

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102618\
 Data File : VN052039.D
 Acq On : 26 Oct 2018 20:07
 Operator : MD\SY
 Sample : J5665-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 DL-06B

Quant Time: Oct 26 23:27:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102318W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 24 10:12:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1188897	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1707714	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1691814	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	1123184	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	594706	56.16	ug/l	0.00
Spiked Amount			Recovery	=	112.32%	
35) Dibromofluoromethane	7.59	113	625060	57.36	ug/l	0.00
Spiked Amount			Recovery	=	114.72%	
50) Toluene-d8	10.09	98	2407971	61.15	ug/l	0.00
Spiked Amount			Recovery	=	122.30%	
62) 4-Bromofluorobenzene	12.40	95	911093	67.31	ug/l	0.00
Spiked Amount			Recovery	=	134.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.79	59	131	0.239	ug/l #	72
13) Acrolein	3.61	56	29	37.351	ug/l #	64
16) Acetone	3.82	43	19677	11.279	ug/l #	85
18) Methyl Acetate	4.33	43	5126	Below Cal	#	76
20) Methylene Chloride	4.55	84	20981	2.050	ug/l	97
25) 2-Butanone	6.85	43	6781	2.727	ug/l #	87
29) Tetrahydrofuran	7.23	42	1380	0.819	ug/l #	42
31) Cyclohexane	7.66	56	23586	Below Cal	#	39
36) 1,1-Dichloropropene	7.67	75	67895	5.183	ug/l #	47
37) Ethyl Acetate	6.85	43	6781	Below Cal	#	69
38) Carbon Tetrachloride	7.67	117	103601	6.889	ug/l #	15
39) Methylcyclohexane	9.08	83	106912	6.682	ug/l	98
43) Isopropyl Acetate	8.17	43	294196	26.817	ug/l	98
45) 1,2-Dichloropropane	9.12	63	4174	0.474	ug/l #	73
48) Methyl methacrylate	9.18	41	5940	1.120	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	1461	0.242	ug/l #	32
52) Toluene	10.16	92	48732	1.848	ug/l	97
53) t-1,3-Dichloropropene	10.55	75	216	1.259	ug/l #	10
54) cis-1,3-Dichloropropene	9.91	75	2866	0.205	ug/l #	68
55) 1,1,2-Trichloroethane	10.53	97	58827	6.037	ug/l #	21
56) Ethyl methacrylate	10.43	69	15617	1.491	ug/l #	9
59) 2-Hexanone	10.76	43	17688	4.362	ug/l #	54
60) Dibromochloromethane	10.63	129	2795	2.194	ug/l #	11
64) Tetrachloroethene	10.64	164	3222	0.248	ug/l	83
68) m/p-Xylenes	11.51	106	11777632	536.870	ug/l #	1
69) o-Xylene	11.95	106	5237658	245.492	ug/l	99
70) Styrene	11.95	104	259664	7.615	ug/l #	1
71) Bromoform	12.40	173	7947	4.503	ug/l #	1
73) Isopropylbenzene	12.25	105	2958943	41.539	ug/l	99
76) 1,2,3-Trichloropropane	12.59	75	35704	3.077	ug/l #	100
78) n-propylbenzene	12.59	91	6379092	83.016	ug/l	100
79) 2-Chlorotoluene	12.65	91	2401203	53.660	ug/l #	35
80) 1,3,5-Trimethylbenzene	12.73	105	11586444	202.739	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.25	75	30378	9.939	ug/l #	64

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QLast Update : Wed Oct 24 10:12:55 2018
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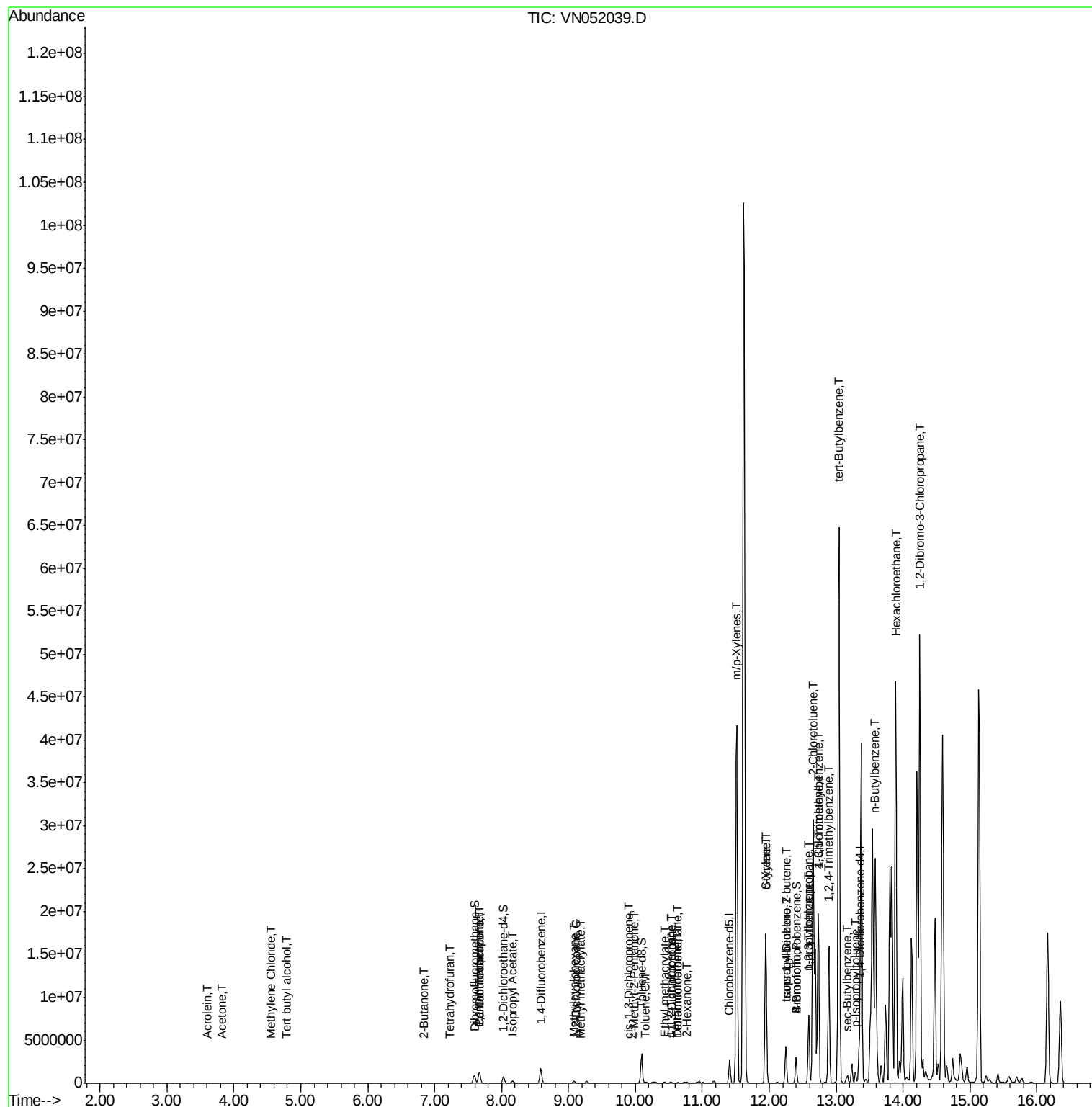
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.73	91	1148039	24.779	ug/l #	36
83) tert-Butylbenzene	13.04	119	5773573	106.814	ug/l #	66
84) 1,2,4-Trimethylbenzene	12.89	105	10804994	183.290	ug/l	78
85) sec-Butylbenzene	13.17	105	522233	7.397	ug/l #	68
86) p-Isopropyltoluene	13.29	119	809762	12.740	ug/l	99
89) n-Butylbenzene	13.58	91	1543780	30.504	ug/l #	1
90) Hexachloroethane	13.89	117	2656919	280.596	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	198983	88.050	ug/l #	1

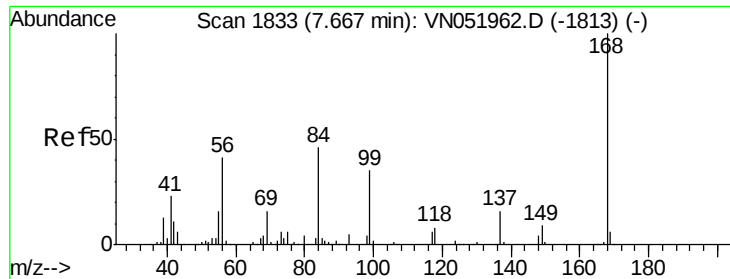
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102618\
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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: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

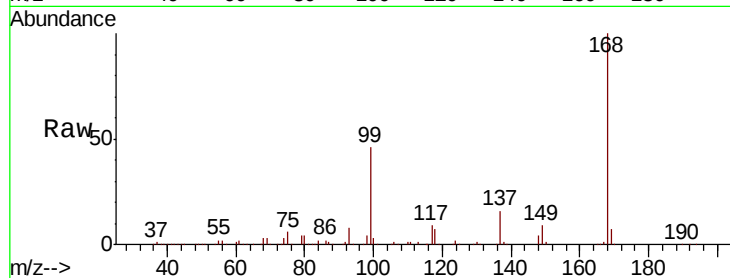
DL-06B

Tot Ion:168 Resp: 1188897

Ion Ratio Lower Upper

168 100

99 45.8 37.8 56.6



Abundance Ion 167.90 (167.60 to 168.60): VN051962.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051962.D (-1813) (-)

7.67

500000

400000

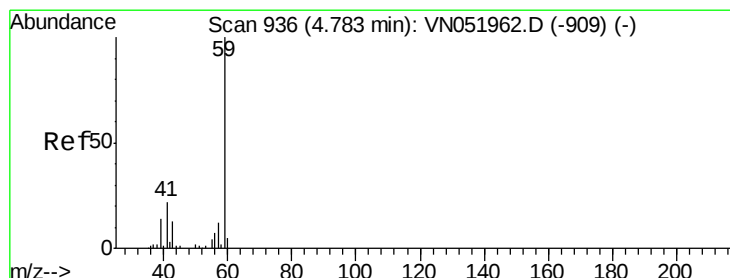
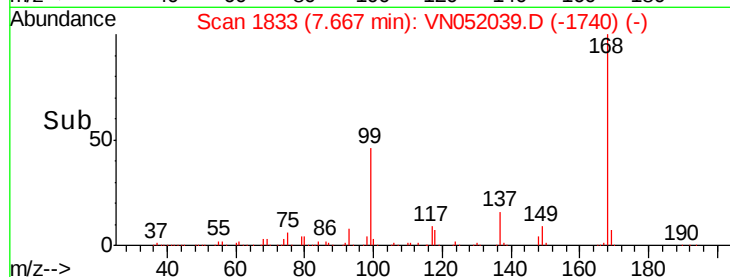
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.239 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.01 min

Lab File: VN052039.D

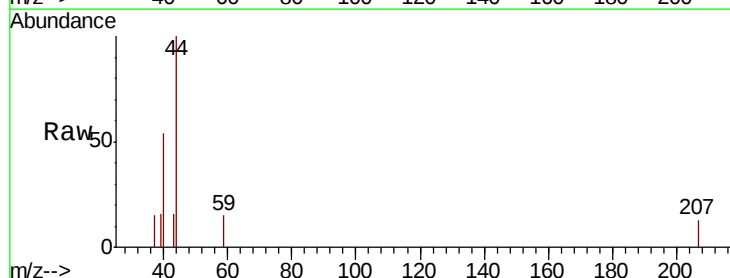
Acq: 26 Oct 2018 20:07

Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VN051962.D (-909) (-)

Ion 57.00 (56.70 to 57.70): VN051962.D (-909) (-)

4.79

200

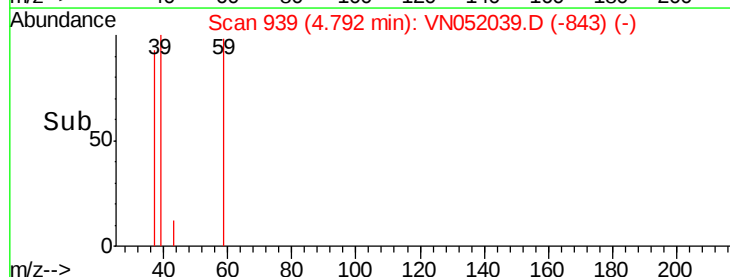
150

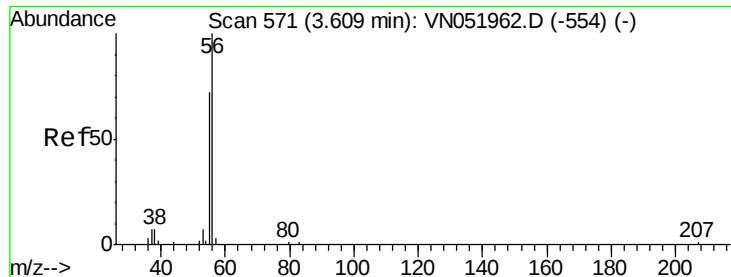
100

50

0

Time-->





#13

Acrolein

Concen: 37.351 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

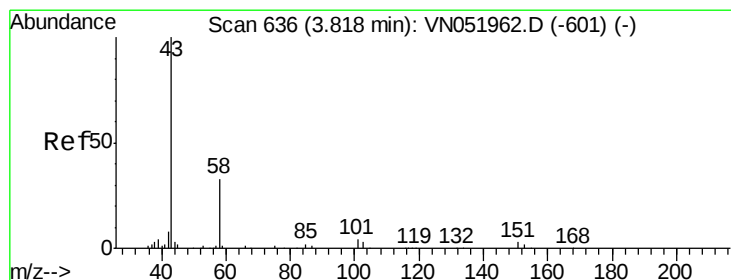
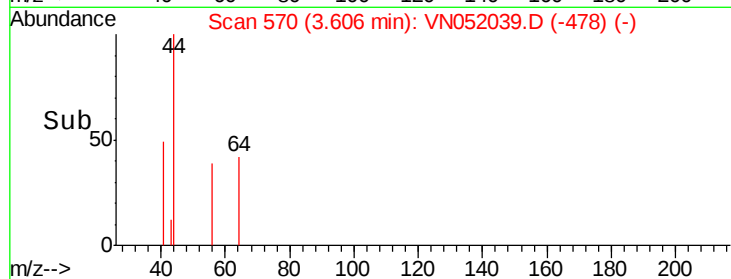
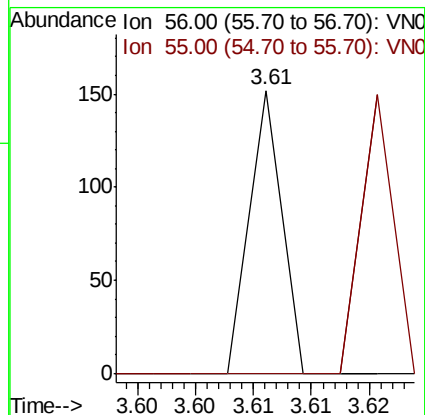
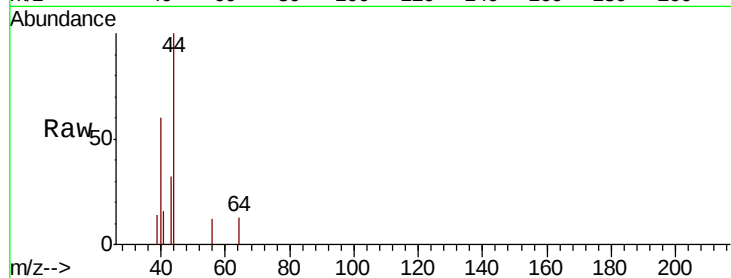
DL-06B

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

56 100

55 100.0 56.6 84.8#



#16

Acetone

Concen: 11.279 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052039.D

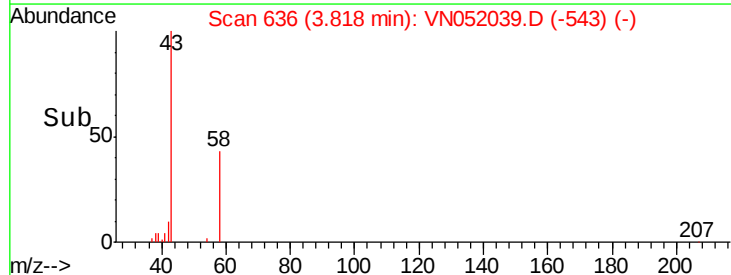
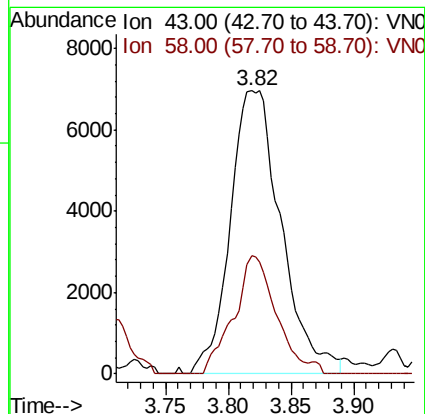
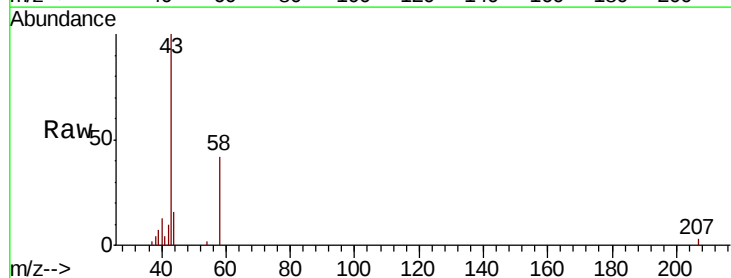
Acq: 26 Oct 2018 20:07

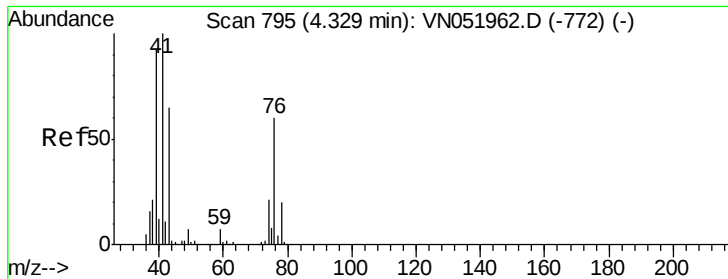
Tgt Ion: 43 Resp: 19677

Ion Ratio Lower Upper

43 100

58 41.9 26.7 40.1#

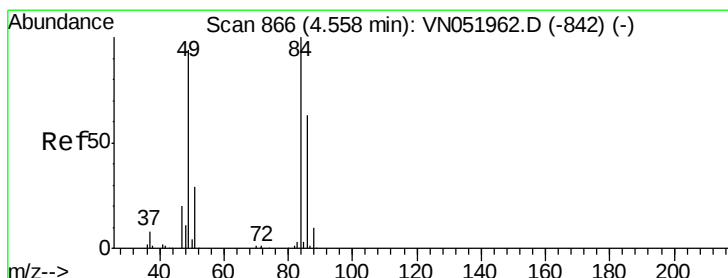
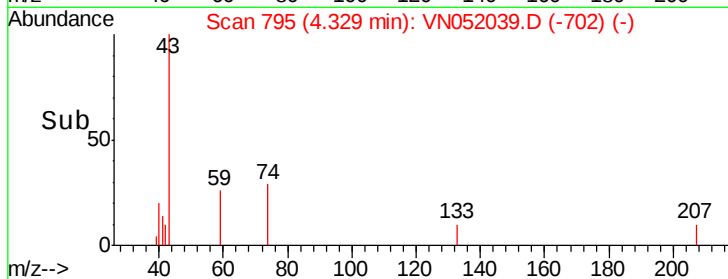
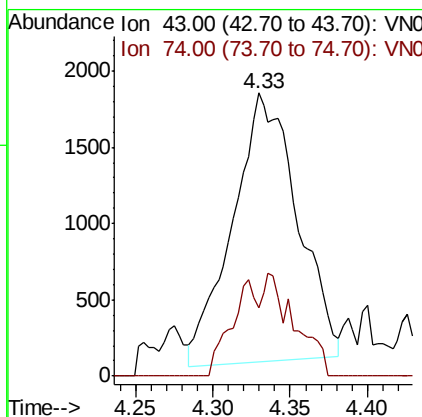
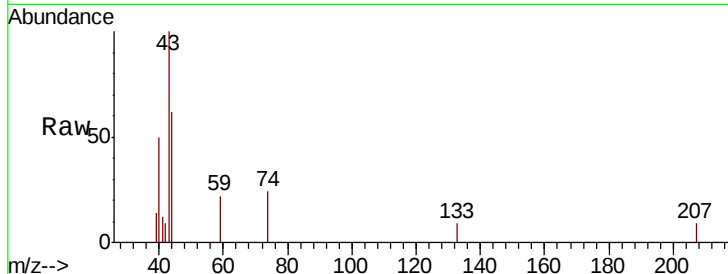




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

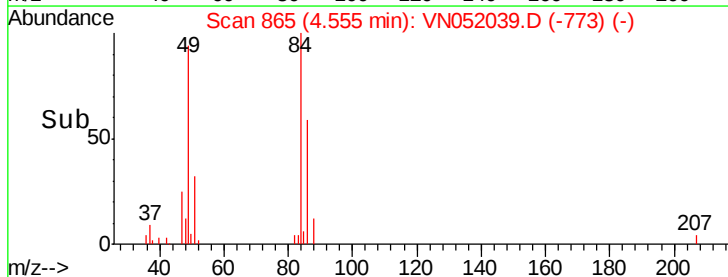
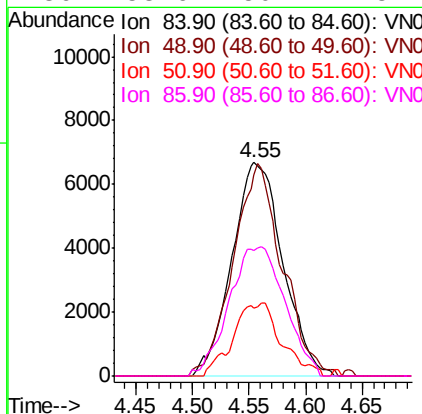
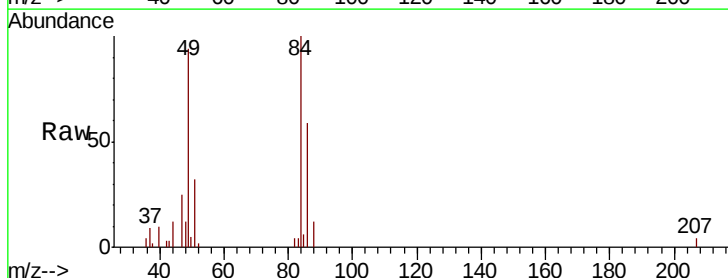
Instrument :
MSVOA_N
ClientSampleId :
DL-06B

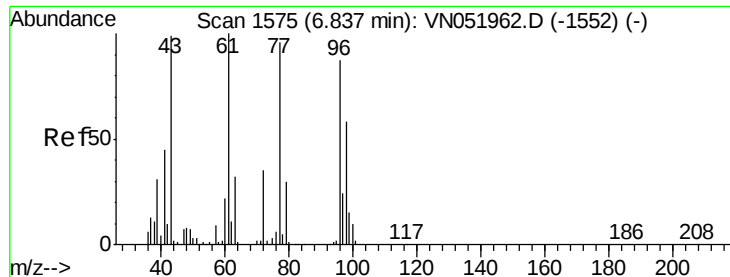
Tot Ion: 43 Resp: 5126
Ion Ratio Lower Upper
43 100
74 18.9 25.7 38.5#



#20
Methylene Chloride
Concen: 2.050 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

Tgt Ion: 84 Resp: 20981
Ion Ratio Lower Upper
84 100
49 94.4 75.4 113.0
51 32.0 23.1 34.7
86 58.6 50.2 75.4





#25

2-Butanone

Concen: 2.727 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

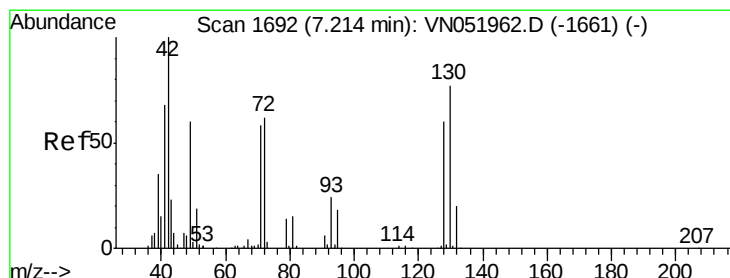
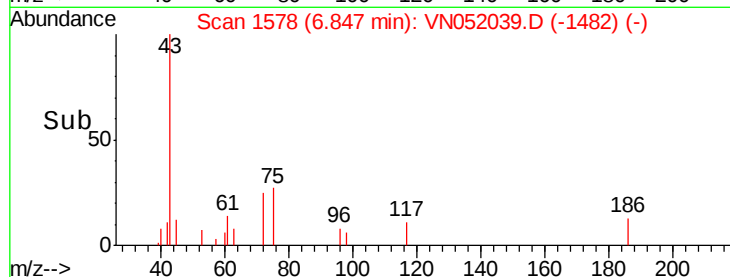
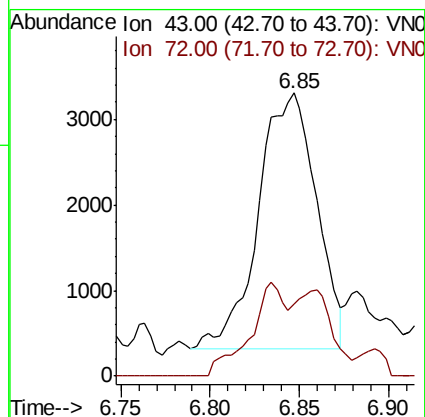
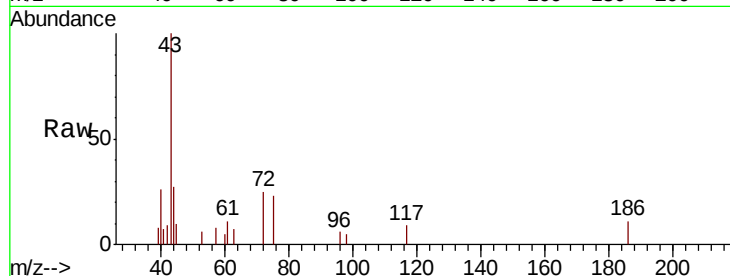
DL-06B

Tot Ion: 43 Resp: 6781

Ion Ratio Lower Upper

43 100

72 28.2 28.5 42.7#



#29

Tetrahydrofuran

Concen: 0.819 ug/l

RT: 7.23 min Scan# 1698

Delta R.T. 0.02 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

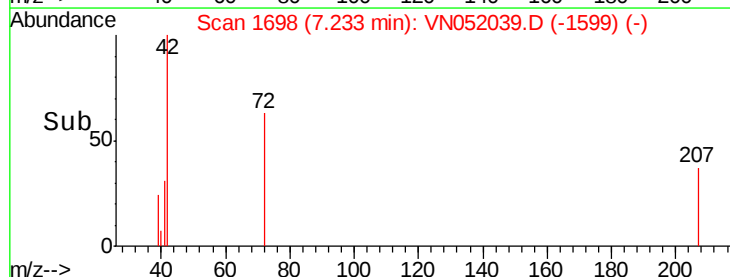
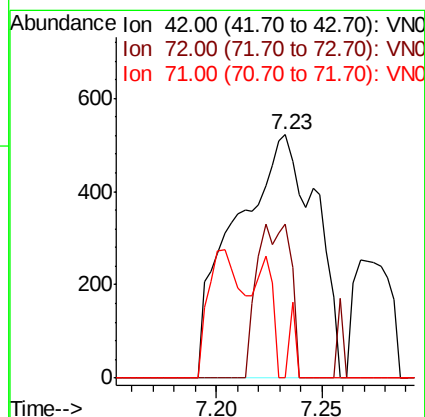
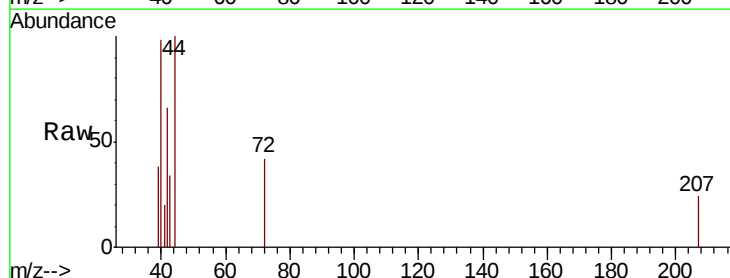
Tgt Ion: 42 Resp: 1380

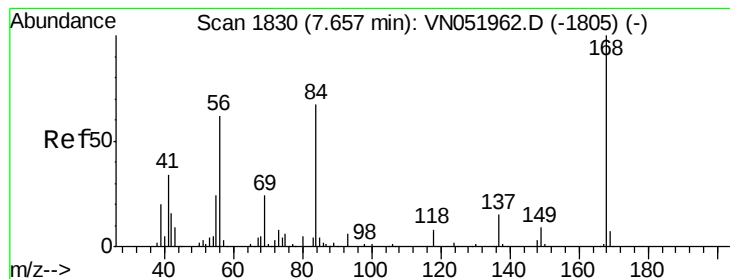
Ion Ratio Lower Upper

42 100

72 26.8 47.5 71.3#

71 2.2 45.4 68.2#





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

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DL-06B

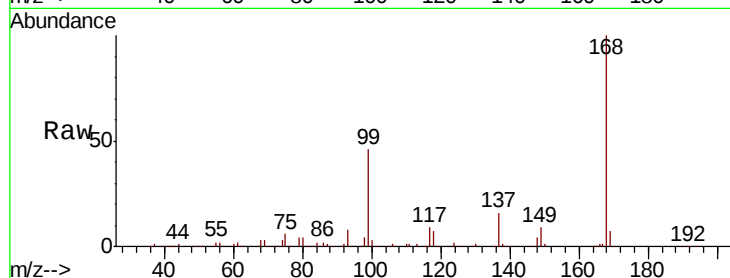
Tot Ion: 56 Resp: 23586

Ion Ratio Lower Upper

56 100

69 141.5 31.2 46.8#

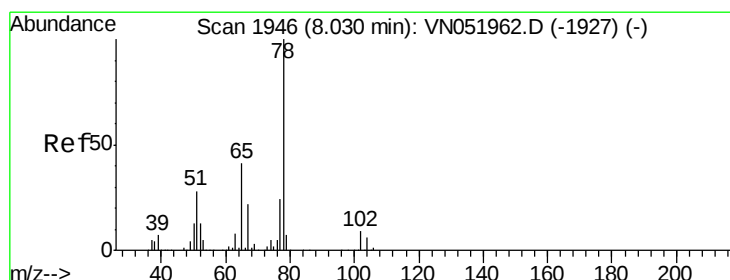
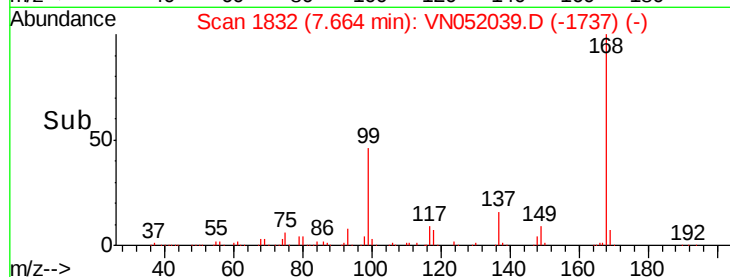
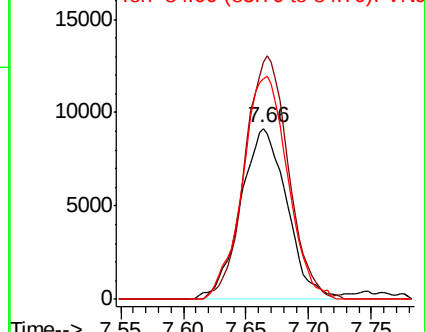
84 131.5 86.3 129.5#



Abundance Ion 56.00 (55.70 to 56.70): VN051962.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN051962.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN051962.D (-1805) (-)



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN052039.D

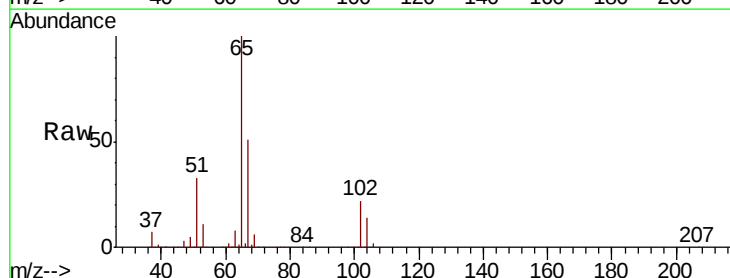
Acq: 26 Oct 2018 20:07

Tgt Ion: 65 Resp: 594706

Ion Ratio Lower Upper

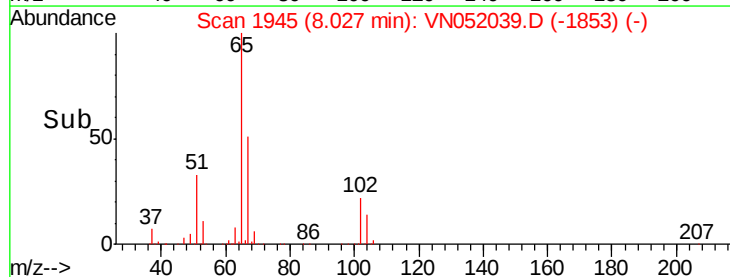
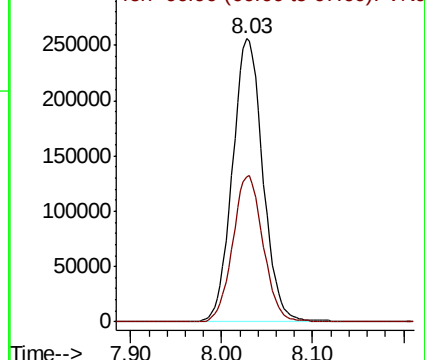
65 100

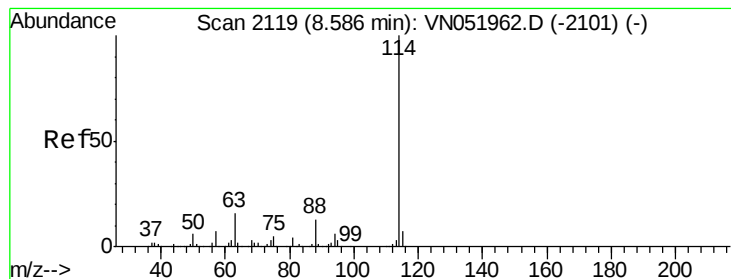
67 51.6 0.0 105.8



Abundance Ion 64.90 (64.60 to 65.60): VN051962.D (-1927) (-)

Ion 66.90 (66.60 to 67.60): VN051962.D (-1927) (-)





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

DL-06B

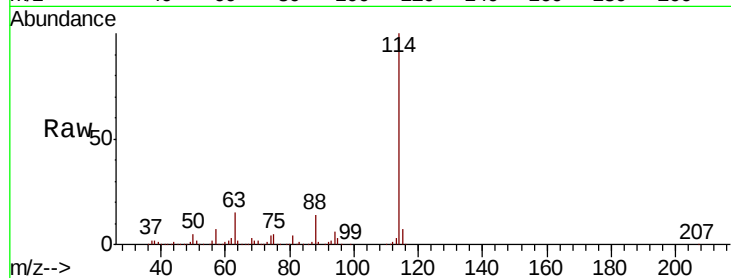
Tot Ion:114 Resp: 1707714

Ion Ratio Lower Upper

114 100

63 15.3 0.0 31.2

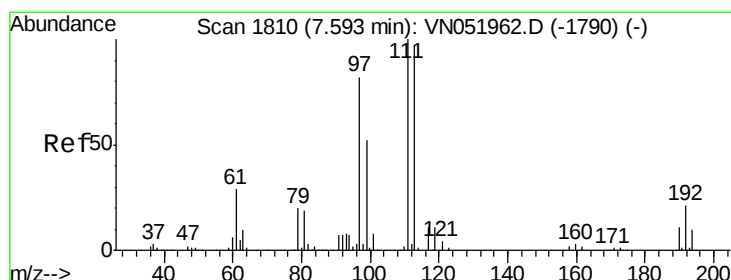
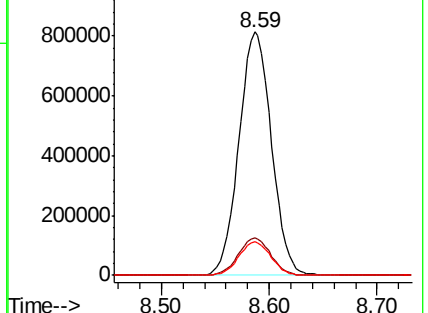
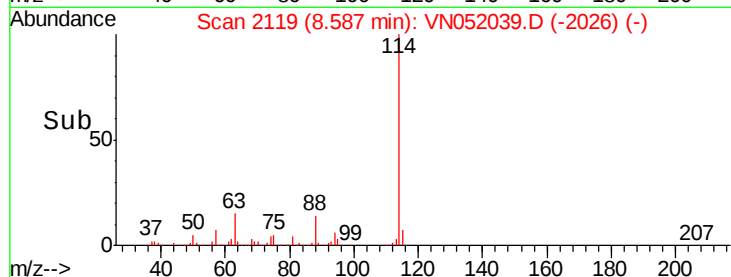
88 13.9 0.0 27.0



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: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

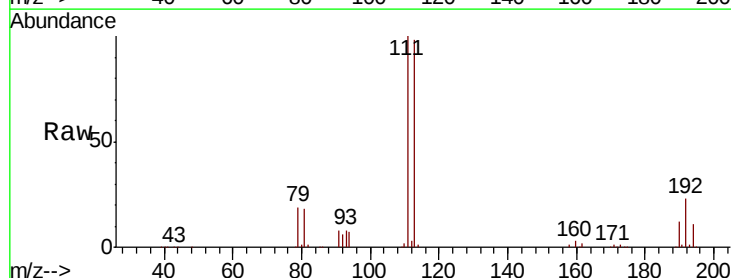
Tgt Ion:113 Resp: 625060

Ion Ratio Lower Upper

113 100

111 103.3 80.7 121.1

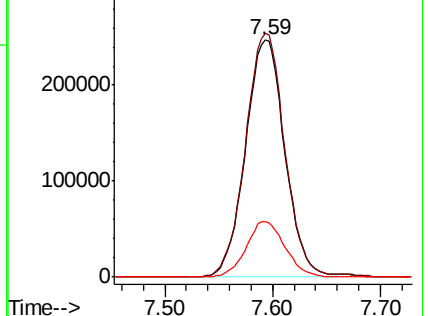
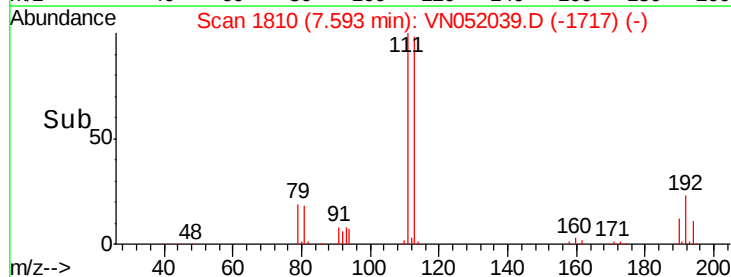
192 23.1 17.2 25.8

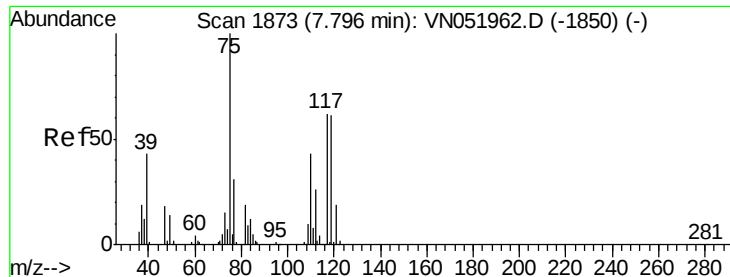


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

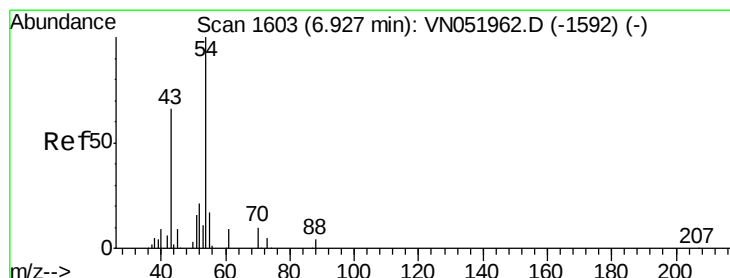
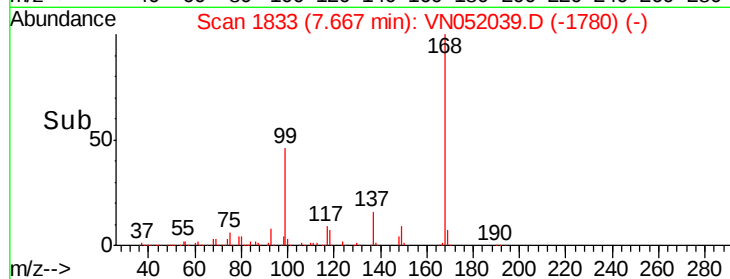
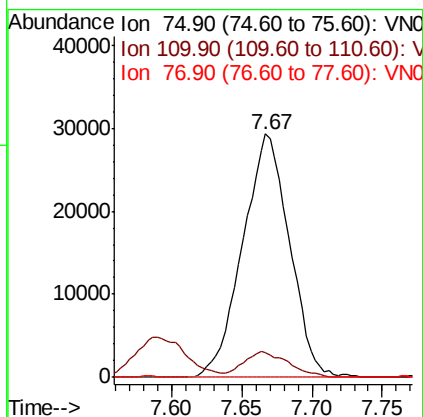
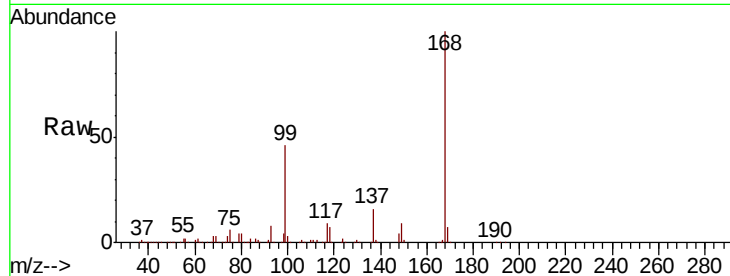




#36
 1,1-Dichloropropene
 Concen: 5.183 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052039.D
 Acq: 26 Oct 2018 20:07

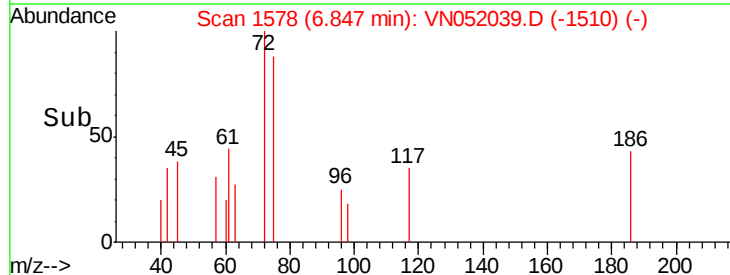
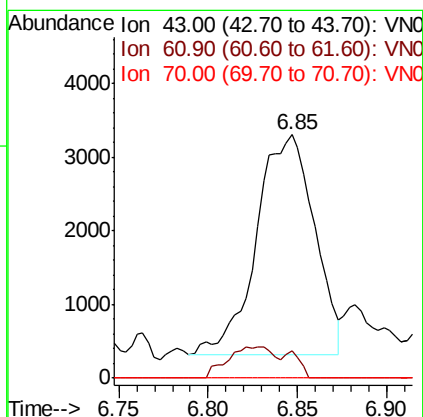
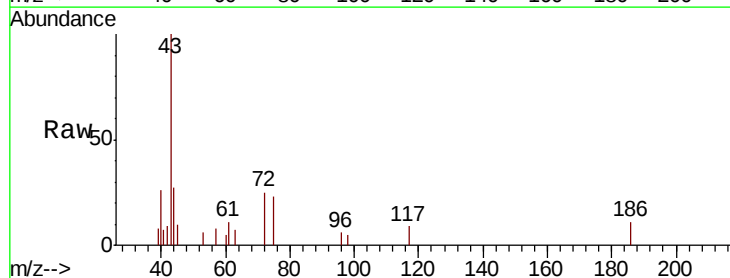
Instrument :
 MSVOA_N
 ClientSampleId :
 DL-06B

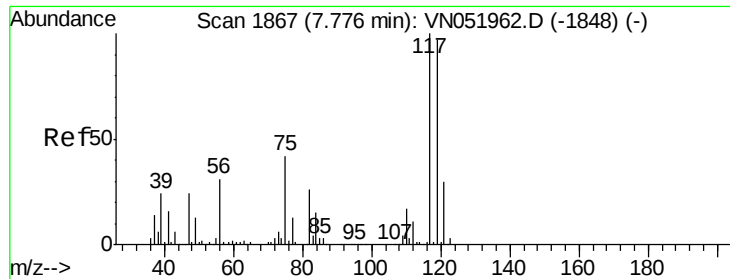
Tot Ion	Ratio	Lower	Upper
75	100		
110	10.1	20.9	62.8#
77	0.0	24.9	37.3#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 6.85 min Scan# 1578
 Delta R.T. -0.08 min
 Lab File: VN052039.D
 Acq: 26 Oct 2018 20:07

Tgt Ion	Ratio	Lower	Upper
43	100		
61	3.2	13.5	20.3#
70	0.0	9.8	14.6#

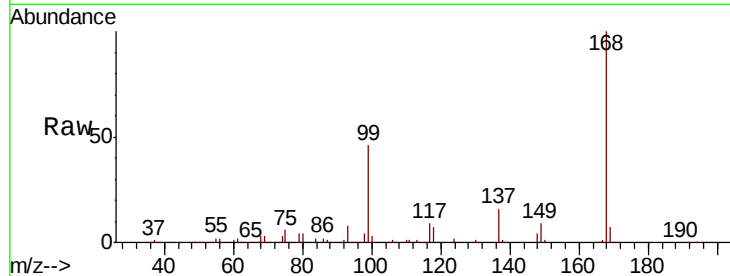




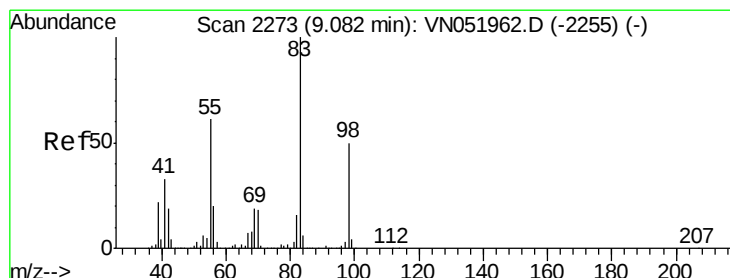
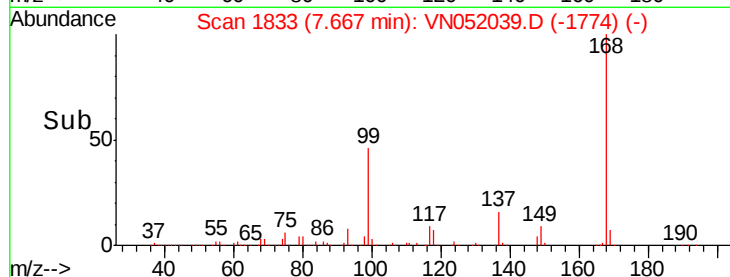
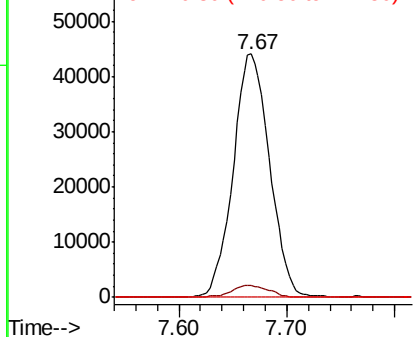
#38
Carbon Tetrachloride
Concen: 6.889 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

Instrument :
MSVOA_N
ClientSampleId :
DL-06B

Tot Ion:117 Resp: 103601
Ion Ratio Lower Upper
117 100
119 4.7 77.4 116.0#
121 0.0 24.2 36.4#

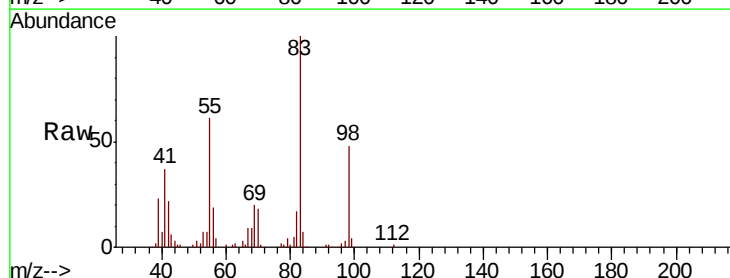


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

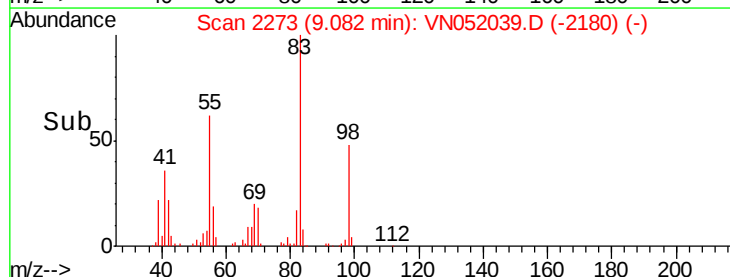
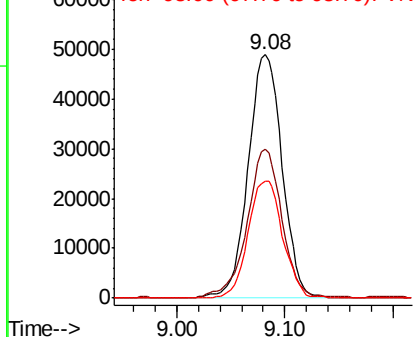


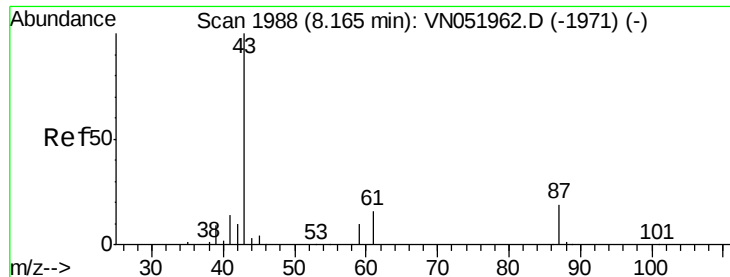
#39
Methylcyclohexane
Concen: 6.682 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

Tgt Ion: 83 Resp: 106912
Ion Ratio Lower Upper
83 100
55 61.4 48.9 73.3
98 47.8 40.2 60.2



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#43

Isopropyl Acetate

Concen: 26.817 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

DL-06B

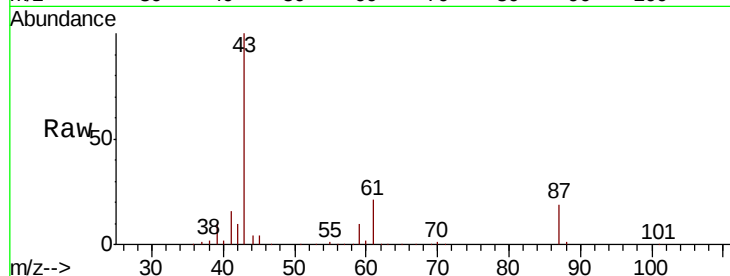
Tot Ion: 43 Resp: 294196

Ion Ratio Lower Upper

43 100

61 21.4 17.2 25.8

87 17.5 15.2 22.8



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN051962.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN051962.D (-1971) (-)

8.17

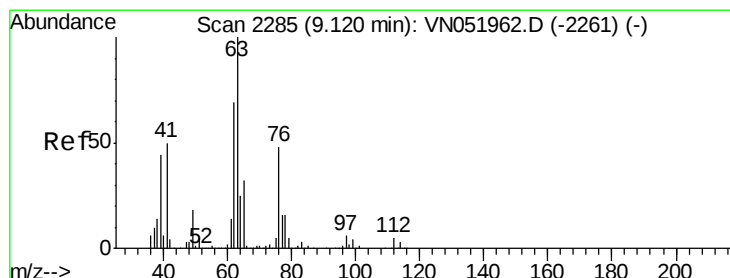
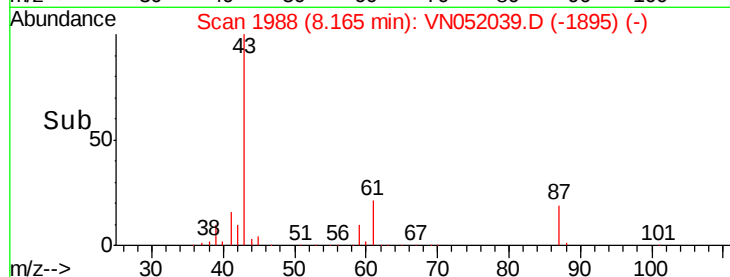
150000

100000

50000

0

Time--> 8.05 8.10 8.15 8.20 8.25



#45

1,2-Dichloropropane

Concen: 0.474 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN052039.D

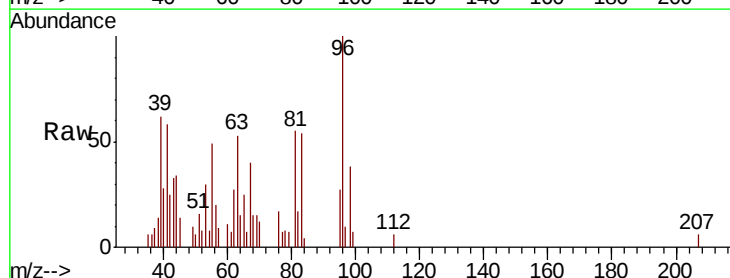
Acq: 26 Oct 2018 20:07

Tgt Ion: 63 Resp: 4174

Ion Ratio Lower Upper

63 100

65 47.4 25.8 38.6#



Abundance Ion 62.90 (62.60 to 63.60): VN051962.D (-2261) (-)

Ion 64.90 (64.60 to 65.60): VN051962.D (-2261) (-)

9.12

2000

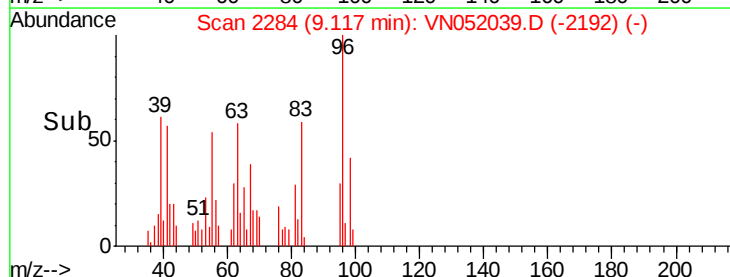
1500

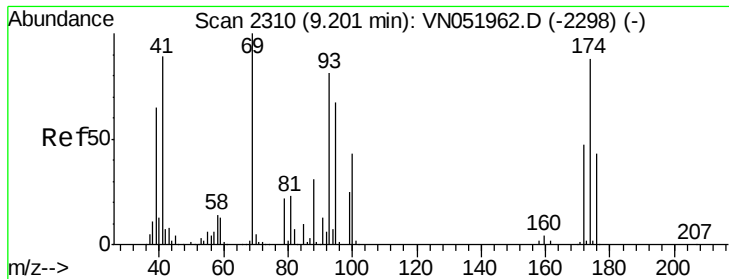
1000

500

0

Time--> 9.10 9.15

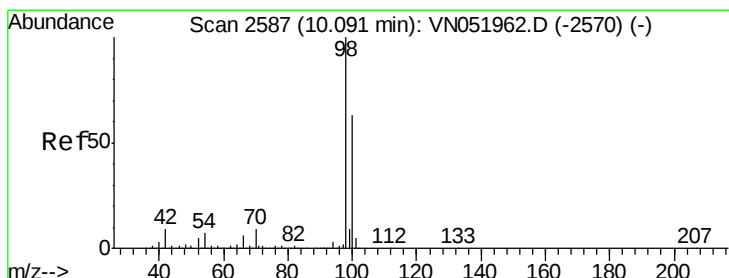
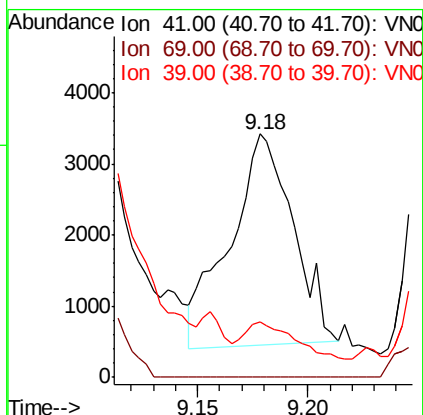
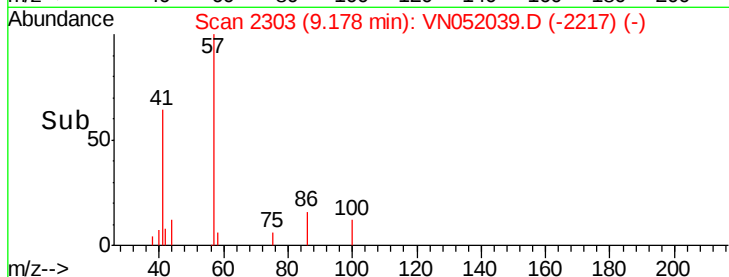
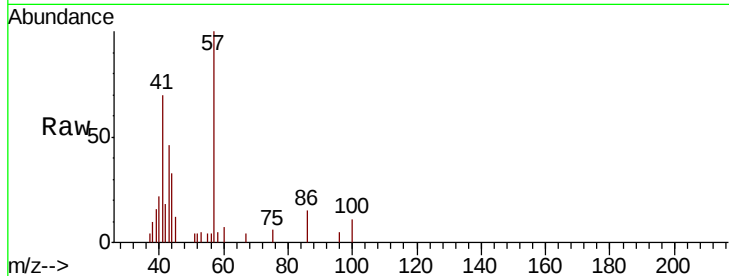




#48
Methvl methacrylate
Concen: 1.120 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.02 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

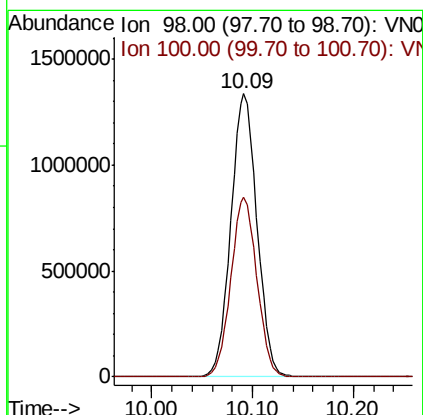
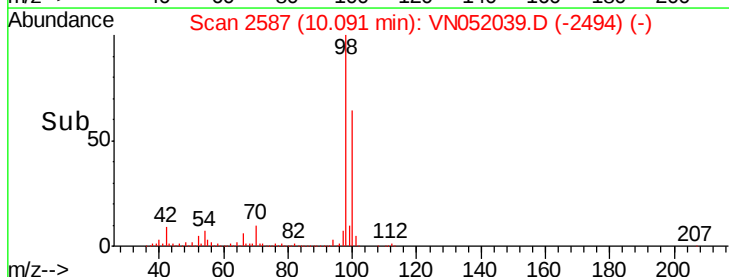
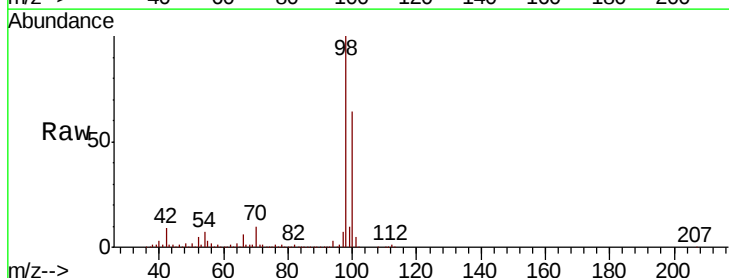
Instrument :
MSVOA_N
ClientSampled :
DL-06B

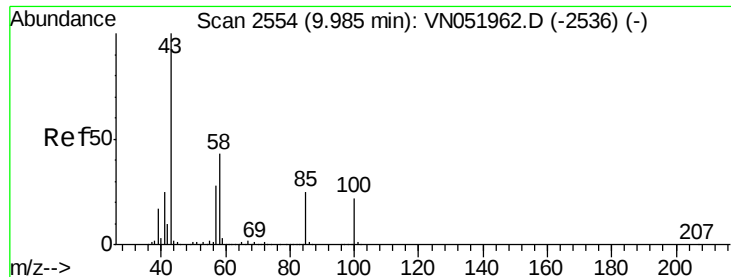
Tot Ion: 41 Resp: 5940
Ion Ratio Lower Upper
41 100
69 0.0 92.2 138.4#
39 0.0 60.2 90.4#



#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

Tgt Ion: 98 Resp: 2407971
Ion Ratio Lower Upper
98 100
100 63.2 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.242 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.01 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

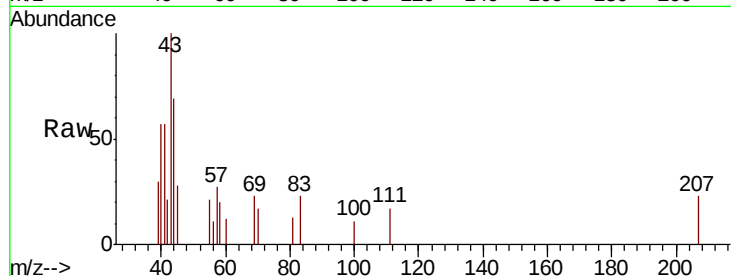
DL-06B

Tot Ion: 43 Resp: 1461

Ion Ratio Lower Upper

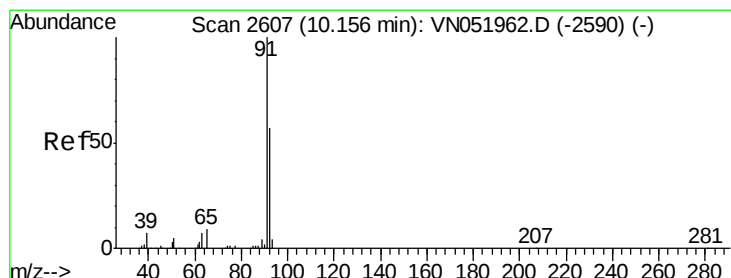
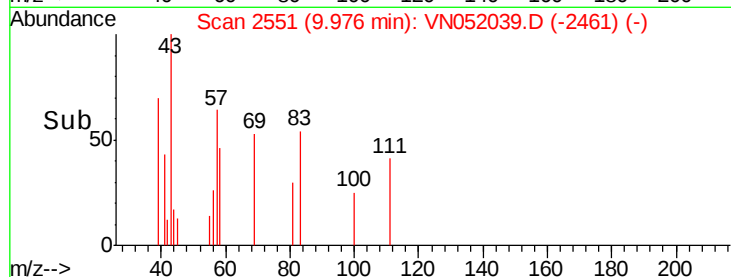
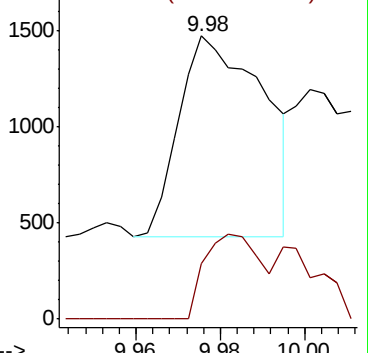
43 100

58 0.0 34.8 52.2#



Abundance Ion 43.00 (42.70 to 43.70): VN051962.D (-2536) (-)

Ion 58.00 (57.70 to 58.70): VN051962.D (-2536) (-)



#52

Toluene

Concen: 1.848 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN052039.D

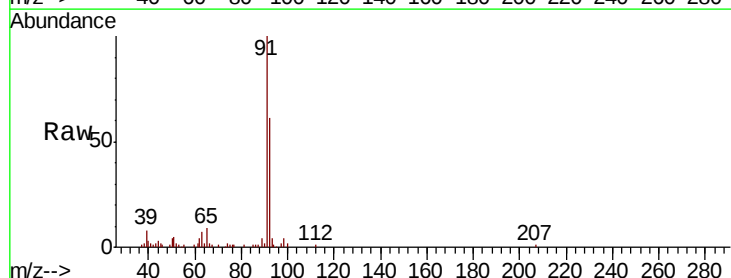
Acq: 26 Oct 2018 20:07

Tgt Ion: 92 Resp: 48732

Ion Ratio Lower Upper

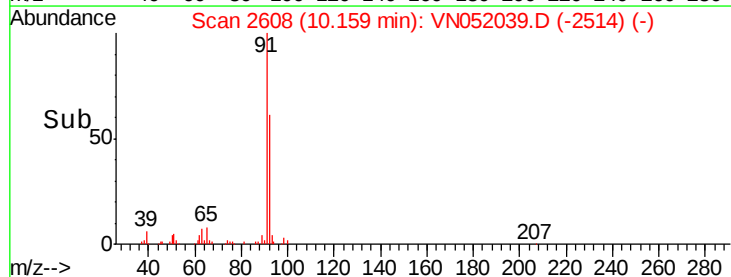
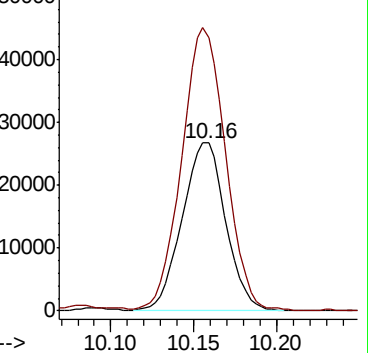
92 100

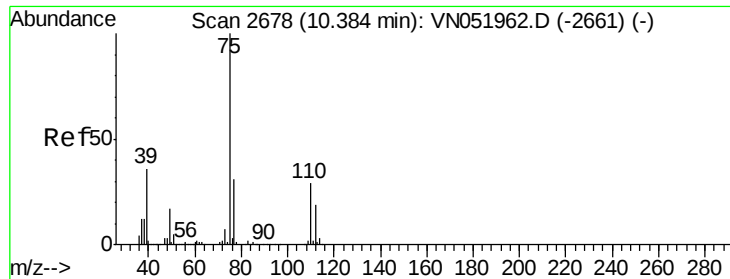
91 170.7 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN051962.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051962.D (-2590) (-)





#53

t-1,3-Dichloropropene

Concen: 1.259 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.17 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

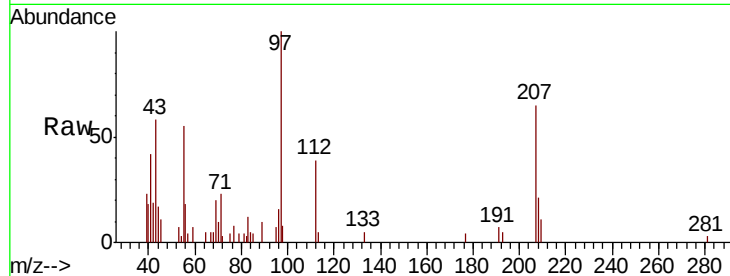
DL-06B

Tot Ion: 75 Resp: 216

Ion Ratio Lower Upper

75 100

77 80.9 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): VN052039.D (-2584) (-)

Ion 76.90 (76.60 to 77.60): VN052039.D (-2584) (-)

1500

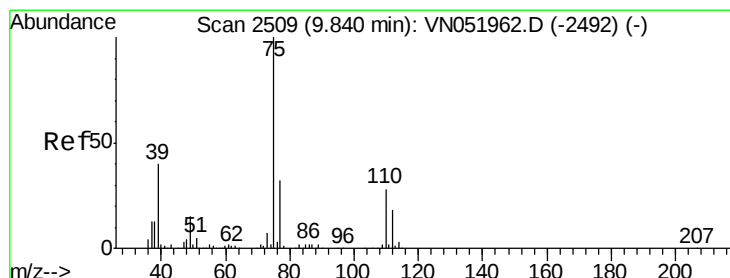
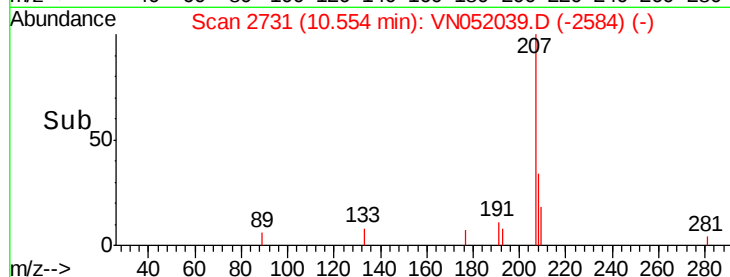
1000

500

0

10.54 10.55 10.56

Time-->



#54

cis-1,3-Dichloropropene

Concen: 0.205 ug/l

RT: 9.91 min Scan# 2530

Delta R.T. 0.07 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

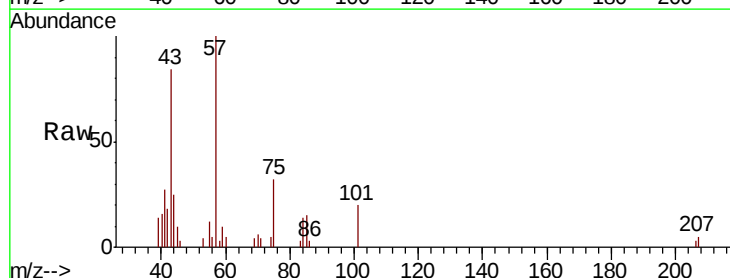
Tgt Ion: 75 Resp: 2866

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

39 32.5 32.0 48.0



Abundance Ion 74.90 (74.60 to 75.60): VN052039.D (-2416) (-)

Ion 76.90 (76.60 to 77.60): VN052039.D (-2416) (-)

Ion 39.00 (38.70 to 39.70): VN052039.D (-2416) (-)

2500

2000

1500

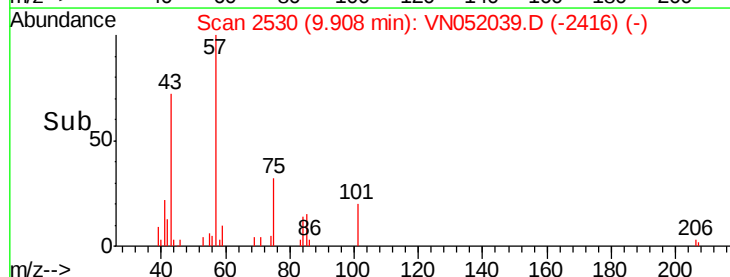
1000

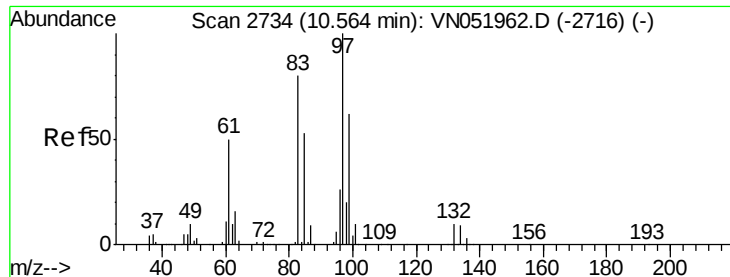
500

0

9.85 9.90 9.91 9.95

Time-->





#55

1,1,2-Trichloroethane

Concen: 6.037 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

DL-06B

Tot Ion: 97 Resp: 58827

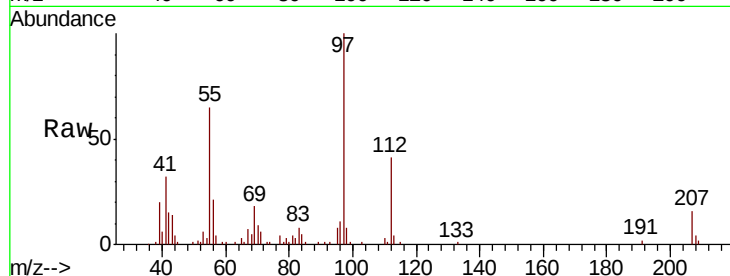
Ion Ratio Lower Upper

97 100

83 7.8 64.0 96.0#

85 0.9 42.4 63.6#

99 0.5 49.4 74.2#

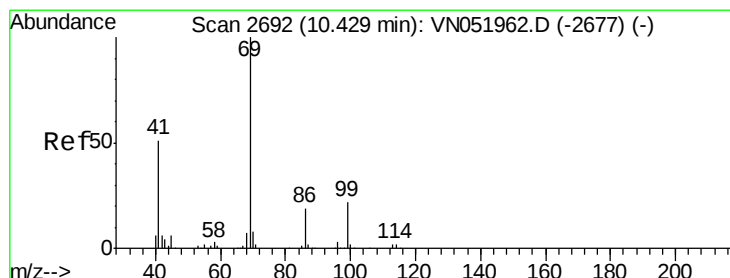
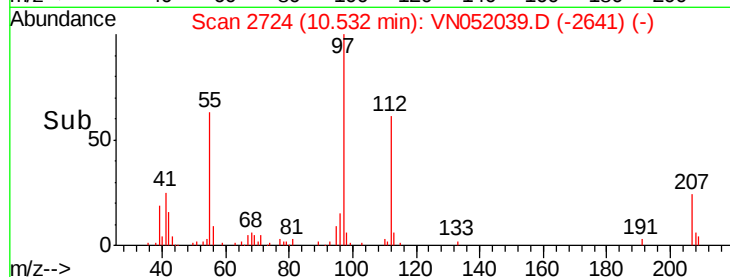
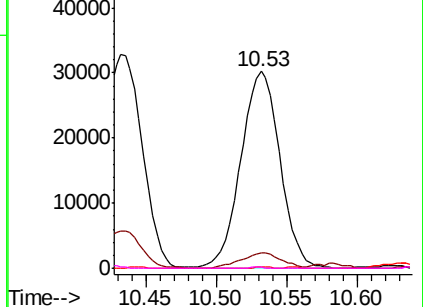


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 1.491 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

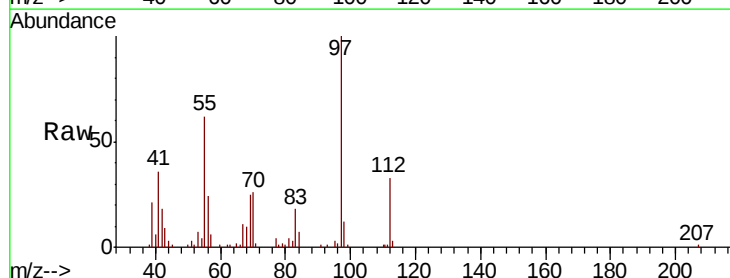
Tgt Ion: 69 Resp: 15617

Ion Ratio Lower Upper

69 100

41 127.9 40.7 61.1#

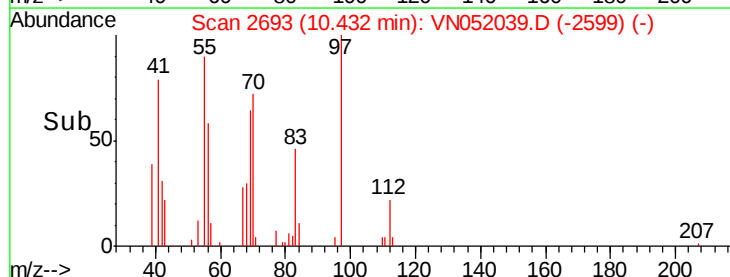
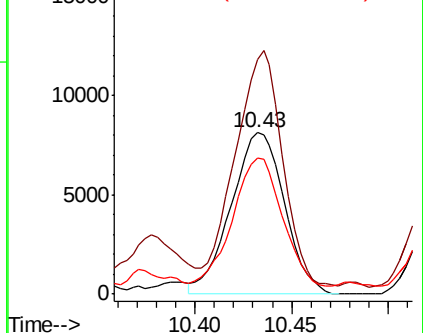
39 73.6 29.3 43.9#

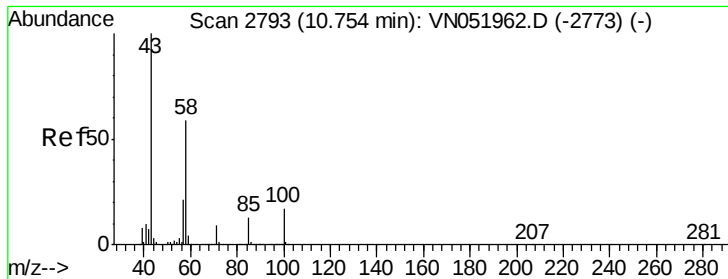


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

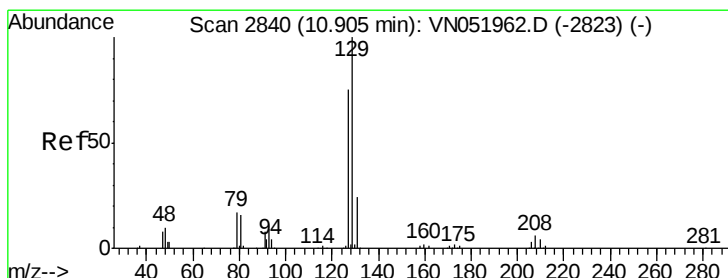
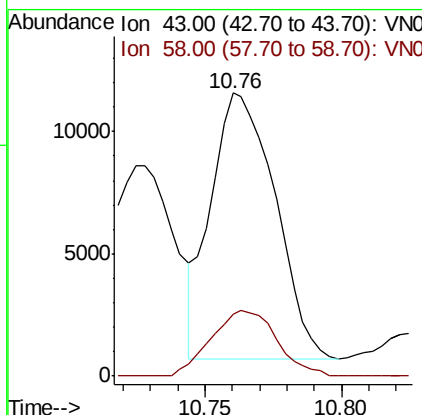
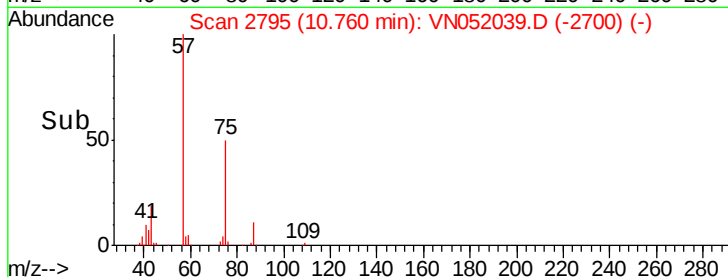
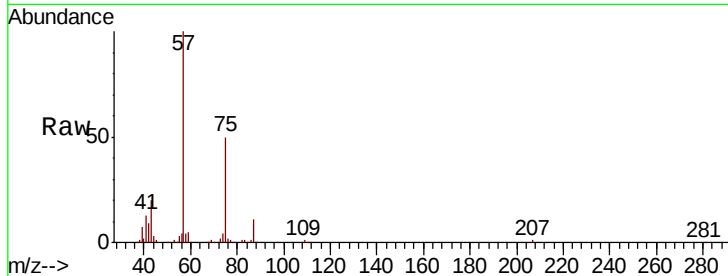




#59
2-Hexanone
Concen: 4.362 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

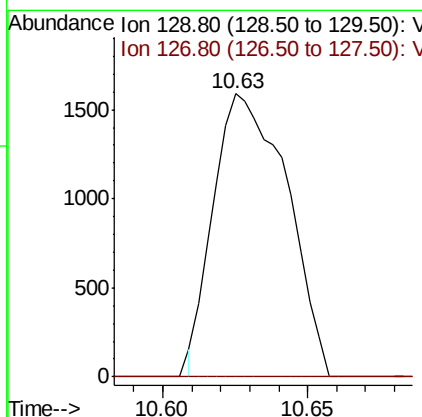
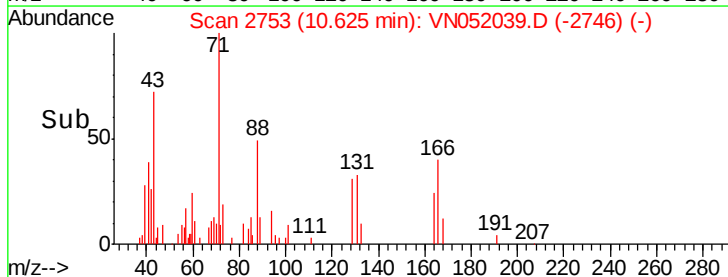
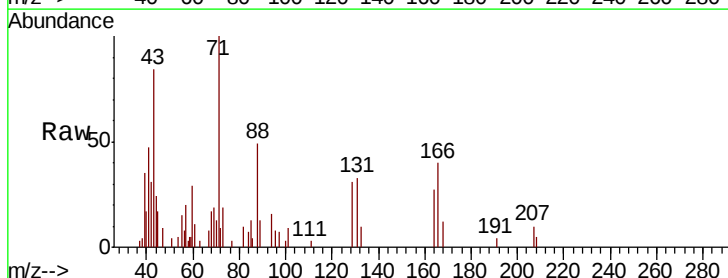
Instrument :
MSVOA_N
ClientSampled :
DL-06B

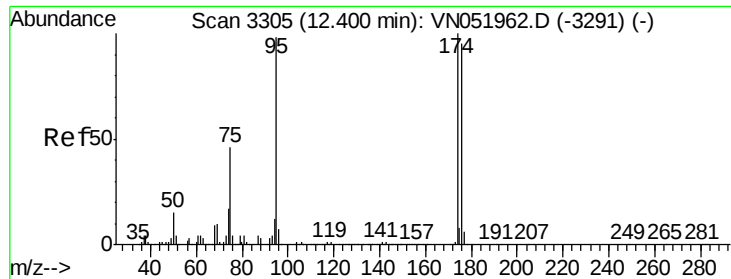
Tot Ion: 43 Resp: 17688
Ion Ratio Lower Upper
43 100
58 25.3 29.9 89.8#



#60
Dibromochloromethane
Concen: 2.194 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. -0.28 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

Tgt Ion: 129 Resp: 2795
Ion Ratio Lower Upper
129 100
127 0.0 38.0 114.0#





#62

4-Bromofluorobenzene

Concen: Below ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

DL-06B

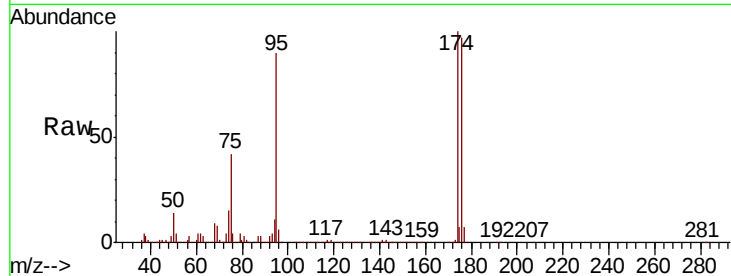
Tot Ion: 95 Resp: 911093

Ion Ratio Lower Upper

95 100

174 110.4 0.0 206.0

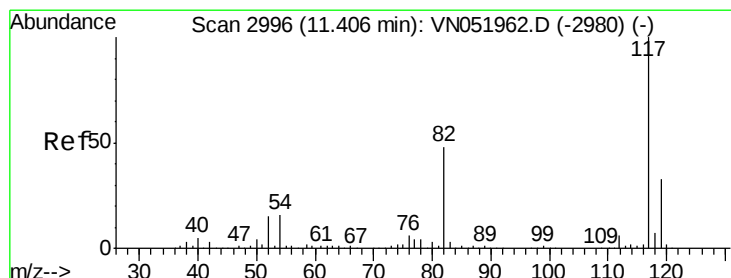
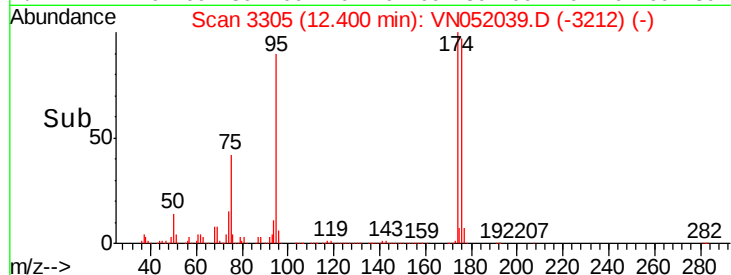
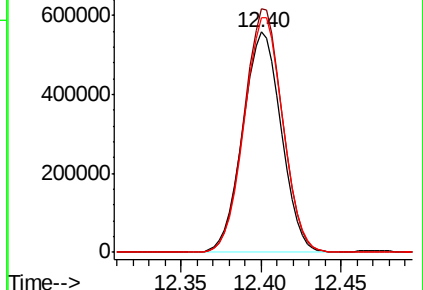
176 107.4 0.0 198.0



Abundance Ion 94.90 (94.60 to 95.60): VN051962.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN051962.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN051962.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

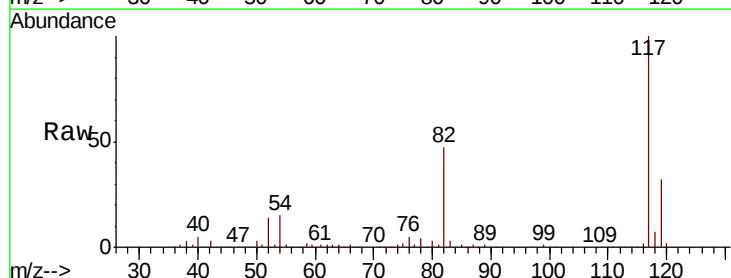
Tgt Ion: 117 Resp: 1691814

Ion Ratio Lower Upper

117 100

82 46.6 38.1 57.1

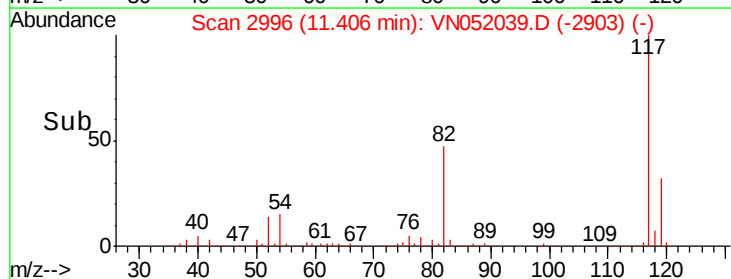
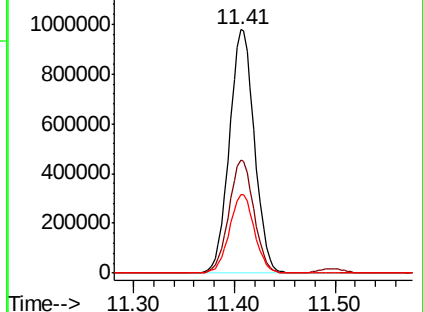
119 32.1 26.4 39.6

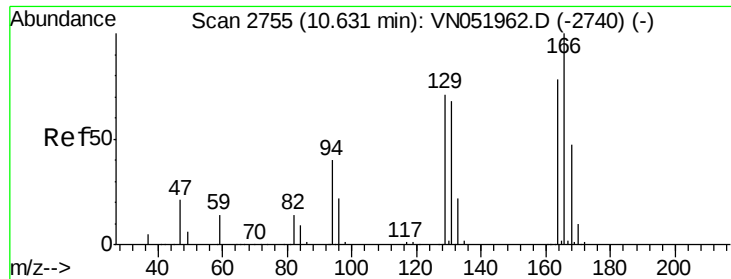


Abundance Ion 116.90 (116.60 to 117.60): VN051962.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN051962.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN051962.D (-2980) (-)





#64

Tetrachloroethene

Concen: 0.248 ug/l

RT: 10.64 min Scan# 2757

Delta R.T. 0.01 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

DL-06B

Tot Ion:164 Resp: 3222

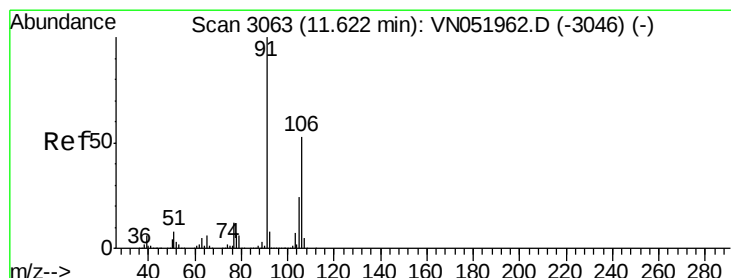
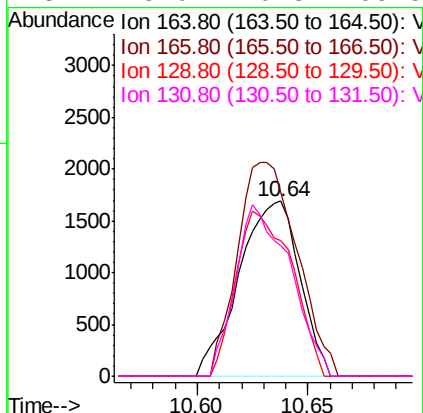
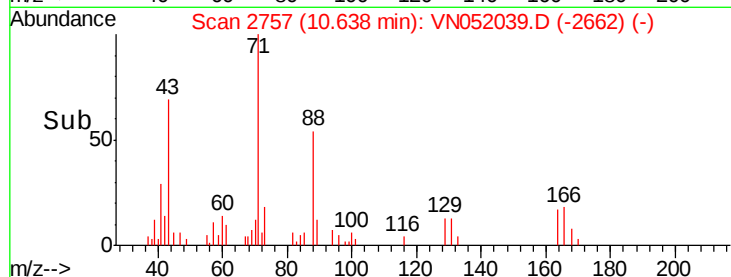
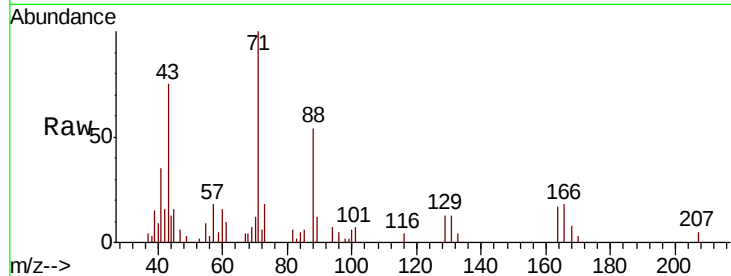
Ion Ratio Lower Upper

164 100

166 105.6 103.1 154.7

129 77.3 73.6 110.4

131 75.0 70.3 105.5



#68

m/p-Xylenes

Concen: 536.870 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.11 min

Lab File: VN052039.D

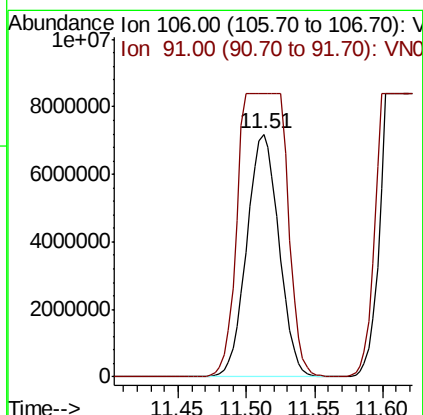
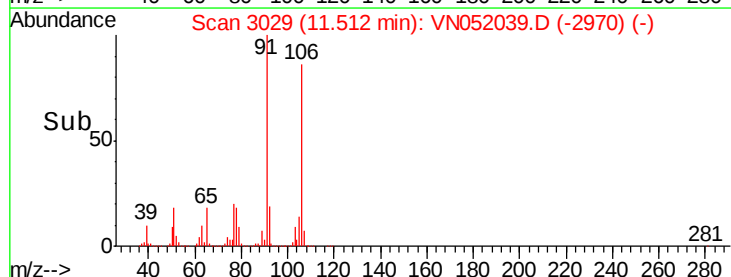
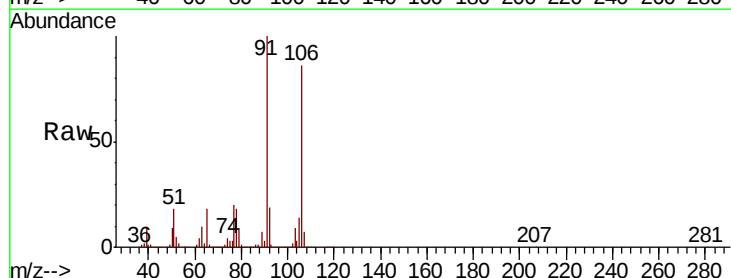
Acq: 26 Oct 2018 20:07

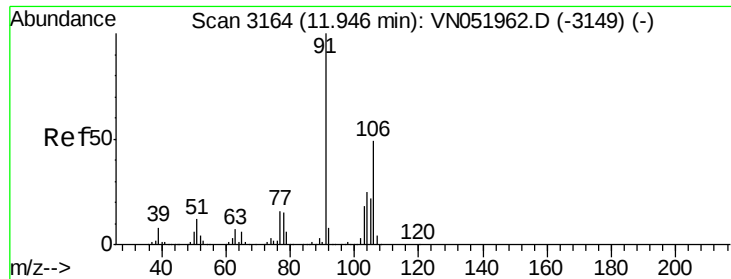
Tgt Ion:106 Resp:11777632

Ion Ratio Lower Upper

106 100

91 0.0 152.2 228.2#

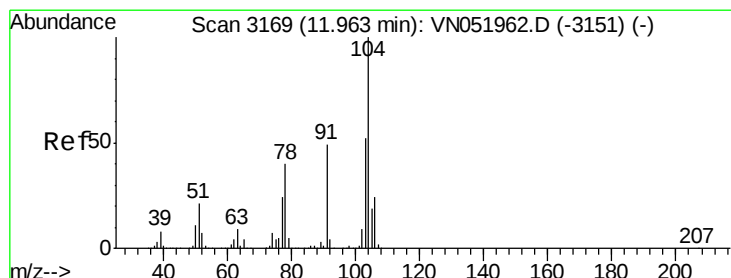
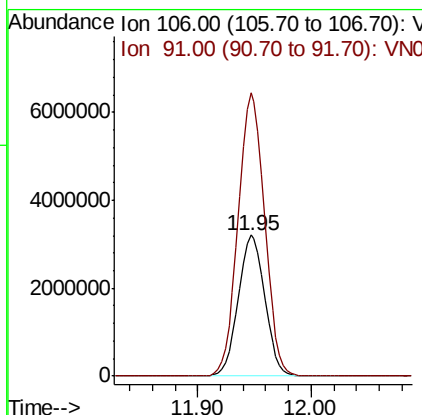
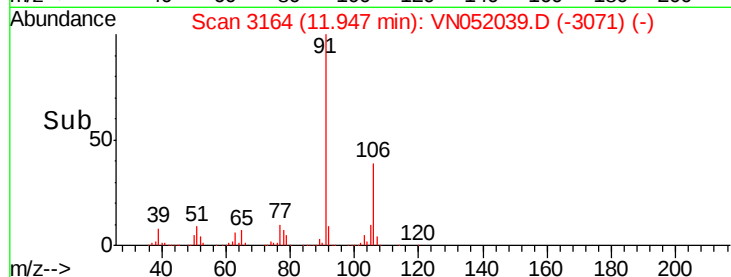
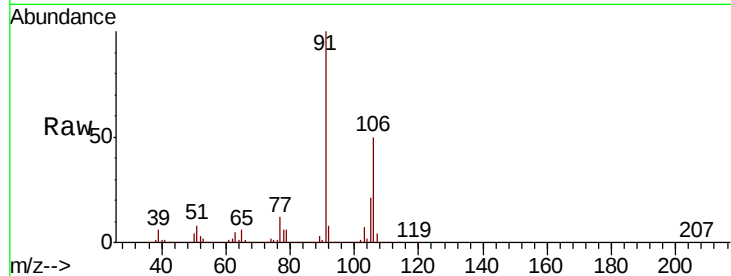




#69
o-Xylene
Concen: 245.492 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

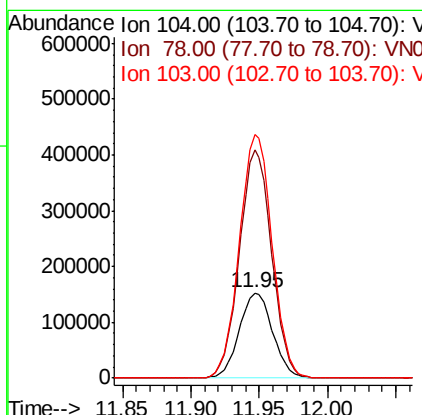
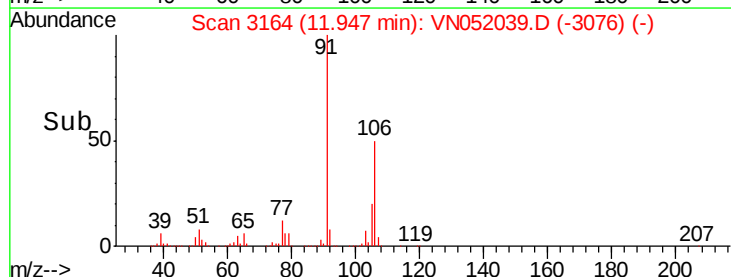
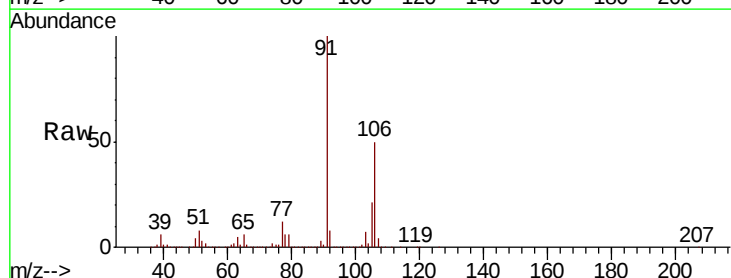
Instrument :
MSVOA_N
ClientSampled :
DL-06B

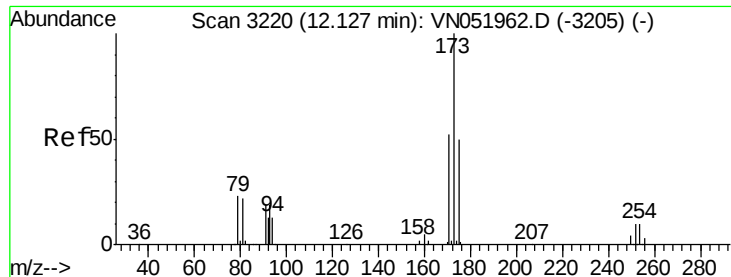
Tot Ion:106 Resp: 5237658
Ion Ratio Lower Upper
106 100
91 200.9 101.0 303.0



#70
Styrene
Concen: 7.615 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

Tgt Ion:104 Resp: 259664
Ion Ratio Lower Upper
104 100
78 259.2 35.8 53.6#
103 280.3 44.9 67.3#

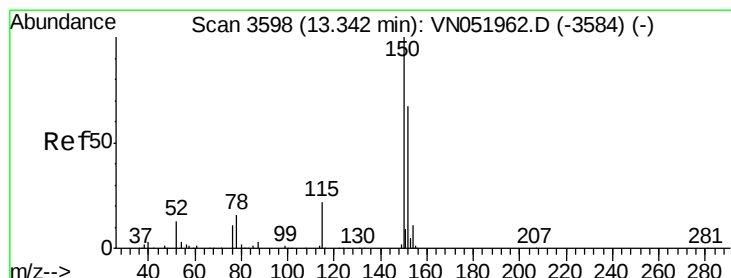
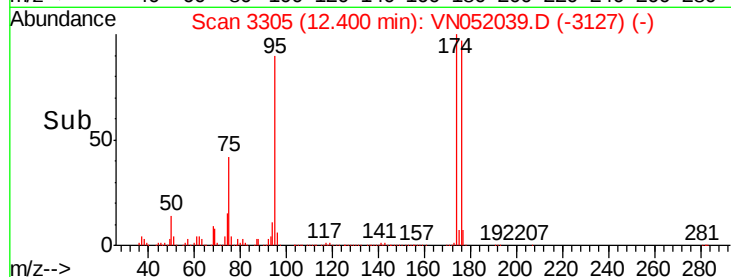
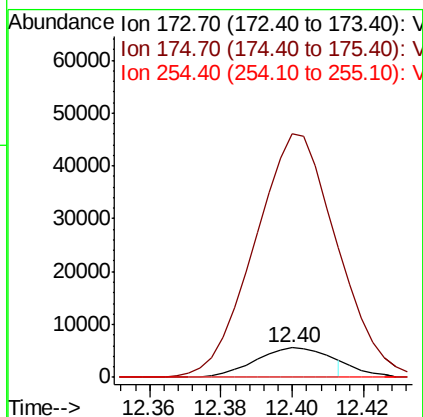
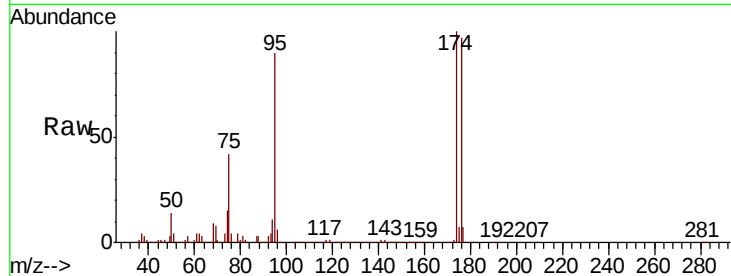




#71
Bromoform
Concen: 4.503 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

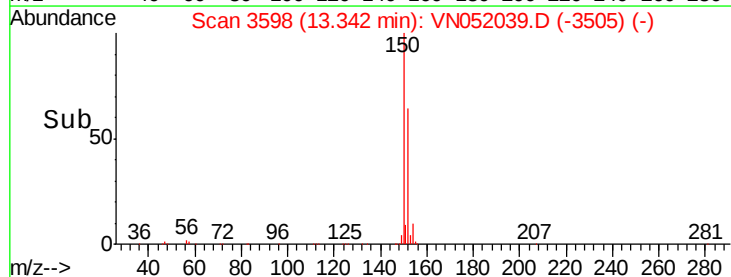
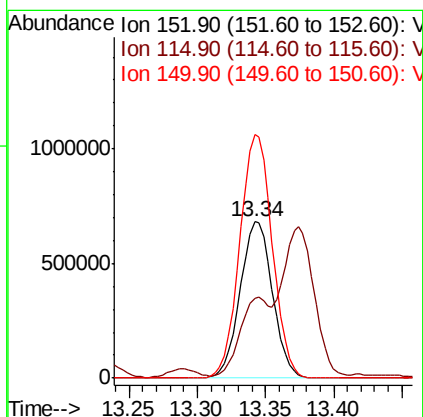
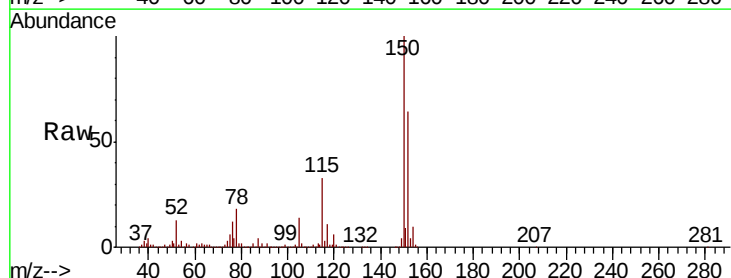
Instrument :
MSVOA_N
ClientSampleId :
DL-06B

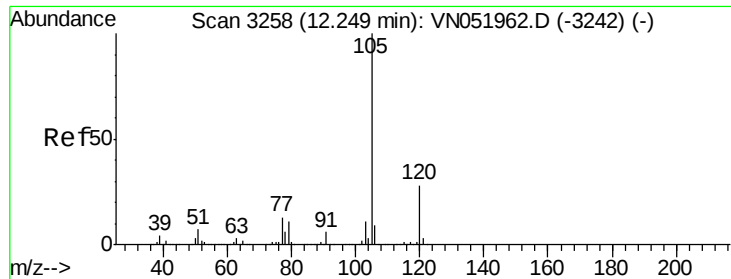
Tot Ion:173 Resp: 7947
Ion Ratio Lower Upper
173 100
175 823.9 24.6 74.0#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052039.D
Acq: 26 Oct 2018 20:07

Tgt Ion:152 Resp: 1123184
Ion Ratio Lower Upper
152 100
115 47.3 25.8 77.3
150 156.4 0.0 344.4





#73

Isopropylbenzene

Concen: 41.539 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

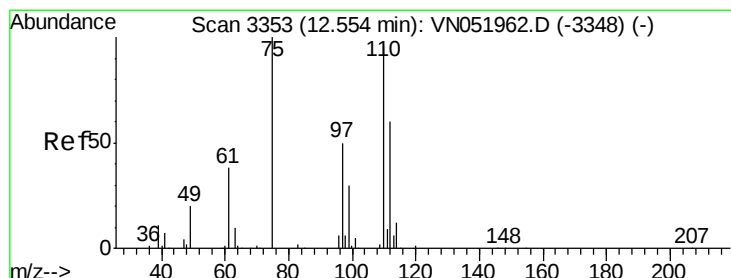
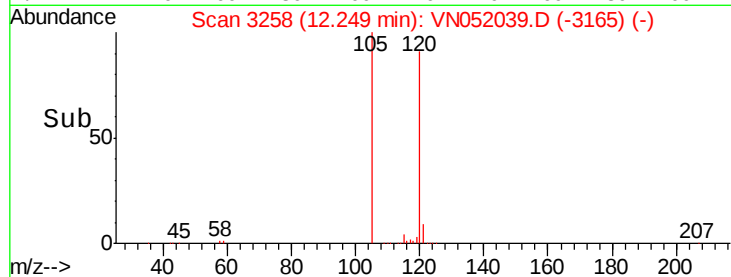
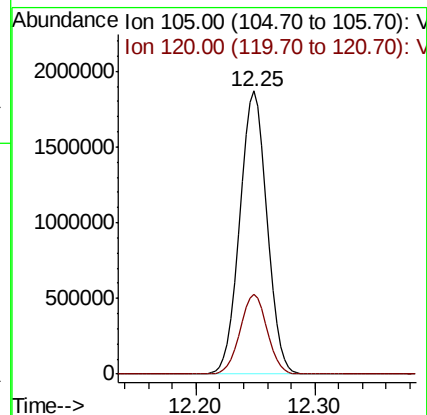
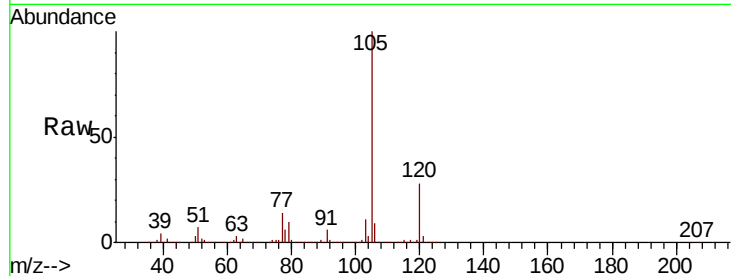
DL-06B

Tot Ion:105 Resp: 2958943

Ion Ratio Lower Upper

105 100

120 28.2 14.0 41.9



#76

1,2,3-Trichloropropane

Concen: 3.077 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.04 min

Lab File: VN052039.D

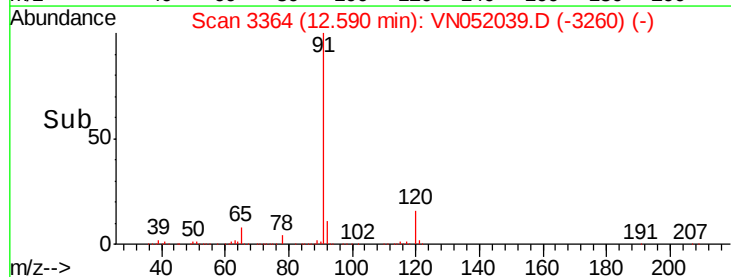
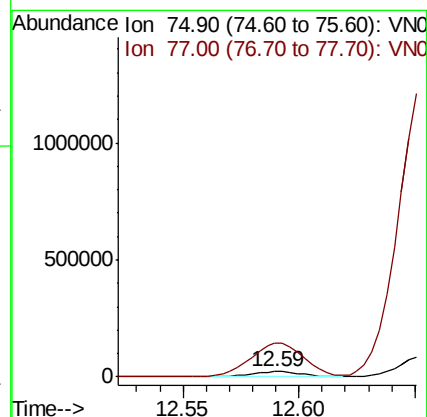
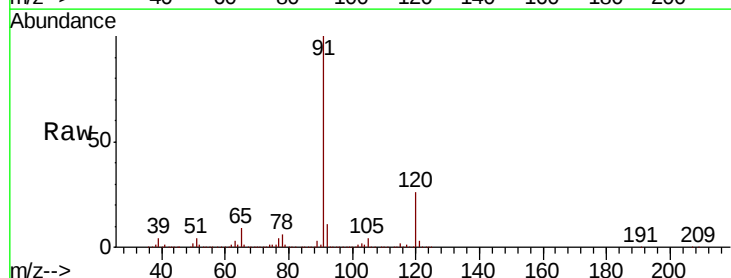
Acq: 26 Oct 2018 20:07

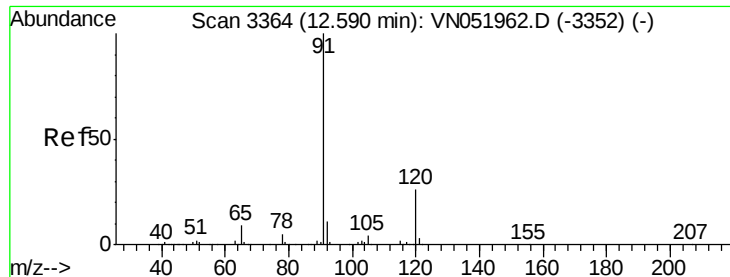
Tgt Ion: 75 Resp: 35704

Ion Ratio Lower Upper

75 100

77 644.8 0.0 0.0#





#78

n-propylbenzene

Concen: 83.016 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampled :

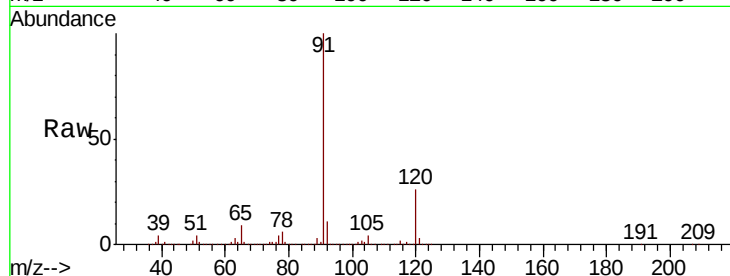
DL-06B

Tot Ion: 91 Resp: 6379092

Ion Ratio Lower Upper

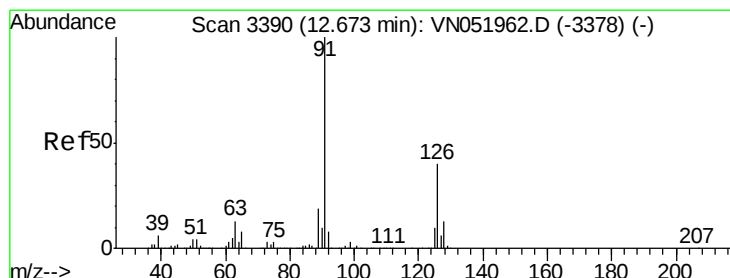
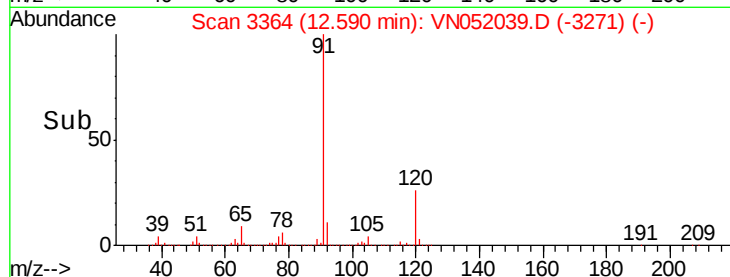
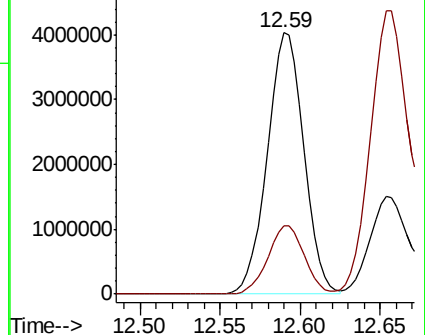
91 100

120 26.2 13.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN051962.D (-3352) (-)



#79

2-Chlorotoluene

Concen: 53.660 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. -0.02 min

Lab File: VN052039.D

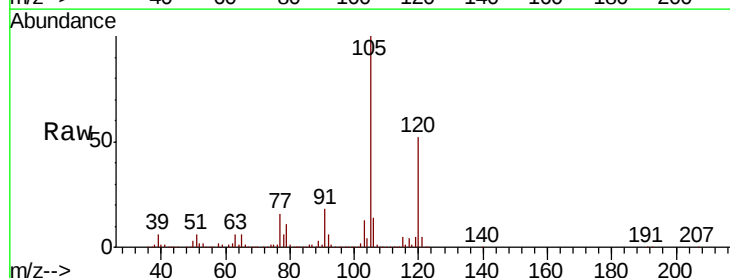
Acq: 26 Oct 2018 20:07

Tgt Ion: 91 Resp: 2401203

Ion Ratio Lower Upper

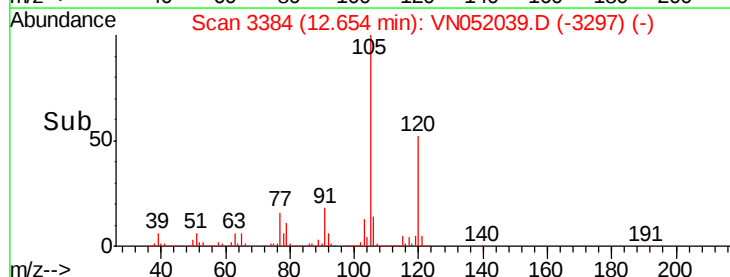
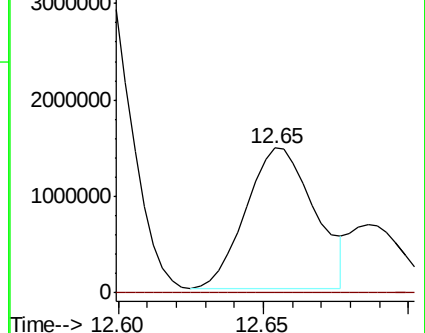
91 100

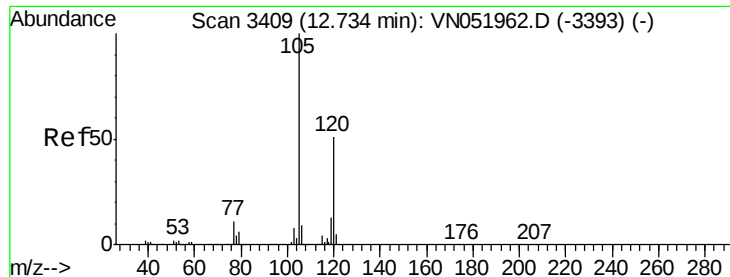
126 0.0 20.1 60.3#



Abundance Ion 91.00 (90.70 to 91.70): VN051962.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051962.D (-3378) (-)

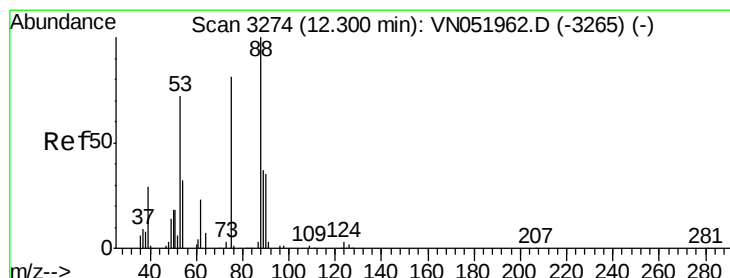
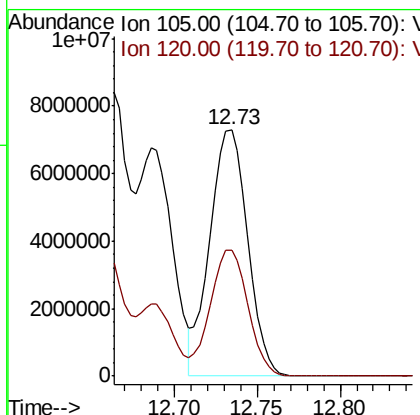
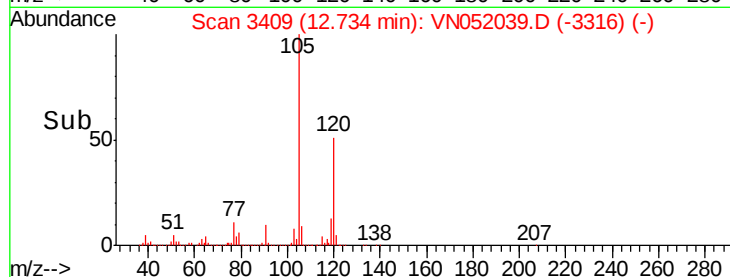
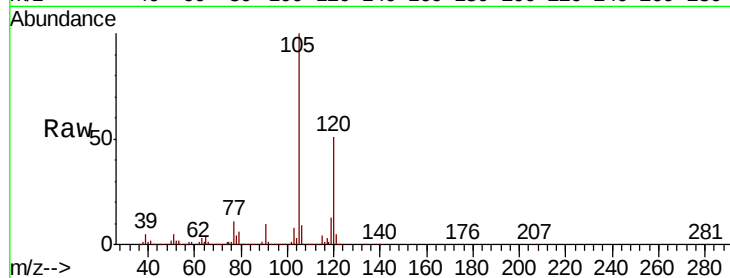




#80
 1,3,5-Trimethylbenzene
 Concen: 202.739 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN052039.D
 Acq: 26 Oct 2018 20:07

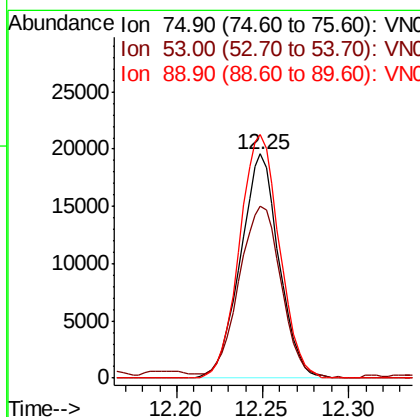
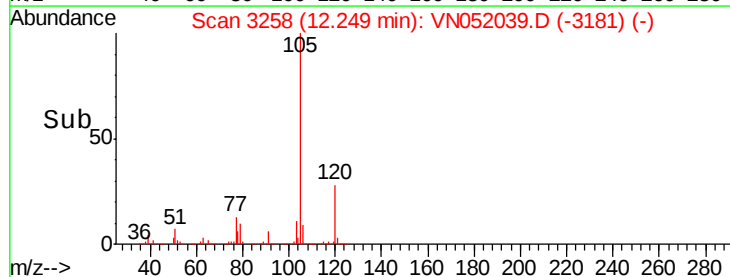
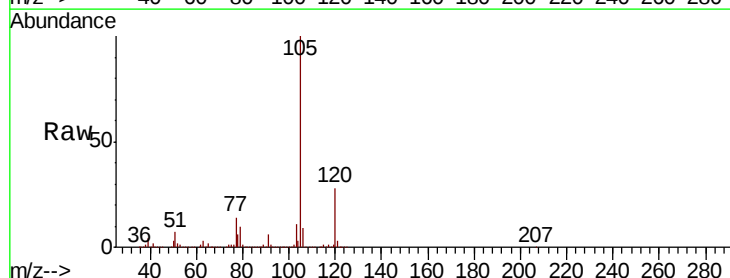
Instrument :
 MSVOA_N
 ClientSampled :
 DL-06B

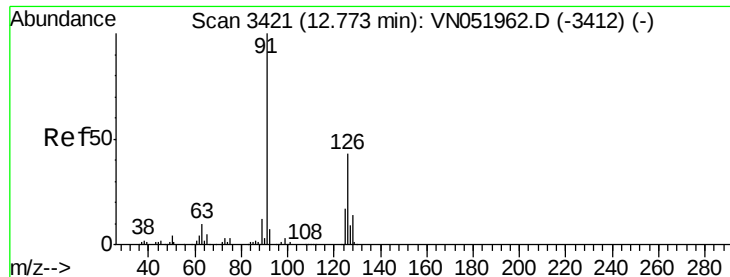
Tot Ion:105 Resp:11586444
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.7 77.1



#81
 trans-1,4-Dichloro-2-butene
 Concen: 9.939 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. -0.05 min
 Lab File: VN052039.D
 Acq: 26 Oct 2018 20:07

Tgt Ion: 75 Resp: 30378
 Ion Ratio Lower Upper
 75 100
 53 84.4 73.5 110.3
 89 112.3 41.6 62.4#





#82

4-Chlorotoluene

Concen: 24.779 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

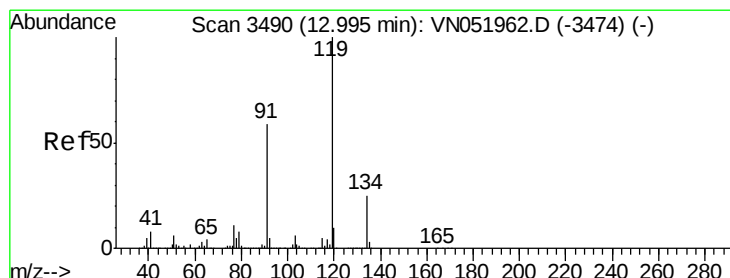
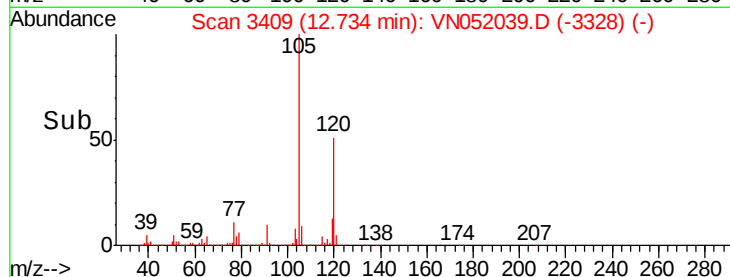
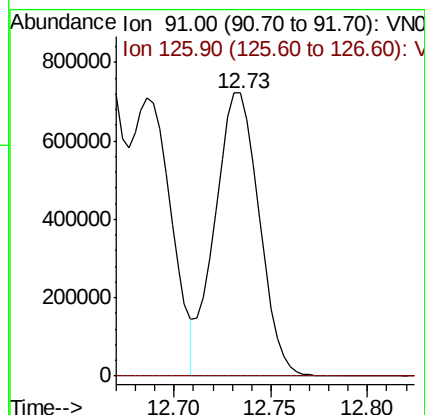
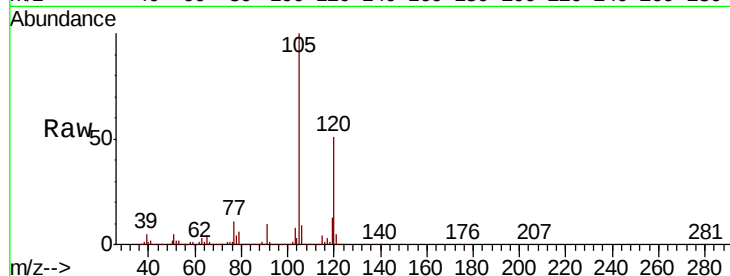
DL-06B

Tot Ion: 91 Resp: 1148039

Ion Ratio Lower Upper

91 100

126 0.0 19.7 59.0#



#83

tert-Butylbenzene

Concen: 106.814 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

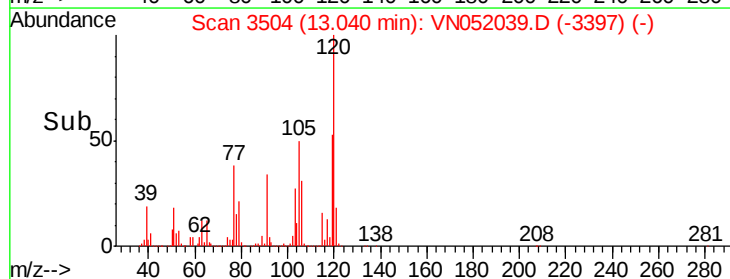
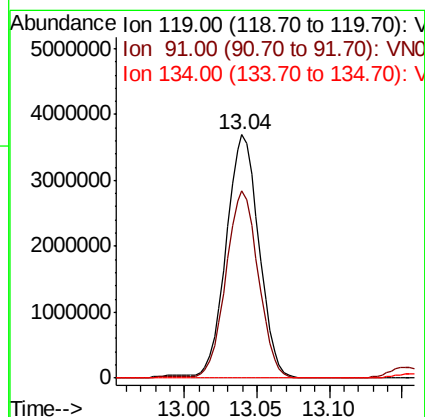
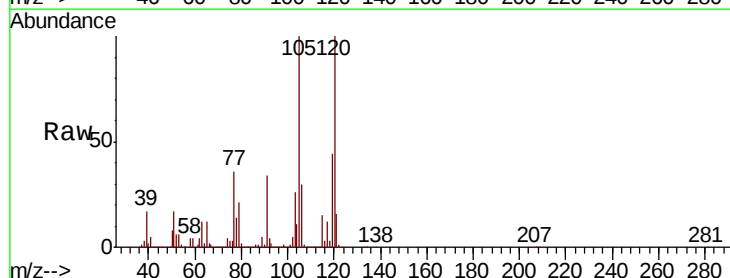
Tgt Ion: 119 Resp: 5773573

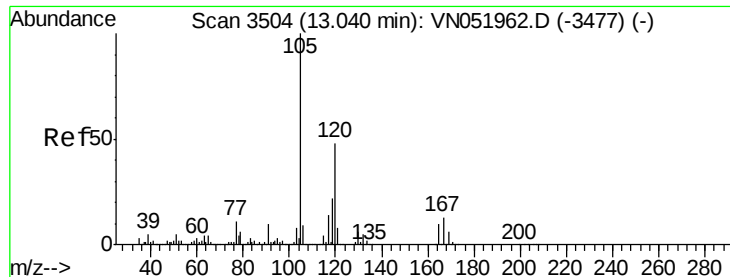
Ion Ratio Lower Upper

119 100

91 76.5 28.8 86.4

134 0.0 13.4 40.1#

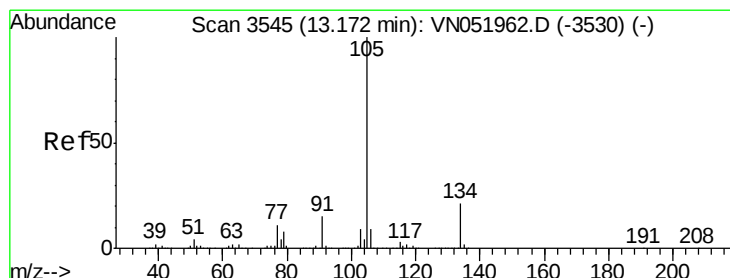
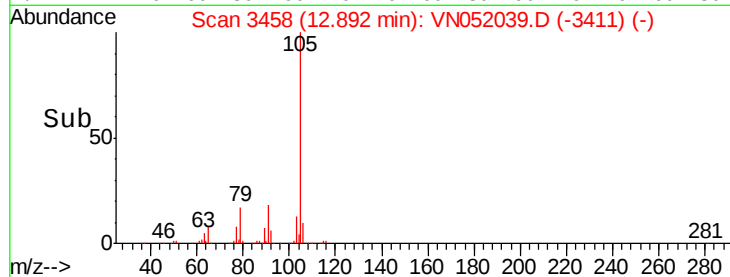
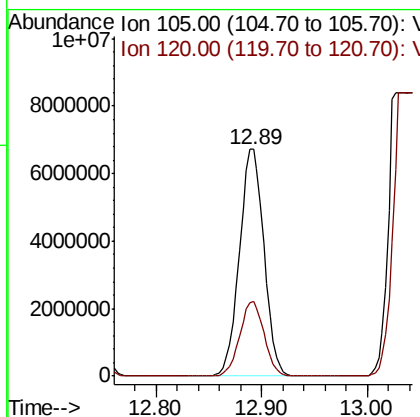
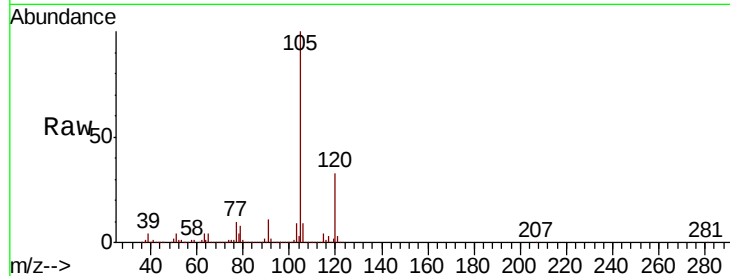




#84
 1,2,4-Trimethylbenzene
 Concen: 183.290 ug/l
 RT: 12.89 min Scan# 3458
 Delta R.T. -0.15 min
 Lab File: VN052039.D
 Acq: 26 Oct 2018 20:07

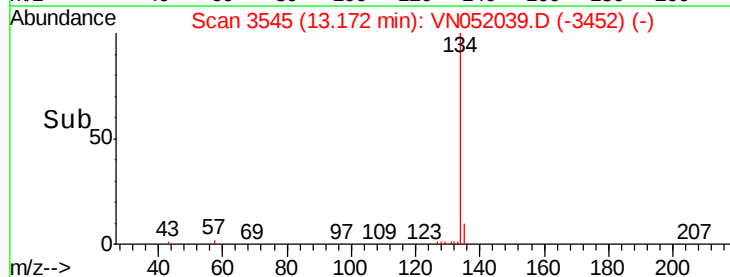
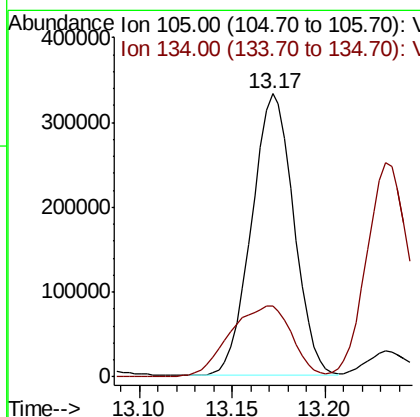
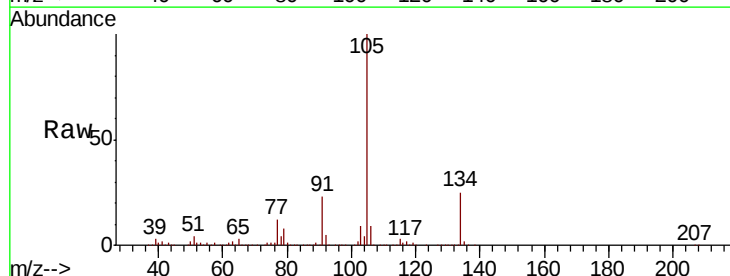
Instrument :
 MSVOA_N
 ClientSampleId :
 DL-06B

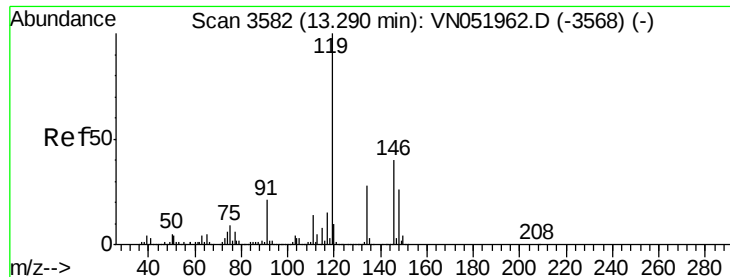
Tot Ion:105 Resp:10804994
 Ion Ratio Lower Upper
 105 100
 120 32.7 23.8 71.5



#85
 sec-Butylbenzene
 Concen: 7.397 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052039.D
 Acq: 26 Oct 2018 20:07

Tgt Ion:105 Resp: 522233
 Ion Ratio Lower Upper
 105 100
 134 37.1 10.9 32.9#

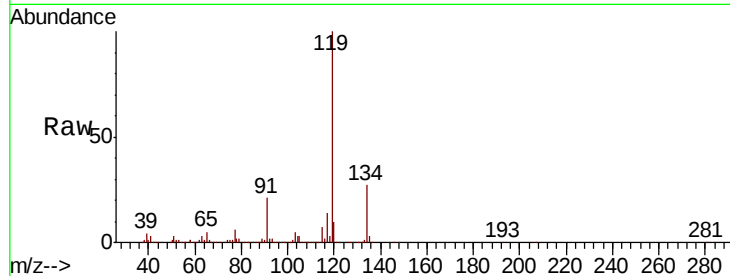




#86
 p-Isopropyltoluene
 Concen: 12.740 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052039.D
 Acq: 26 Oct 2018 20:07

Instrument :
 MSVOA_N
 ClientSampled :
 DL-06B

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.9	41.7
91	20.2	10.6	31.8

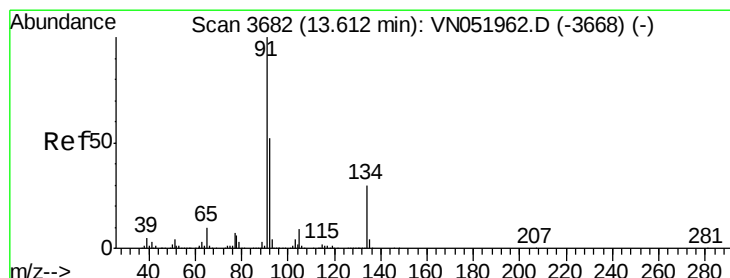
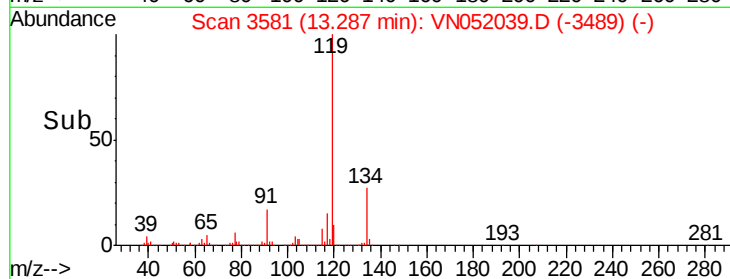
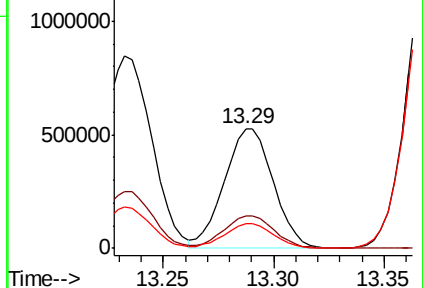


Abundance

Ion 119.00 (118.70 to 119.70): V

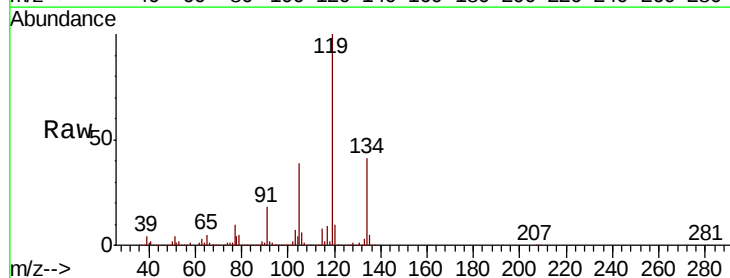
Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#89
 n-Butylbenzene
 Concen: 30.504 ug/l
 RT: 13.58 min Scan# 3673
 Delta R.T. -0.03 min
 Lab File: VN052039.D
 Acq: 26 Oct 2018 20:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.9	77.8#
134	404.3	15.2	45.6#

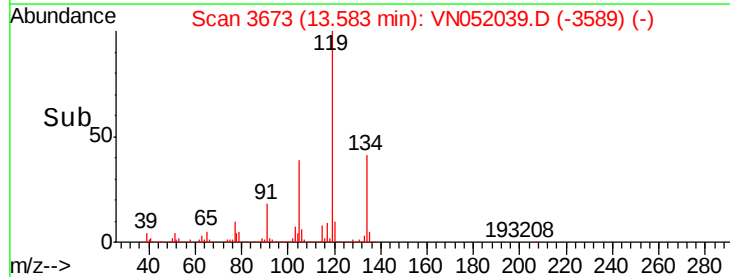
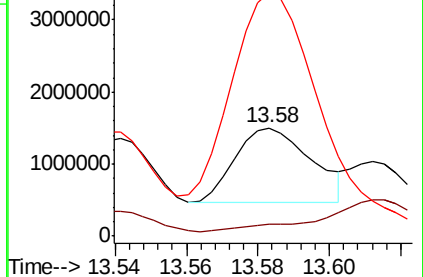


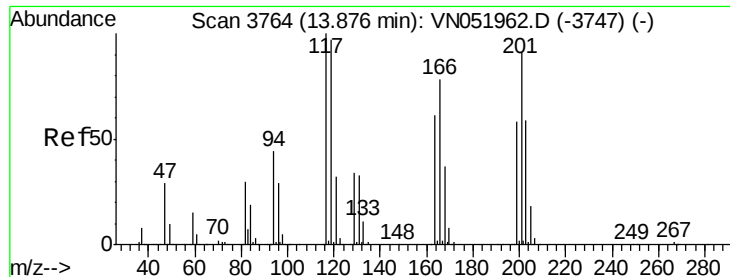
Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 280.596 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

Instrument :

MSVOA_N

ClientSampleId :

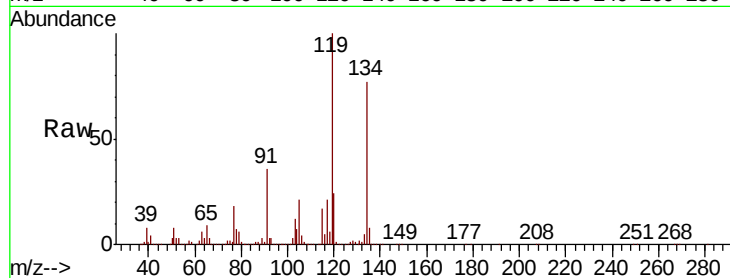
DL-06B

Tot Ion:117 Resp: 2656919

Ion Ratio Lower Upper

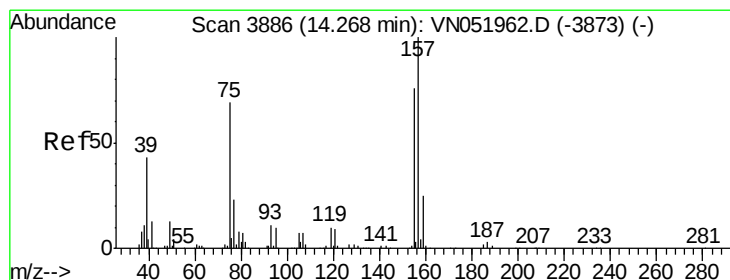
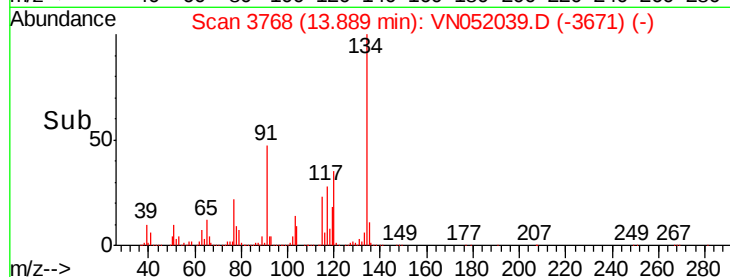
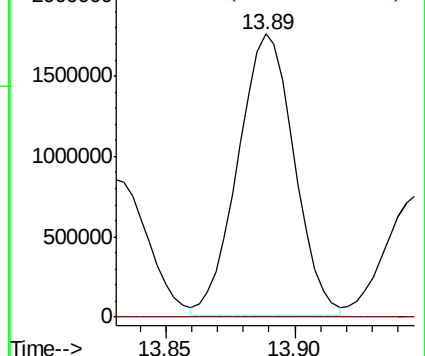
117 100

201 0.0 45.6 136.9#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 88.050 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN052039.D

Acq: 26 Oct 2018 20:07

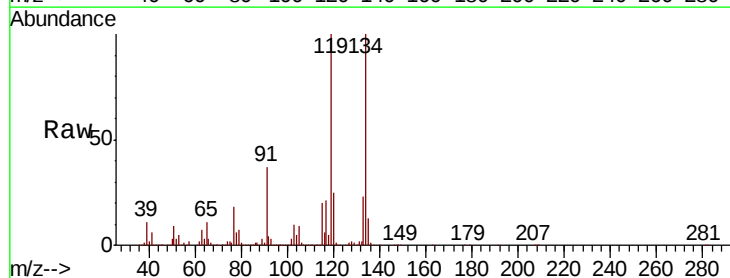
Tgt Ion: 75 Resp: 198983

Ion Ratio Lower Upper

75 100

155 0.0 56.0 167.9#

157 0.0 73.9 221.6#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

