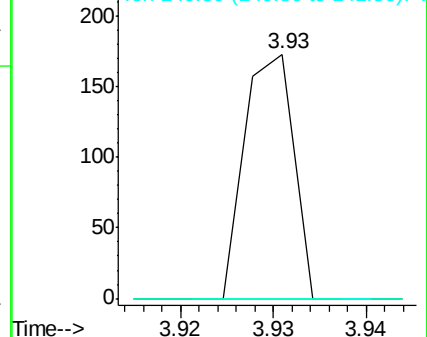
141 0.0 11.2 16.8#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 0.288 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

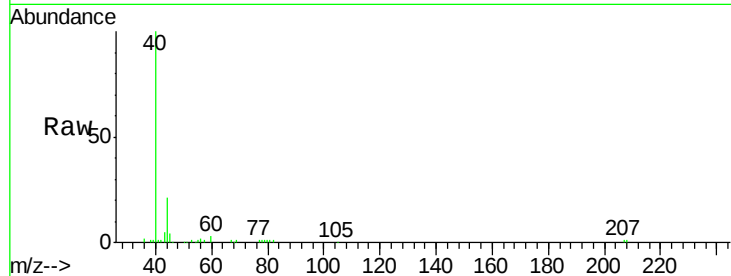
CL-01-031519-B

Tot Ion: 56 Resp: 368

Ion Ratio Lower Upper

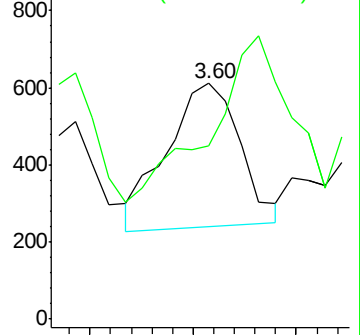
56 100

55 123.1 56.7 85.1#

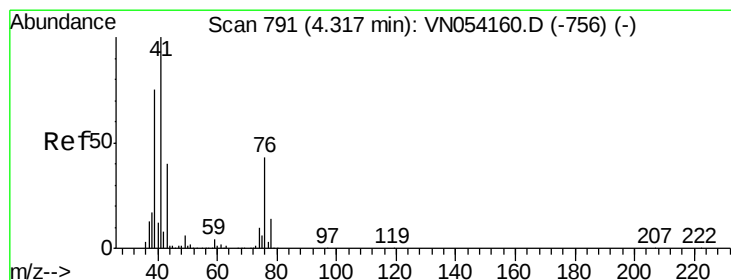
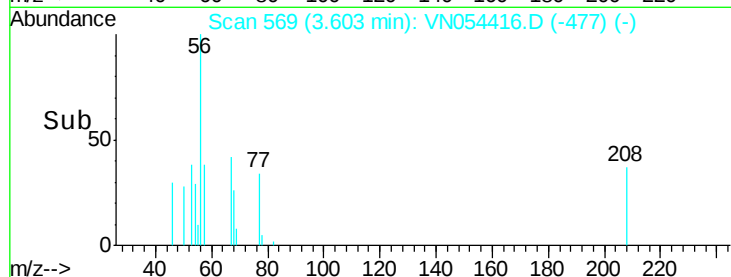


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#14

Allyl chloride

Concen: 1.320 ug/l

RT: 4.54 min Scan# 861

Delta R.T. 0.23 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

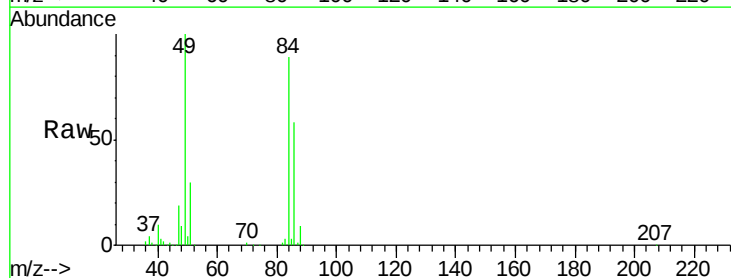
Tgt Ion: 41 Resp: 32537

Ion Ratio Lower Upper

41 100

39 0.9 58.2 87.4#

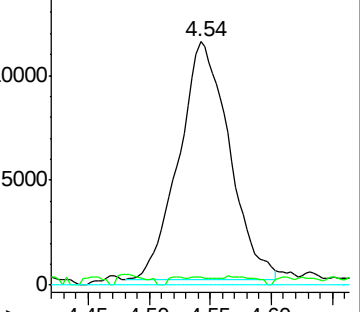
76 0.0 31.7 47.5#



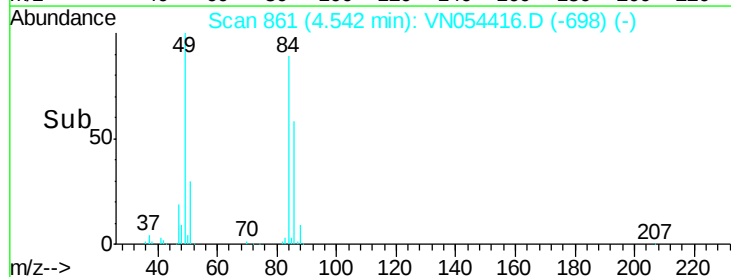
Abundance Ion 41.00 (40.70 to 41.70): VN0

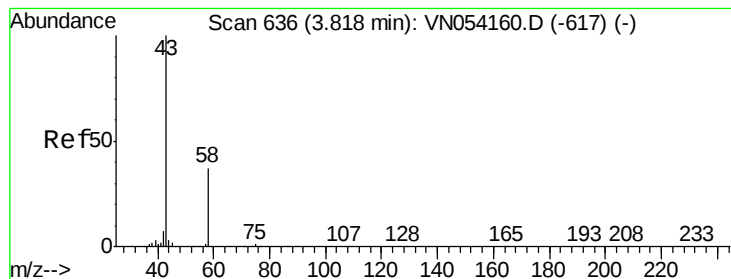
Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0



Time-->





#16

Acetone

Concen: 3.188 ug/l

RT: 3.82 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

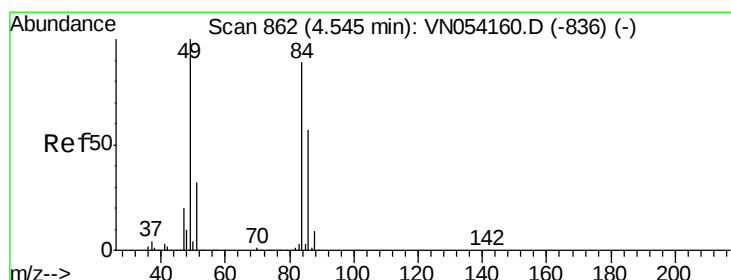
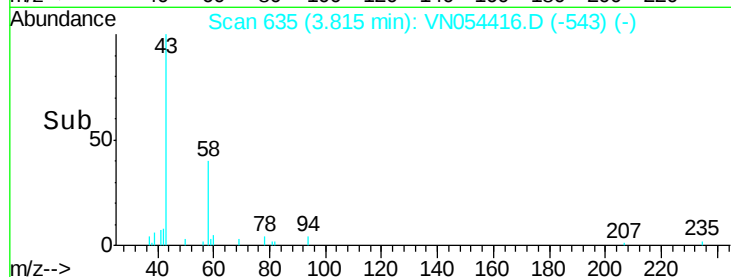
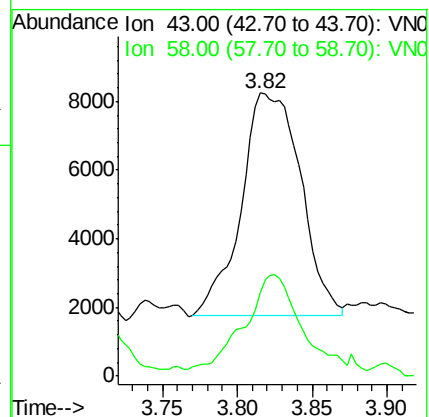
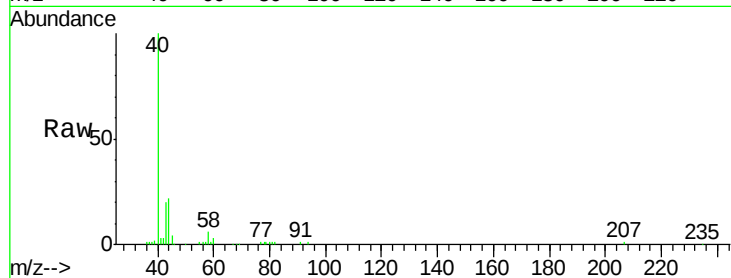
CL-01-031519-B

Tot Ion: 43 Resp: 17927

Ion Ratio Lower Upper

43 100

58 33.3 29.9 44.9



#20

Methylene Chloride

Concen: 62.406 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Tgt Ion: 84 Resp: 1152211

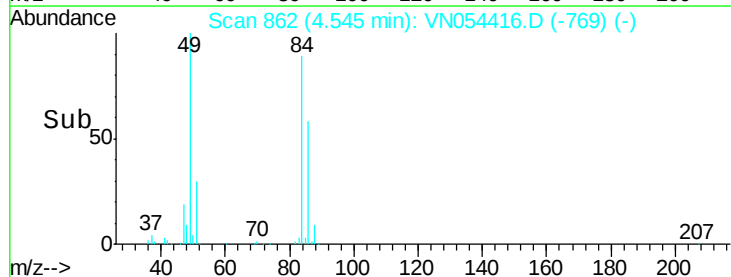
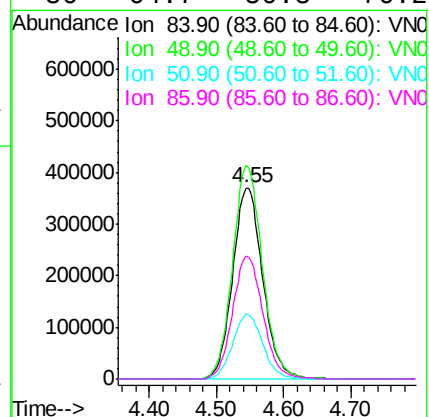
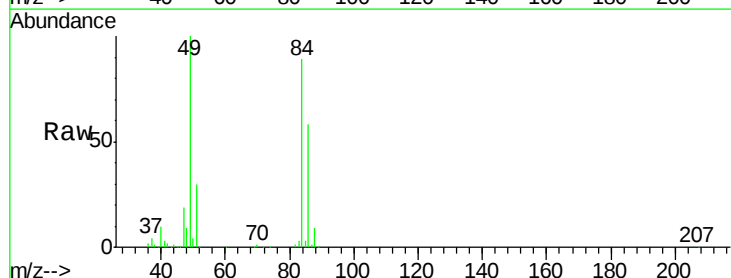
Ion Ratio Lower Upper

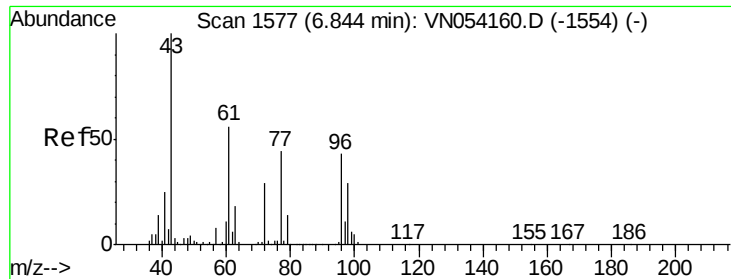
84 100

49 111.7 89.7 134.5

51 34.1 28.2 42.4

86 64.7 50.8 76.2

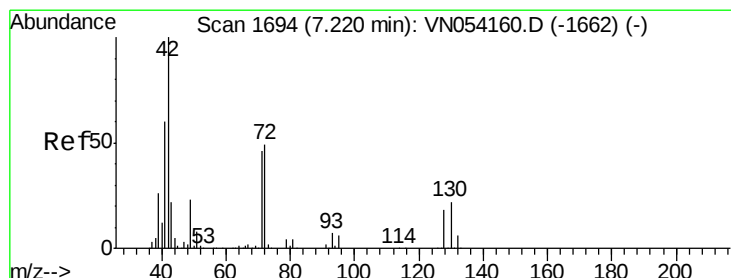
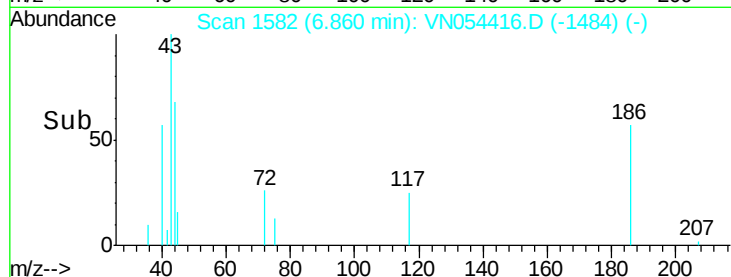
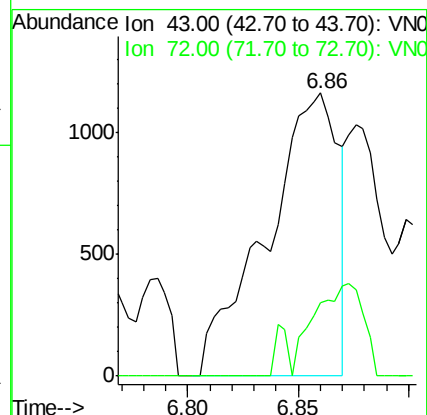
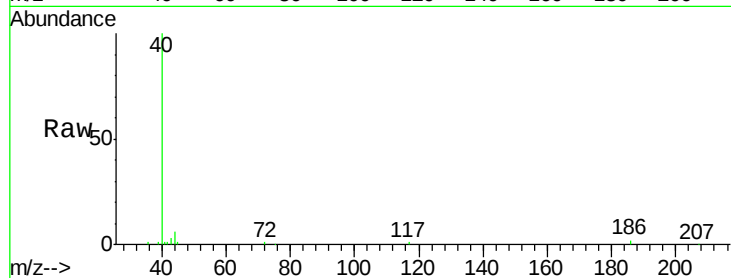




#25
 2-Butanone
 Concen: 0.398 ug/l
 RT: 6.86 min Scan# 1582
 Delta R.T. 0.02 min
 Lab File: VN054416.D
 Acq: 19 Mar 2019 2:18

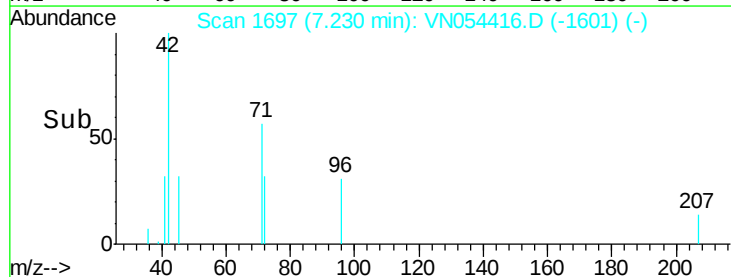
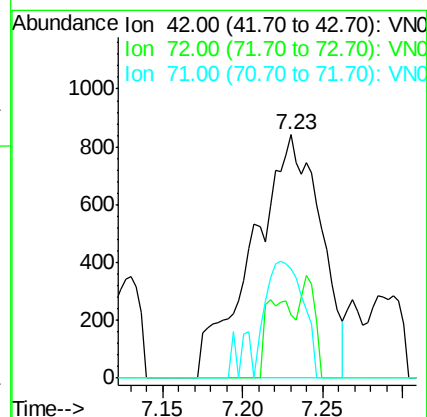
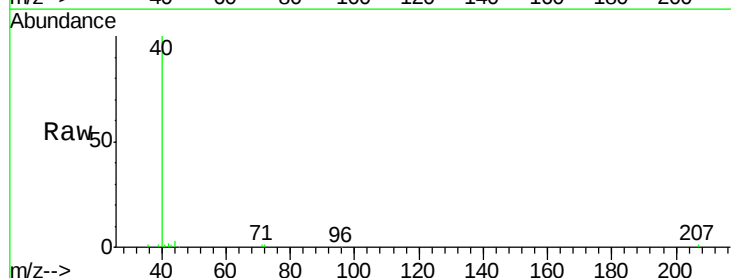
Instrument :
 MSVOA_N
 ClientSampled :
 CL-01-031519-B

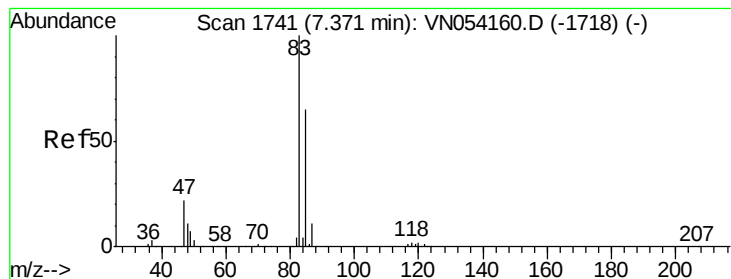
Tot Ion: 43 Resp: 2626
 Ion Ratio Lower Upper
 43 100
 72 26.1 23.0 34.6



#29
 Tetrahydrofuran
 Concen: 0.581 ug/l
 RT: 7.23 min Scan# 1697
 Delta R.T. 0.01 min
 Lab File: VN054416.D
 Acq: 19 Mar 2019 2:18

Tgt Ion: 42 Resp: 2466
 Ion Ratio Lower Upper
 42 100
 72 13.5 37.8 56.6#
 71 26.8 36.2 54.2#





#30

Chloroform

Concen: 0.366 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

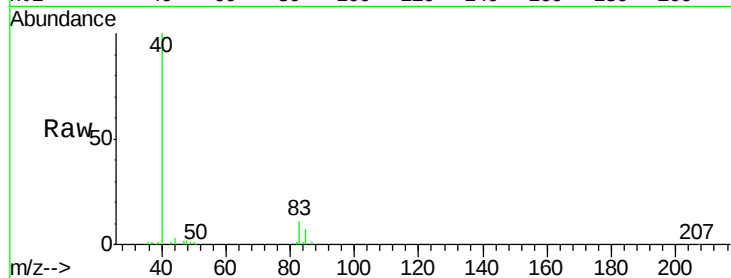
CL-01-031519-B

Tot Ion: 83 Resp: 12054

Ion Ratio Lower Upper

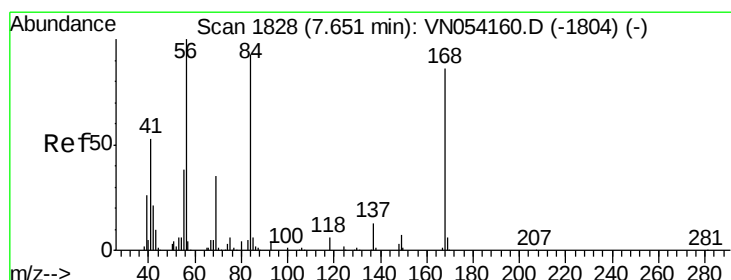
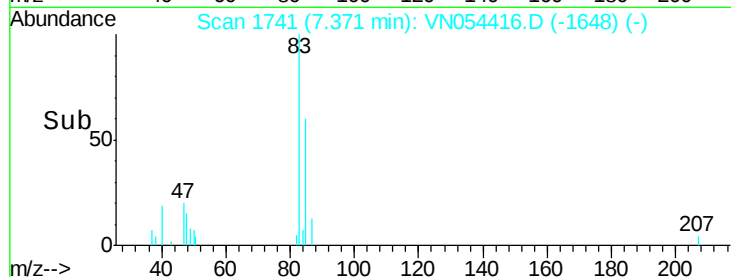
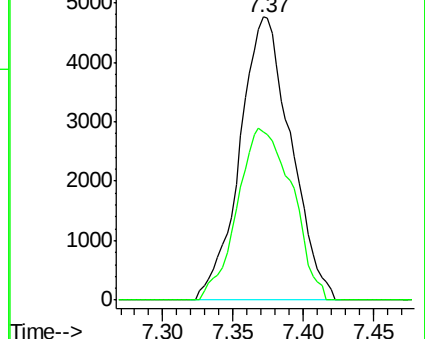
83 100

85 59.6 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1833

Delta R.T. 0.02 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

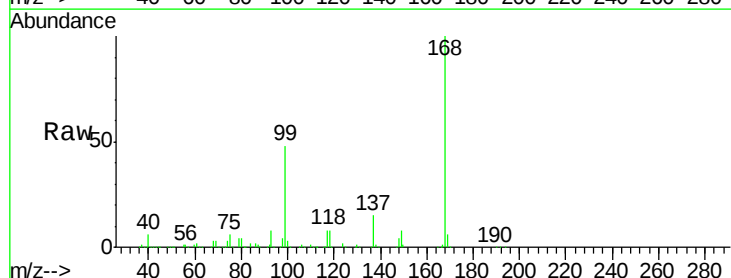
Tgt Ion: 56 Resp: 25527

Ion Ratio Lower Upper

56 100

69 189.6 27.8 41.6#

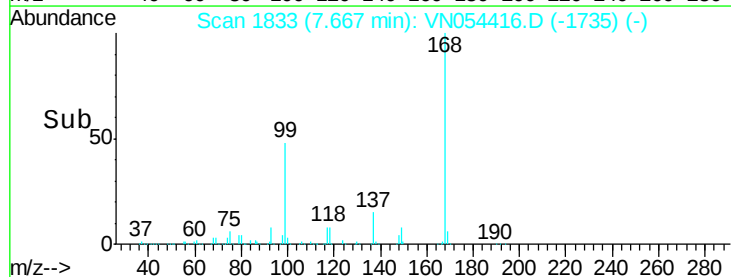
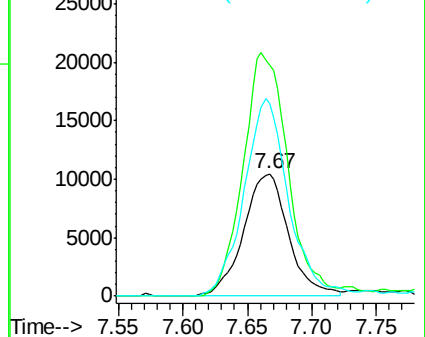
84 157.7 74.6 111.8#

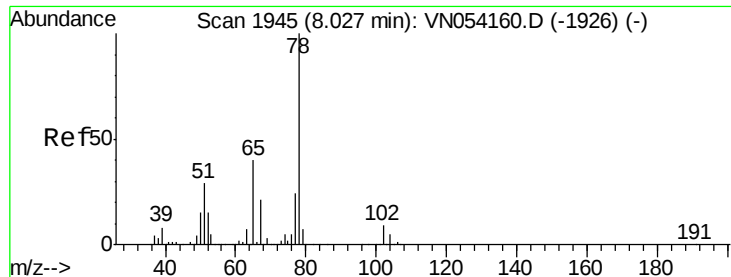


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

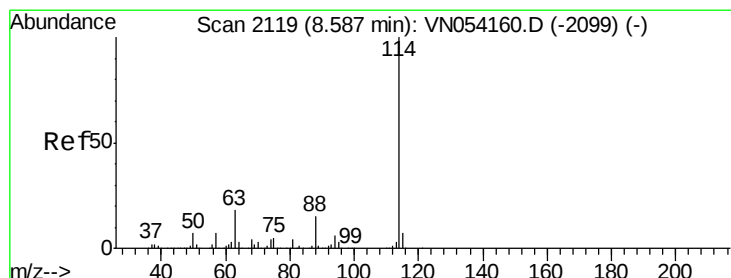
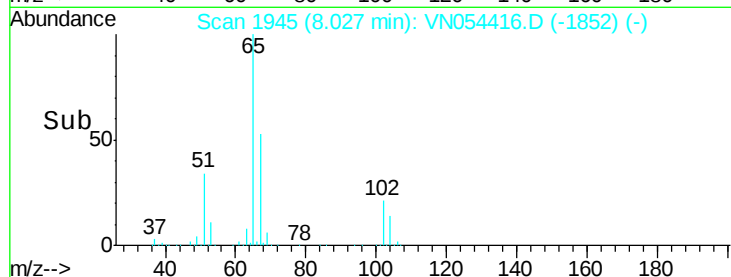
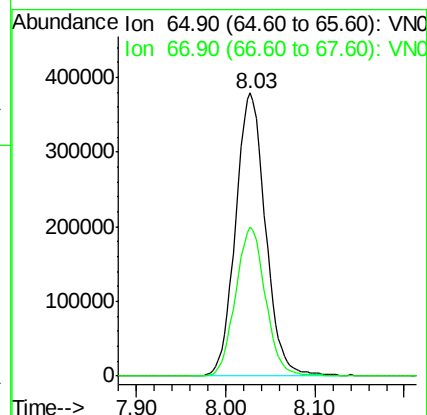
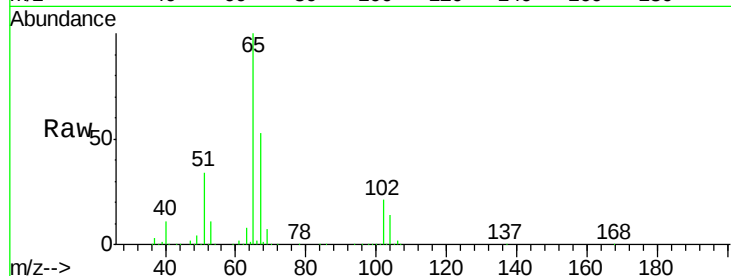




#33
 1,2-Dichloroethane-d4
 Concen: 44.897 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054416.D
 Acq: 19 Mar 2019 2:18

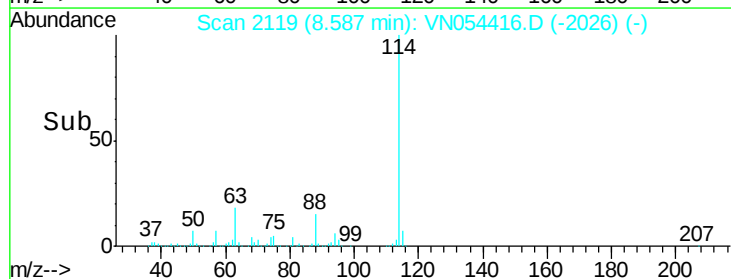
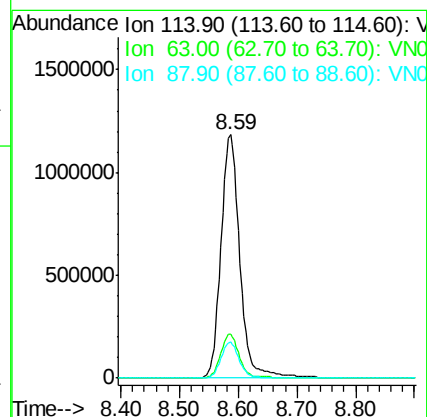
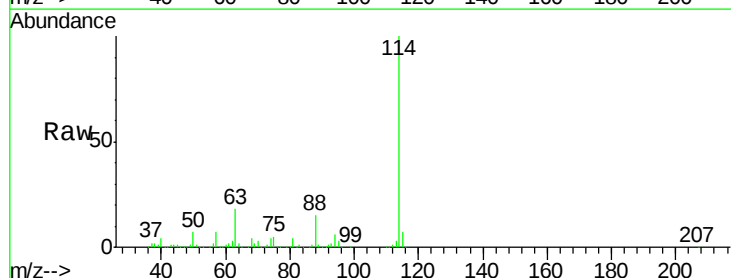
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-031519-B

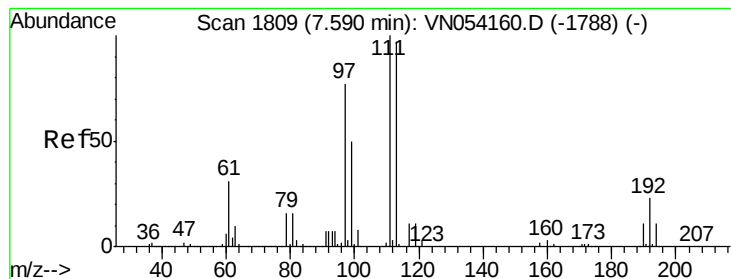
Tot Ion: 65 Resp: 881722
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054416.D
 Acq: 19 Mar 2019 2:18

Tgt Ion: 114 Resp: 2627756
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 35.2
 88 14.7 0.0 30.2





#35

Dibromofluoromethane

Concen: 47.222 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

CL-01-031519-B

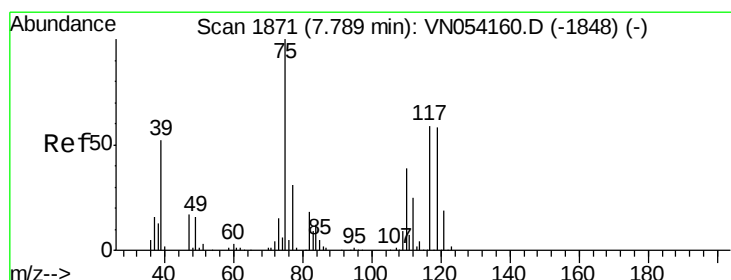
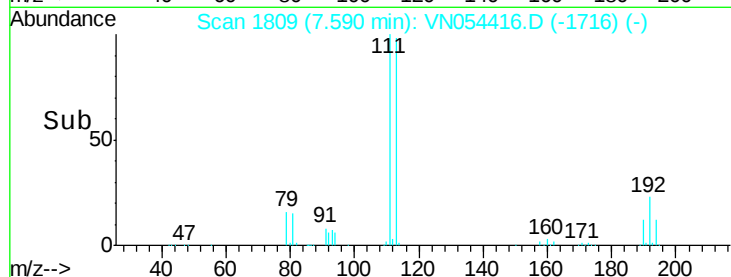
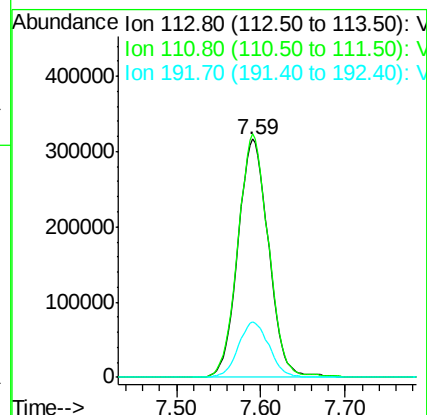
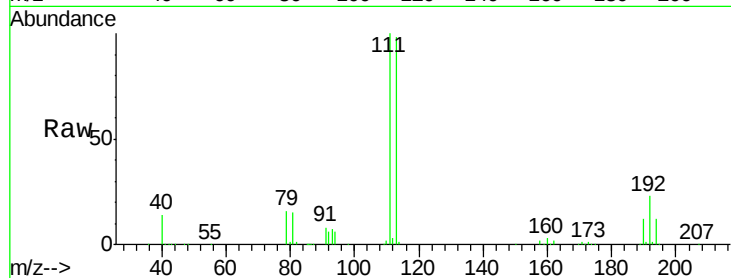
Tot Ion:113 Resp: 800318

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.4

192 23.4 19.2 28.8



#36

1,1-Dichloropropene

Concen: 4.375 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

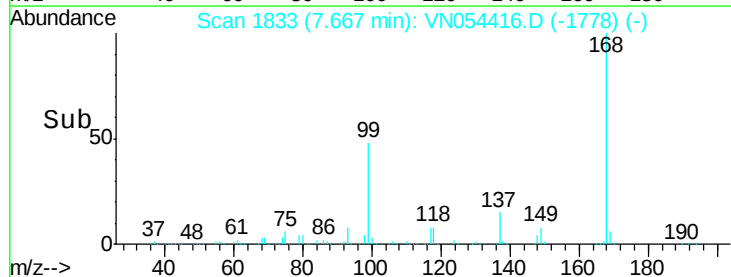
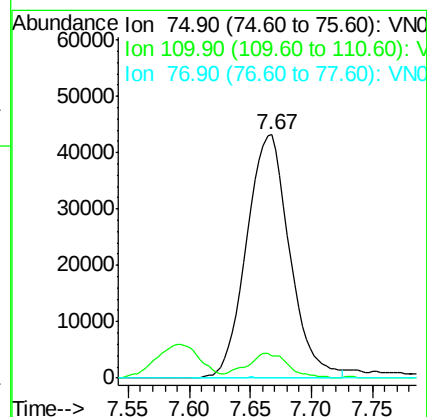
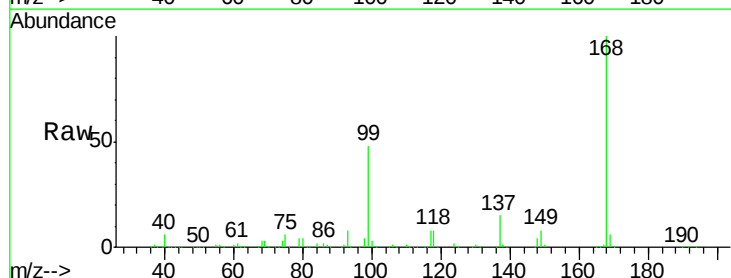
Tgt Ion: 75 Resp: 105866

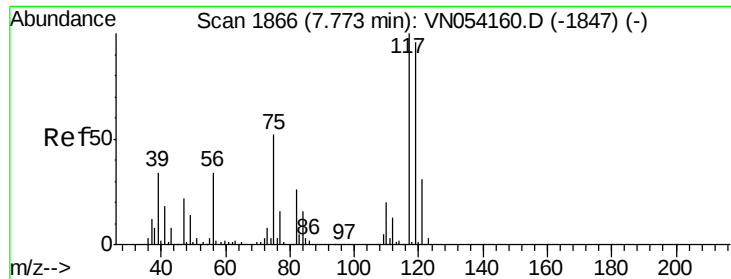
Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.5#

77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.899 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

CL-01-031519-B

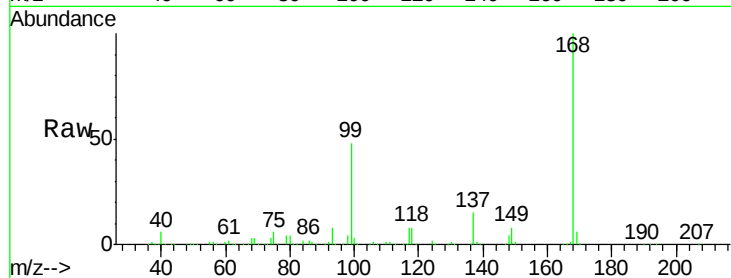
Tot Ion:117 Resp: 149704

Ion Ratio Lower Upper

117 100

119 5.7 76.3 114.5#

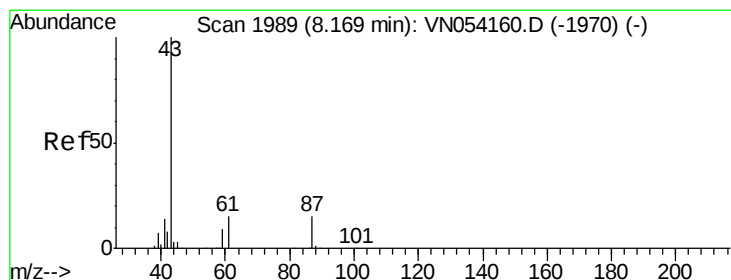
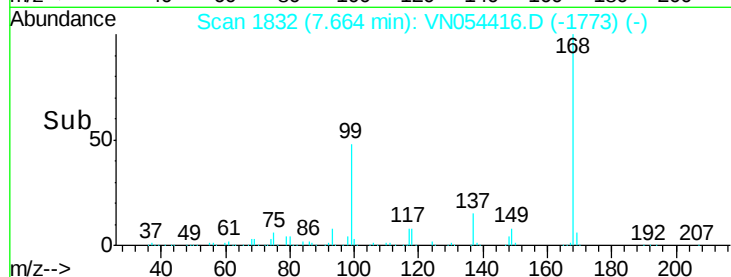
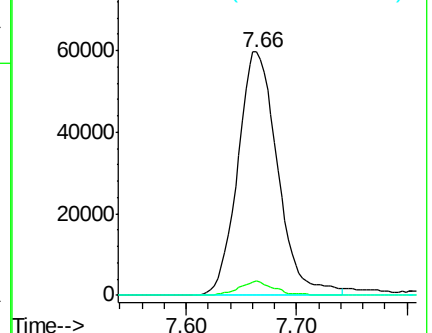
121 0.0 24.6 36.8#



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: 1.199 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

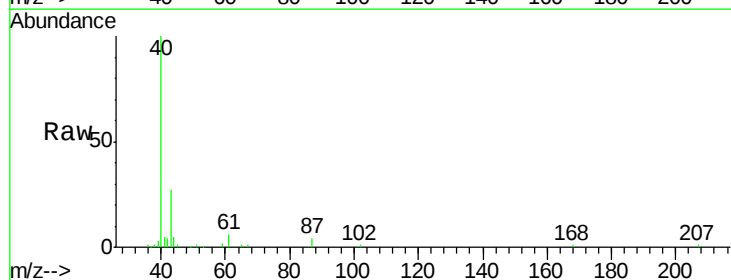
Tgt Ion: 43 Resp: 29270

Ion Ratio Lower Upper

43 100

61 20.5 15.8 23.8

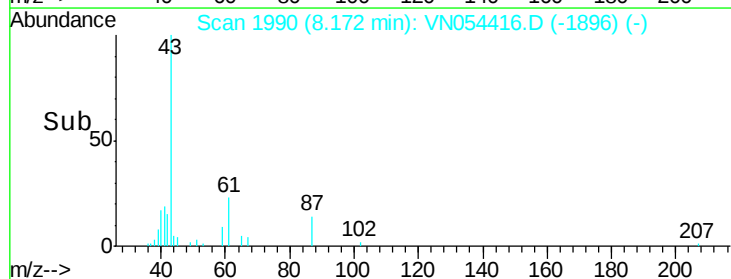
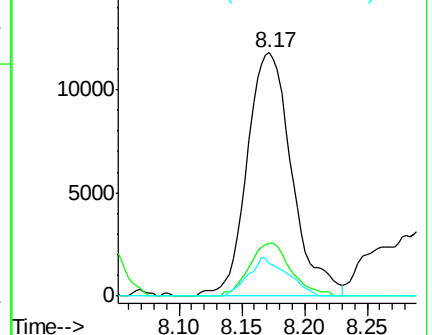
87 13.7 12.0 18.0

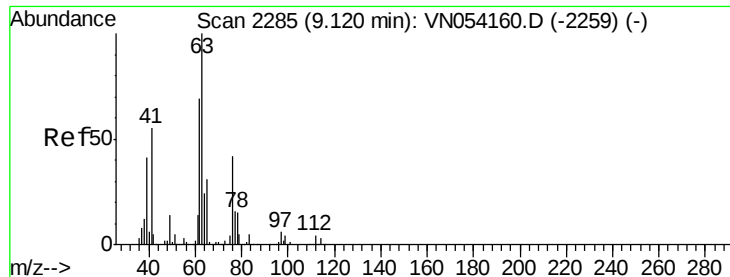


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.211 ug/l

RT: 9.27 min Scan# 2333

Delta R.T. 0.15 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

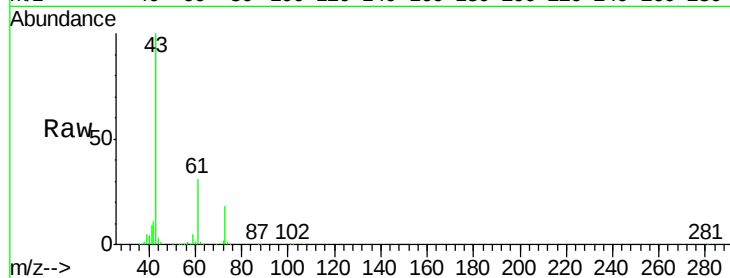
CL-01-031519-B

Tot Ion: 63 Resp: 3623

Ion Ratio Lower Upper

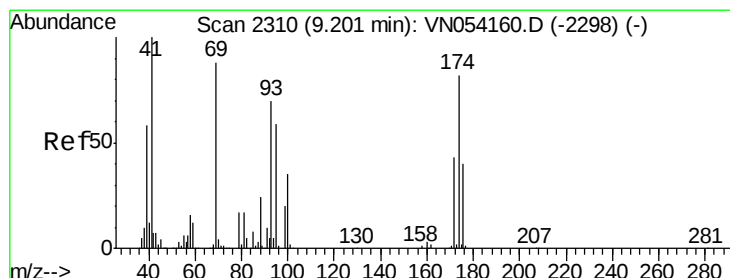
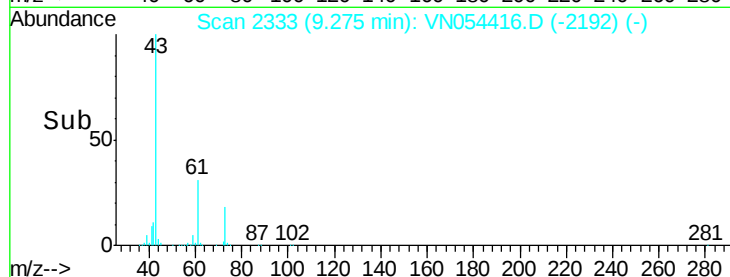
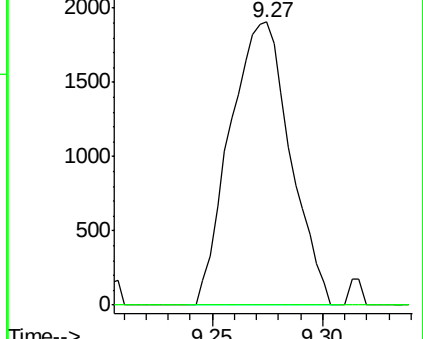
63 100

65 0.0 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#48

Methyl methacrylate

Concen: 1.171 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

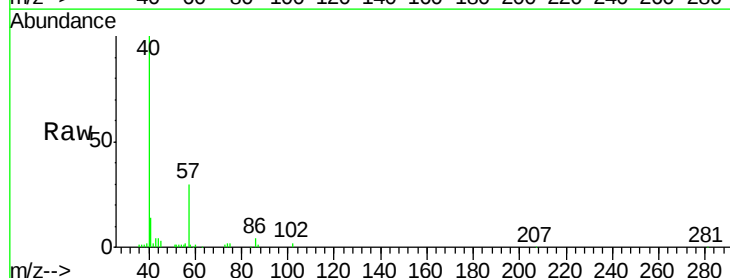
Tgt Ion: 41 Resp: 14505

Ion Ratio Lower Upper

41 100

69 0.0 72.6 108.8#

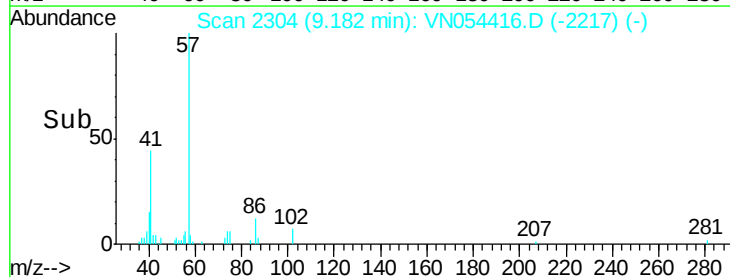
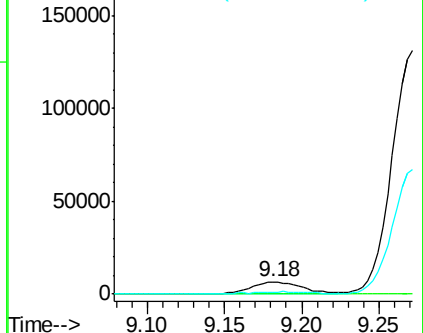
39 0.0 47.5 71.3#

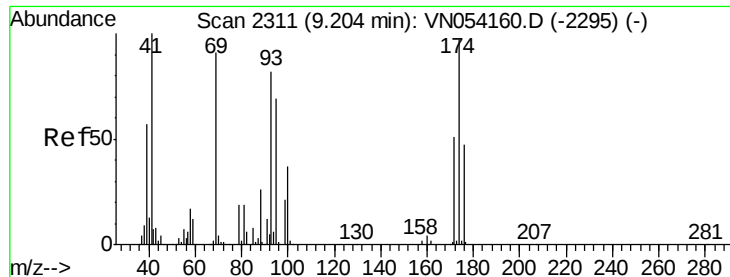


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 1.119 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.06 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

CL-01-031519-B

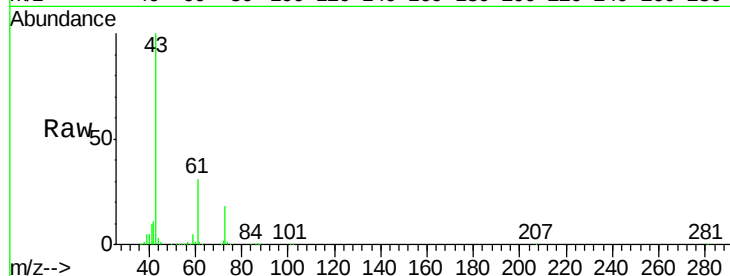
Tot Ion: 88 Resp: 196

Ion Ratio Lower Upper

88 100

43 1366316.3 24.1 36.1#

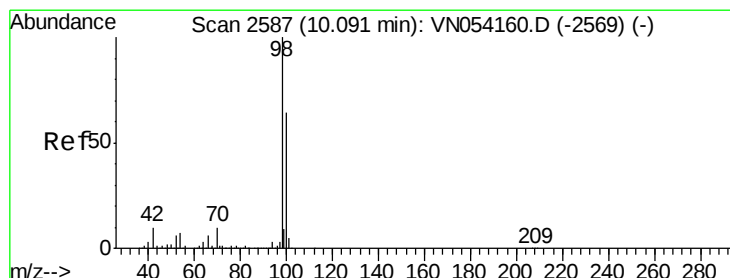
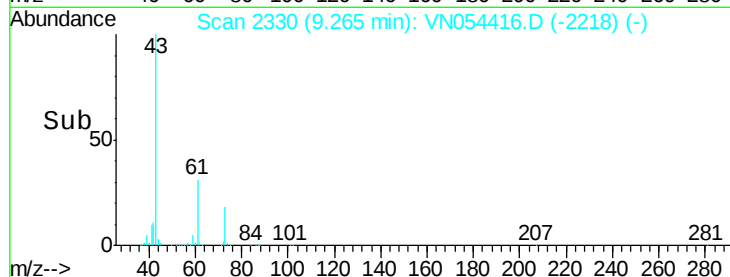
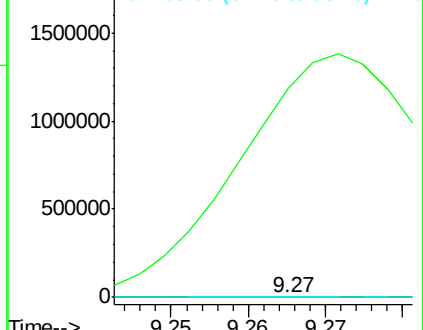
58 5707.1 50.8 76.2#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 48.927 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054416.D

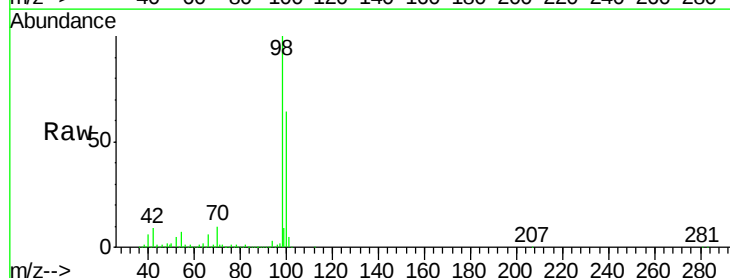
Acq: 19 Mar 2019 2:18

Tgt Ion: 98 Resp: 3062380

Ion Ratio Lower Upper

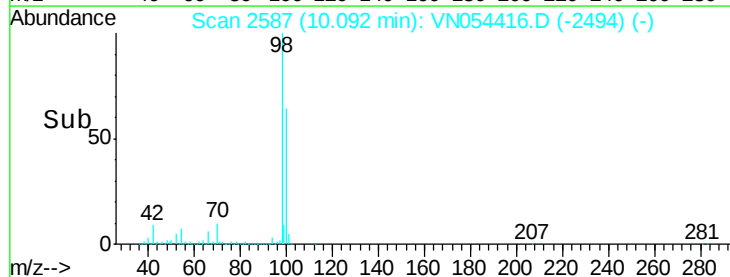
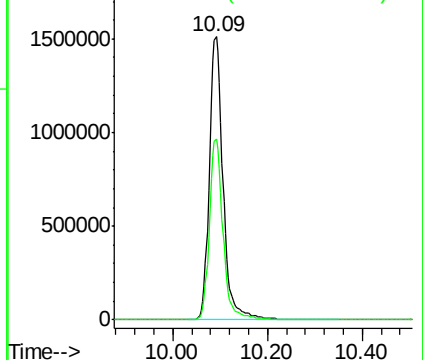
98 100

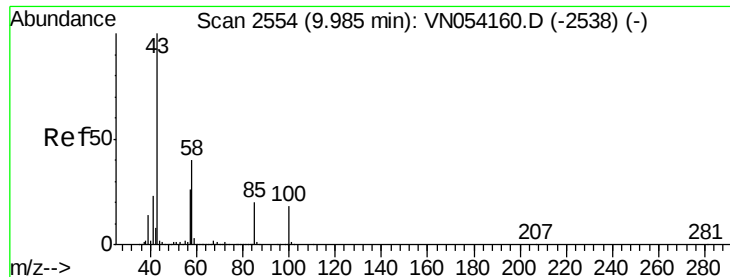
100 63.7 51.2 76.8



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: 1.134 ug/l

RT: 10.03 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

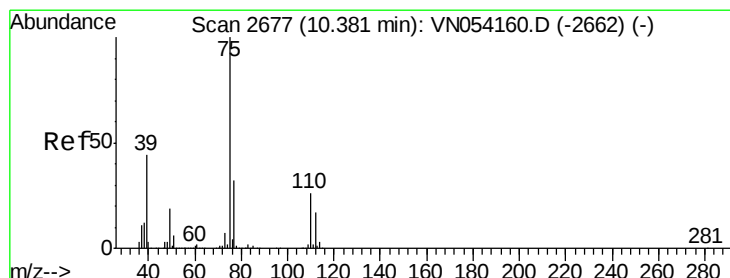
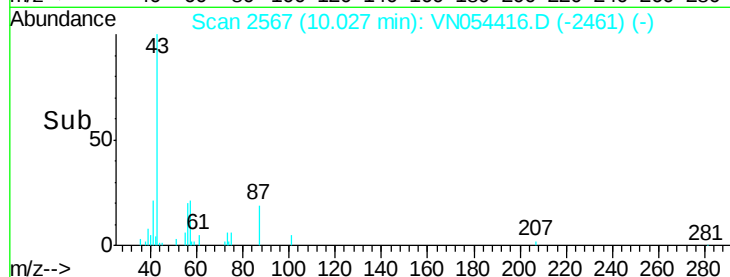
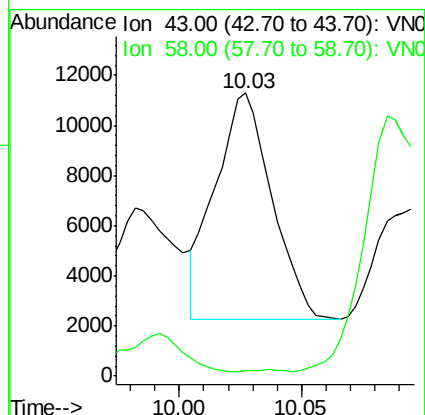
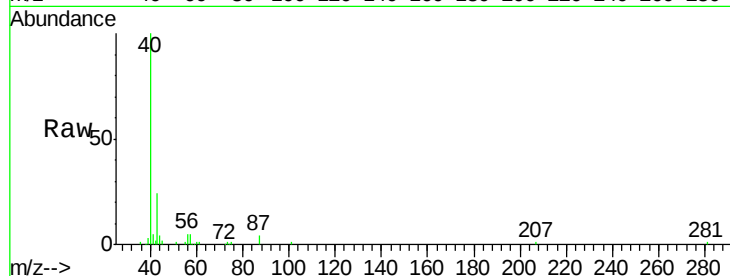
CL-01-031519-B

Tot Ion: 43 Resp: 14645

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.6#



#53

t-1,3-Dichloropropene

Concen: 1.993 ug/l

RT: 10.28 min Scan# 2646

Delta R.T. -0.10 min

Lab File: VN054416.D

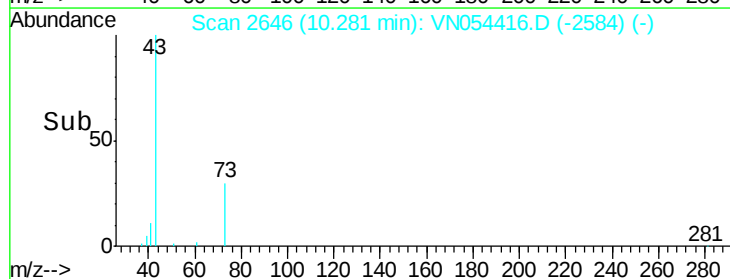
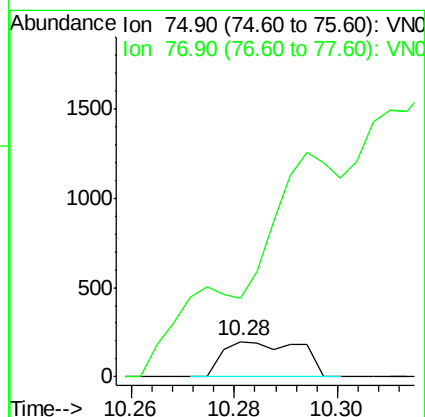
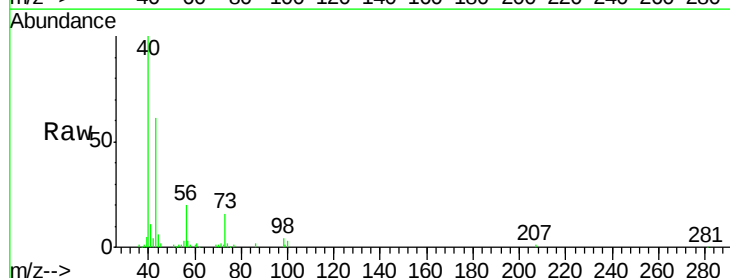
Acq: 19 Mar 2019 2:18

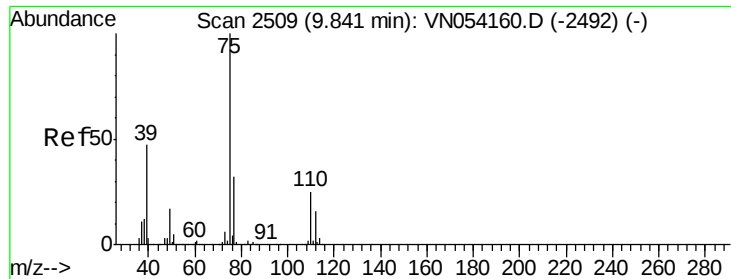
Tgt Ion: 75 Resp: 205

Ion Ratio Lower Upper

75 100

77 0.0 25.8 38.8#





#54

cis-1,3-Dichloropropene

Concen: 4.884 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

CL-01-031519-B

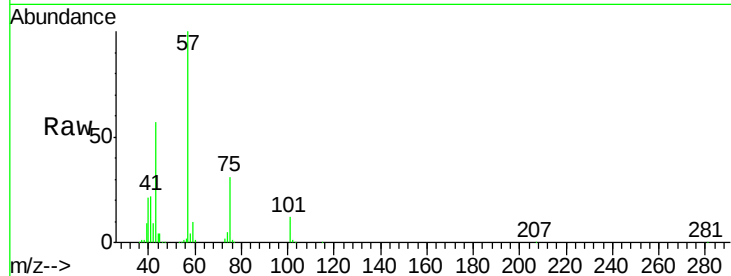
Tot Ion: 75 Resp: 132570

Ion Ratio Lower Upper

75 100

77 0.4 25.4 38.0#

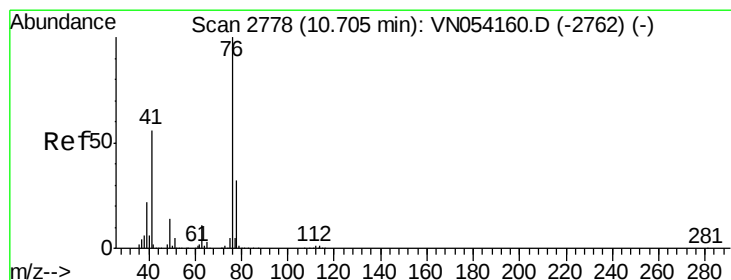
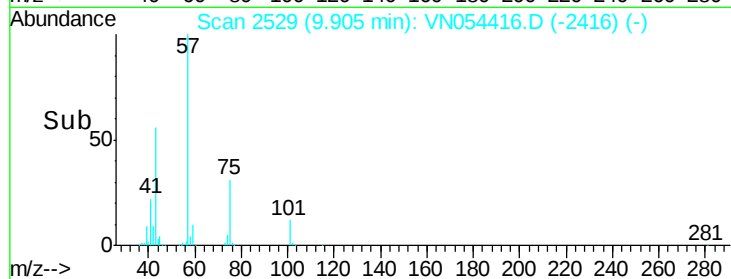
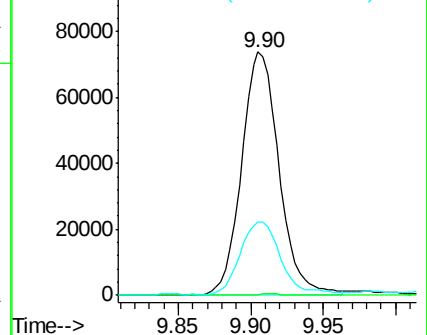
39 29.8 37.2 55.8#



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: 0.995 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN054416.D

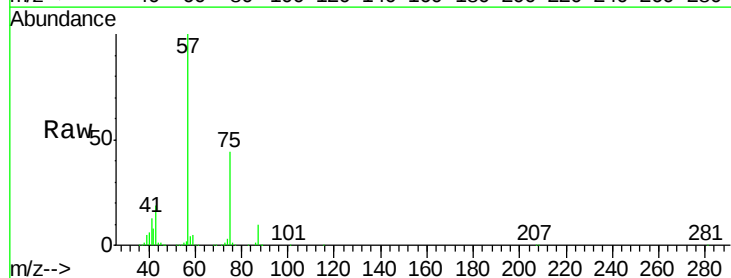
Acq: 19 Mar 2019 2:18

Tgt Ion: 76 Resp: 26086

Ion Ratio Lower Upper

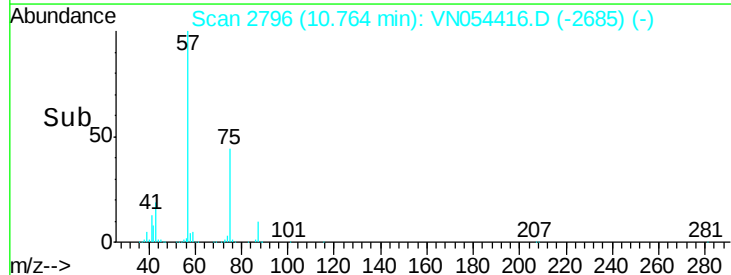
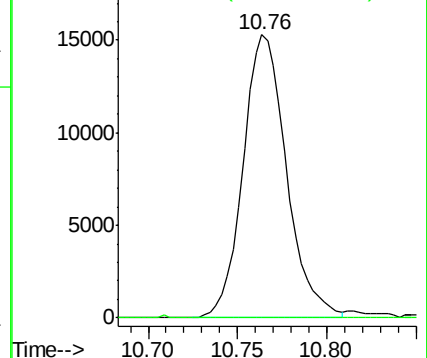
76 100

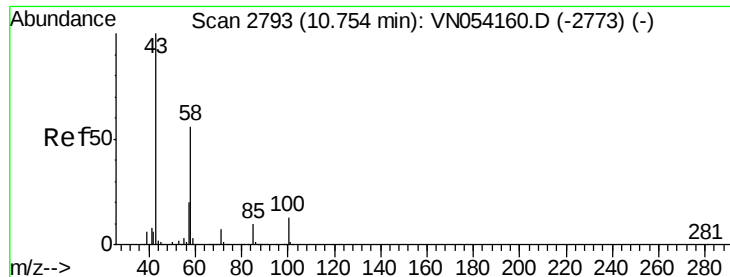
78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

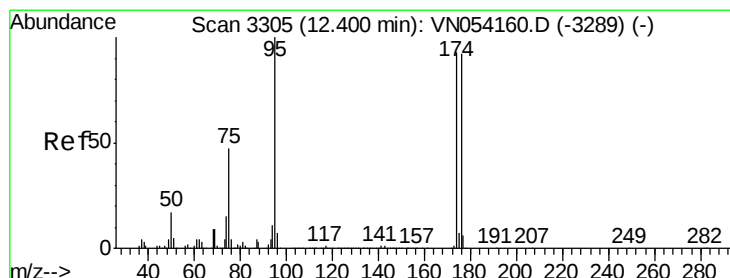
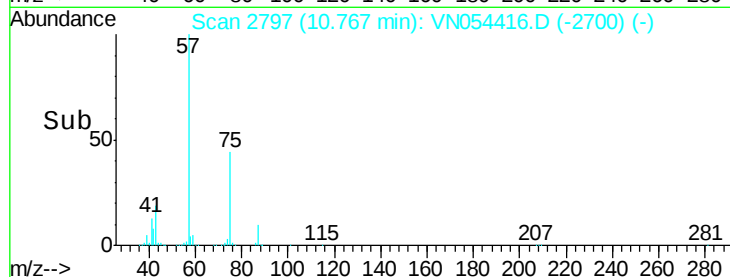
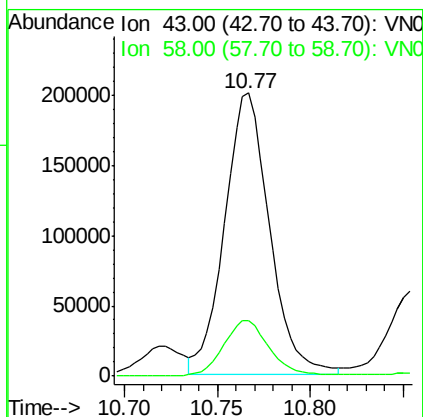
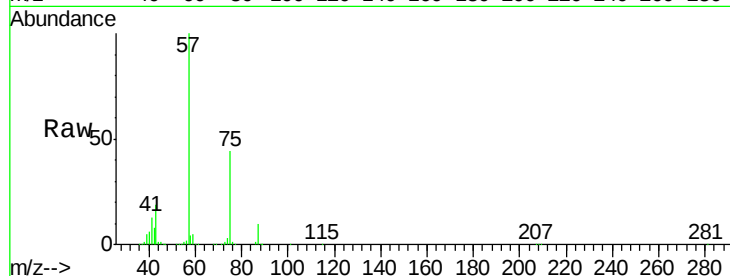




#59
2-Hexanone
Concen: 39.188 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.01 min
Lab File: VN054416.D
Acq: 19 Mar 2019 2:18

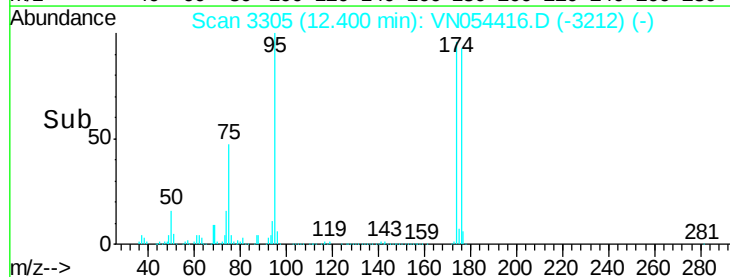
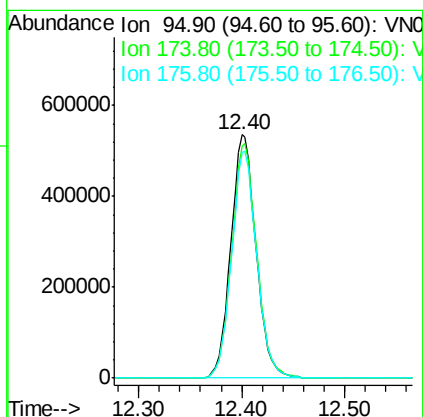
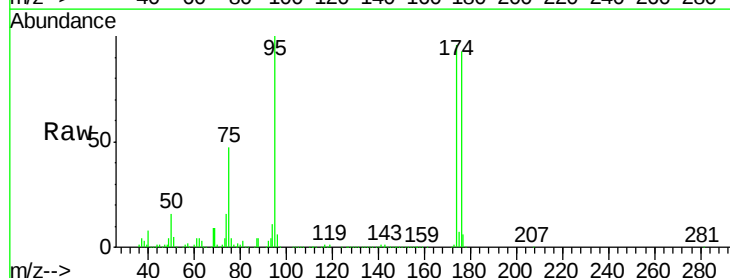
Instrument :
MSVOA_N
ClientSampleId :
CL-01-031519-B

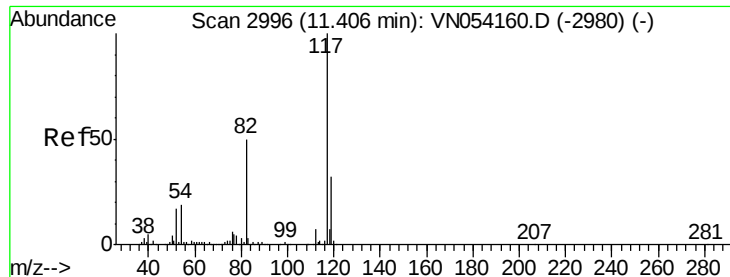
Tot Ion: 43 Resp: 336795
Ion Ratio Lower Upper
43 100
58 20.4 28.0 83.9#



#62
4-Bromofluorobenzene
Concen: 41.638 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN054416.D
Acq: 19 Mar 2019 2:18

Tgt Ion: 95 Resp: 911895
Ion Ratio Lower Upper
95 100
174 96.3 0.0 191.0
176 93.1 0.0 187.4

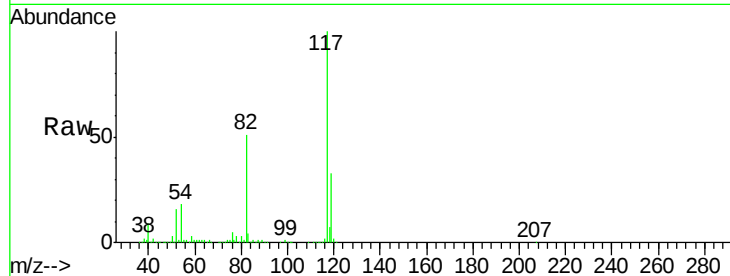




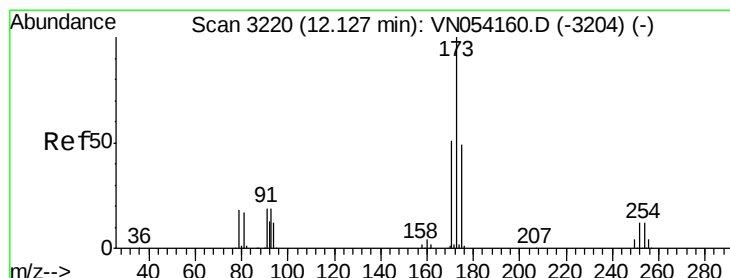
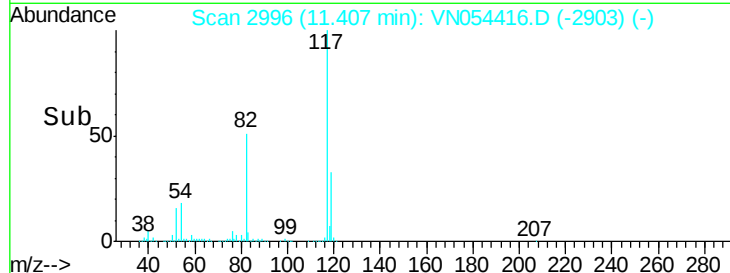
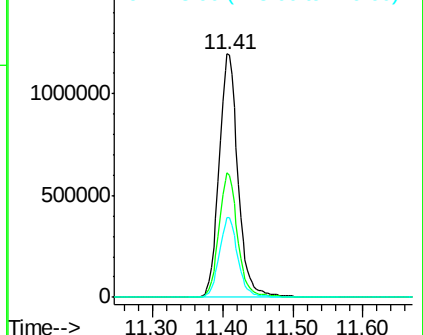
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054416.D
Acq: 19 Mar 2019 2:18

Instrument :
MSVOA_N
ClientSampleId :
CL-01-031519-B

Tot Ion:117 Resp: 2232938
Ion Ratio Lower Upper
117 100
82 50.9 40.0 60.0
119 32.6 25.8 38.6

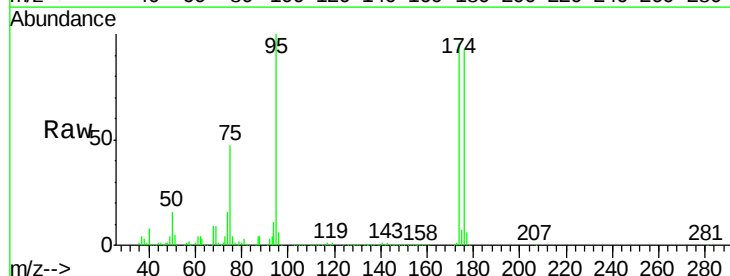


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

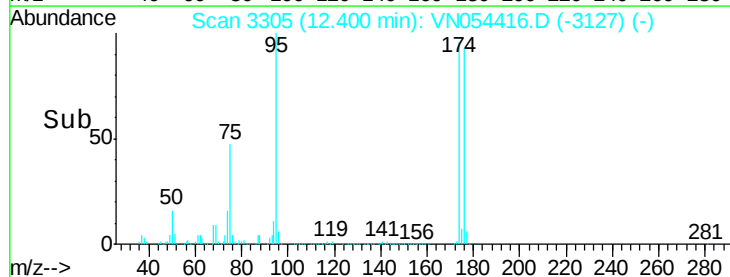
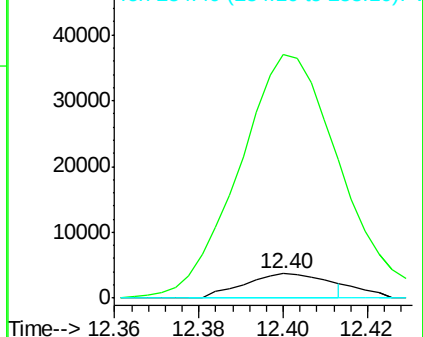


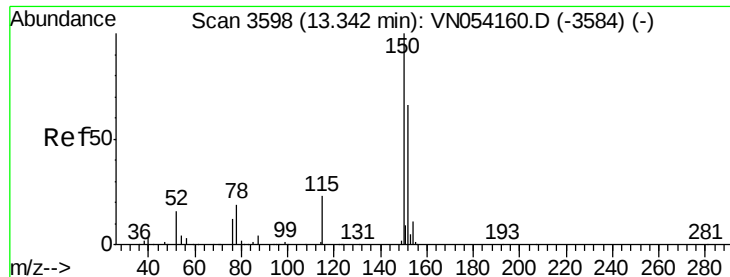
#71
Bromoform
Concen: 2.705 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054416.D
Acq: 19 Mar 2019 2:18

Tgt Ion:173 Resp: 5047
Ion Ratio Lower Upper
173 100
175 1061.9 24.4 73.2#
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# 3599

Delta R.T. 0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

CL-01-031519-B

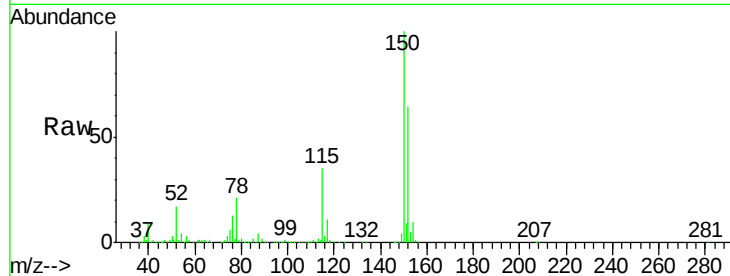
Tot Ion:152 Resp: 816069

Ion Ratio Lower Upper

152 100

115 55.3 27.2 81.6

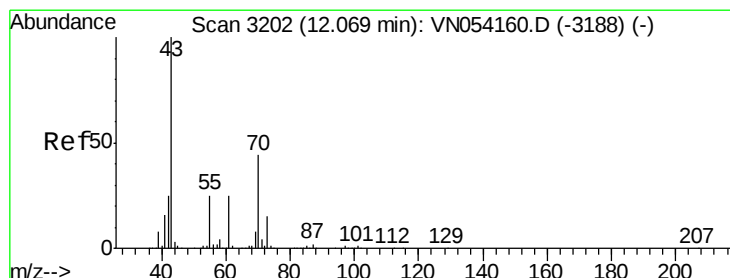
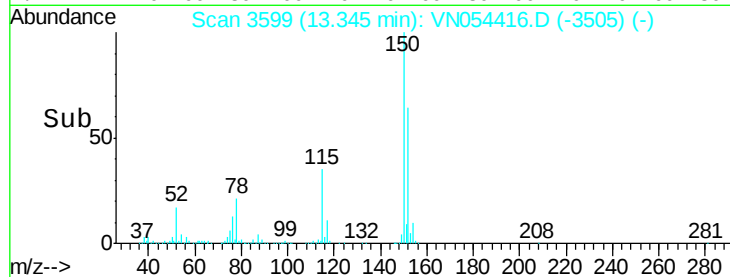
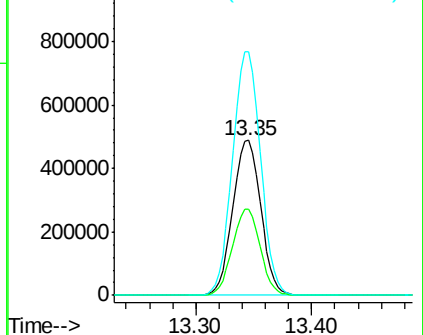
150 157.9 0.0 349.2



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-ethyl acetate

Concen: 2.289 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Tgt Ion: 43 Resp: 33169

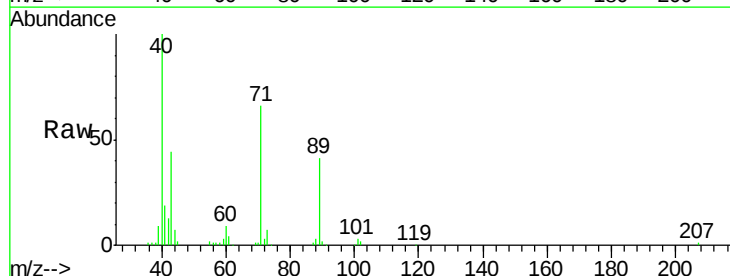
Ion Ratio Lower Upper

43 100

70 1.9 35.4 53.0#

55 6.3 19.8 29.6#

61 10.6 19.8 29.6#

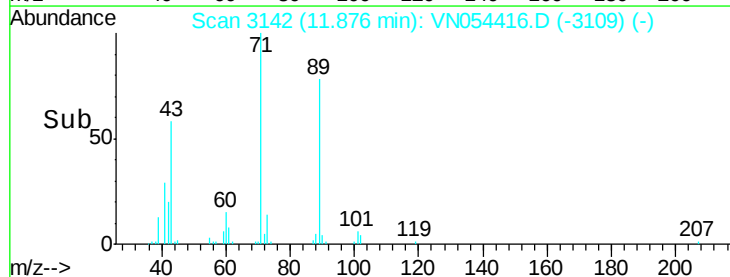
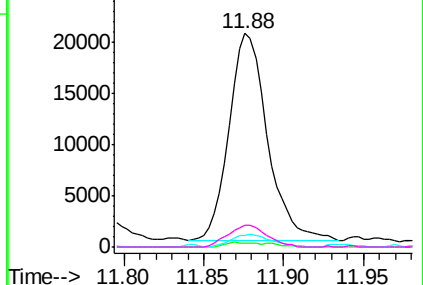


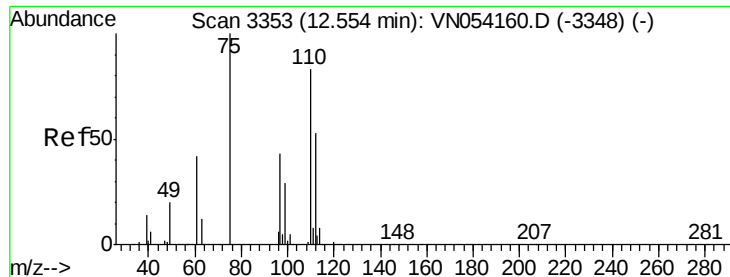
Abundance Ion 43.00 (42.70 to 43.70): V

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





#76

1,2,3-Trichloropropane

Concen: 35.305 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

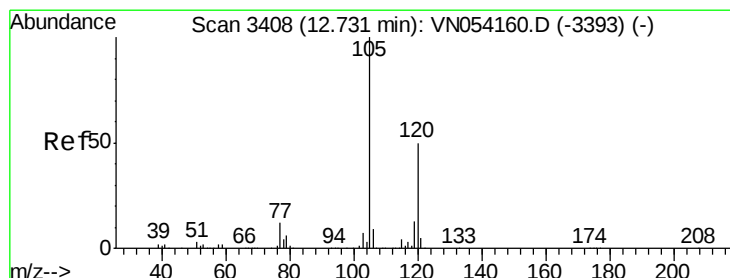
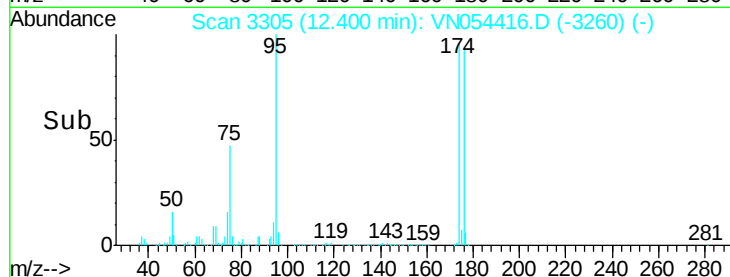
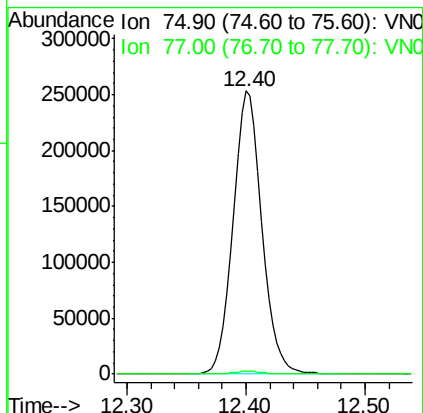
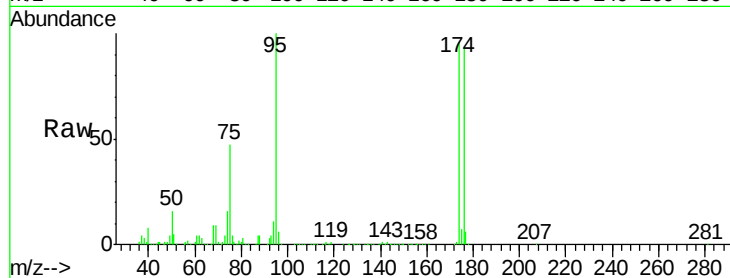
CL-01-031519-B

Tot Ion: 75 Resp: 423687

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 0.262 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN054416.D

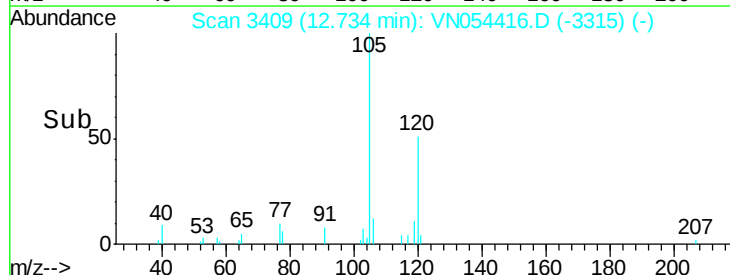
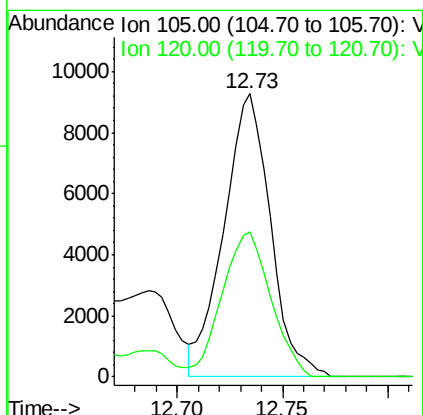
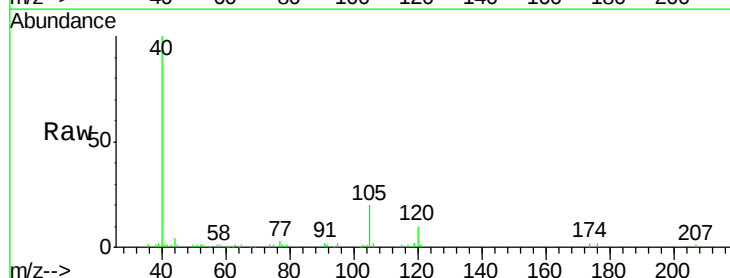
Acq: 19 Mar 2019 2:18

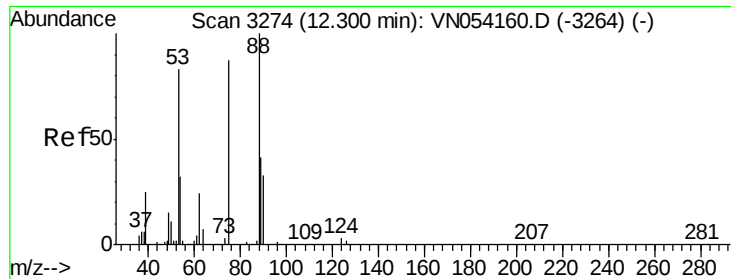
Tgt Ion: 105 Resp: 14221

Ion Ratio Lower Upper

105 100

120 53.8 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 120.689 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampleId :

CL-01-031519-B

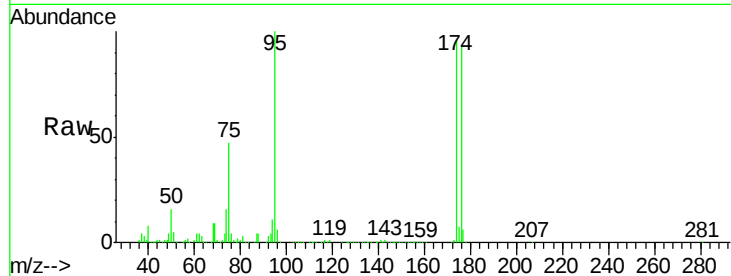
Tot Ion: 75 Resp: 423687

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

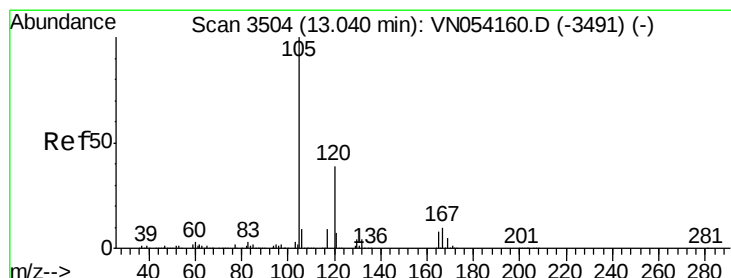
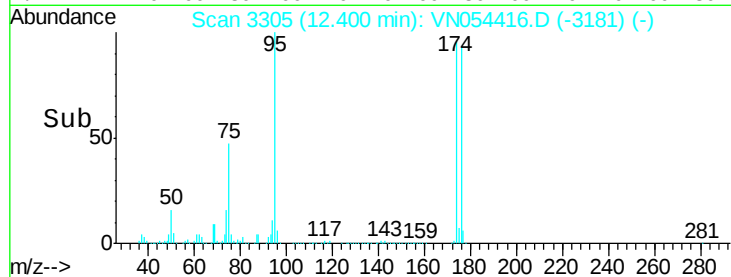
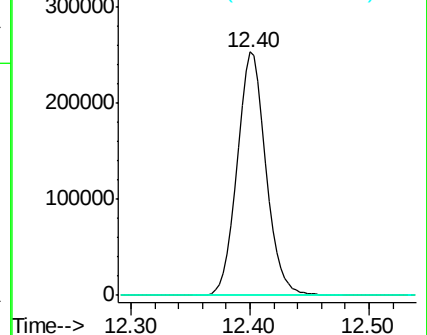
89 0.0 39.2 58.8#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.350 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN054416.D

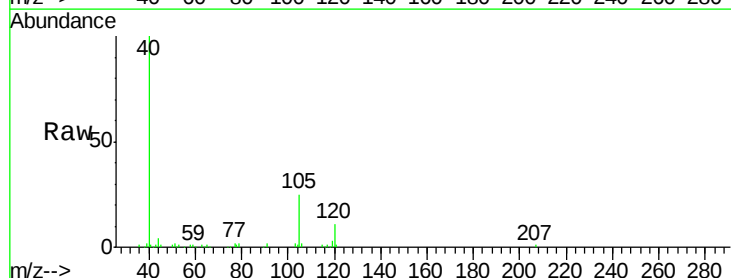
Acq: 19 Mar 2019 2:18

Tgt Ion: 105 Resp: 18623

Ion Ratio Lower Upper

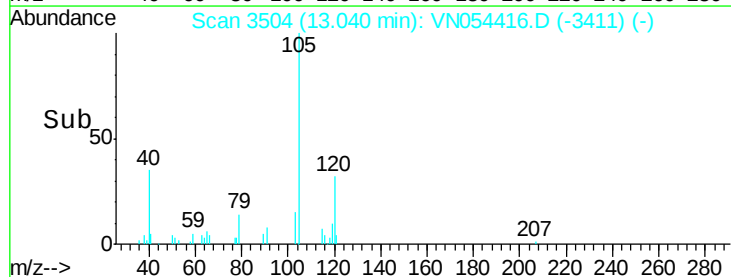
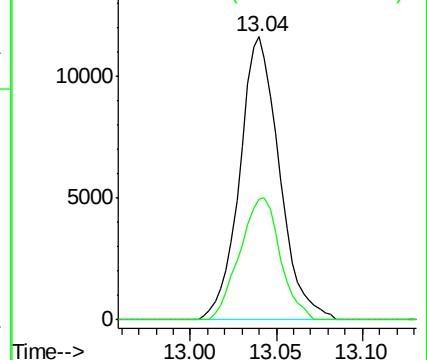
105 100

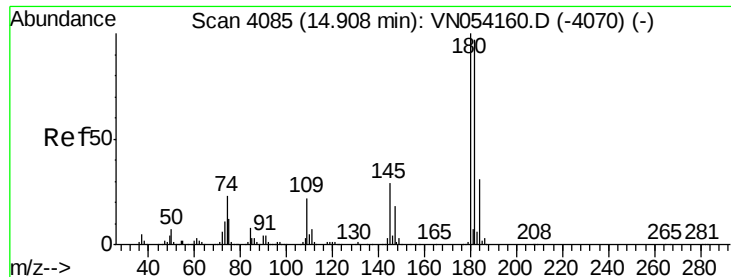
120 43.7 23.4 70.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#93

1,2,4-Trichlorobenzene

Concen: 2.526 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

Instrument :

MSVOA_N

ClientSampled :

CL-01-031519-B

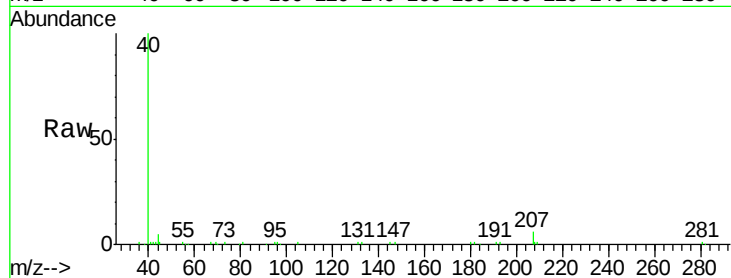
Tot Ion:180 Resp: 171

Ion Ratio Lower Upper

180 100

182 279.5 48.0 144.2#

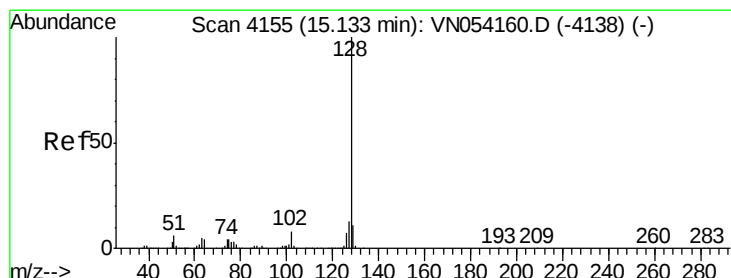
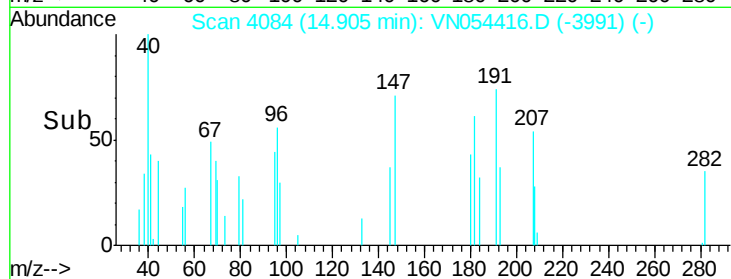
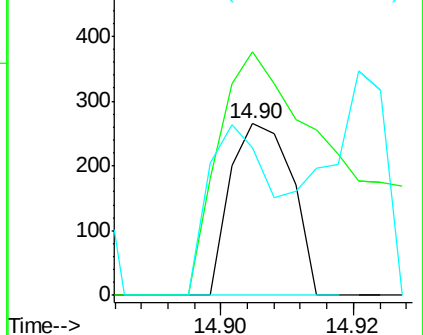
145 95.3 14.2 42.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 4.516 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN054416.D

Acq: 19 Mar 2019 2:18

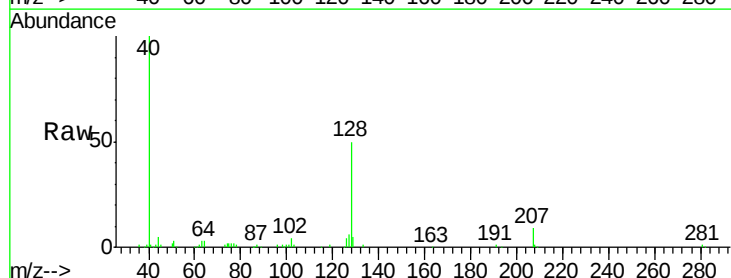
Tgt Ion:128 Resp: 40236

Ion Ratio Lower Upper

128 100

127 13.5 10.1 15.1

129 10.8 8.7 13.1



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

