

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071519\
 Data File : VN056746.D
 Acq On : 16 Jul 2019 5:13
 Operator : JC/SP
 Sample : K3620-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-071219-B

Quant Time: Jul 16 06:03:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N071519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 16 01:25:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	286075	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	516346	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	553527	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	244484	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	168134	53.13	ug/l	0.00
Spiked Amount			Recovery	=	106.26%	
35) Dibromofluoromethane	7.59	113	152798	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
50) Toluene-d8	10.09	98	648361	52.24	ug/l	0.00
Spiked Amount			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.40	95	256813	61.36	ug/l	0.00
Spiked Amount			Recovery	=	122.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	161	0.306	ug/l #	73
16) Acetone	3.82	43	12185	8.356	ug/l	93
18) Methyl Acetate	4.31	43	171	Below Cal	#	52
20) Methylene Chloride	4.55	84	14727	4.621	ug/l	95
25) 2-Butanone	6.85	43	4005	1.879	ug/l	92
29) Tetrahydrofuran	7.23	42	906	0.652	ug/l #	35
30) Chloroform	7.37	83	1575	0.296	ug/l	95
31) Cyclohexane	7.66	56	5711	1.129	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	18565	3.885	ug/l #	48
37) Ethyl Acetate	6.85	43	4005	0.850	ug/l #	68
38) Carbon Tetrachloride	7.67	117	24139	5.387	ug/l #	16
39) Methylcyclohexane	9.08	83	16291	2.761	ug/l	99
43) Isopropyl Acetate	8.17	43	10863	1.467	ug/l	96
48) Methyl methacrylate	9.18	41	7241	2.022	ug/l #	22
51) 4-Methyl-2-Pentanone	9.99	43	3672	0.766	ug/l #	87
52) Toluene	10.16	92	2535	0.292	ug/l	89
54) cis-1,3-Dichloropropene	9.90	75	38730	6.983	ug/l #	62
55) 1,1,2-Trichloroethane	10.53	97	3895	1.068	ug/l #	21
56) Ethyl methacrylate	10.43	69	1971	0.376	ug/l #	34
57) 1,3-Dichloropropane	10.76	76	6143	1.031	ug/l #	42
59) 2-Hexanone	10.76	43	85822	24.944	ug/l #	52
71) Bromoform	12.40	173	2079	0.656	ug/l #	1
73) Isopropylbenzene	12.25	105	10082	0.511	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.40	83	109	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	117983	22.064	ug/l #	100
78) n-propylbenzene	12.59	91	16278	0.744	ug/l	99
79) 2-Chlorotoluene	12.73	91	2544	Below Cal	#	39
80) 1,3,5-Trimethylbenzene	12.73	105	25462	1.524	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	117983	68.142	ug/l #	13
83) tert-Butylbenzene	12.99	119	1907	Below Cal	#	86
84) 1,2,4-Trimethylbenzene	13.04	105	40314	2.470	ug/l	99
85) sec-Butylbenzene	13.17	105	6311	0.340	ug/l	80
90) Hexachloroethane	13.89	117	1233	0.453	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	30	3.697	ug/l #	1

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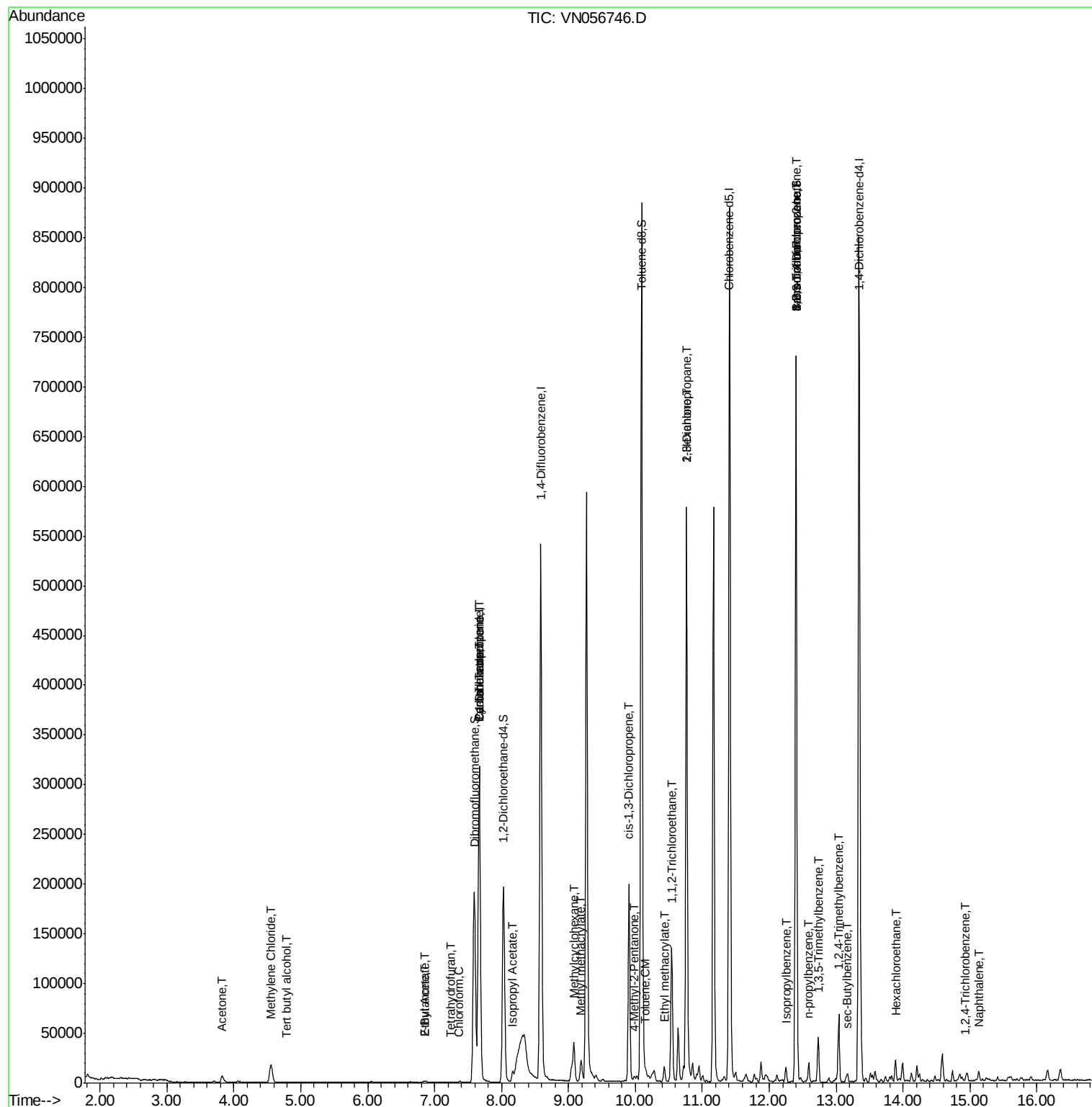
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	9829	5.208	ug/l	96

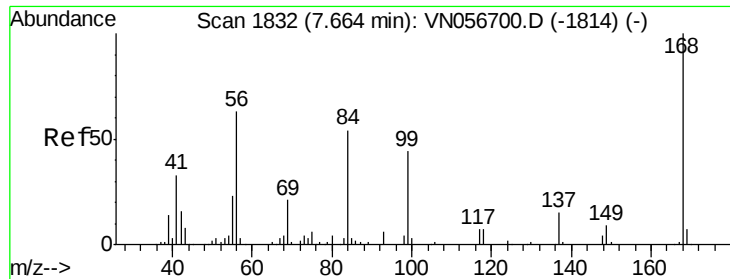
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

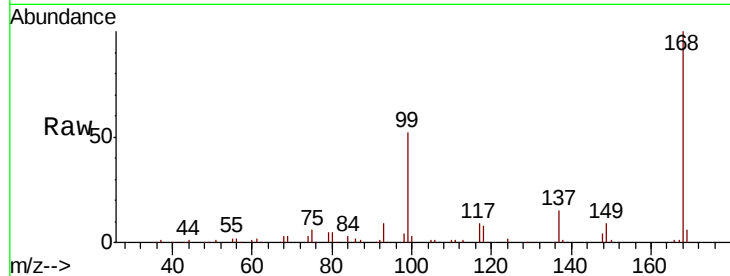
CL-01-071219-B

Tot Ion:168 Resp: 286075

Ion Ratio Lower Upper

168 100

99 52.3 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

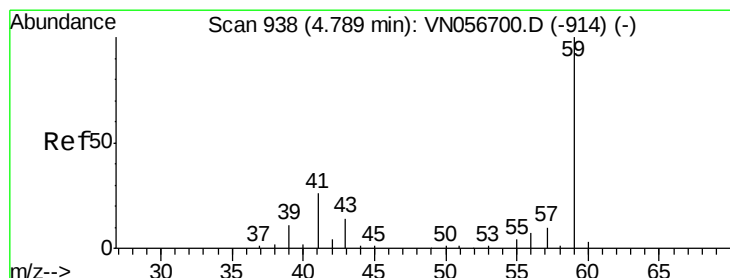
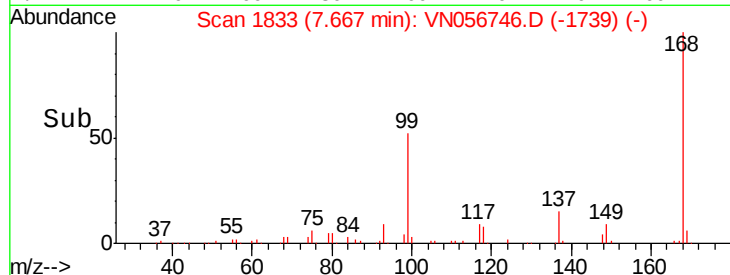
7.67

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.306 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN056746.D

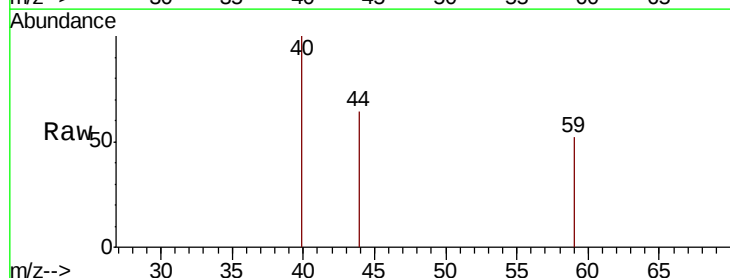
Acq: 16 Jul 2019 5:13

Tgt Ion: 59 Resp: 161

Ion Ratio Lower Upper

59 100

57 0.0 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.79

250

200

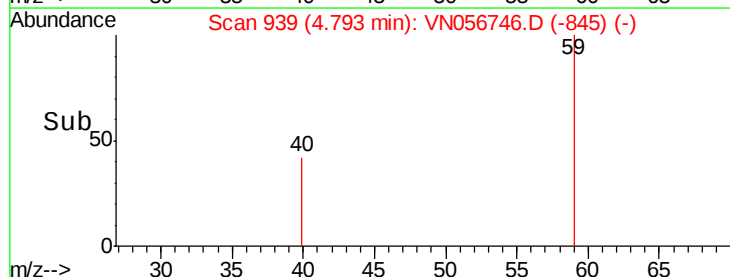
150

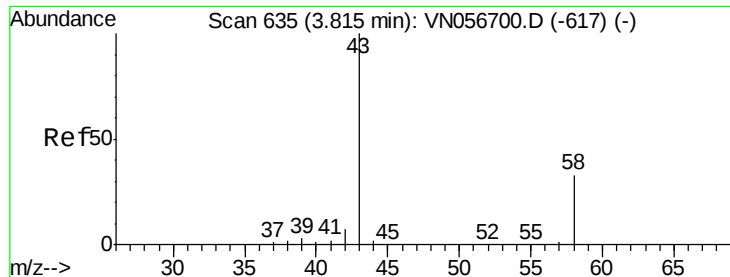
100

50

0

Time-->





#16

Acetone

Concen: 8.356 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

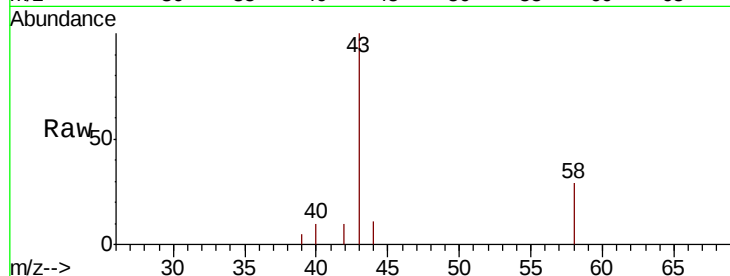
CL-01-071219-B

Tot Ion: 43 Resp: 12185

Ion Ratio Lower Upper

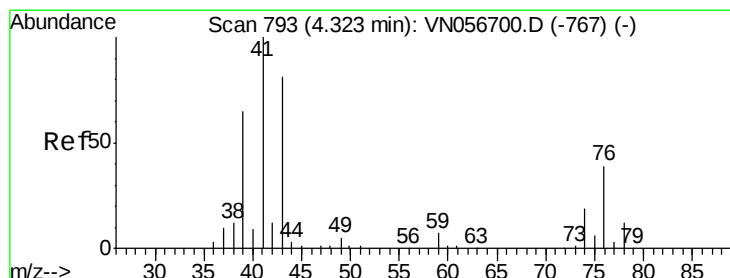
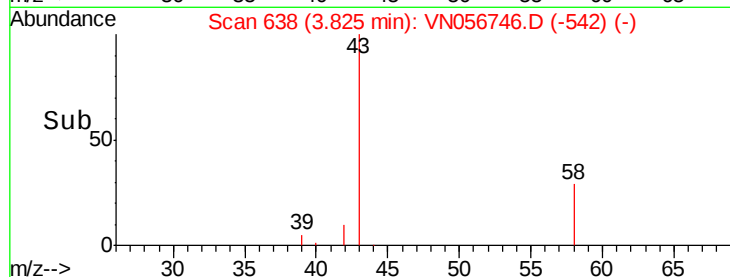
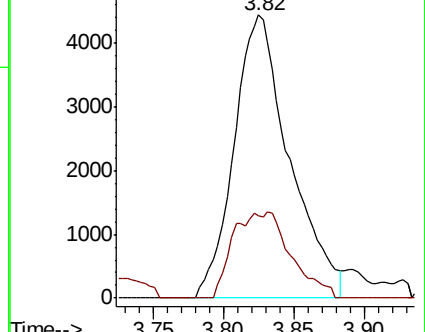
43 100

58 29.3 26.7 40.1



Abundance Ion 43.00 (42.70 to 43.70): VN056746.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN056746.D (-542) (-)



#18

Methyl Acetate

Concen: Below Cal

RT: 4.31 min Scan# 789

Delta R.T. -0.01 min

Lab File: VN056746.D

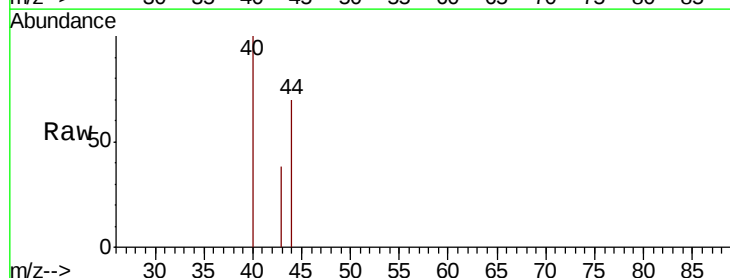
Acq: 16 Jul 2019 5:13

Tgt Ion: 43 Resp: 171

Ion Ratio Lower Upper

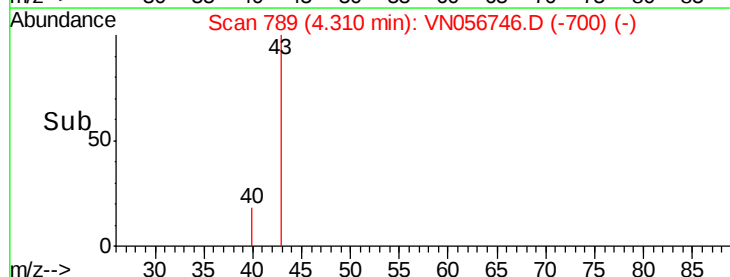
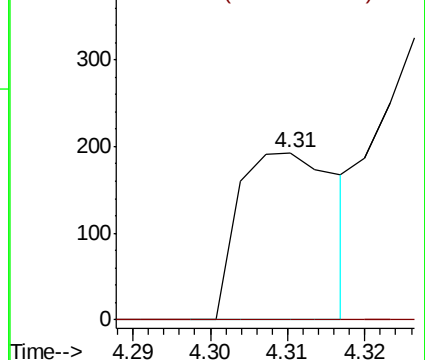
43 100

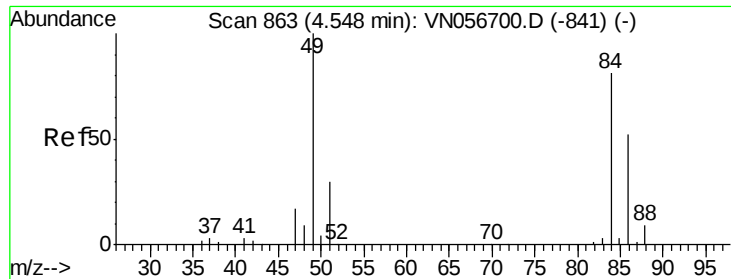
74 0.0 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN056746.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN056746.D (-700) (-)

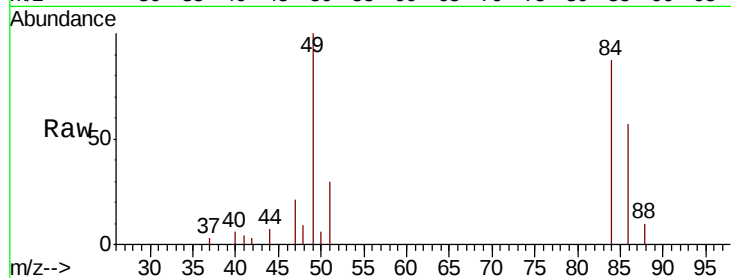




#20
Methvlene Chloride
Concen: 4.621 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.01 min
Lab File: VN056746.D
Acq: 16 Jul 2019 5:13

Instrument :
MSVOA_N
ClientSampleId :
CL-01-071219-B

Tot Ion:	84	Resp:	14727
Ion	Ratio	Lower	Upper
84	100		
49	115.3	98.2	147.4
51	34.6	29.6	44.4
86	66.2	51.0	76.4



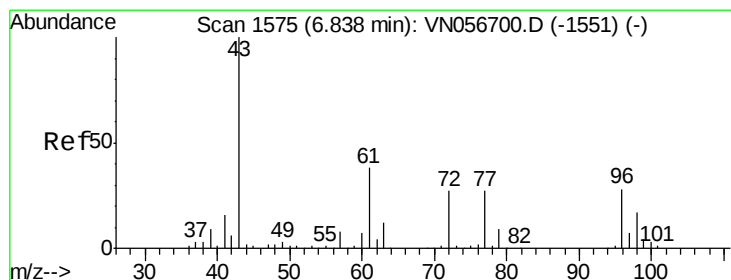
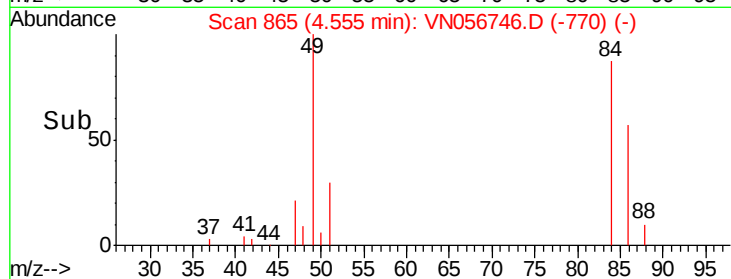
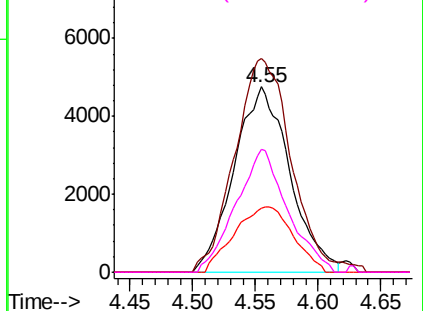
Abundance

Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

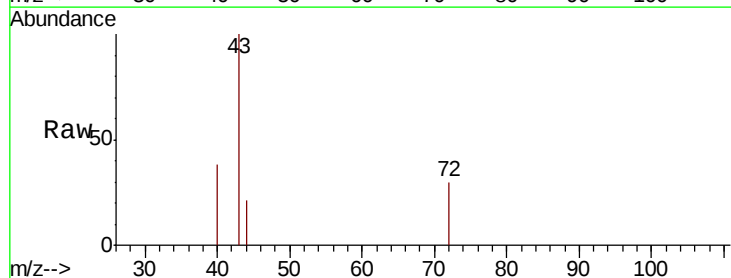
Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#25
2-Butanone
Concen: 1.879 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN056746.D
Acq: 16 Jul 2019 5:13

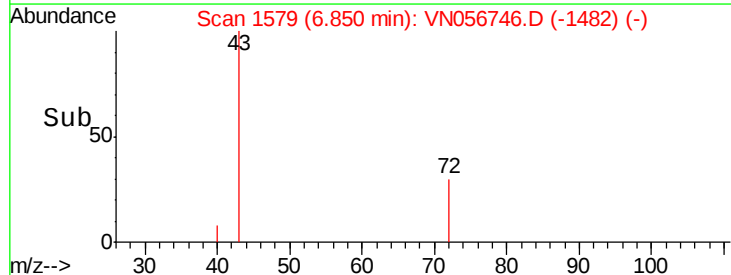
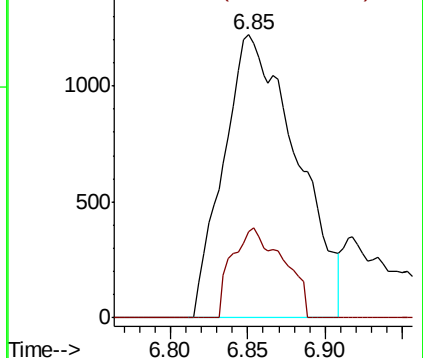
Tgt Ion:	43	Resp:	4005
Ion	Ratio	Lower	Upper
43	100		
72	30.4	21.2	31.8

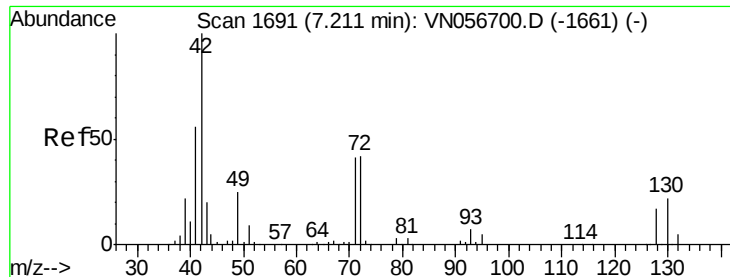


Abundance

Ion 43.00 (42.70 to 43.70): VNO

Ion 72.00 (71.70 to 72.70): VNO





#29

Tetrahydrofuran

Concen: 0.652 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

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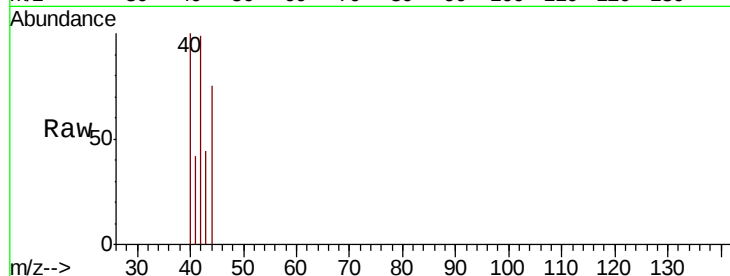
Tot Ion: 42 Resp: 906

Ion Ratio Lower Upper

42 100

72 0.0 33.5 50.3#

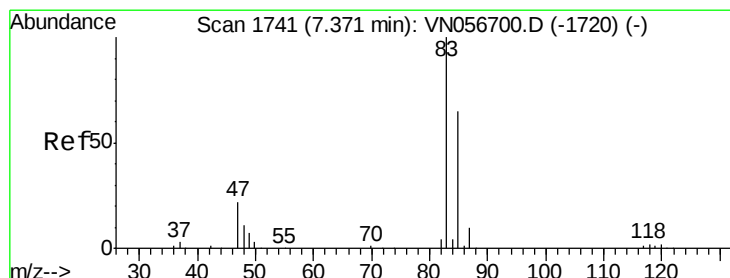
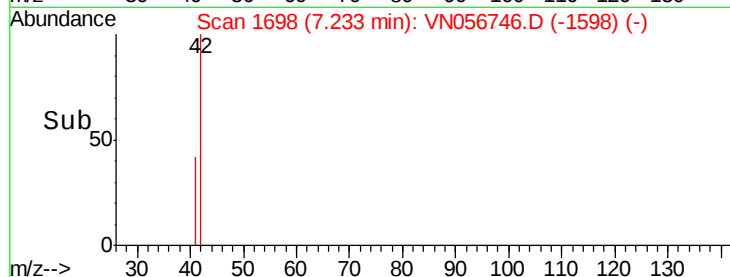
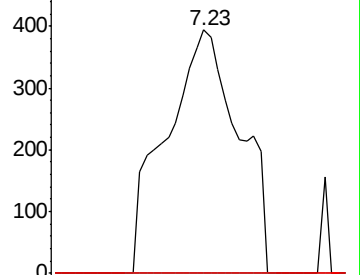
71 0.0 31.8 47.8#



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: 0.296 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VN056746.D

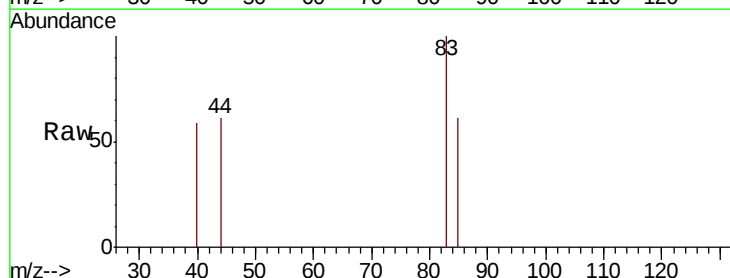
Acq: 16 Jul 2019 5:13

Tgt Ion: 83 Resp: 1575

Ion Ratio Lower Upper

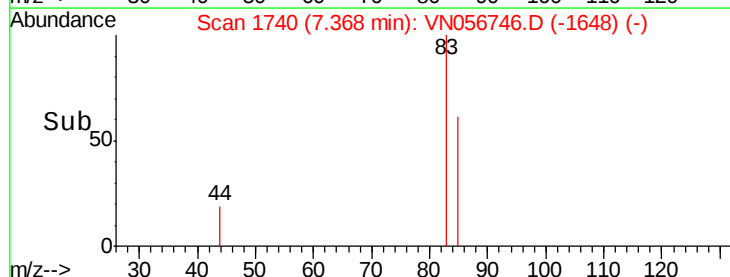
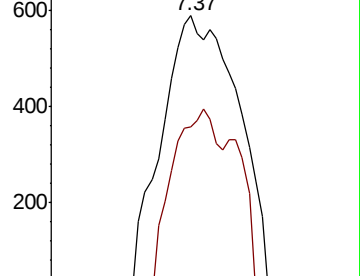
83 100

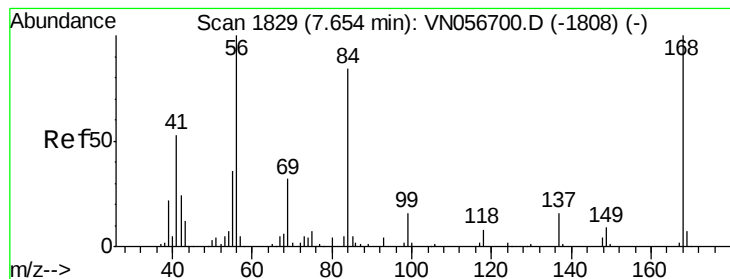
85 60.6 51.9 77.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 1.129 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN056746.D

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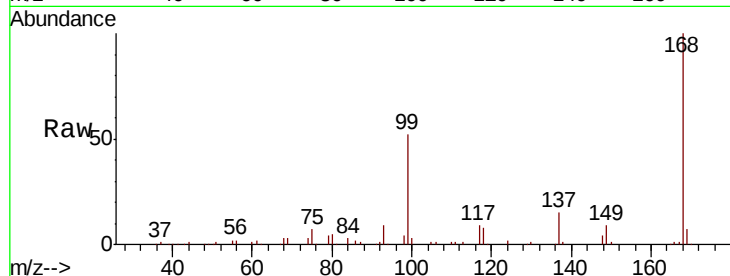
Tot Ion: 56 Resp: 5711

Ion Ratio Lower Upper

56 100

69 149.2 25.8 38.8#

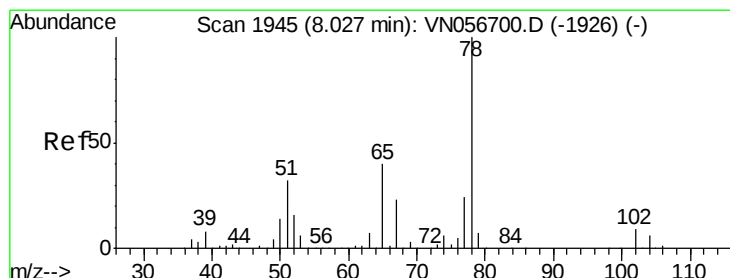
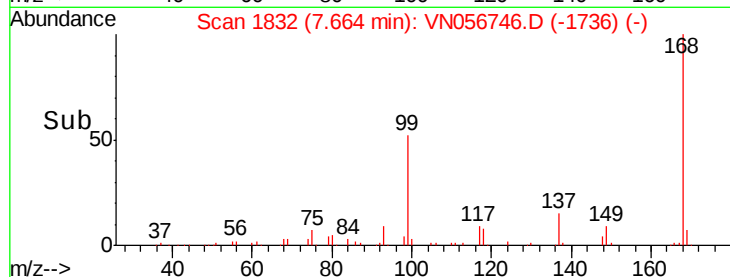
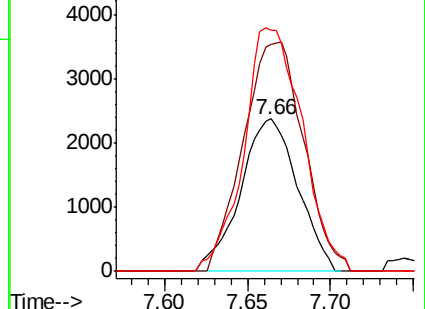
84 158.4 67.4 101.0#



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: 53.133 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN056746.D

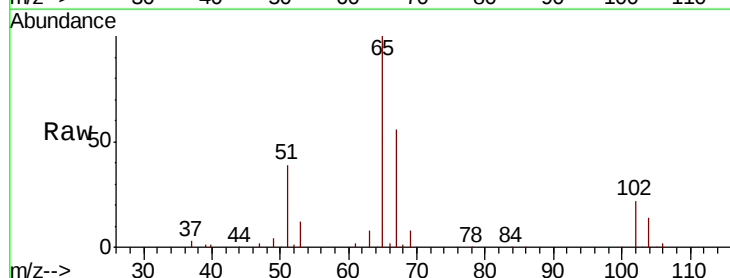
Acq: 16 Jul 2019 5:13

Tgt Ion: 65 Resp: 168134

Ion Ratio Lower Upper

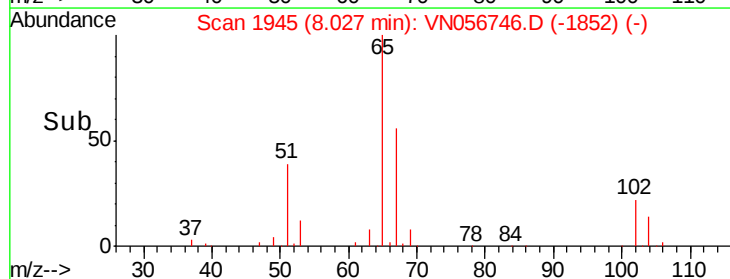
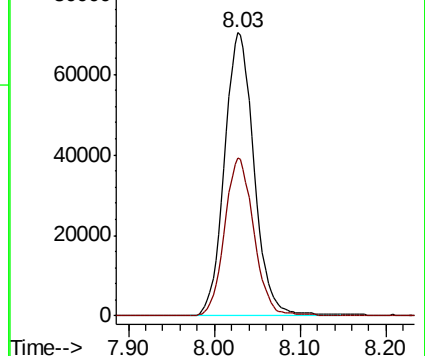
65 100

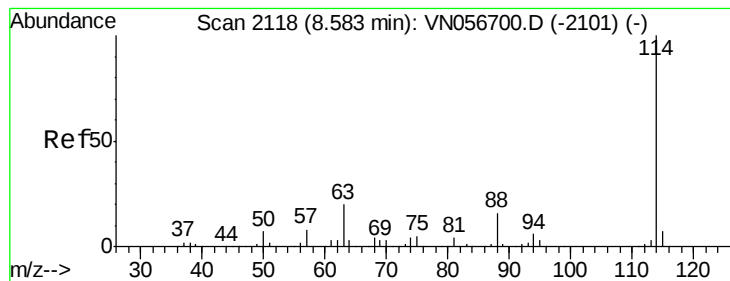
67 55.2 0.0 109.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

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ClientSampleId :

CL-01-071219-B

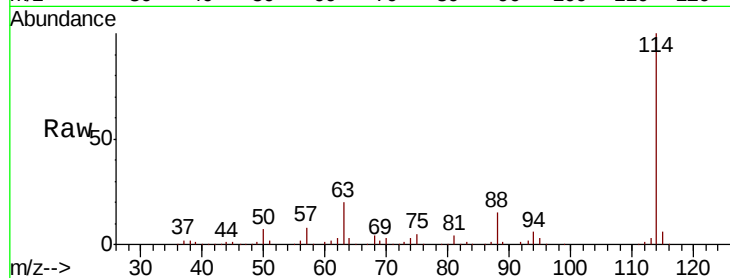
Tot Ion:114 Resp: 516346

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.4

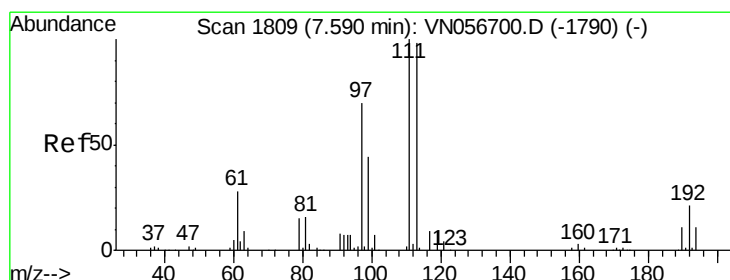
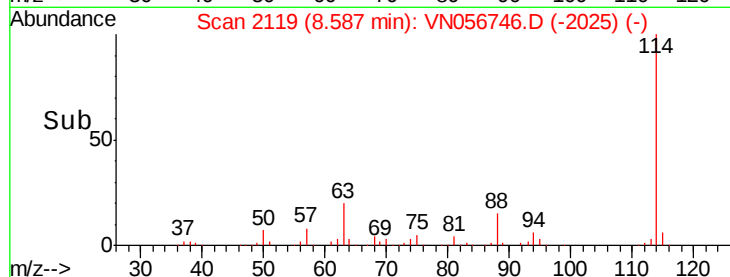
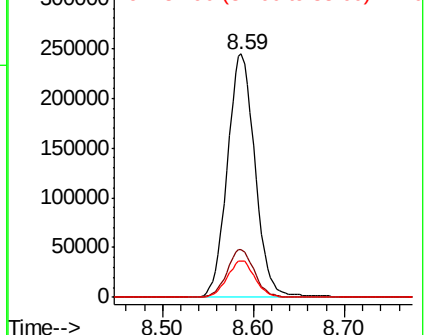
88 15.2 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.551 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

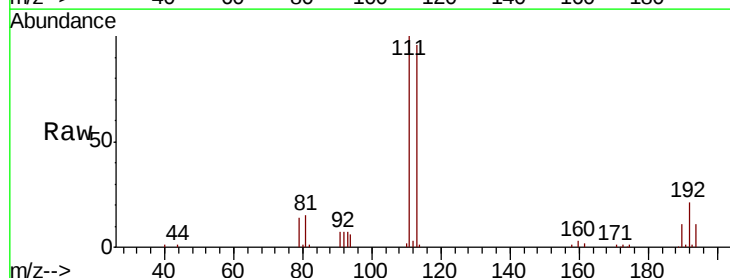
Tgt Ion:113 Resp: 152798

Ion Ratio Lower Upper

113 100

111 102.8 81.8 122.6

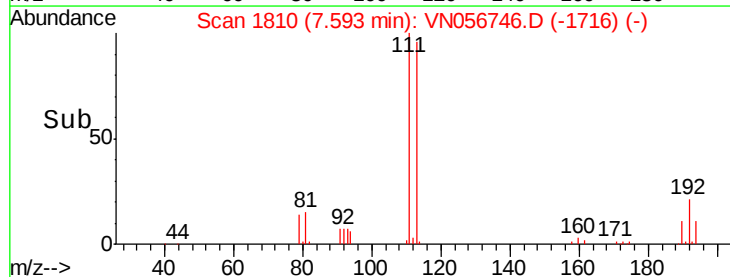
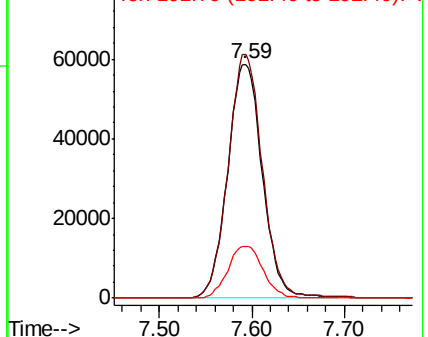
192 22.4 17.5 26.3

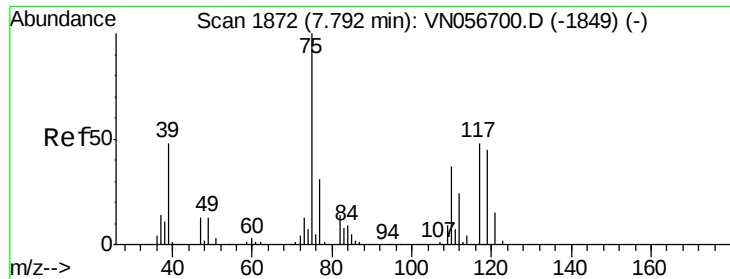


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

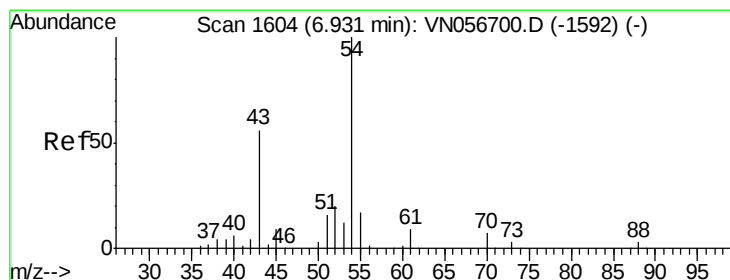
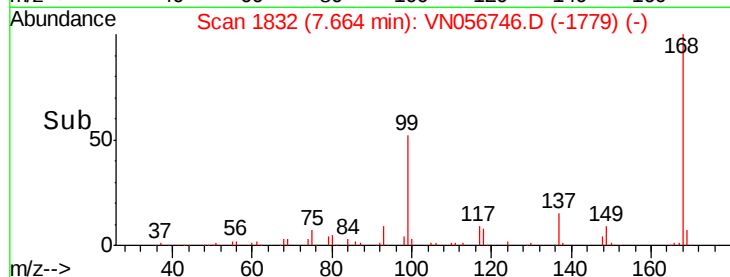
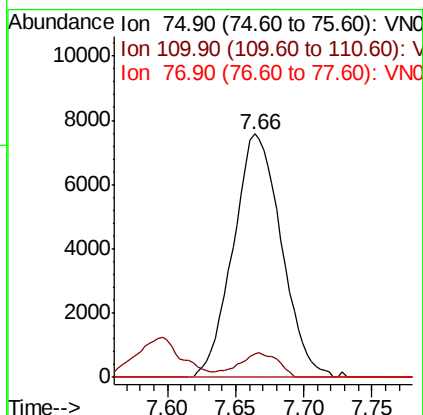
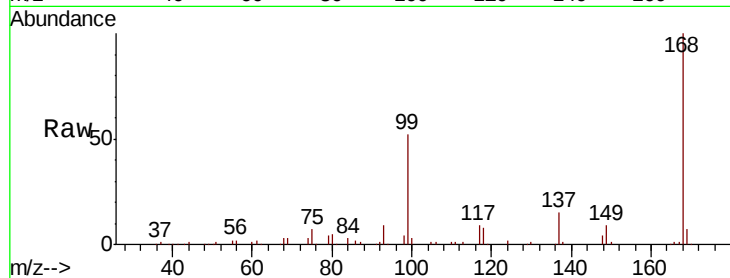




#36
 1,1-Dichloropropene
 Concen: 3.885 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN056746.D
 Acq: 16 Jul 2019 5:13

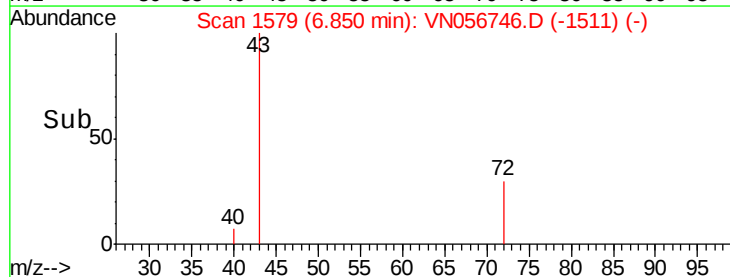
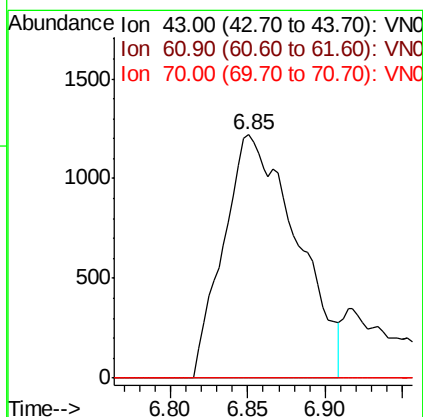
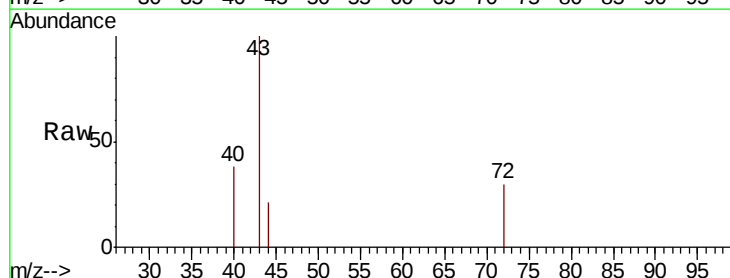
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-071219-B

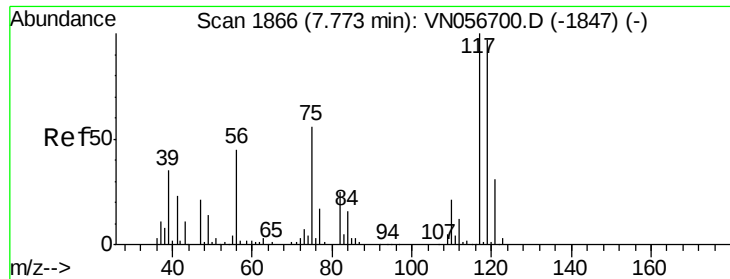
Tot Ion	75	Resp	18565
Ion Ratio	100	Lower	Upper
75	100		
110	8.2	18.4	55.4#
77	0.0	24.6	36.8#



#37
 Ethyl Acetate
 Concen: 0.850 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. -0.08 min
 Lab File: VN056746.D
 Acq: 16 Jul 2019 5:13

Tgt Ion	43	Resp	4005
Ion Ratio	100	Lower	Upper
43	100		
61	0.0	11.3	16.9#
70	0.0	8.5	12.7#





#38

Carbon Tetrachloride

Concen: 5.387 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampled :

CL-01-071219-B

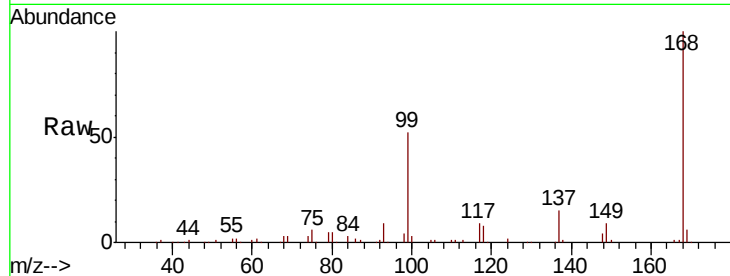
Tot Ion:117 Resp: 24139

Ion Ratio Lower Upper

117 100

119 5.6 77.5 116.3#

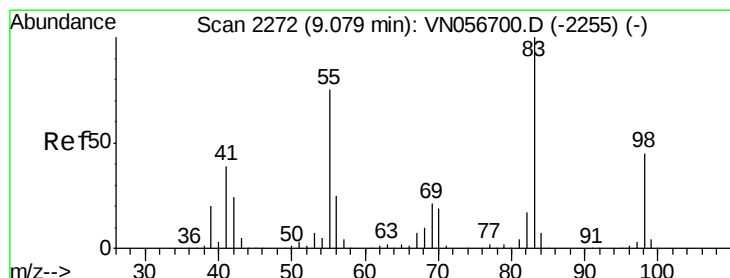
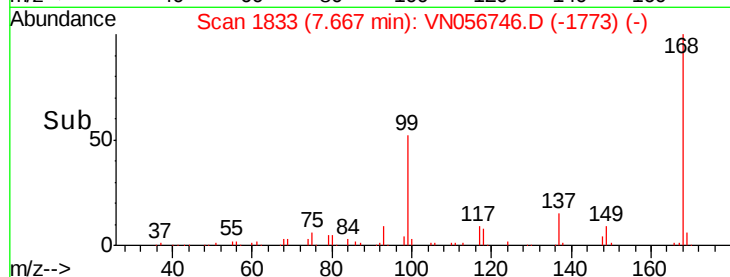
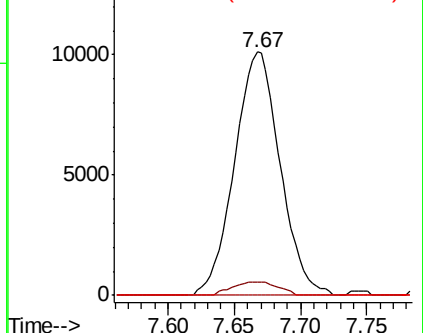
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 2.761 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

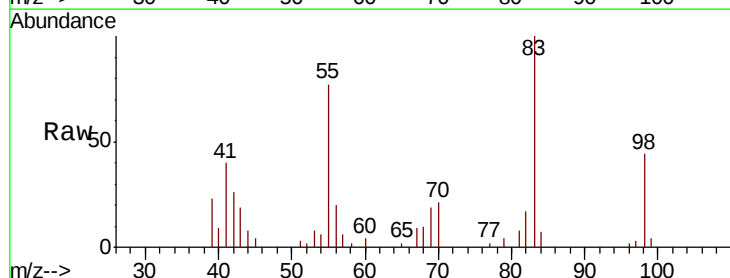
Tgt Ion: 83 Resp: 16291

Ion Ratio Lower Upper

83 100

55 76.9 60.4 90.6

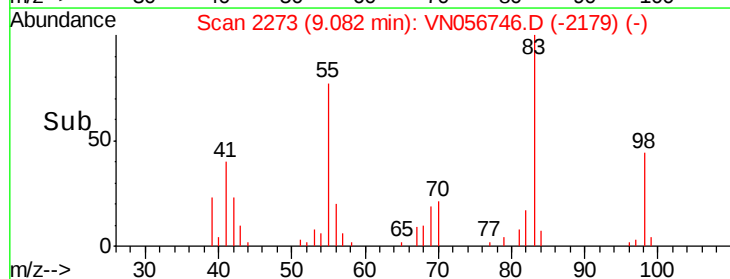
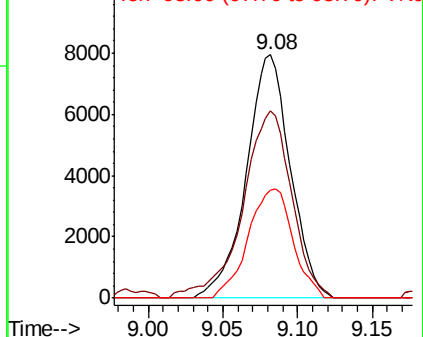
98 44.1 35.8 53.8

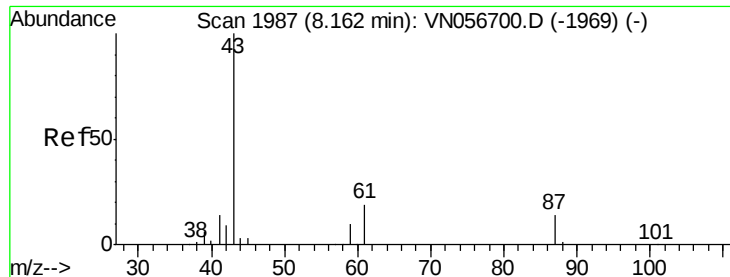


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#43

Isopropyl Acetate

Concen: 1.467 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

CL-01-071219-B

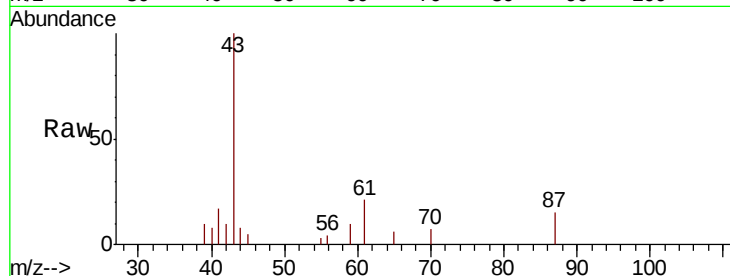
Tot Ion: 43 Resp: 10863

Ion Ratio Lower Upper

43 100

61 24.6 22.3 33.5

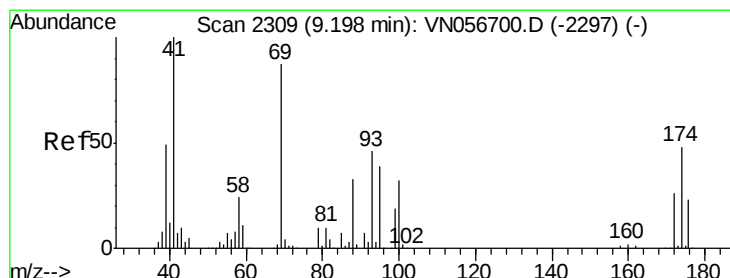
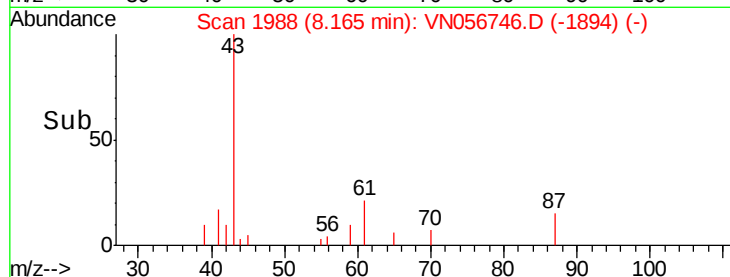
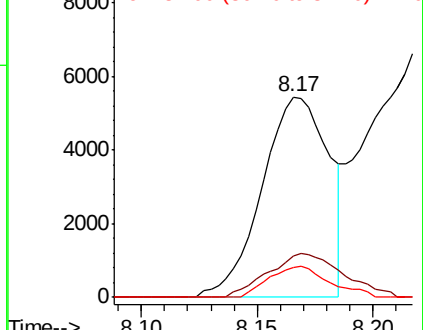
87 14.2 11.1 16.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 2.022 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. -0.01 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

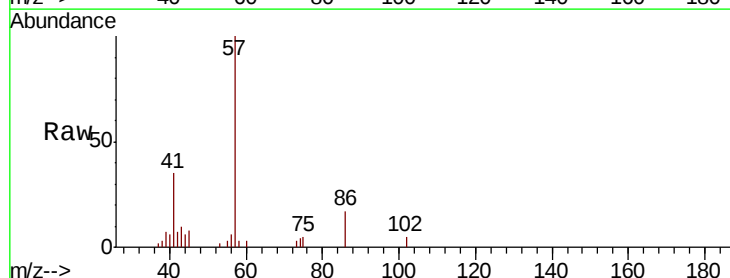
Tgt Ion: 41 Resp: 7241

Ion Ratio Lower Upper

41 100

69 0.0 71.4 107.0#

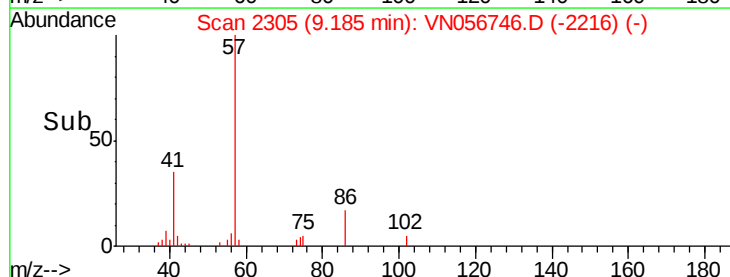
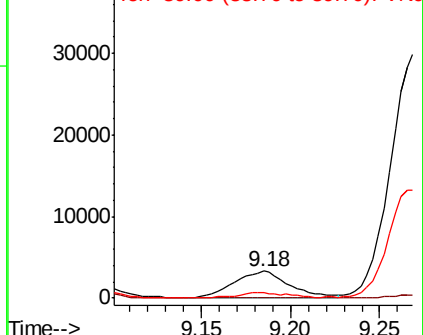
39 17.6 41.2 61.8#

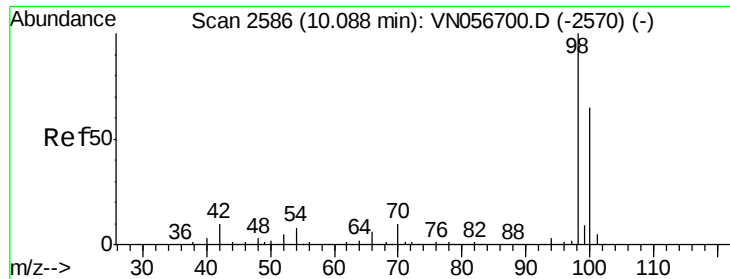


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: 52.242 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

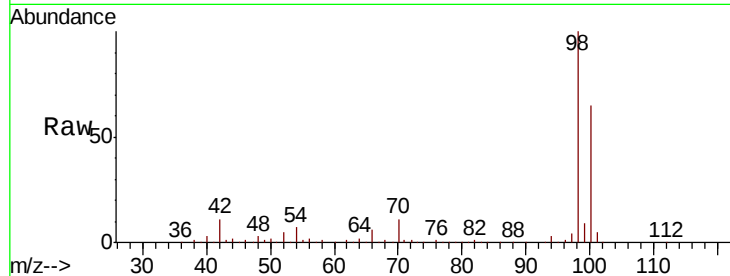
CL-01-071219-B

Tot Ion: 98 Resp: 648361

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN056700.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN056700.D (-2570) (-)

10.09

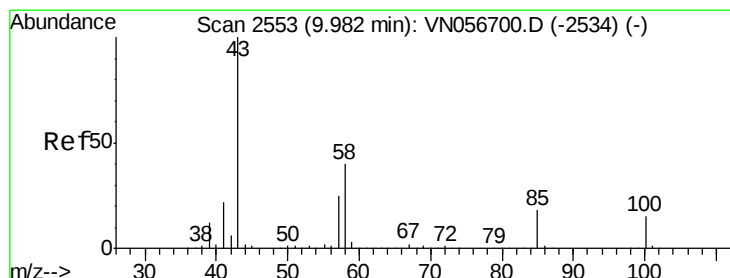
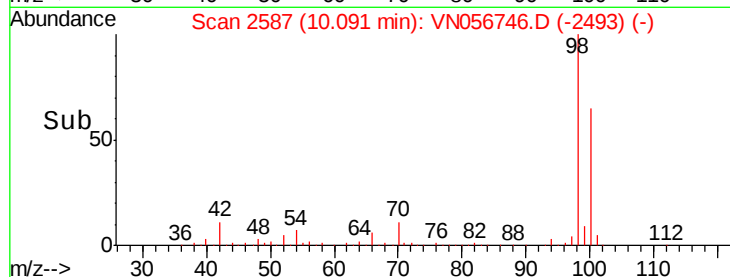
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.766 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN056746.D

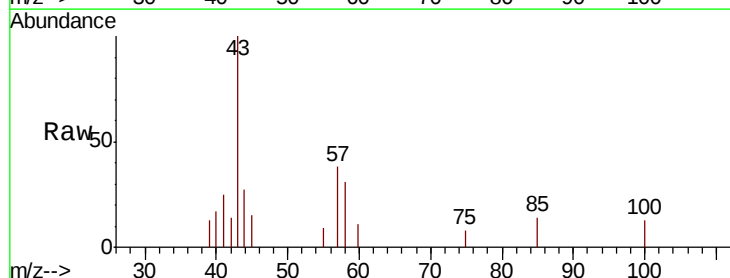
Acq: 16 Jul 2019 5:13

Tgt Ion: 43 Resp: 3672

Ion Ratio Lower Upper

43 100

58 31.7 32.0 48.0#



Abundance Ion 43.00 (42.70 to 43.70): VN056700.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN056700.D (-2534) (-)

4000

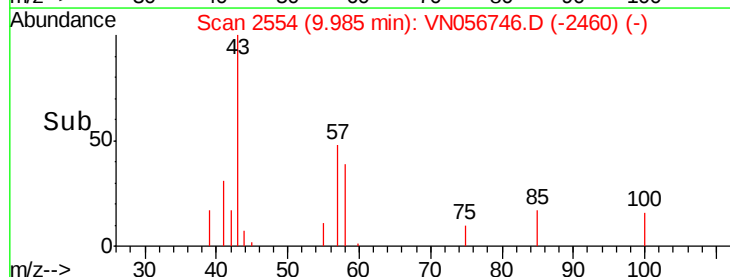
3000

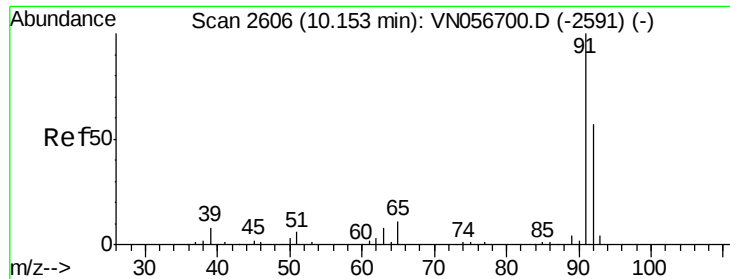
2000

1000

0

Time-->





#52

Toluene

Concen: 0.292 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

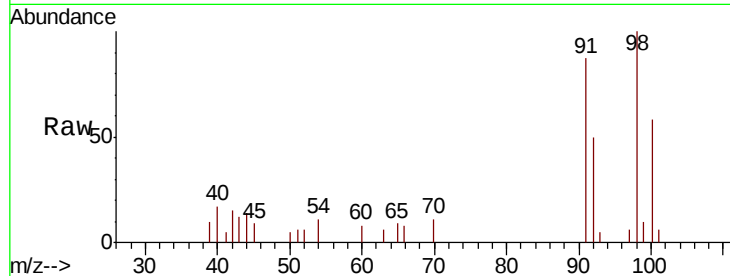
CL-01-071219-B

Tot Ion: 92 Resp: 2535

Ion Ratio Lower Upper

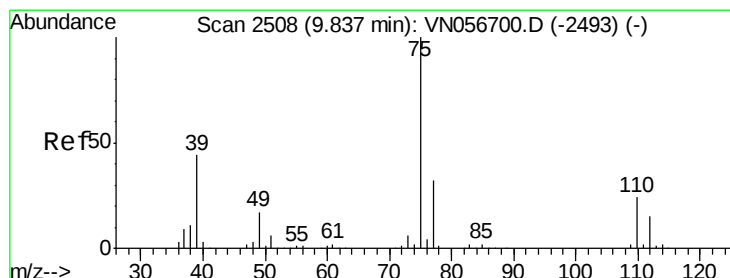
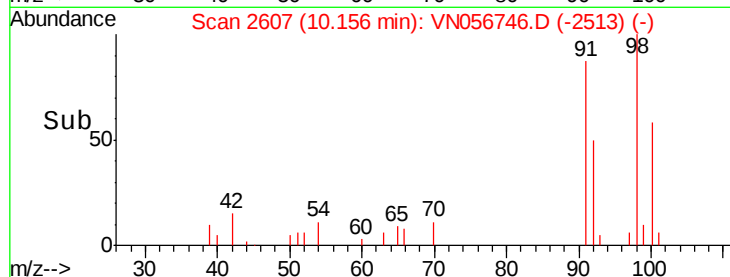
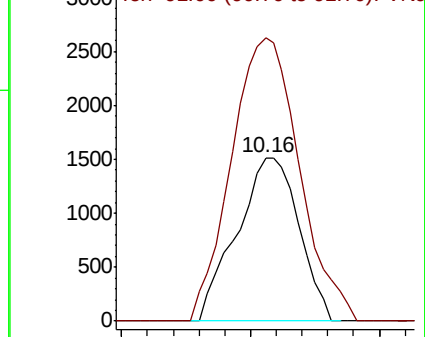
92 100

91 190.5 139.9 209.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 6.983 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.06 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

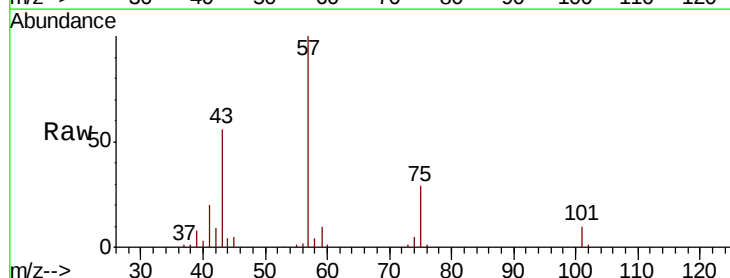
Tgt Ion: 75 Resp: 38730

Ion Ratio Lower Upper

75 100

77 0.0 26.0 39.0#

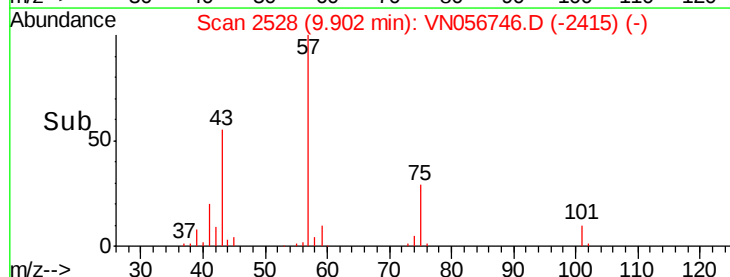
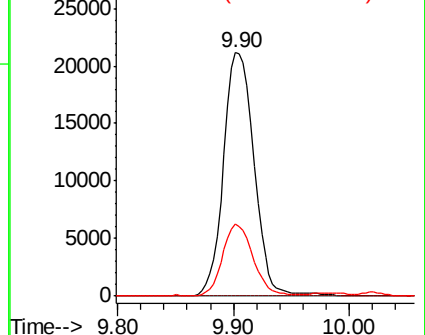
39 29.4 35.1 52.7#

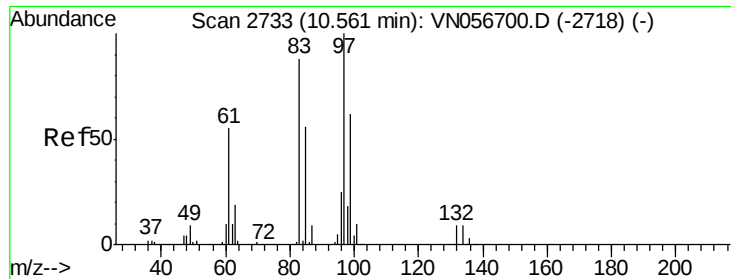


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

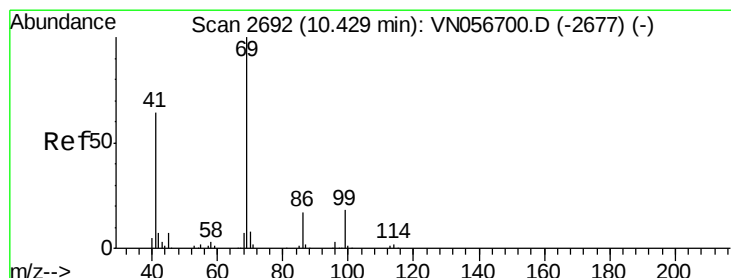
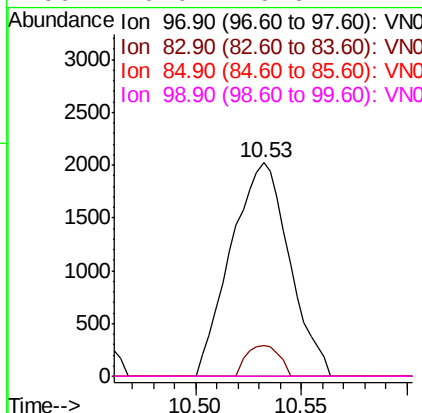
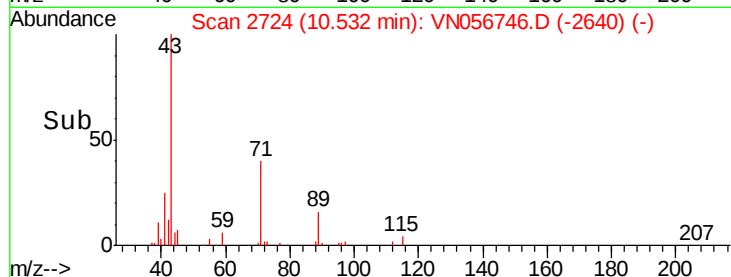
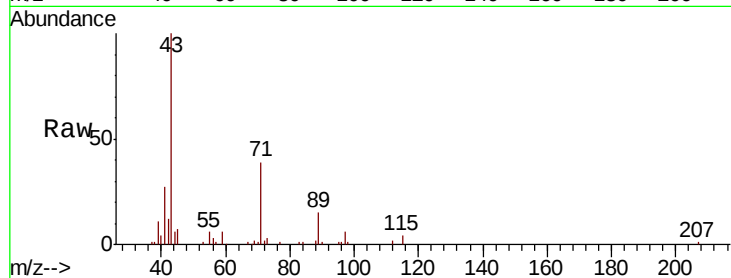




#55
 1,1,2-Trichloroethane
 Concen: 1.068 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN056746.D
 Acq: 16 Jul 2019 5:13

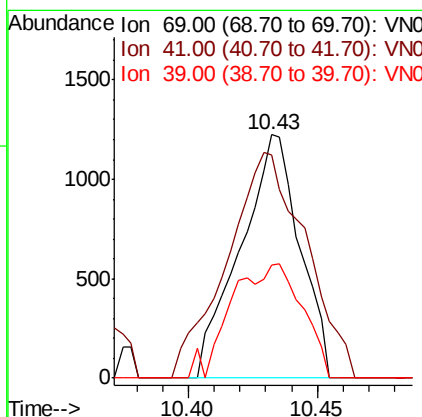
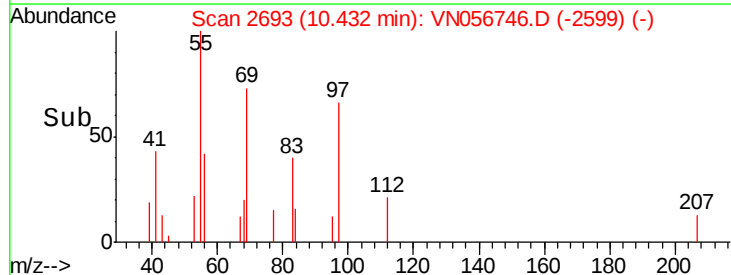
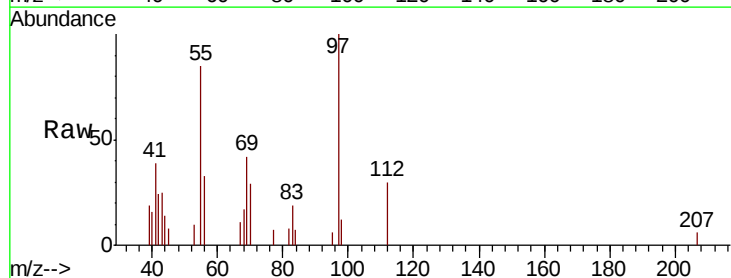
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-071219-B

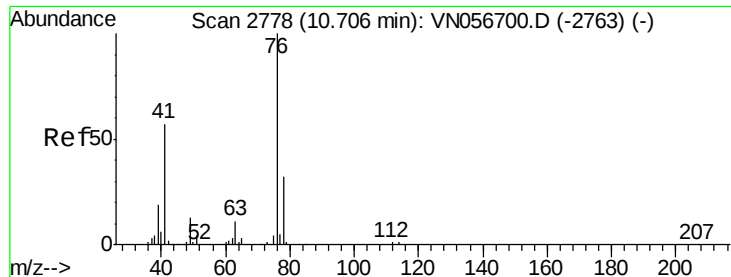
Tot Ion: 97 Resp: 3895
 Ion Ratio Lower Upper
 97 100
 83 14.3 70.3 105.5#
 85 0.0 44.8 67.2#
 99 0.0 49.6 74.4#



#56
 Ethyl methacrylate
 Concen: 0.376 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN056746.D
 Acq: 16 Jul 2019 5:13

Tgt Ion: 69 Resp: 1971
 Ion Ratio Lower Upper
 69 100
 41 122.6 51.0 76.4#
 39 56.1 24.6 36.8#

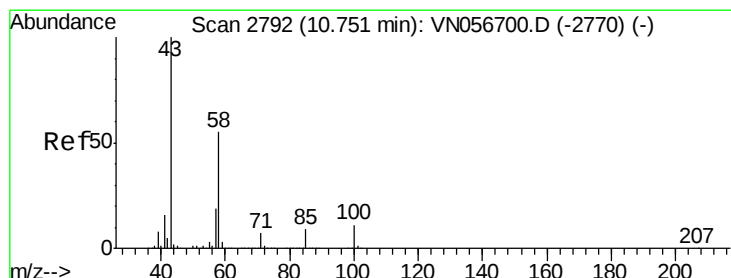
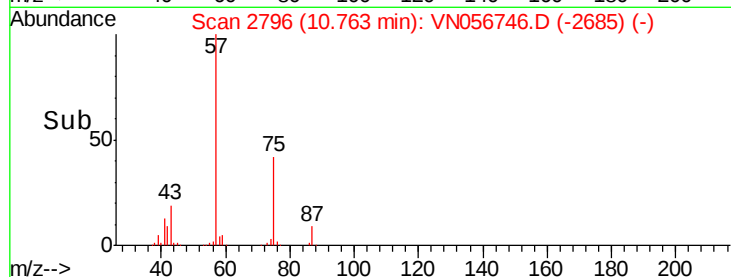
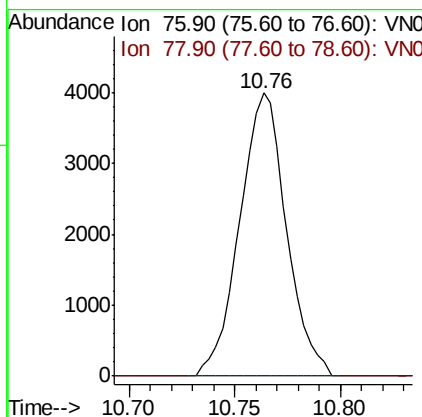
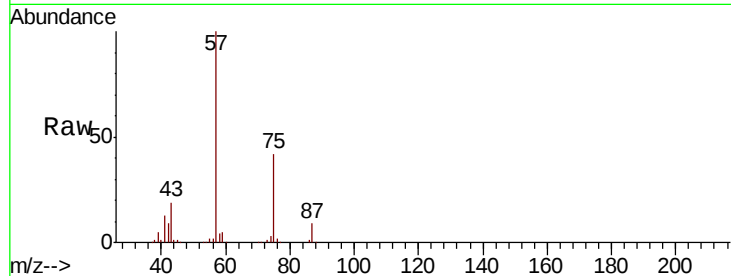




#57
 1,3-Dichloropropane
 Concen: 1.031 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.06 min
 Lab File: VN056746.D
 Acq: 16 Jul 2019 5:13

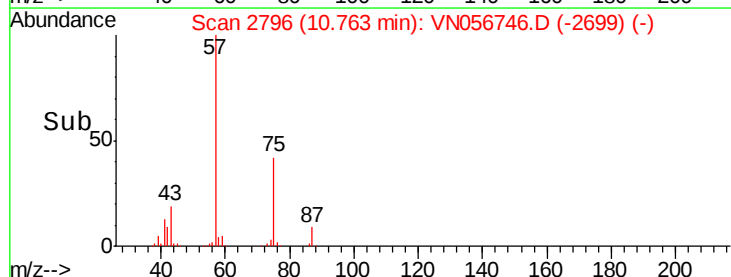
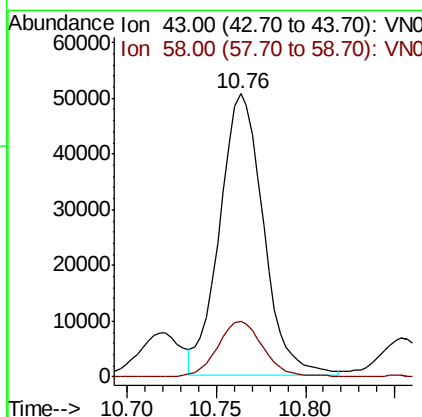
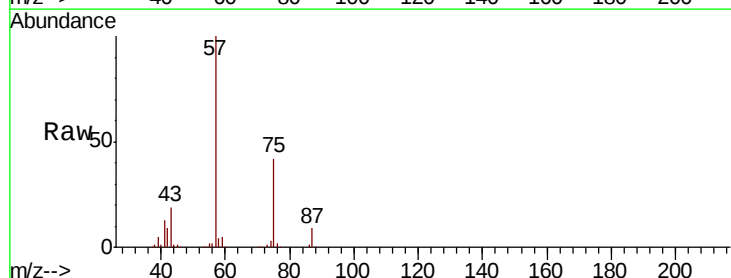
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-071219-B

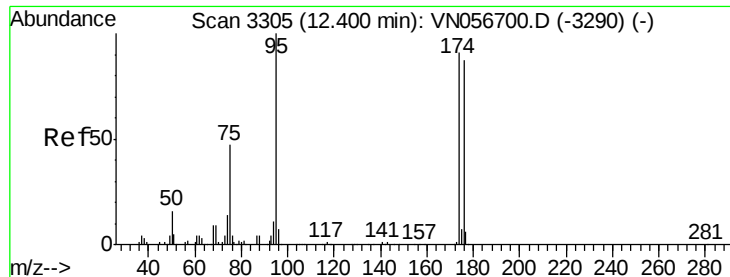
Tot Ion: 76 Resp: 6143
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#



#59
 2-Hexanone
 Concen: 24.944 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN056746.D
 Acq: 16 Jul 2019 5:13

Tgt Ion: 43 Resp: 85822
 Ion Ratio Lower Upper
 43 100
 58 20.8 27.9 83.6#





#62

4-Bromofluorobenzene

Concen: 61.361 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

CL-01-071219-B

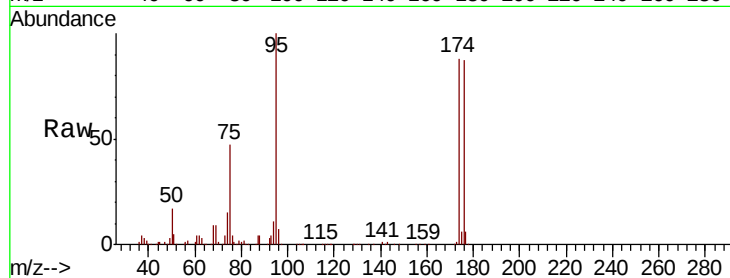
Tot Ion: 95 Resp: 256813

Ion Ratio Lower Upper

95 100

174 88.8 0.0 180.0

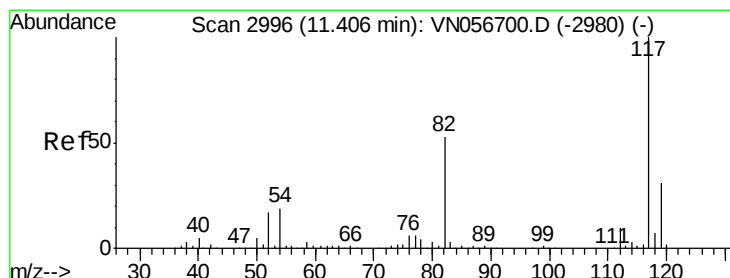
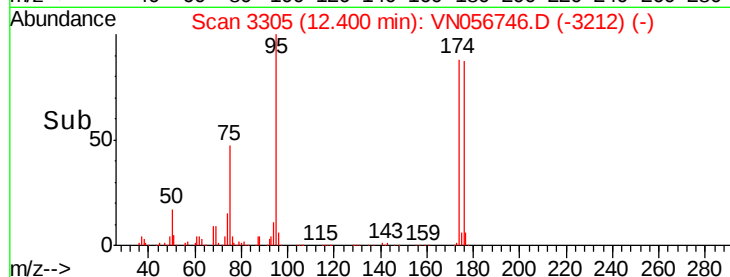
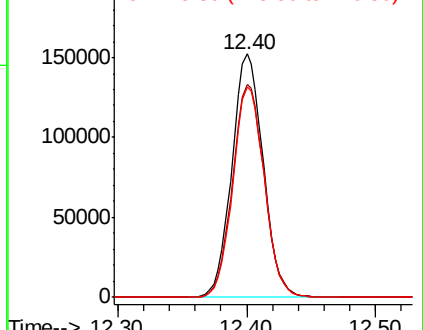
176 86.9 0.0 173.2



Abundance Ion 94.90 (94.60 to 95.60): VN056746.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN056746.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN056746.D (-3212) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

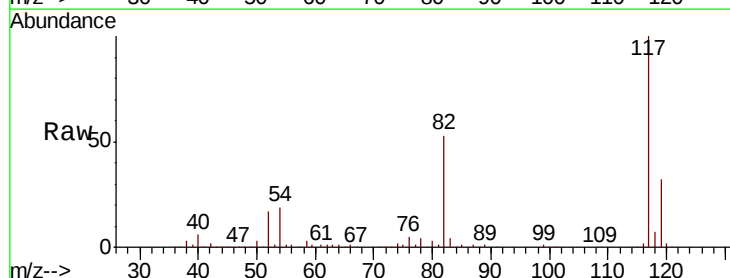
Tgt Ion: 117 Resp: 553527

Ion Ratio Lower Upper

117 100

82 53.4 42.2 63.2

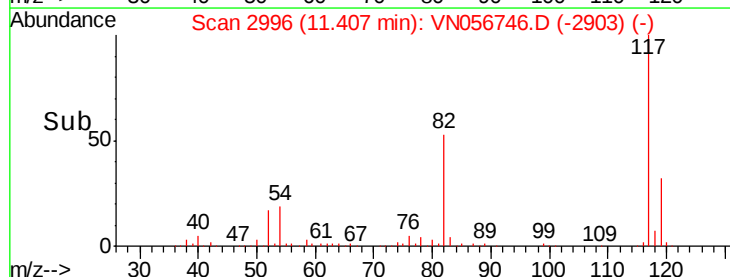
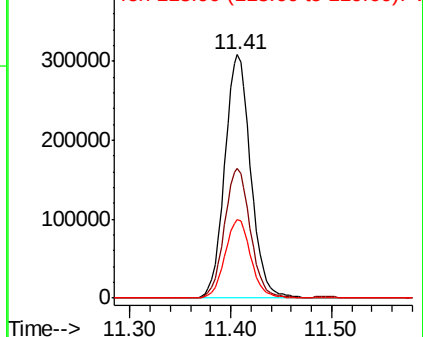
119 32.4 25.2 37.8

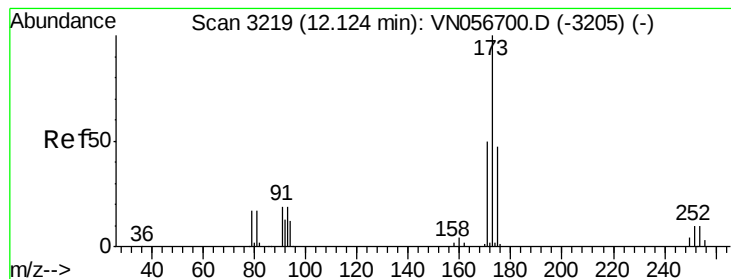


Abundance Ion 116.90 (116.60 to 117.60): VN056746.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN056746.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN056746.D (-2903) (-)





#71

Bromoform

Concen: 0.656 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampled :

CL-01-071219-B

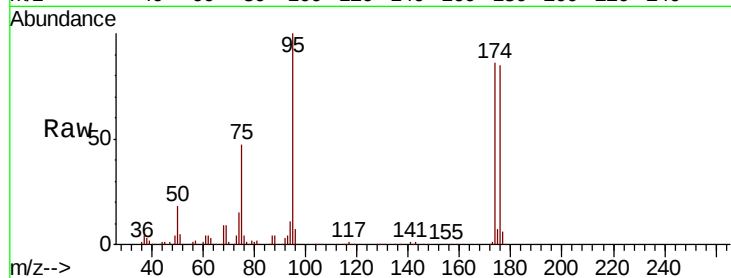
Tot Ion:173 Resp: 2079

Ion Ratio Lower Upper

173 100

175 664.7 23.8 71.4#

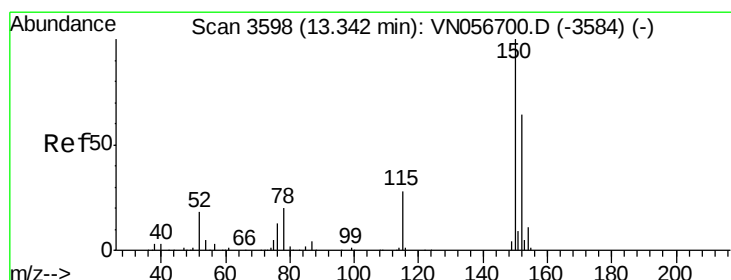
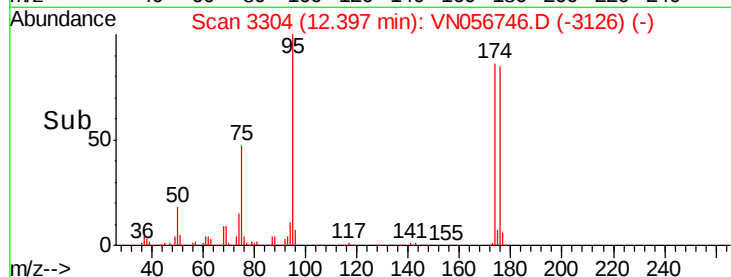
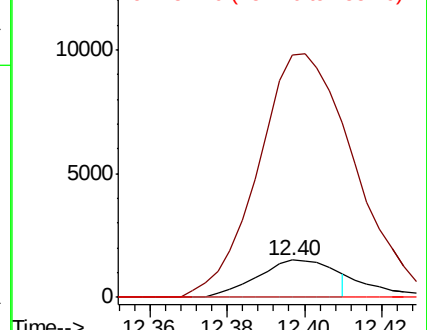
254 0.0 0.0 0.0



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

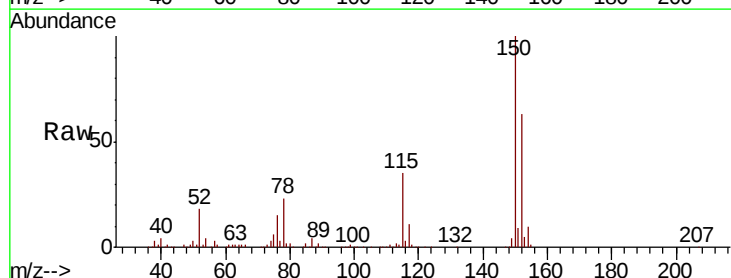
Tgt Ion:152 Resp: 244484

Ion Ratio Lower Upper

152 100

115 56.6 28.2 84.7

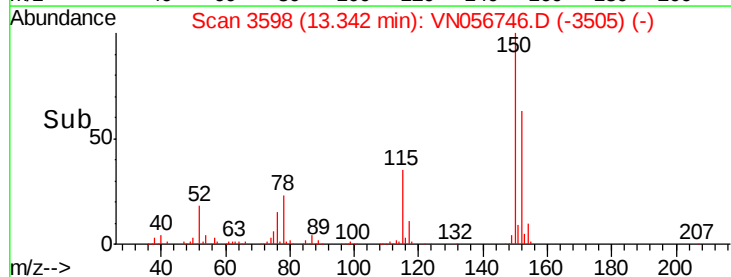
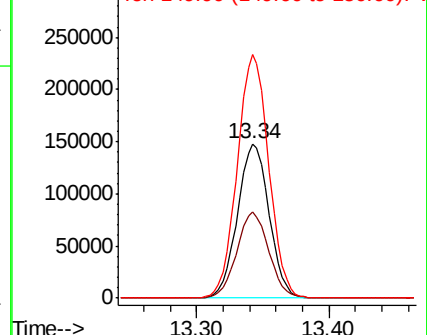
150 157.0 0.0 345.8

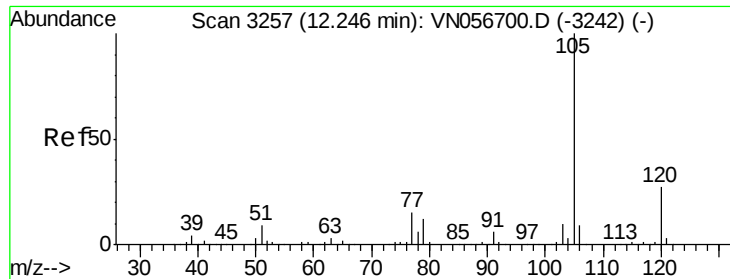


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.511 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

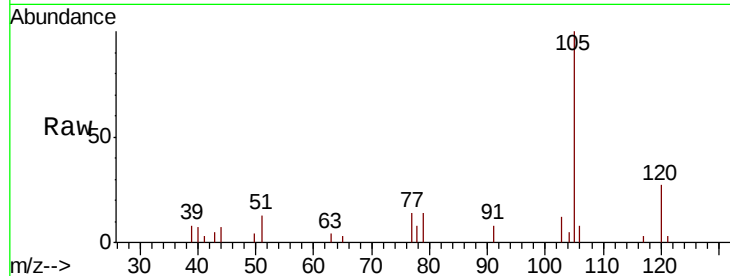
CL-01-071219-B

Tot Ion: 105 Resp: 10082

Ion Ratio Lower Upper

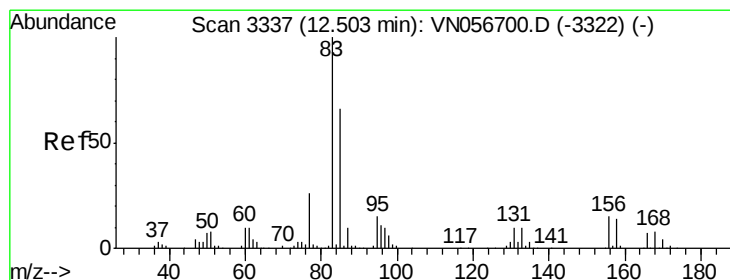
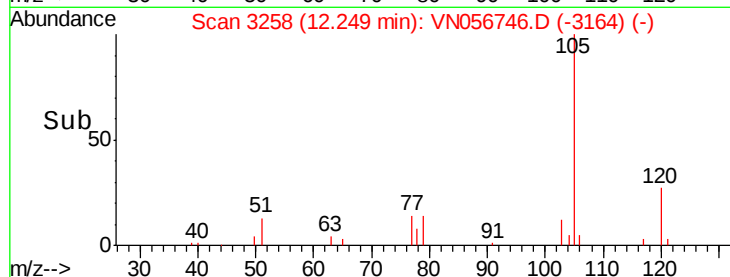
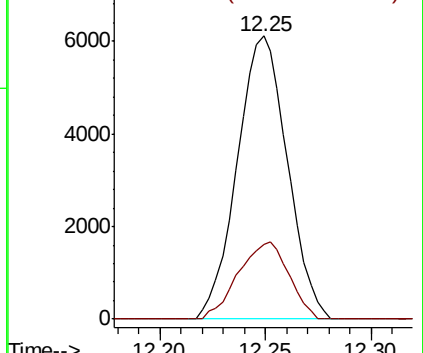
105 100

120 27.5 13.4 40.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

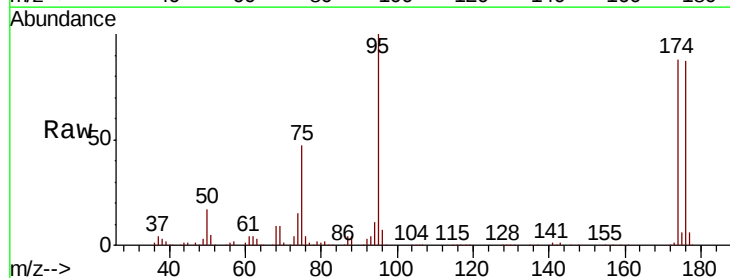
Tgt Ion: 83 Resp: 109

Ion Ratio Lower Upper

83 100

131 195.4 5.3 15.8#

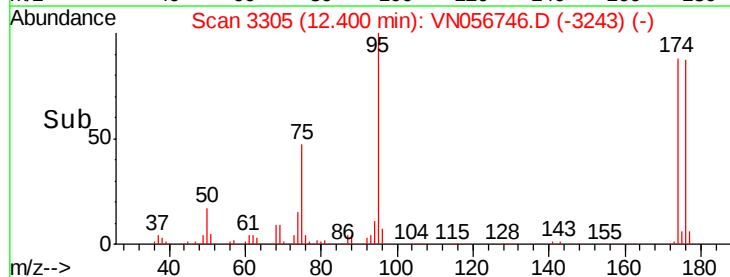
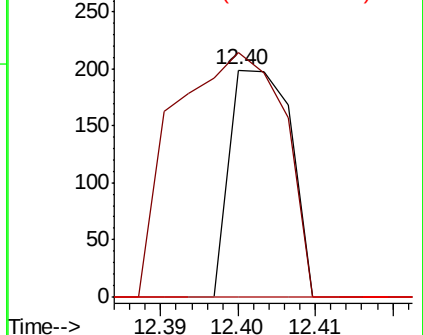
85 0.0 32.6 97.8#

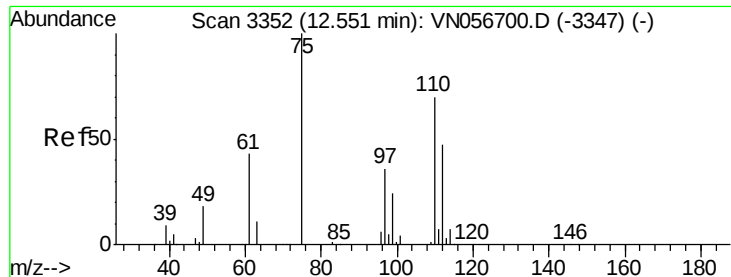


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 22.064 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

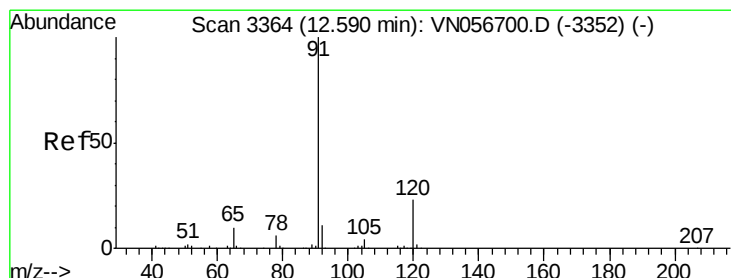
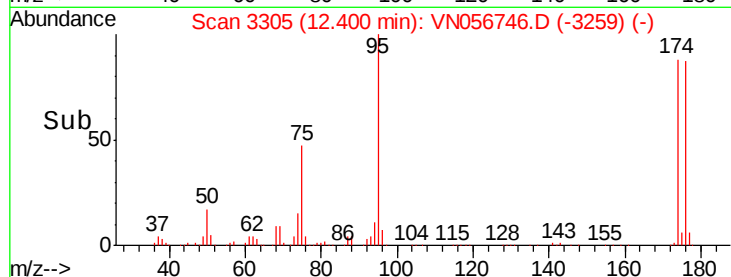
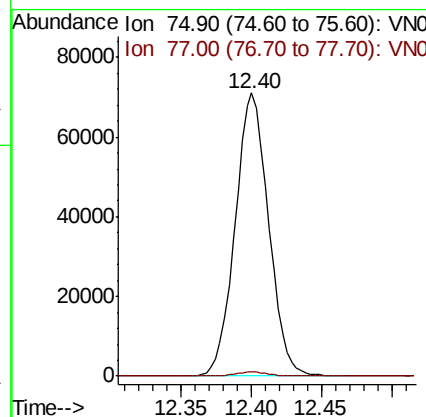
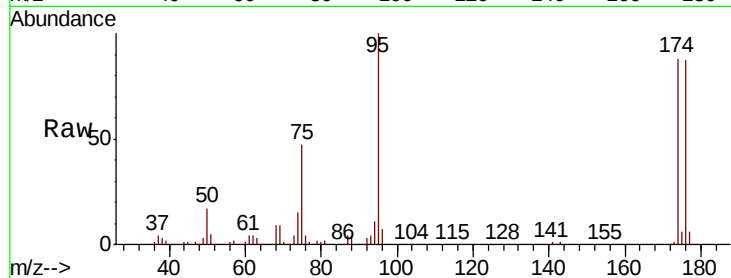
CL-01-071219-B

Tot Ion: 75 Resp: 117983

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#78

n-propylbenzene

Concen: 0.744 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN056746.D

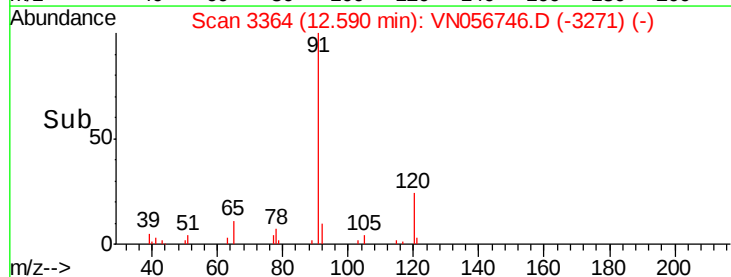
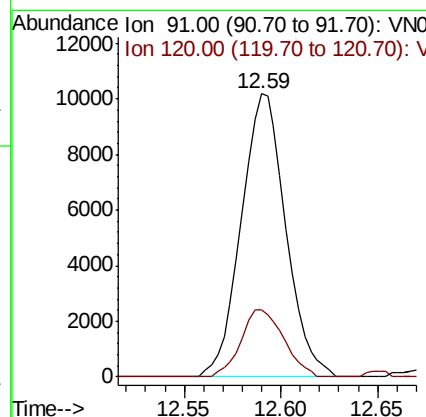
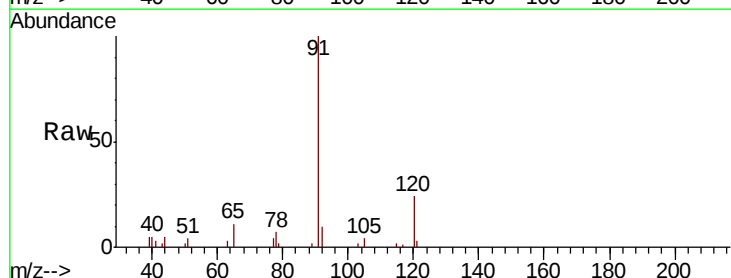
Acq: 16 Jul 2019 5:13

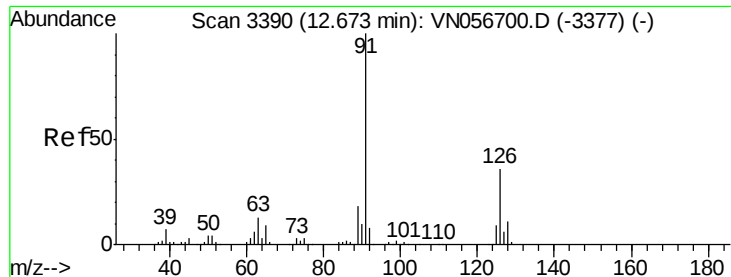
Tgt Ion: 91 Resp: 16278

Ion Ratio Lower Upper

91 100

120 22.8 11.8 35.3





#79

2-Chlorotoluene

Concen: Below Cal

RT: 12.73 min Scan# 3408

Delta R.T. 0.06 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

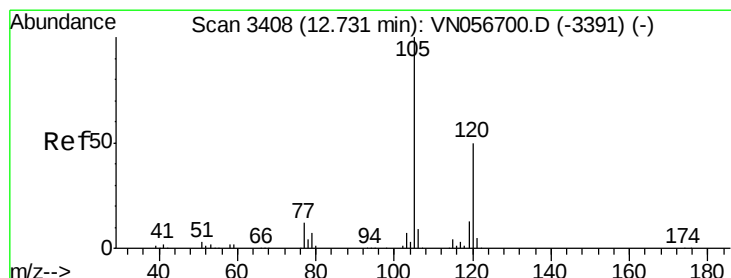
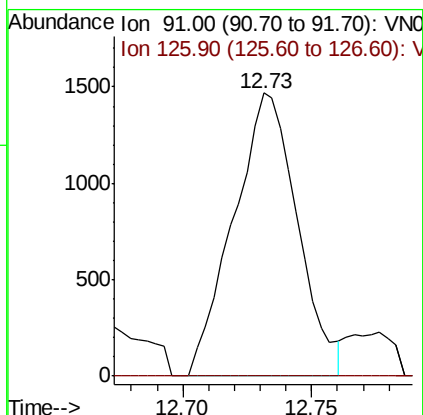
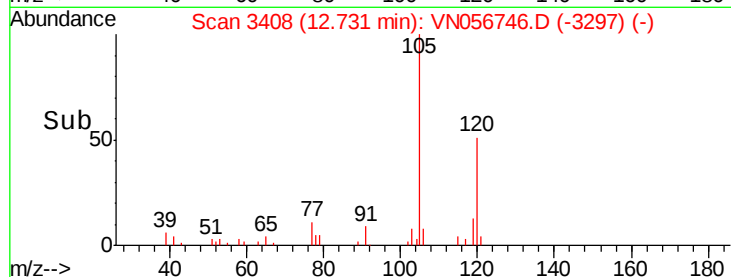
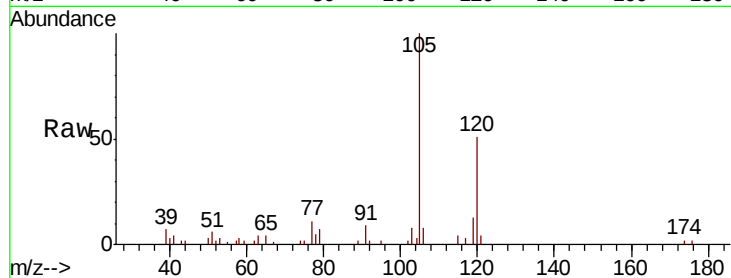
CL-01-071219-B

Tot Ion: 91 Resp: 2544

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#



#80

1,3,5-Trimethylbenzene

Concen: 1.524 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN056746.D

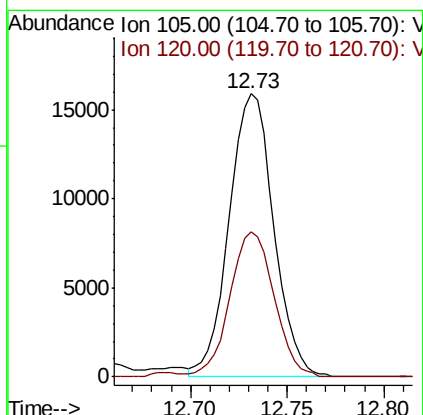
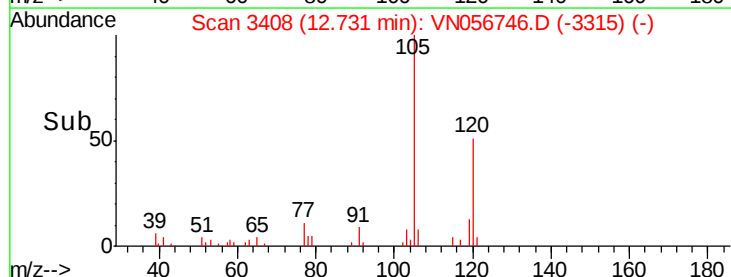
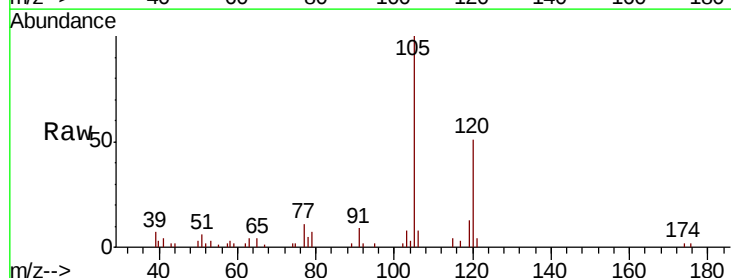
Acq: 16 Jul 2019 5:13

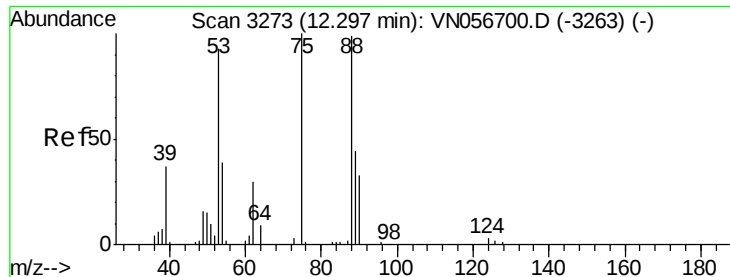
Tgt Ion: 105 Resp: 25462

Ion Ratio Lower Upper

105 100

120 50.8 24.8 74.3





#81

trans-1,4-Dichloro-2-butene

Concen: 68.142 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

CL-01-071219-B

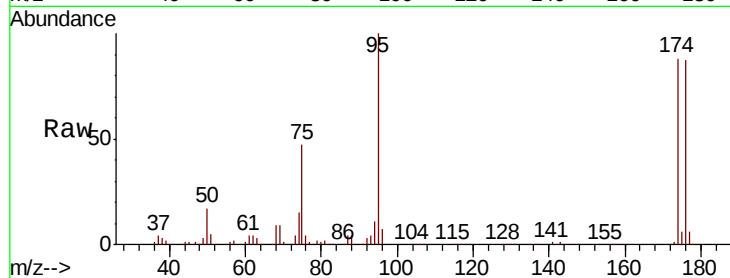
Tot Ion: 75 Resp: 117983

Ion Ratio Lower Upper

75 100

53 0.0 73.7 110.5#

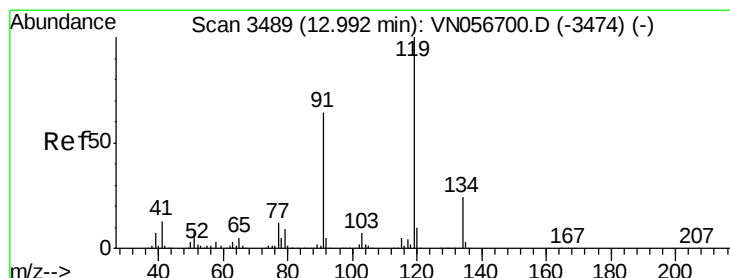
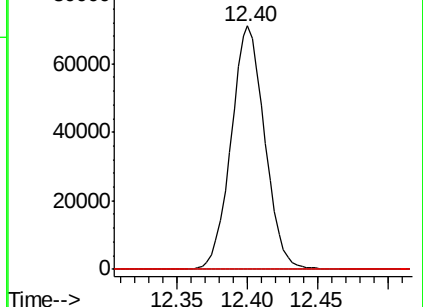
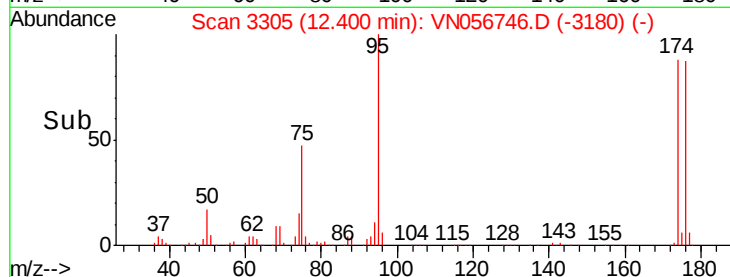
89 0.0 36.2 54.2#



Abundance Ion 74.90 (74.60 to 75.60): VN056746.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN056746.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN056746.D (-3180) (-)



#83

tert-Butylbenzene

Concen: Below Cal

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

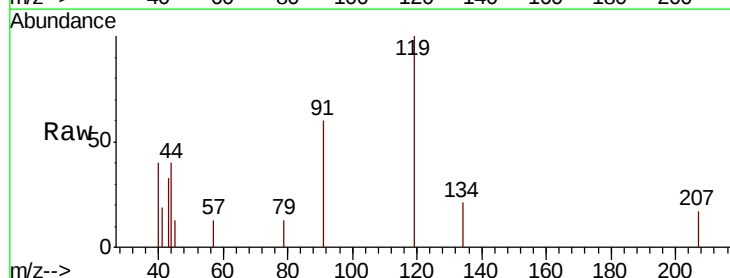
Tgt Ion: 119 Resp: 1907

Ion Ratio Lower Upper

119 100

91 70.6 31.8 95.4

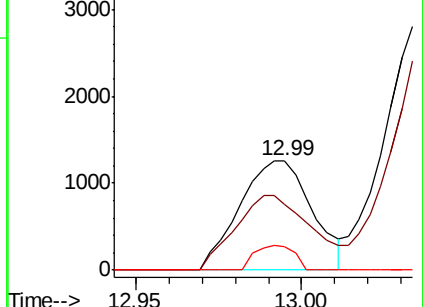
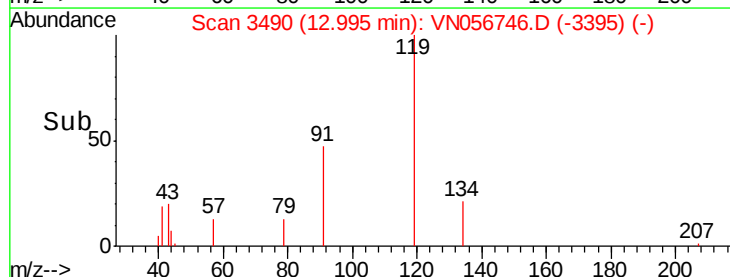
134 12.1 13.0 38.9#

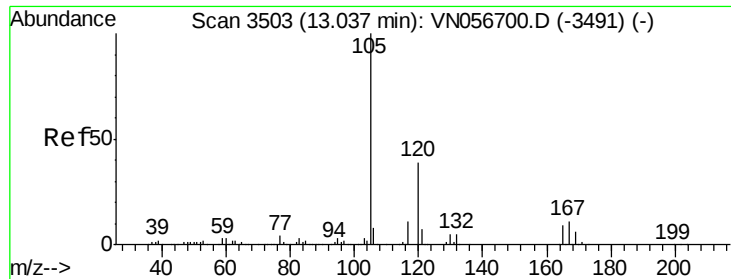


Abundance Ion 119.00 (118.70 to 119.70): VN056746.D (-3395) (-)

Ion 91.00 (90.70 to 91.70): VN056746.D (-3395) (-)

Ion 134.00 (133.70 to 134.70): VN056746.D (-3395) (-)

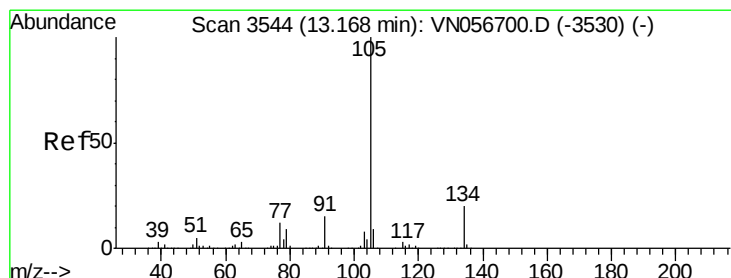
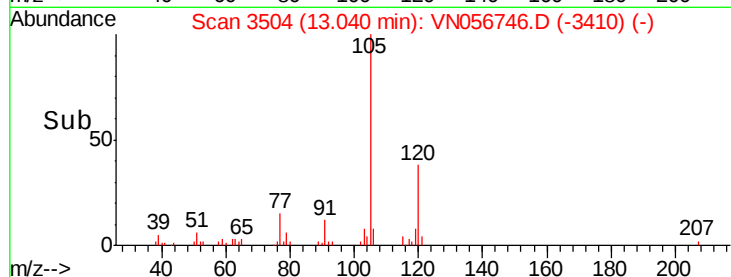
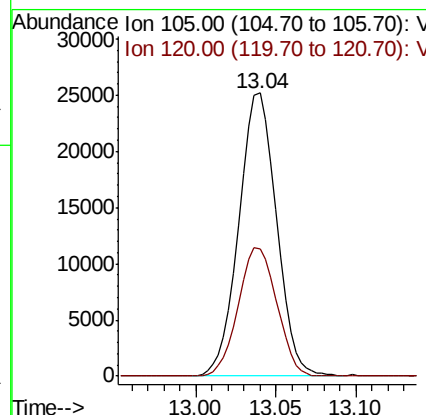
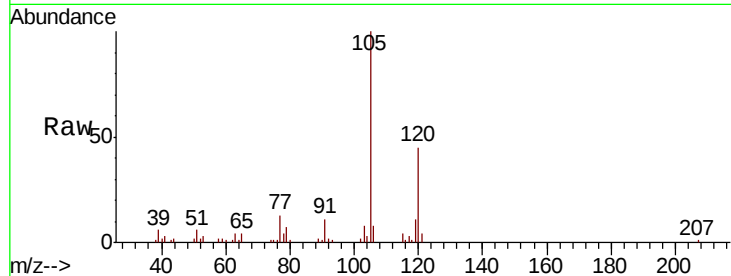




#84
 1,2,4-Trimethylbenzene
 Concen: 2.470 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN056746.D
 Acq: 16 Jul 2019 5:13

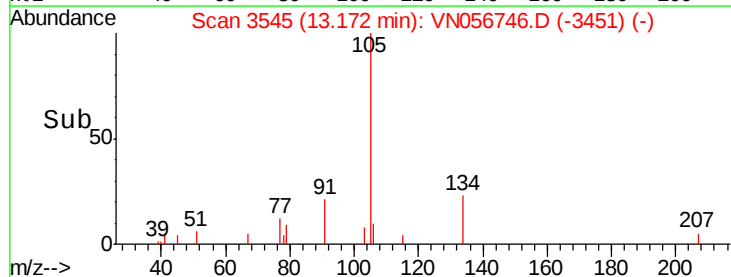
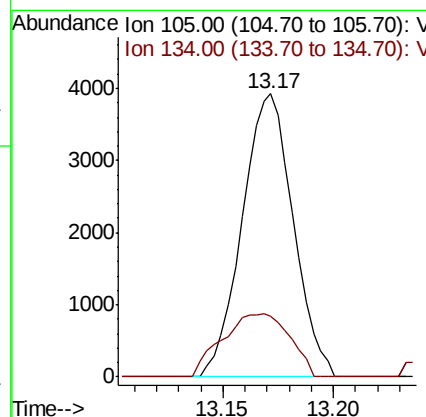
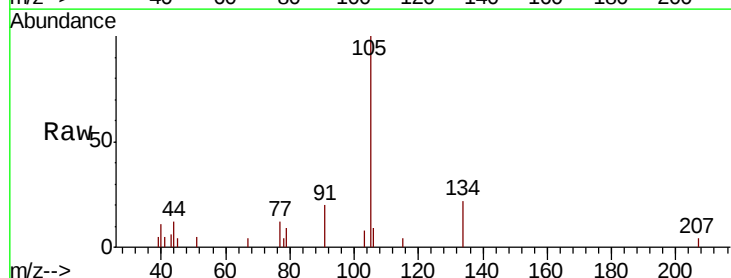
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-071219-B

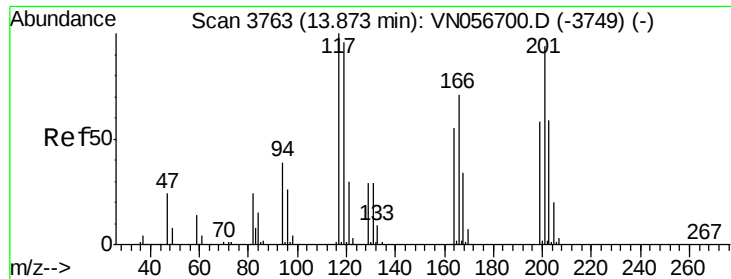
Tot Ion:105 Resp: 40314
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.9 68.8



#85
 sec-Butylbenzene
 Concen: 0.340 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN056746.D
 Acq: 16 Jul 2019 5:13

Tgt Ion:105 Resp: 6311
 Ion Ratio Lower Upper
 105 100
 134 29.3 10.1 30.1





#90

Hexachloroethane

Concen: 0.453 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

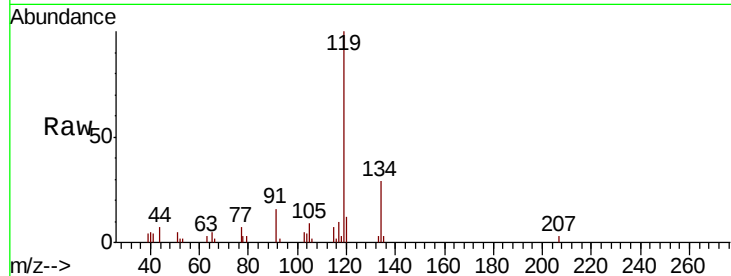
CL-01-071219-B

Tot Ion:117 Resp: 1233

Ion Ratio Lower Upper

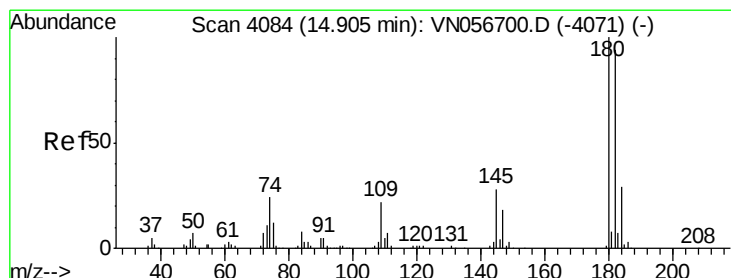
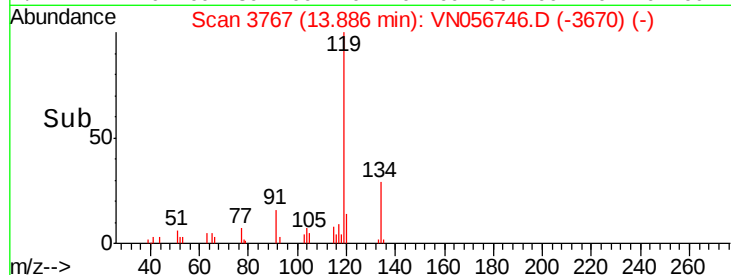
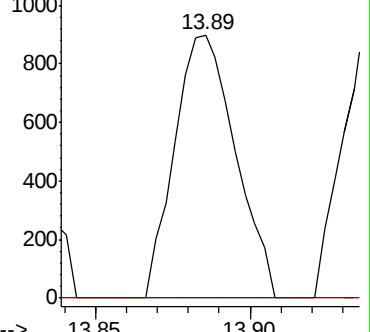
117 100

201 0.0 46.5 139.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#93

1,2,4-Trichlorobenzene

Concen: 3.697 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

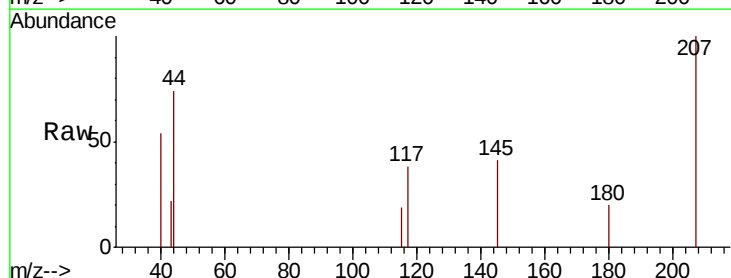
Tgt Ion:180 Resp: 30

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

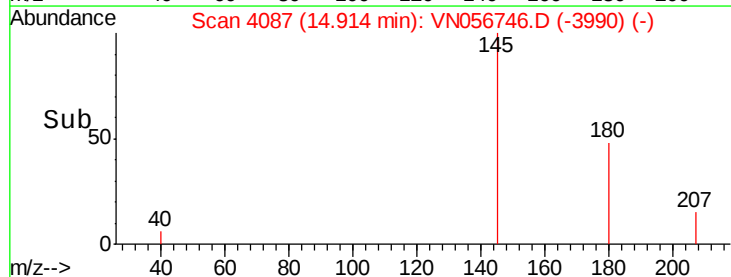
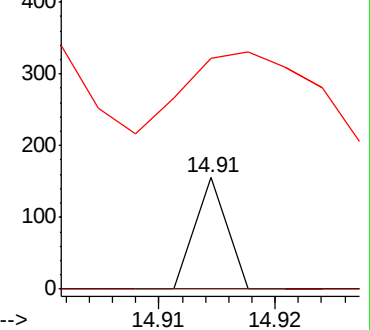
145 1103.3 14.2 42.8#

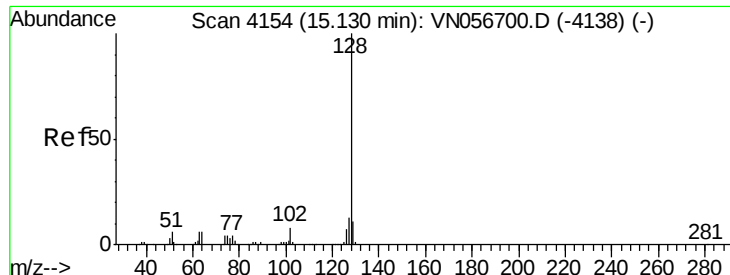


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 5.208 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN056746.D

Acq: 16 Jul 2019 5:13

Instrument :

MSVOA_N

ClientSampleId :

CL-01-071219-B

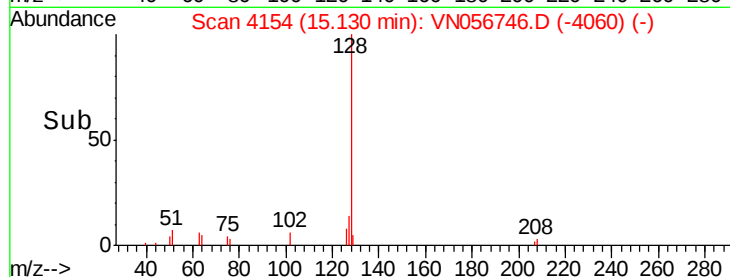
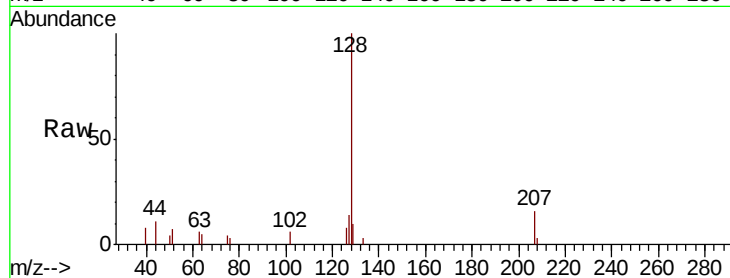
Tot Ion:128 Resp: 9829

Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

129 12.6 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

