

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050731.D
 Acq On : 17 Aug 2018 15:37
 Operator : MD\SY
 Sample : J4548-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 23:14:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	2863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	616306	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	503297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	7659	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	231942	6427.07	ug/l	0.00
Spiked Amount			Recovery	=	12854.14%	
35) Dibromofluoromethane	7.59	113	1291	0.26	ug/l	0.00
Spiked Amount			Recovery	=	0.52%	
50) Toluene-d8	10.09	98	693772	37.46	ug/l	0.00
Spiked Amount			Recovery	=	74.92%	
62) 4-Bromofluorobenzene	12.40	95	204108	33.36	ug/l	0.00
Spiked Amount			Recovery	=	66.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2065	52.53	ug/l	94
4) Vinyl Chloride	2.18	62	293	6.83	ug/l #	42
5) Bromomethane	2.56	94	2765	123.03	ug/l	88
6) Chloroethane	2.72	64	157	5.17	ug/l #	43
10) Methyl Iodide	3.95	142	572	27.31	ug/l #	42
11) Tert butyl alcohol	4.78	59	109	55.32	ug/l #	72
12) 1,1-Dichloroethene	3.53	96	63	2.03	ug/l #	1
13) Acrolein	3.60	56	164	217.13	ug/l #	14
14) Allyl chloride	4.07	41	68513	1417.86	ug/l #	63
16) Acetone	3.82	43	4531955	505876.42	ug/l	100
17) Carbon Disulfide	4.05	76	13918	142.37	ug/l	96
18) Methyl Acetate	4.34	43	13779	553.65	ug/l #	88
20) Methylene Chloride	4.55	84	1728	50.39	ug/l #	84
22) Diisopropyl ether	5.95	45	146	1.47	ug/l #	36
23) Vinyl Acetate	5.91	43	325	5.01	ug/l #	72
25) 2-Butanone	6.84	43	72048	4869.24	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	304	8.11	ug/l #	21
28) Bromochloromethane	7.20	49	173203	5936.80	ug/l	98
29) Tetrahydrofuran	7.22	42	594	76.88	ug/l #	45
30) Chloroform	7.38	83	29	0.45	ug/l #	17
37) Ethyl Acetate	6.94	43	5633	1.45	ug/l #	71
41) Methacrylonitrile	7.19	41	686	0.33	ug/l #	17
43) Isopropyl Acetate	8.28	43	126266	17.87	ug/l #	60
51) 4-Methyl-2-Pentanone	9.99	43	15677	3.28	ug/l	93
52) Toluene	10.16	92	1303880	104.63	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	14864	2.28	ug/l #	1
56) Ethyl methacrylate	10.43	69	30	1.91	ug/l #	28
59) 2-Hexanone	10.76	43	1529	0.50	ug/l	84
70) Styrene	11.97	104	905	1.01	ug/l	92
71) Bromoform	12.41	173	1747	0.56	ug/l #	1
73) Isopropylbenzene	12.25	105	353	0.59	ug/l #	48
74) N-amyl acetate	11.81	43	115988	745.02	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.44	83	903	4.38	ug/l #	33
76) 1,2,3-Trichloropropane	12.40	75	96773	797.37	ug/l #	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
 Data File : VN050731.D
 Acq On : 17 Aug 2018 15:37
 Operator : MD\SY
 Sample : J4548-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 17 23:14:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

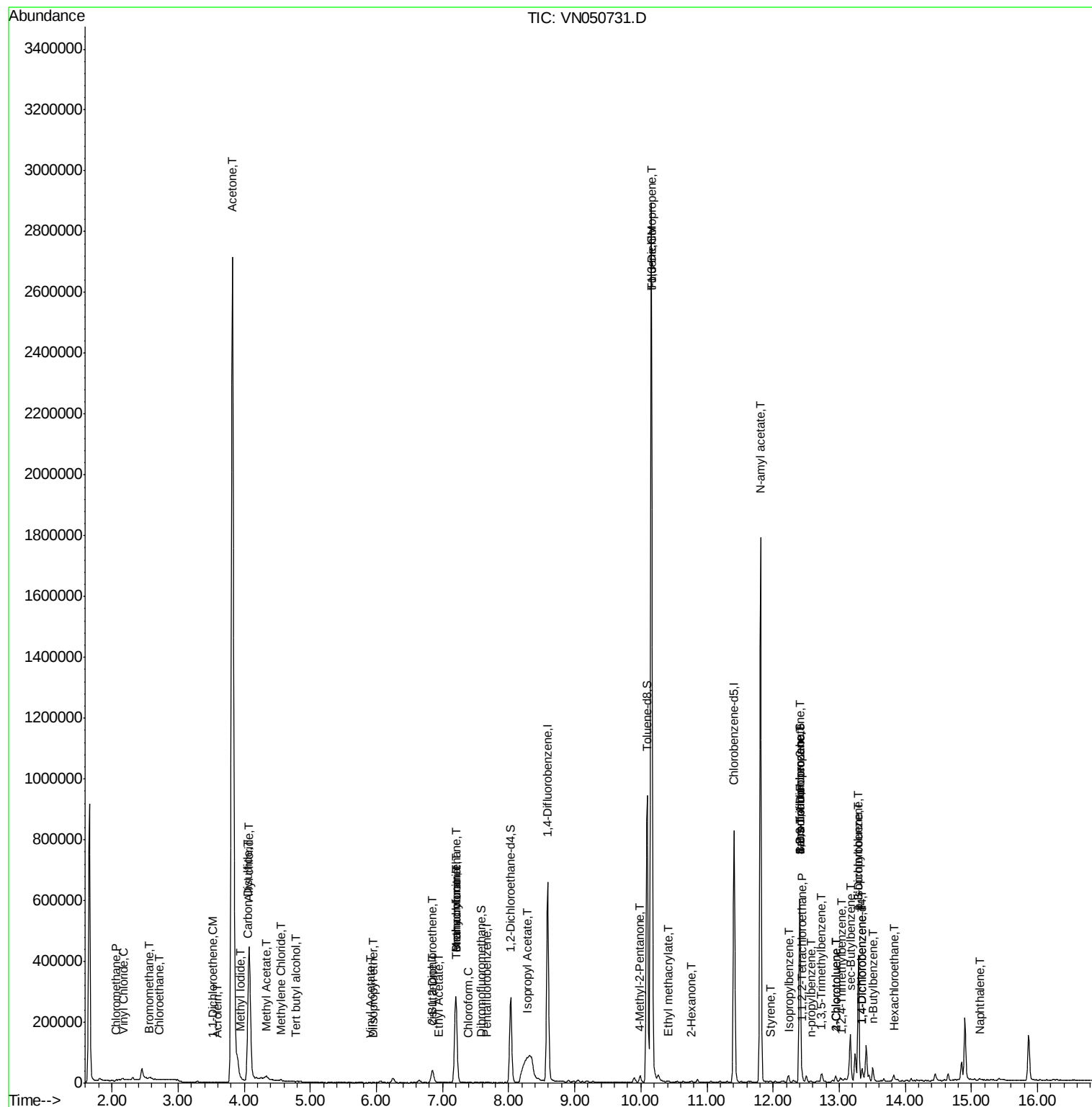
78) n-propylbenzene	12.59	91	1270	1.90	ug/l	79
79) 2-Chlorotoluene	12.94	91	593	1.43	ug/l	87
80) 1,3,5-Trimethylbenzene	12.74	105	1409	2.94	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	96773	2809.07	ug/l #	13
82) 4-Chlorotoluene	12.94	91	627	1.53	ug/l	85
84) 1,2,4-Trimethylbenzene	13.04	105	3905	8.12	ug/l	80
85) sec-Butylbenzene	13.16	105	807	1.48	ug/l #	56
86) p-Isopropyltoluene	13.29	119	224501	487.49	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	104	0.38	ug/l #	18
88) 1,4-Dichlorobenzene	13.36	146	286	1.04	ug/l #	70
89) n-Butylbenzene	13.51	91	7924	21.31	ug/l	76
90) Hexachloroethane	13.84	117	217	2.34	ug/l #	4
95) Naphthalene	15.13	128	2193	10.73	ug/l #	69

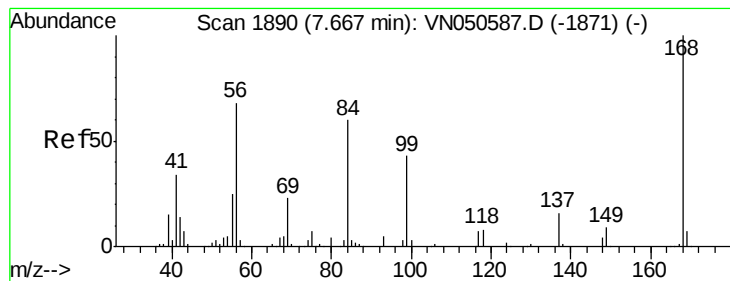
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081718\
Data File : VN050731.D
Acq On : 17 Aug 2018 15:37
Operator : MD\SY
Sample : J4548-01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 17 23:14:38 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

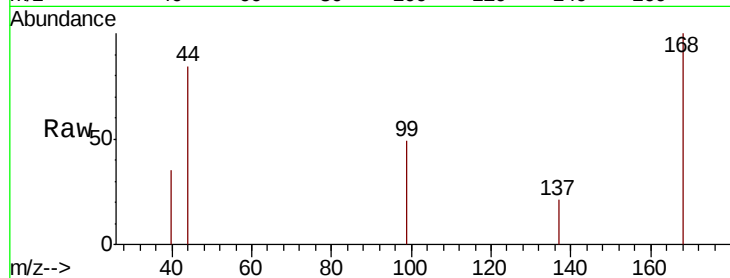
ClientSampled :

Tot Ion:168 Resp: 2863

Ion Ratio Lower Upper

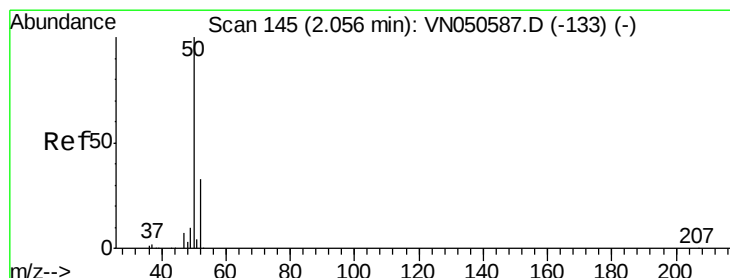
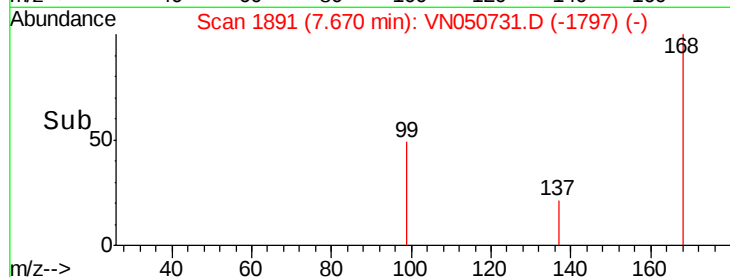
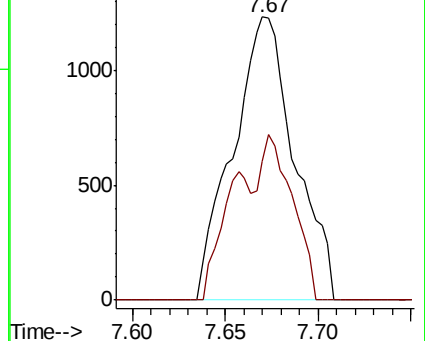
168 100

99 49.0 40.8 61.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 52.53 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050731.D

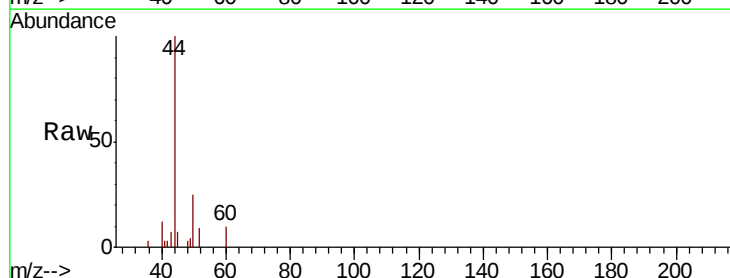
Acq: 17 Aug 2018 15:37

Tgt Ion: 50 Resp: 2065

Ion Ratio Lower Upper

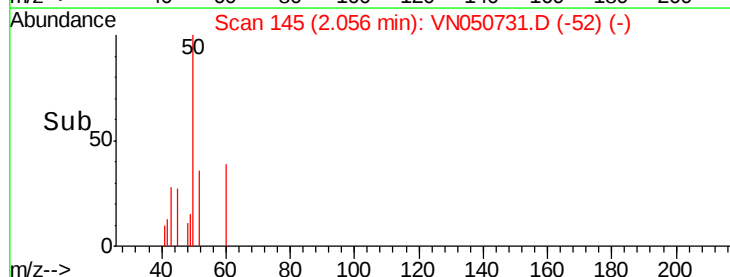
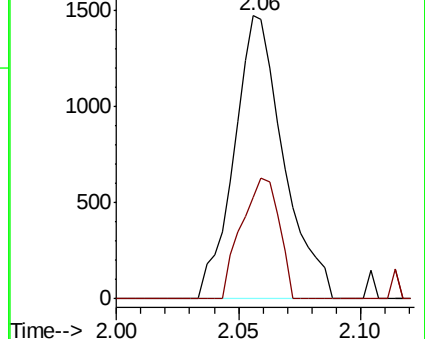
50 100

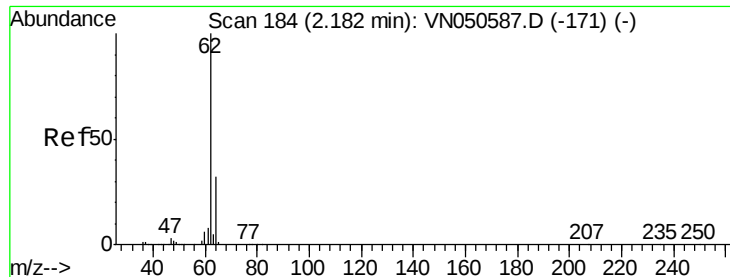
52 35.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: 6.83 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

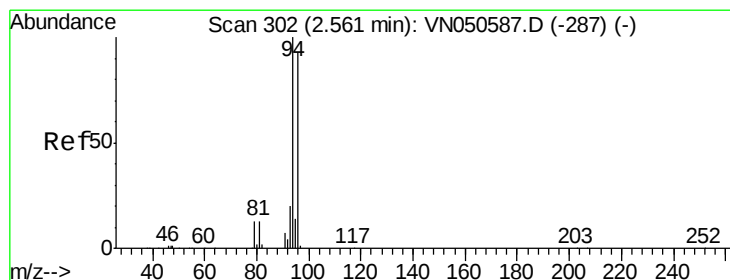
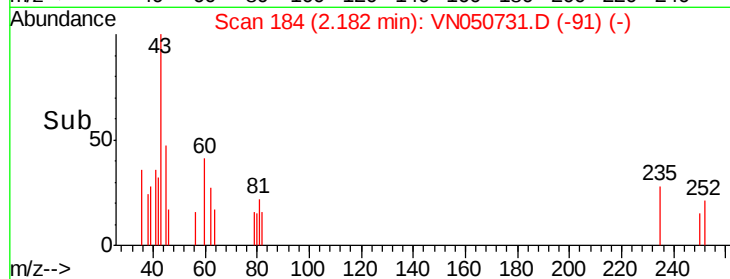
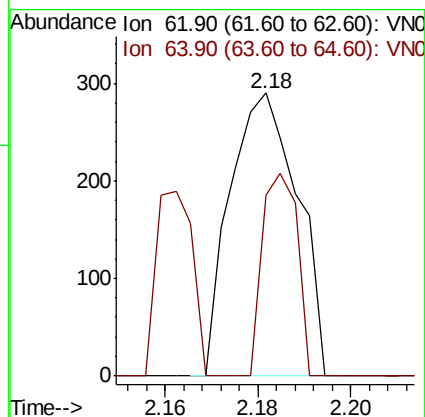
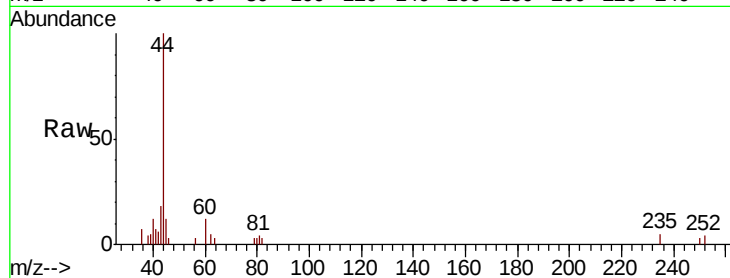
ClientSampleId :

Tot Ion: 62 Resp: 293

Ion Ratio Lower Upper

62 100

64 63.8 25.2 37.8#



#5

Bromomethane

Concen: 123.03 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050731.D

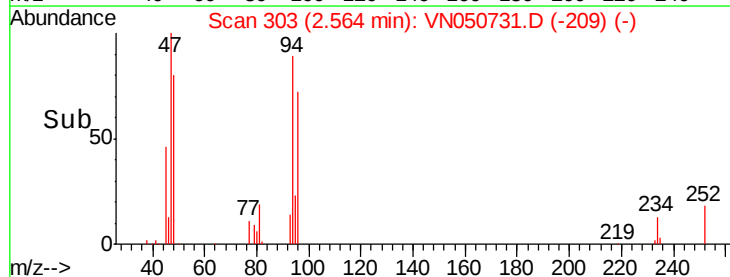
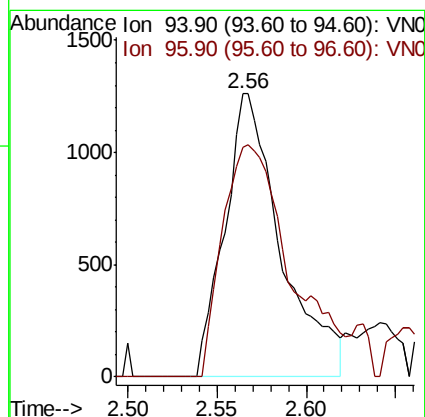
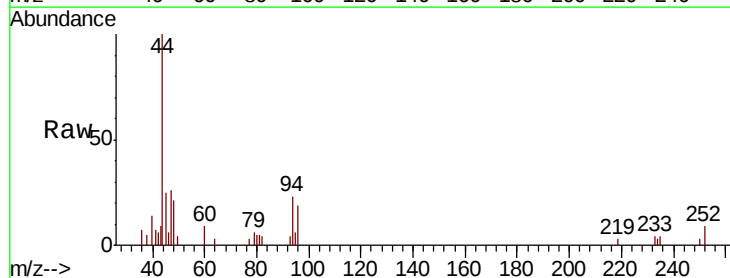
Acq: 17 Aug 2018 15:37

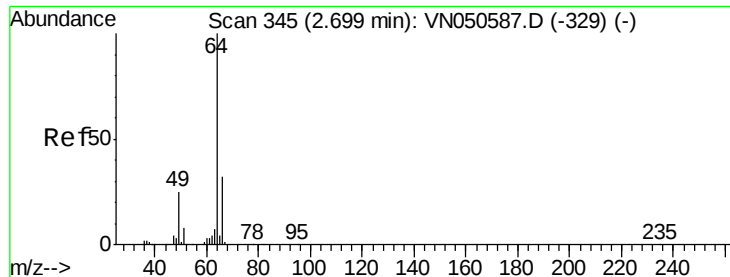
Tgt Ion: 94 Resp: 2765

Ion Ratio Lower Upper

94 100

96 81.0 74.0 111.0





#6

Chloroethane

Concen: 5.17 ug/l

RT: 2.72 min Scan# 352

Delta R.T. 0.02 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

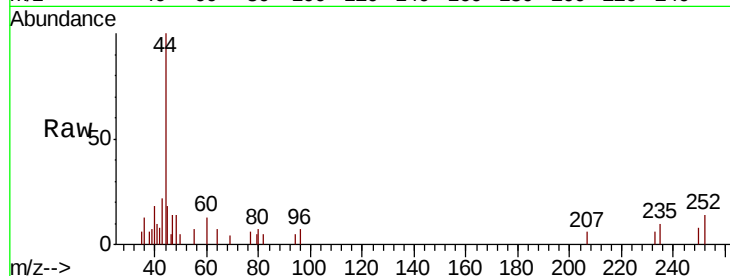
ClientSampled :

Tot Ion: 64 Resp: 157

Ion Ratio Lower Upper

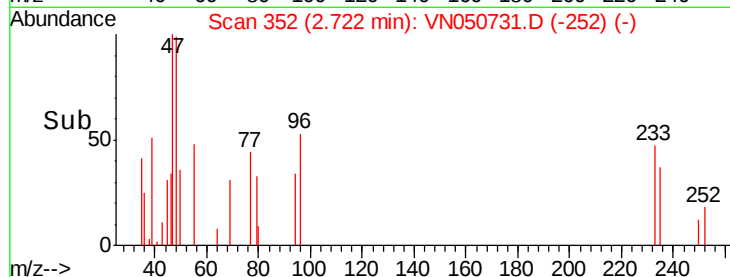
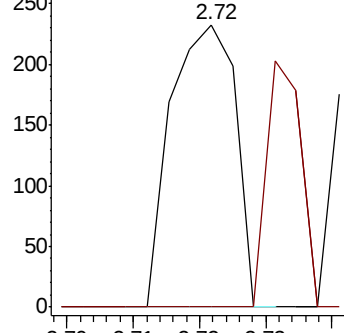
64 100

66 0.0 25.7 38.5#

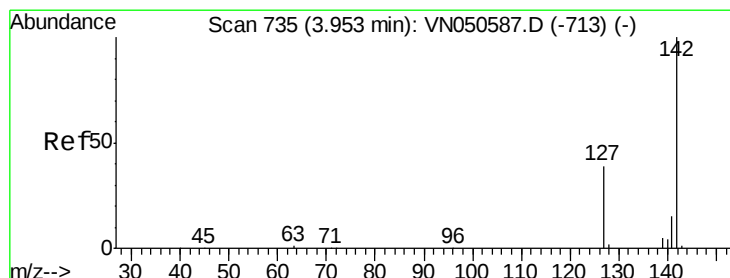


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->



#10

Methyl Iodide

Concen: 27.31 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

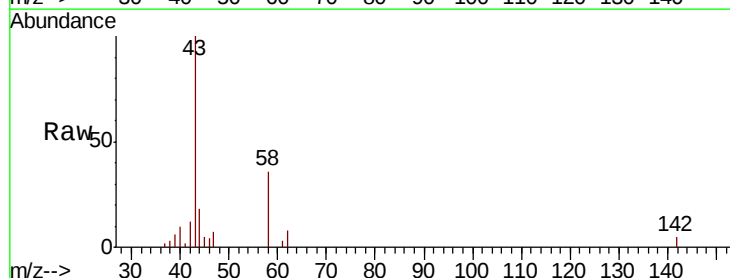
Tgt Ion: 142 Resp: 572

Ion Ratio Lower Upper

142 100

127 0.0 32.6 49.0#

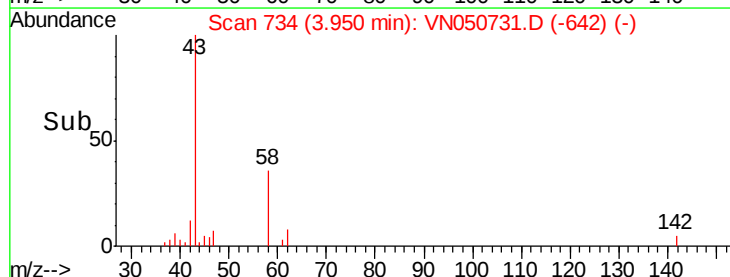
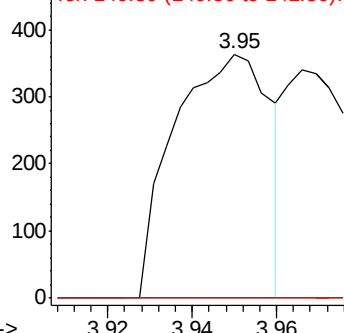
141 0.0 11.5 17.3#



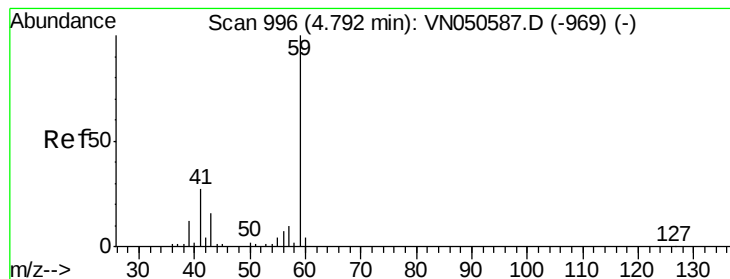
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->

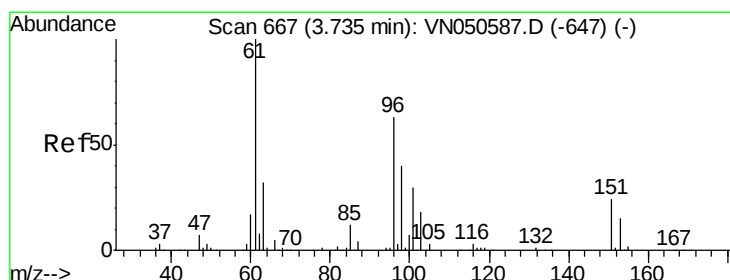
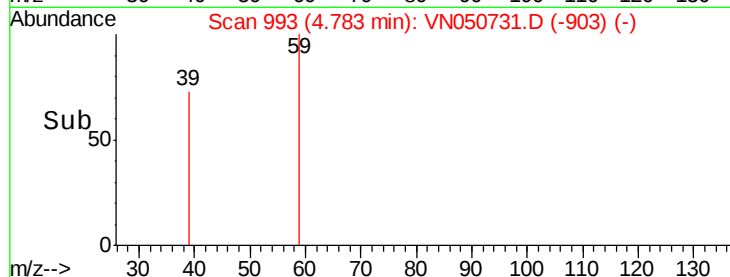
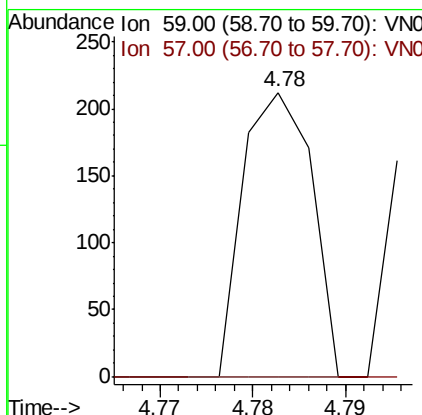
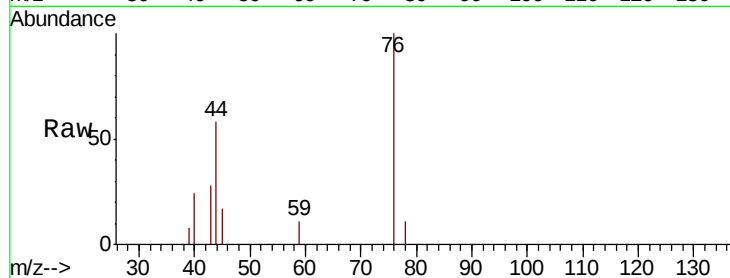


#11

Tert butyl alcohol
Concen: 55.32 ug/l
RT: 4.78 min Scan# 993
Delta R.T. -0.01 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Instrument :
MSVOA_N
ClientSampled :

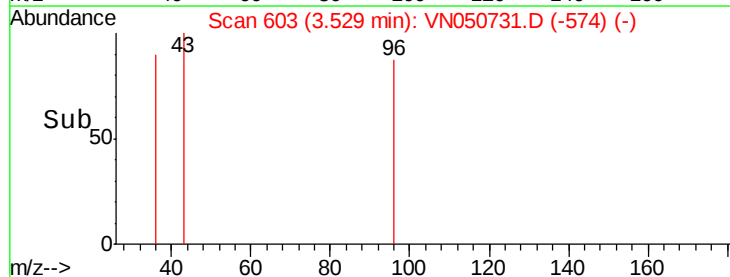
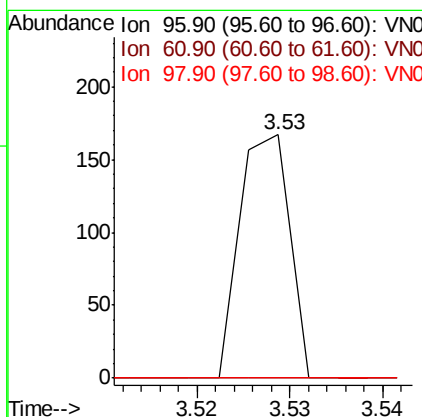
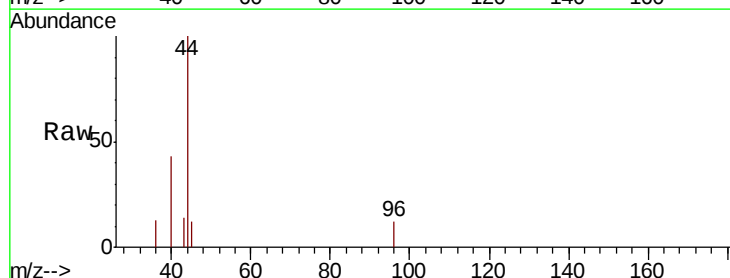
Tot Ion: 59 Resp: 109
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

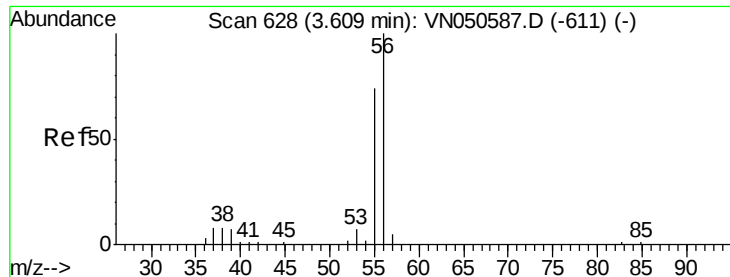


#12

1,1-Dichloroethene
Concen: 2.03 ug/l
RT: 3.53 min Scan# 603
Delta R.T. -0.21 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Tgt Ion: 96 Resp: 63
Ion Ratio Lower Upper
96 100
61 0.0 126.9 190.3#
98 0.0 51.1 76.7#





#13

Acrolein

Concen: 217.13 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.01 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

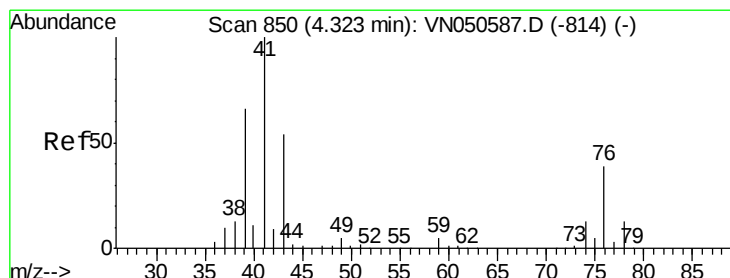
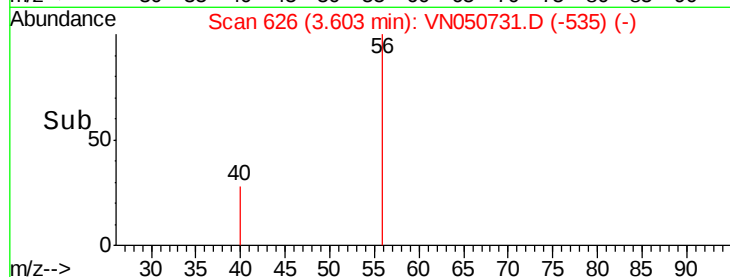
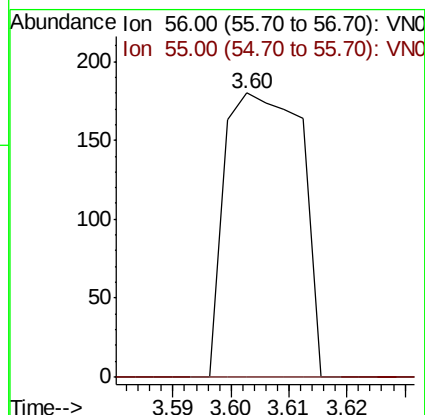
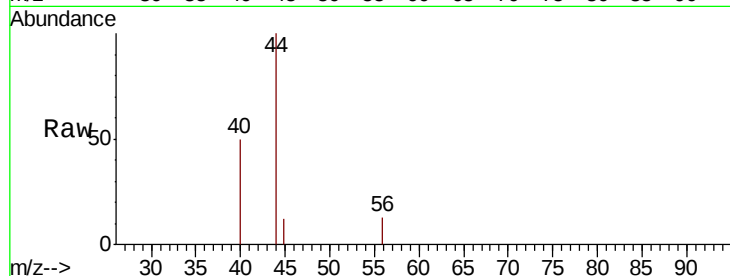
ClientSampleId :

Tot Ion: 56 Resp: 164

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#



#14

Allyl chloride

Concen: 1417.86 ug/l

RT: 4.07 min Scan# 771

Delta R.T. -0.25 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

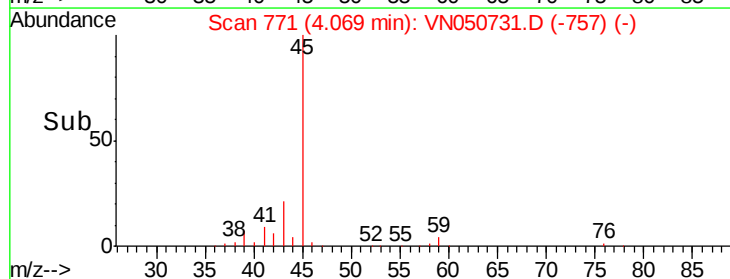
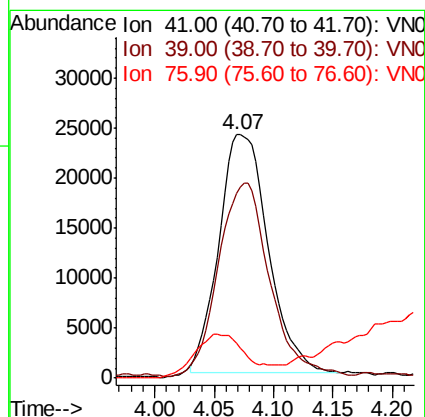
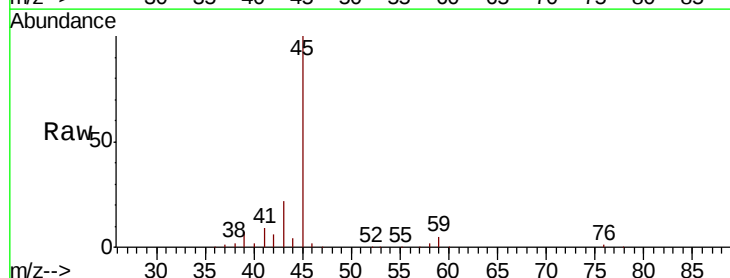
Tgt Ion: 41 Resp: 68513

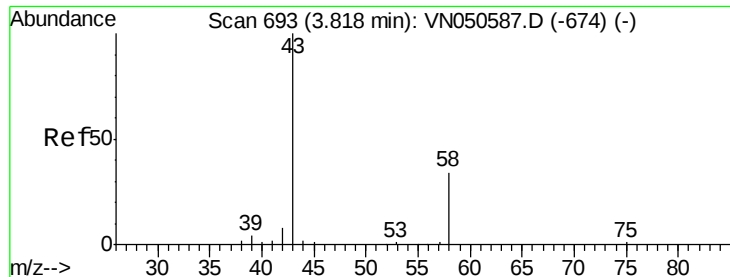
Ion Ratio Lower Upper

41 100

39 82.3 51.4 77.0#

76 0.0 29.4 44.0#





#16

Acetone

Concen: 505876.42 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

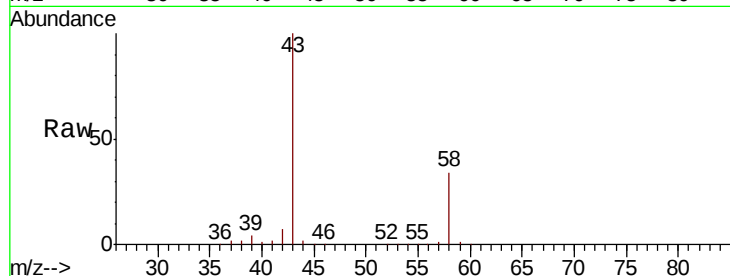
ClientSampled :

Tot Ion: 43 Resp: 4531955

Ion Ratio Lower Upper

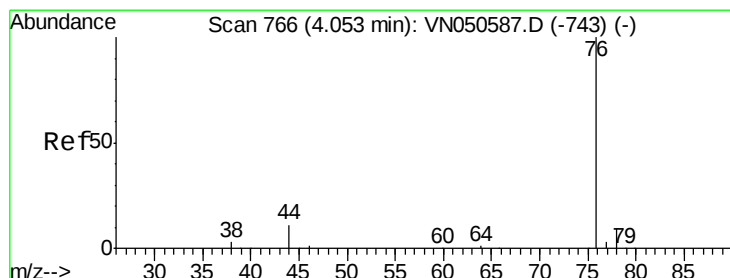
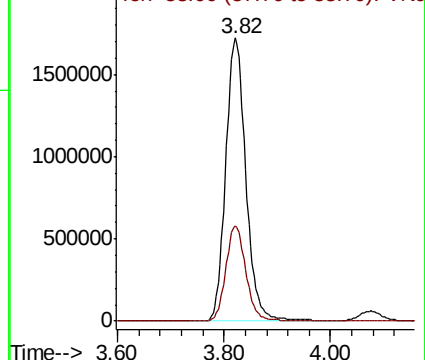
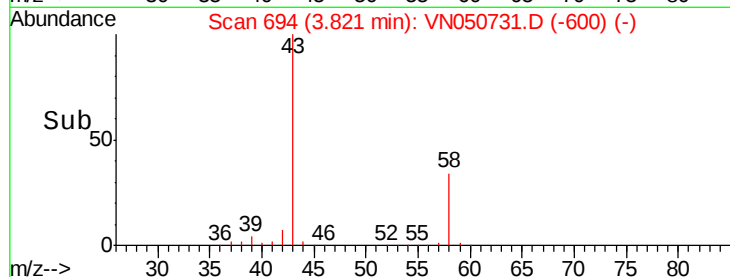
43 100

58 33.7 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN050731.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN050731.D (-600) (-)



#17

Carbon Disulfide

Concen: 142.37 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050731.D

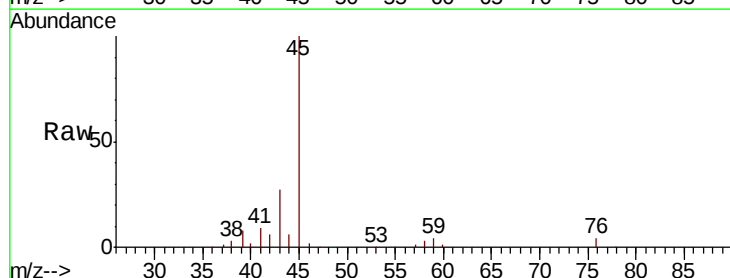
Acq: 17 Aug 2018 15:37

Tgt Ion: 76 Resp: 13918

Ion Ratio Lower Upper

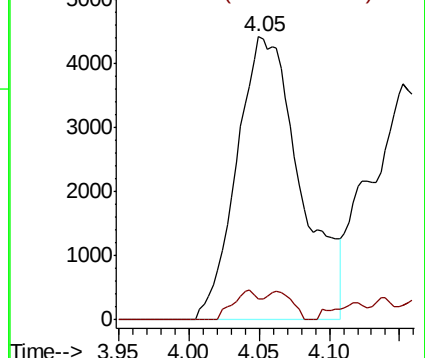
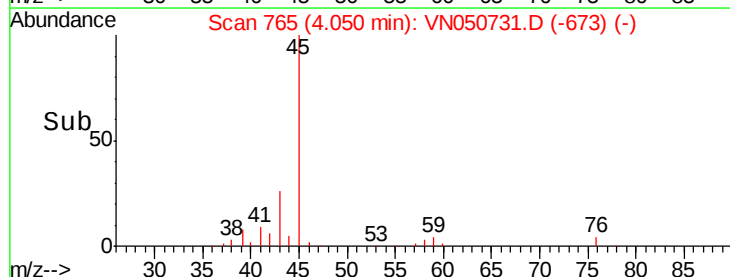
76 100

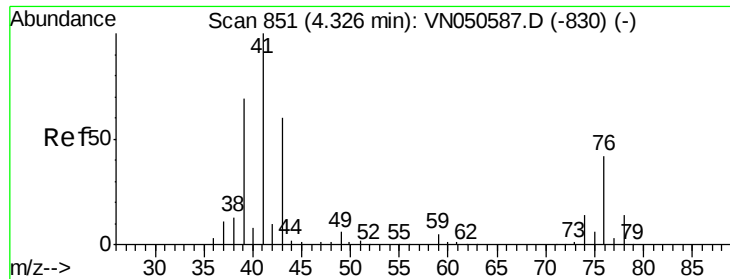
78 7.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN050731.D (-673) (-)

Ion 77.90 (77.60 to 78.60): VN050731.D (-673) (-)

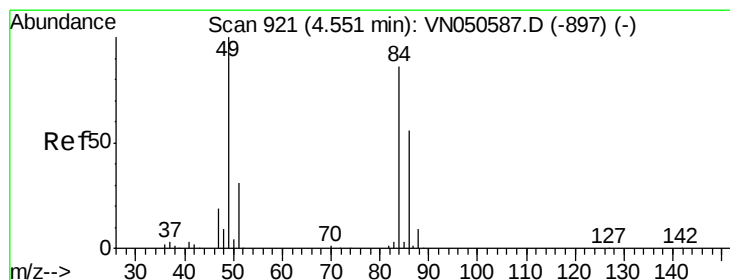
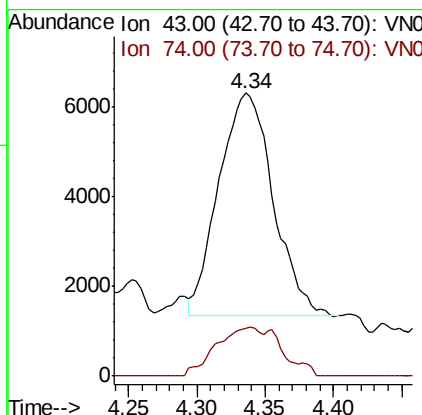
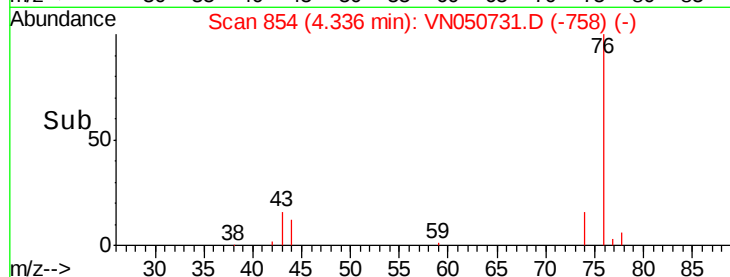
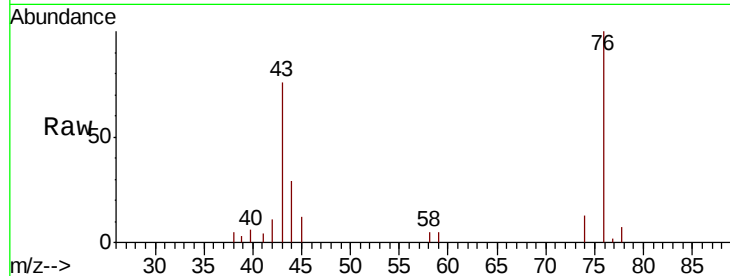




#18
Methyl Acetate
Concen: 553.65 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

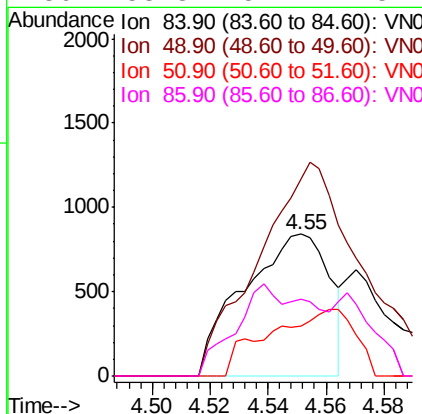
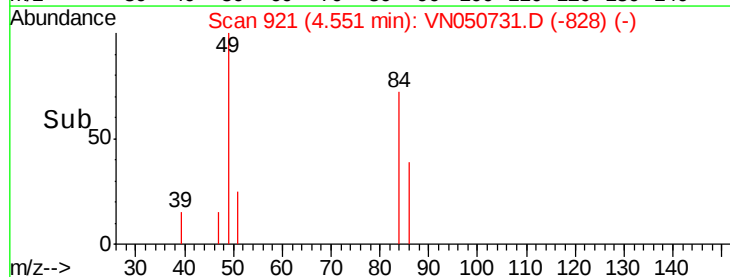
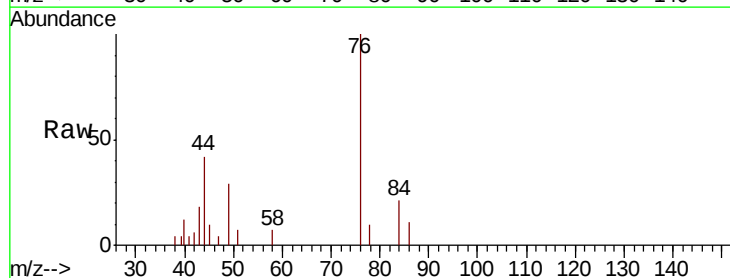
Instrument :
MSVOA_N
ClientSampled :

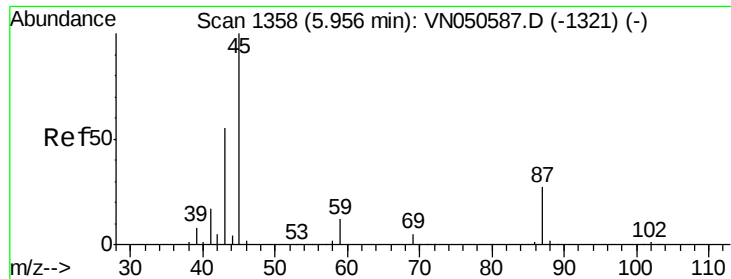
Tot Ion: 43 Resp: 13779
Ion Ratio Lower Upper
43 100
74 18.4 19.7 29.5#



#20
Methylene Chloride
Concen: 50.39 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Tgt Ion: 84 Resp: 1728
Ion Ratio Lower Upper
84 100
49 139.0 92.6 138.8#
51 35.4 28.6 43.0
86 53.8 52.2 78.2





#22

Diisopropyl ether

Concen: 1.47 ug/l

RT: 5.95 min Scan# 1357

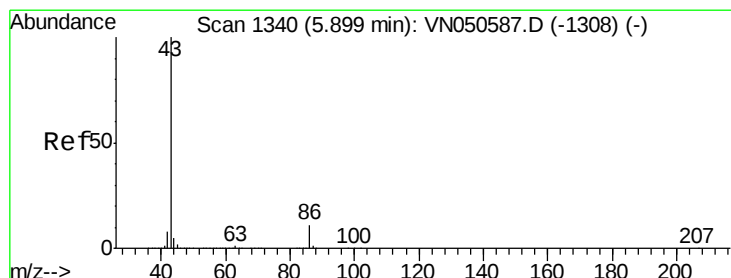
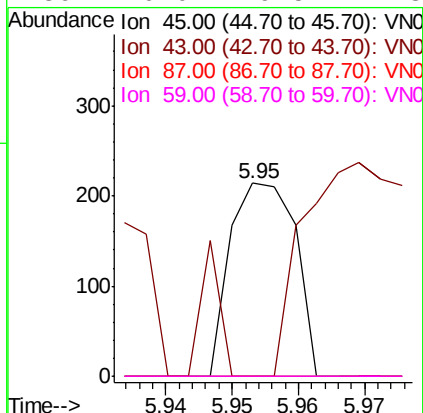
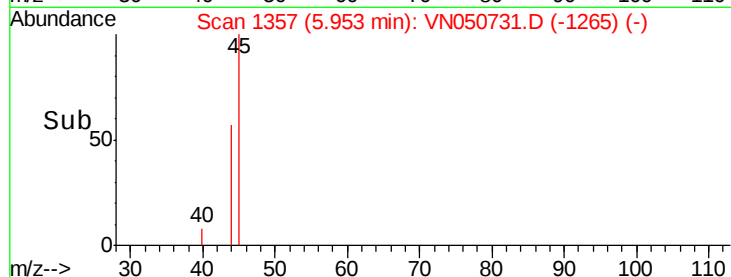
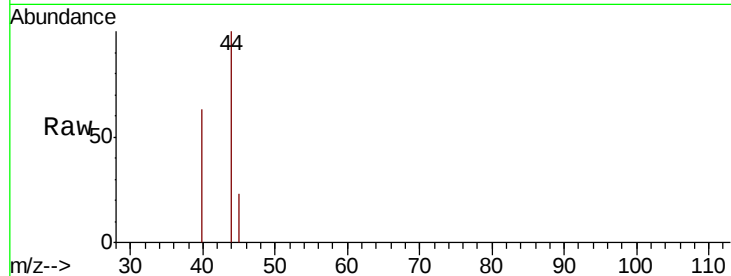
Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	45	Resp:	146
Ion	Ratio	Lower	Upper
45	100		
43	0.0	44.5	66.7#
87	0.0	22.2	33.2#
59	0.0	9.5	14.3#



#23

Vinyl Acetate

Concen: 5.01 ug/l

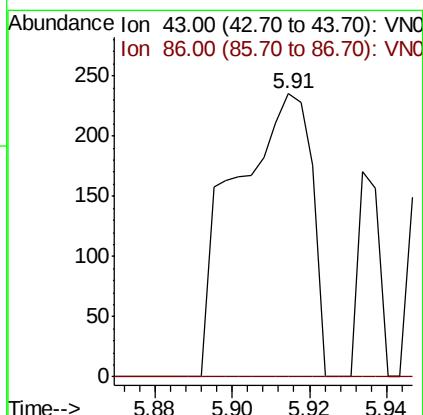
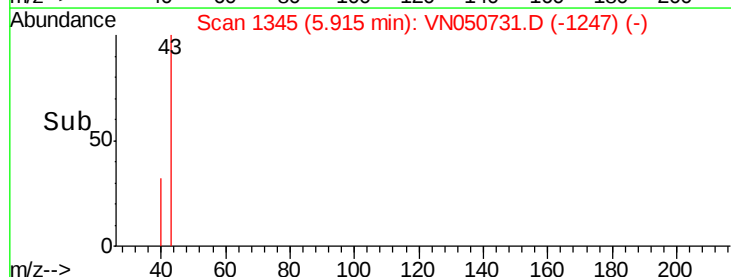
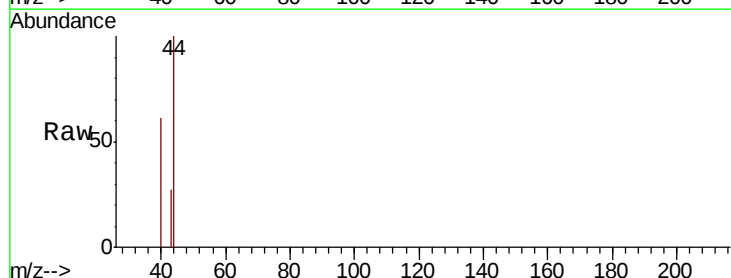
RT: 5.91 min Scan# 1345

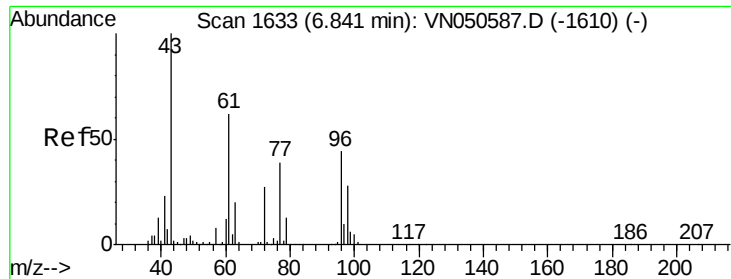
Delta R.T. 0.02 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Tgt Ion:	43	Resp:	325
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.4	12.6#





#25

2-Butanone

Concen: 4869.24 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

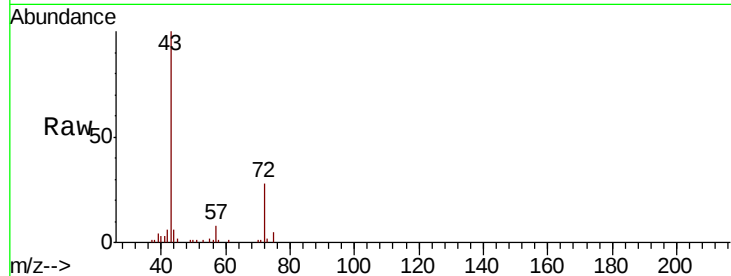
ClientSampled :

Tot Ion: 43 Resp: 72048

Ion Ratio Lower Upper

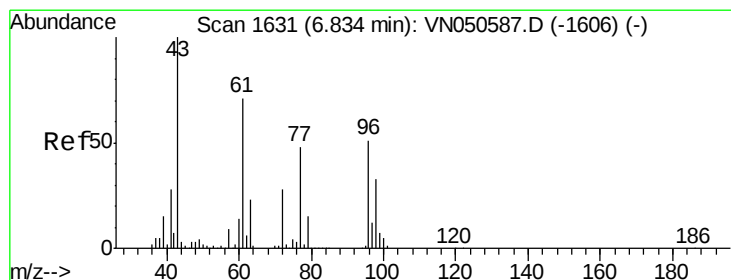
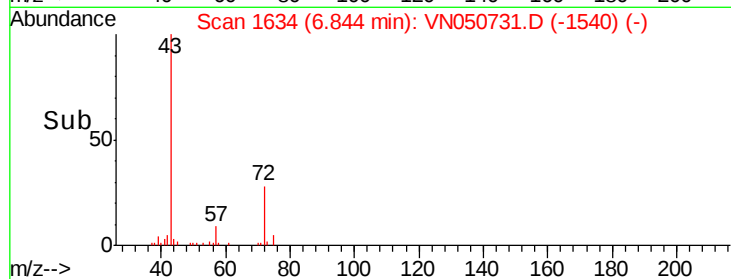
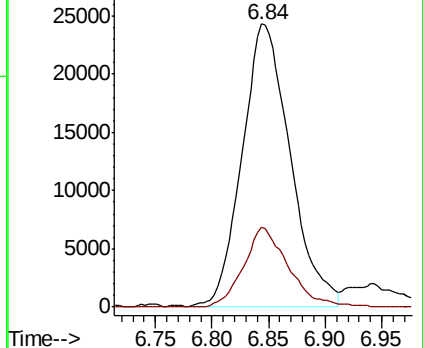
43 100

72 28.1 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 8.11 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

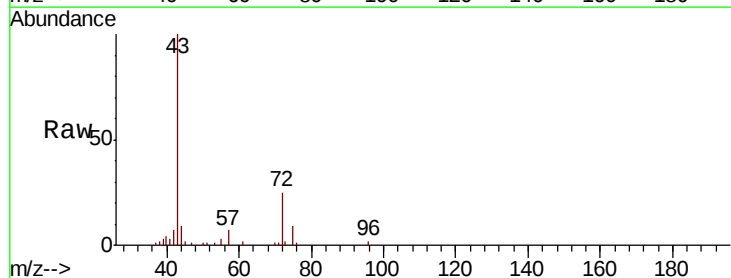
Tgt Ion: 96 Resp: 304

Ion Ratio Lower Upper

96 100

61 232.9 0.0 278.2

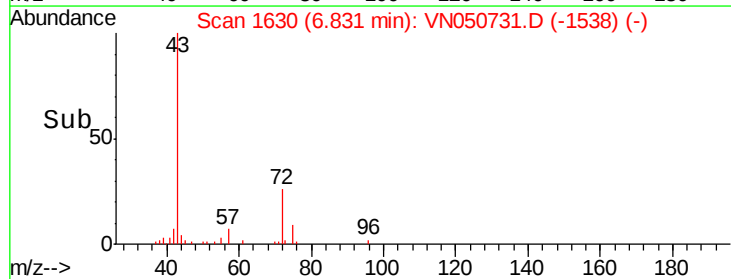
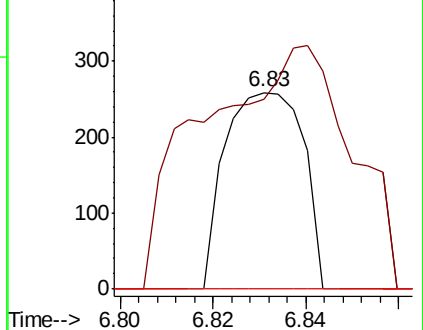
98 0.0 0.0 128.8

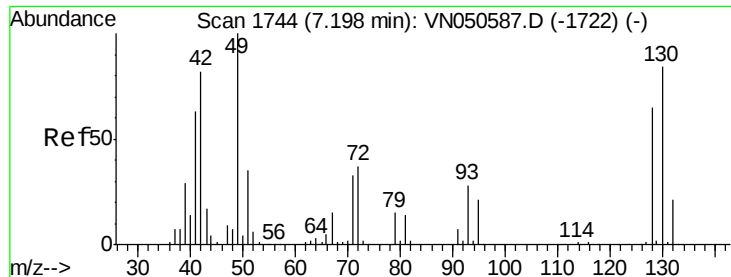


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#28

Bromochloromethane

Concen: 5936.80 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :

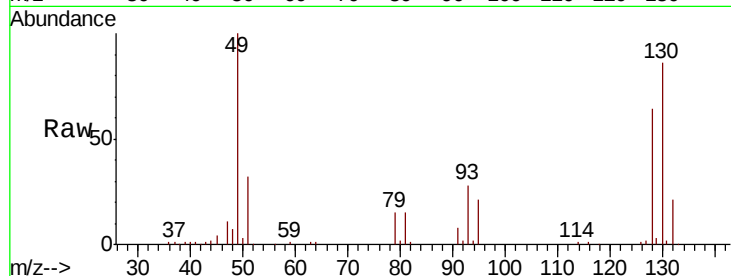
Tot Ion: 49 Resp: 173203

Ion Ratio Lower Upper

49 100

129 2.5 0.0 4.2

130 85.7 66.8 100.2



Abundance Ion 48.90 (48.60 to 49.60): VN050731.D (-1651) (-)

Ion 128.80 (128.50 to 129.50): VN050731.D (-1651) (-)

Ion 129.80 (129.50 to 130.50): VN050731.D (-1651) (-)

Time-->

7.10 7.20 7.30

80000

60000

40000

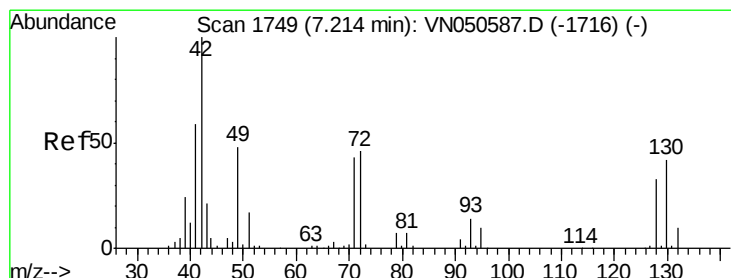
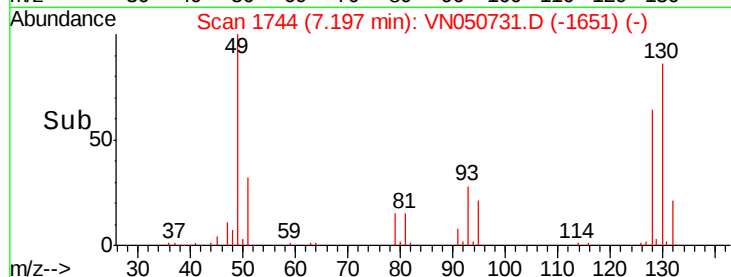
20000

0

7.10 7.20 7.30

Time-->

7.10 7.20 7.30



#29

Tetrahydrofuran

Concen: 76.88 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

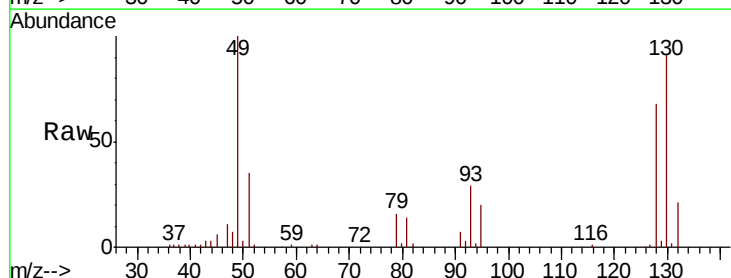
Tgt Ion: 42 Resp: 594

Ion Ratio Lower Upper

42 100

72 16.2 35.8 53.6#

71 0.0 33.4 50.0#



Abundance Ion 42.00 (41.70 to 42.70): VN050731.D (-1656) (-)

Ion 72.00 (71.70 to 72.70): VN050731.D (-1656) (-)

Ion 71.00 (70.70 to 71.70): VN050731.D (-1656) (-)

Time-->

7.18 7.20 7.22 7.24

400

300

200

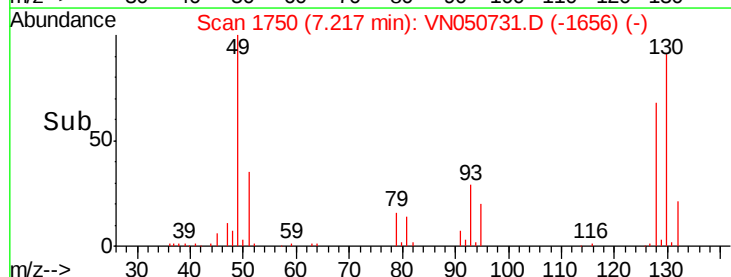
100

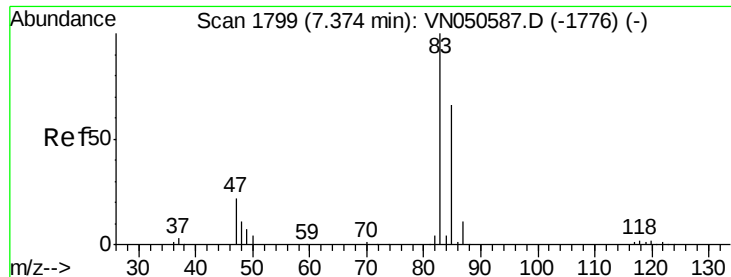
0

7.18 7.20 7.22 7.24

Time-->

7.18 7.20 7.22 7.24

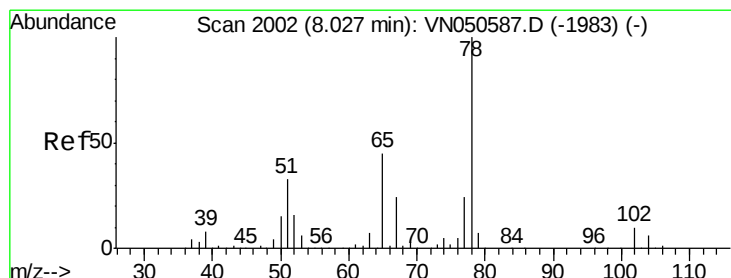
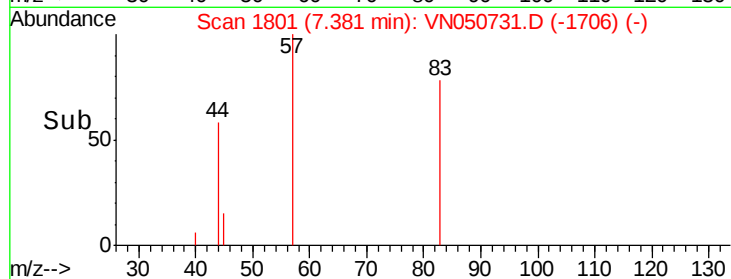
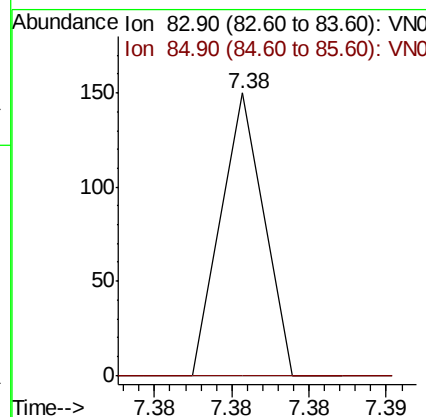
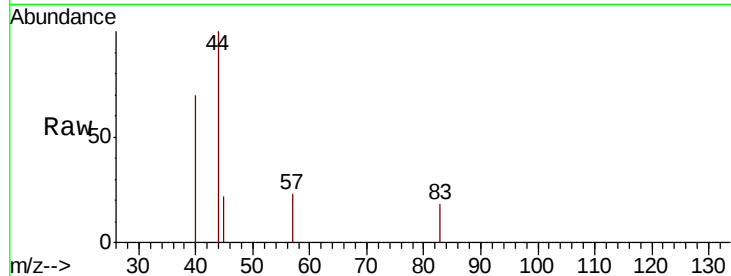




#30
Chloroform
Concen: 0.45 ug/l
RT: 7.38 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

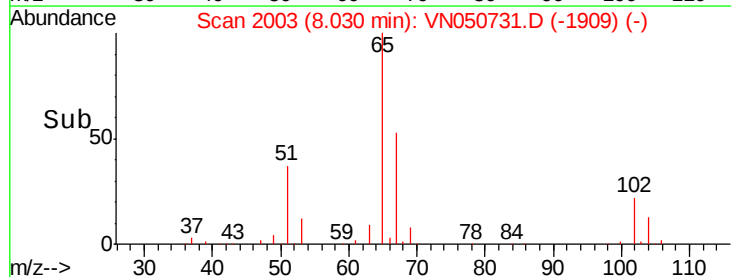
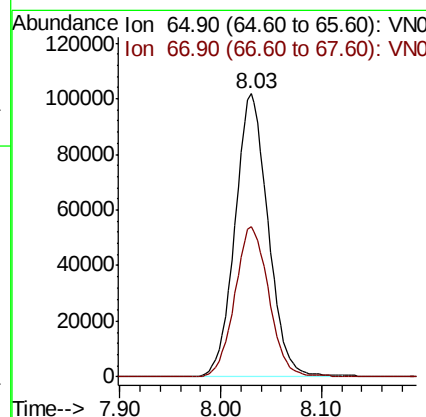
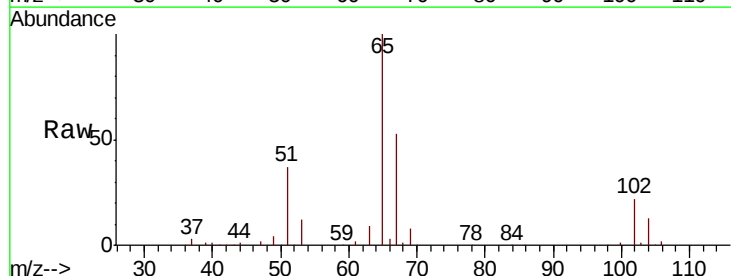
Instrument :
MSVOA_N
ClientSampleId :

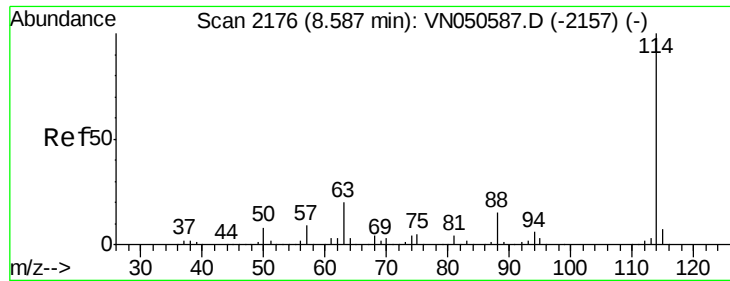
Tot Ion: 83 Resp: 29
Ion Ratio Lower Upper
83 100
85 0.0 52.5 78.7#



#33
1,2-Dichloroethane-d4
Concen: 6427.07 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Tgt Ion: 65 Resp: 231942
Ion Ratio Lower Upper
65 100
67 54.6 0.0 109.8

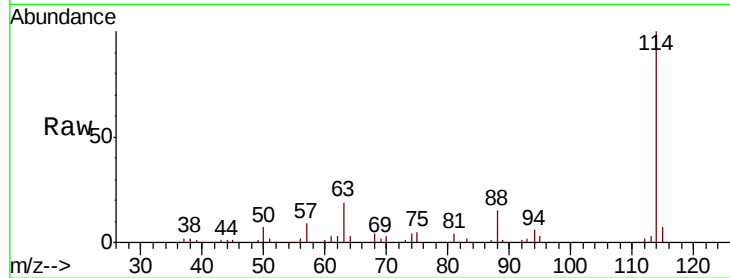




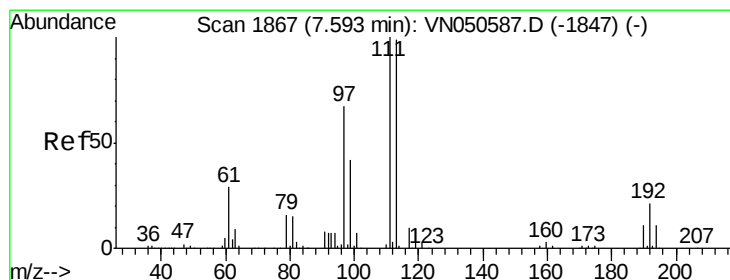
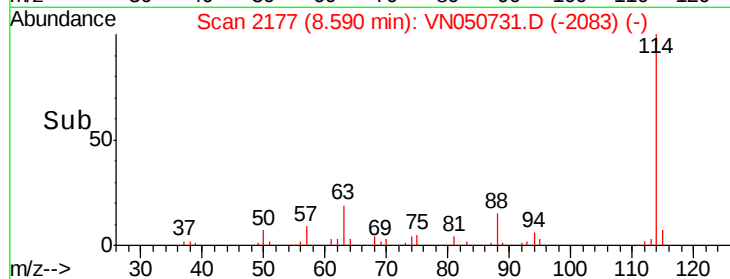
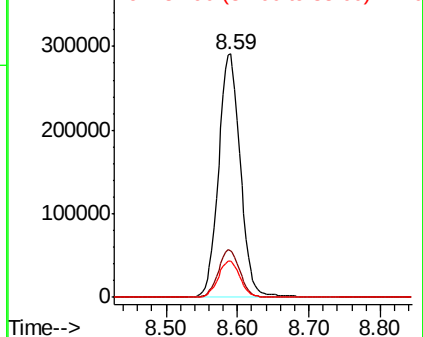
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 616306
Ion Ratio Lower Upper
114 100
63 19.4 0.0 40.0
88 15.1 0.0 30.8

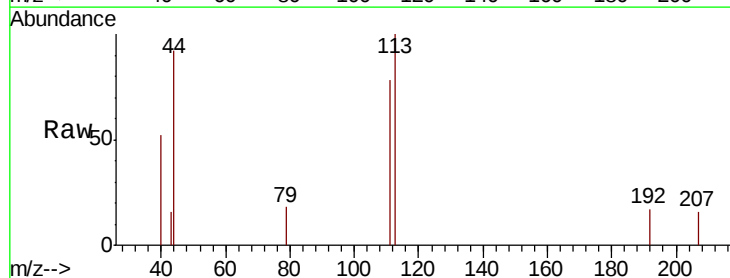


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

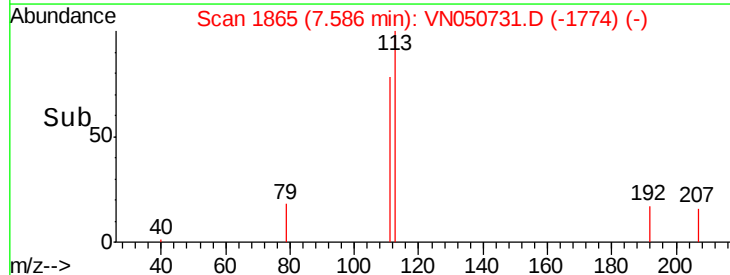
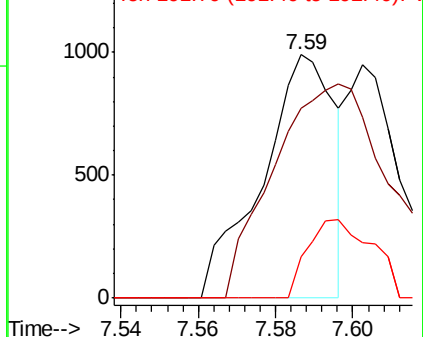


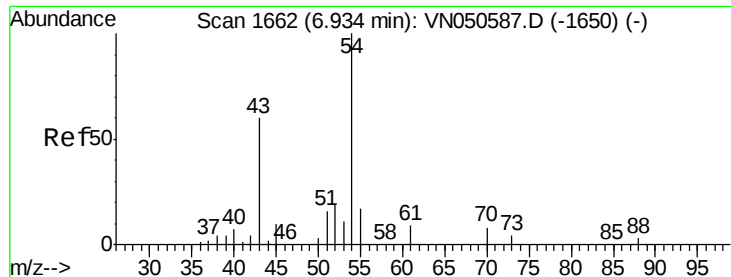
#35
Dibromofluoromethane
Concen: 0.26 ug/l
RT: 7.59 min Scan# 1865
Delta R.T. -0.01 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Tgt Ion:113 Resp: 1291
Ion Ratio Lower Upper
113 100
111 139.4 81.0 121.6#
192 28.4 17.6 26.4#



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

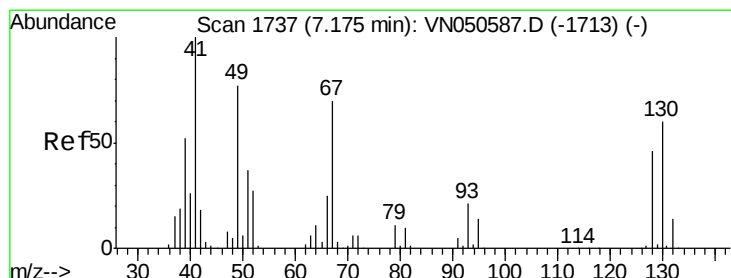
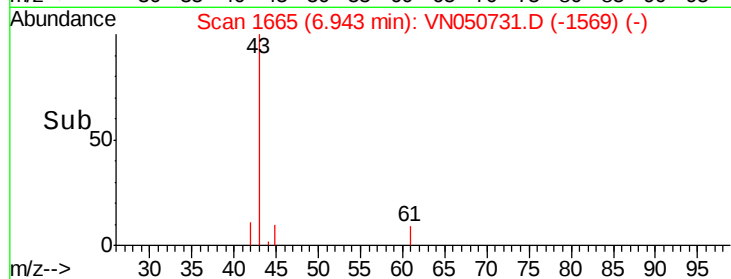
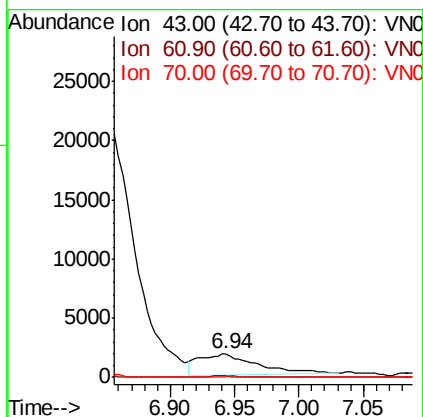
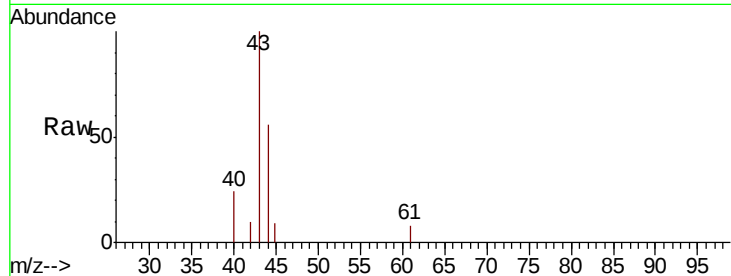




#37
Ethyl Acetate
Concen: 1.45 ug/l
RT: 6.94 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

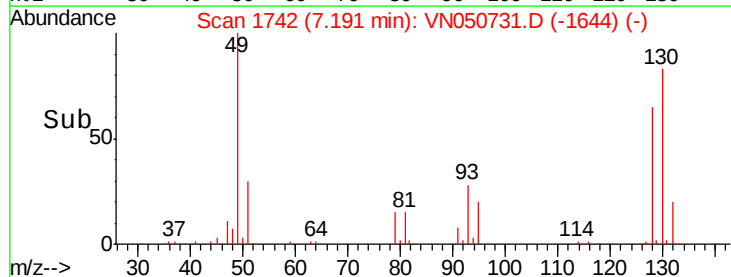
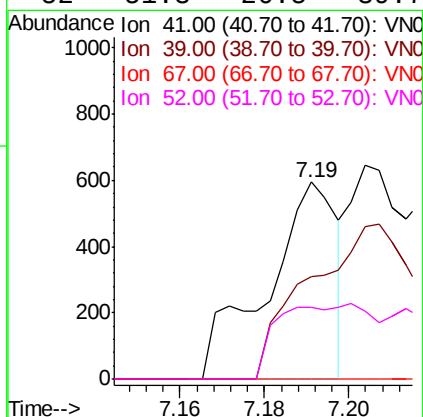
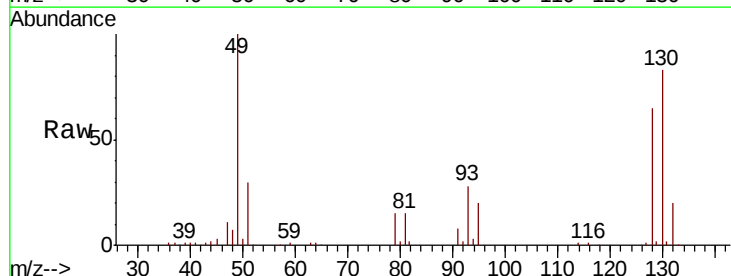
Instrument :
MSVOA_N
ClientSampled :

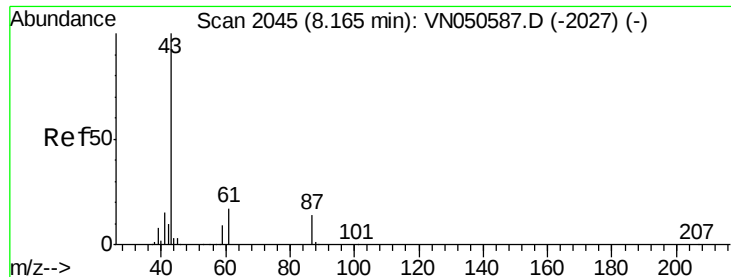
Tot Ion: 43 Resp: 5633
Ion Ratio Lower Upper
43 100
61 2.2 12.0 18.0#
70 1.1 8.5 12.7#



#41
Methacrylonitrile
Concen: 0.33 ug/l
RT: 7.19 min Scan# 1742
Delta R.T. 0.02 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Tgt Ion: 41 Resp: 686
Ion Ratio Lower Upper
41 100
39 127.3 44.6 66.8#
67 0.0 66.7 100.1#
52 51.3 26.5 39.7#



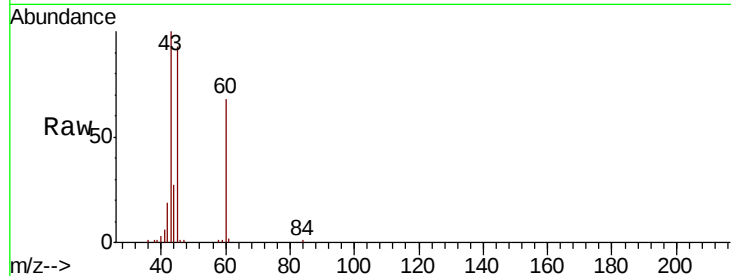


#43

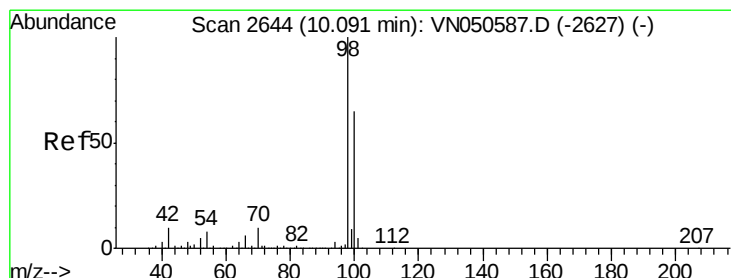
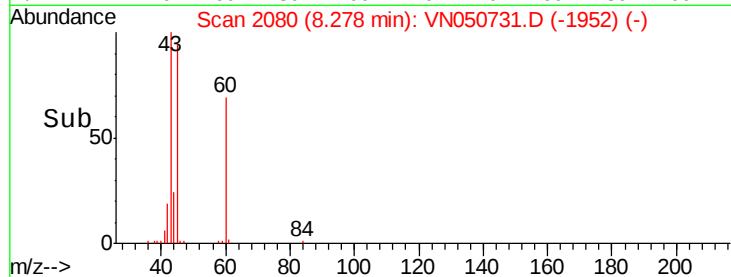
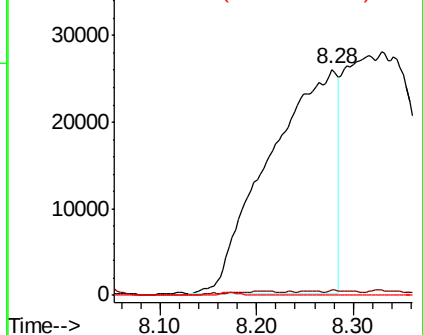
Isopropyl Acetate
 Concen: 17.87 ug/l
 RT: 8.28 min Scan# 2080
 Delta R.T. 0.11 min
 Lab File: VN050731.D
 Acq: 17 Aug 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 126266
 Ion Ratio Lower Upper
 43 100
 61 0.1 16.2 24.2#
 87 0.0 10.9 16.3#



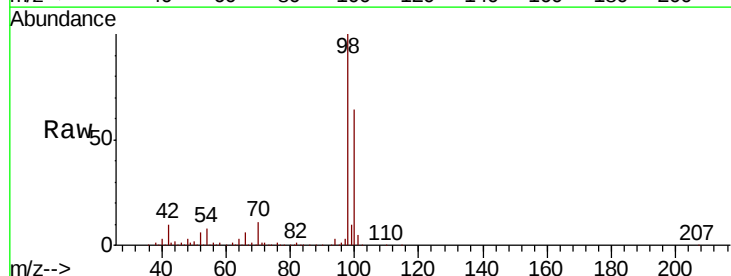
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



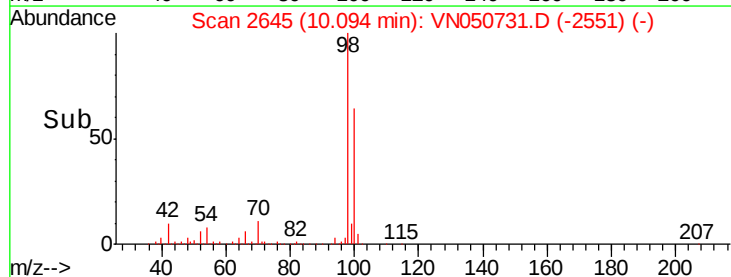
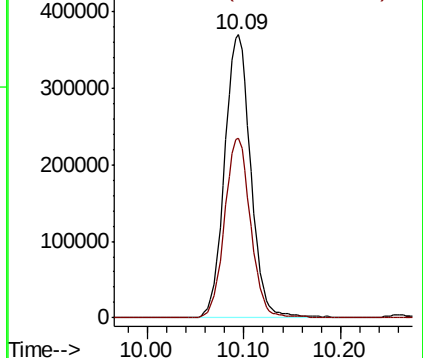
#50

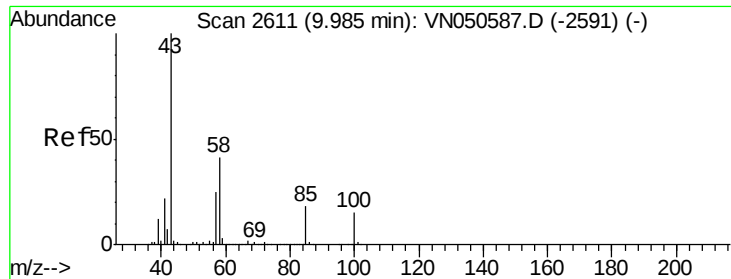
Toluene-d8
 Concen: 37.46 ug/l
 RT: 10.09 min Scan# 2645
 Delta R.T. 0.00 min
 Lab File: VN050731.D
 Acq: 17 Aug 2018 15:37

Tgt Ion: 98 Resp: 693772
 Ion Ratio Lower Upper
 98 100
 100 63.3 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

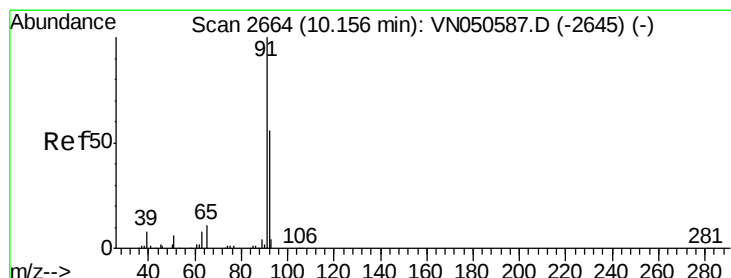
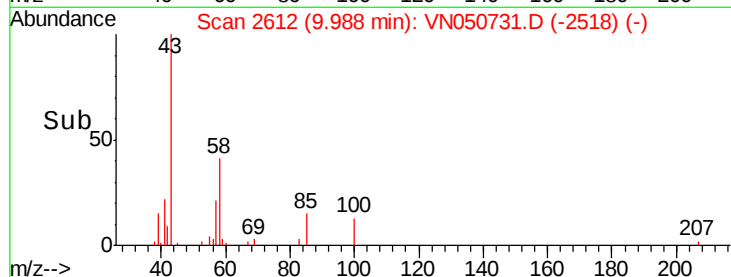
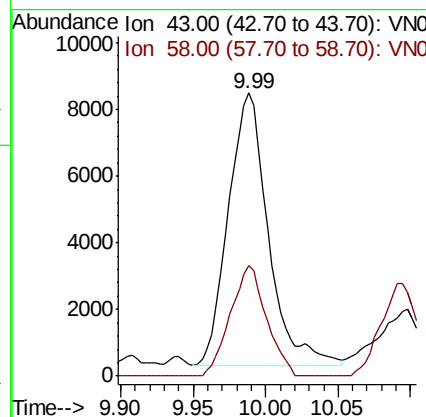
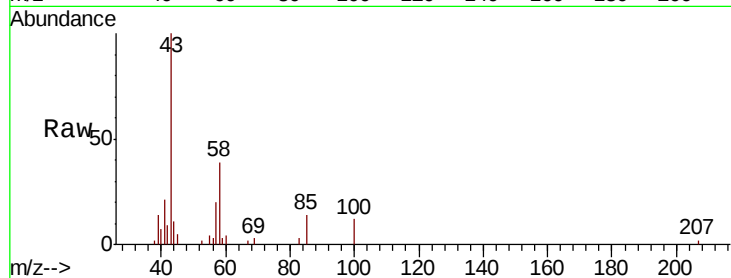




#51
 4-Methyl-2-Pentanone
 Concen: 3.28 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN050731.D
 Acq: 17 Aug 2018 15:37

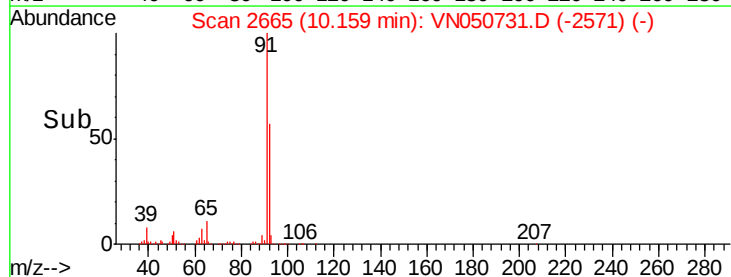
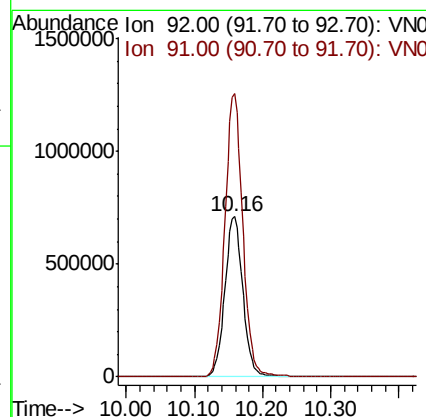
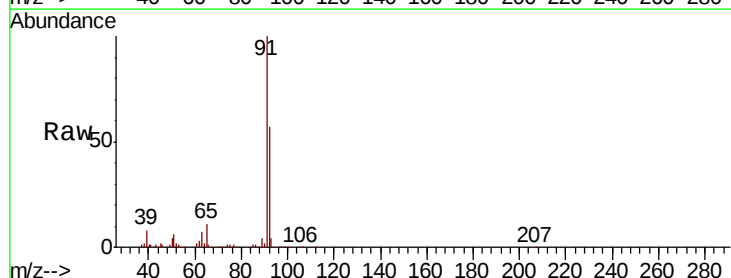
Instrument :
 MSVOA_N
 ClientSampleId :

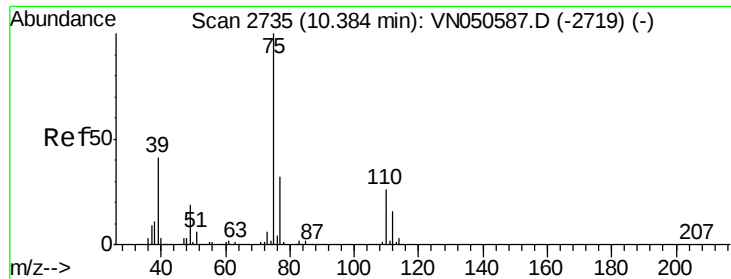
Tot Ion: 43 Resp: 15677
 Ion Ratio Lower Upper
 43 100
 58 36.4 32.5 48.7



#52
 Toluene
 Concen: 104.63 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN050731.D
 Acq: 17 Aug 2018 15:37

Tgt Ion: 92 Resp: 1303880
 Ion Ratio Lower Upper
 92 100
 91 175.6 141.9 212.9





#53

t-1,3-Dichloropropene

Concen: 2.28 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.23 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

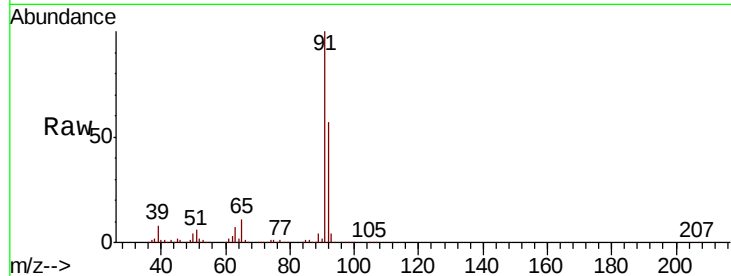
ClientSampled :

Tot Ion: 75 Resp: 14864

Ion Ratio Lower Upper

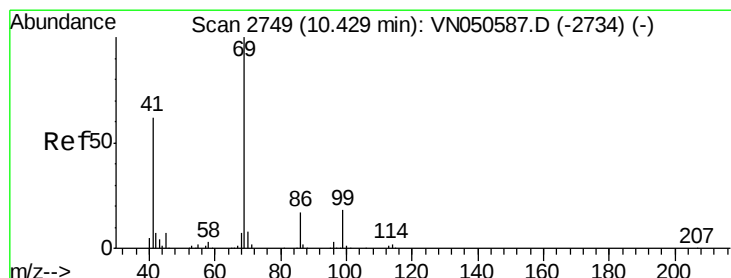
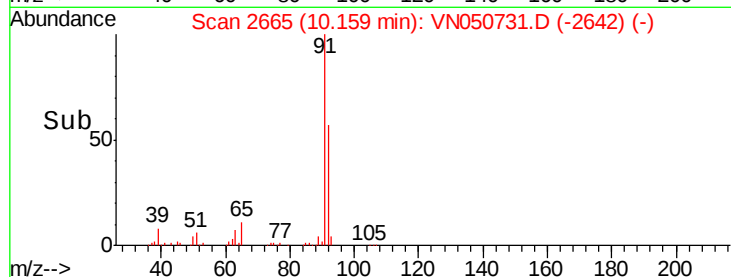
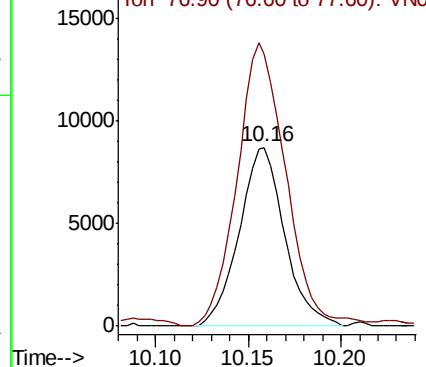
75 100

77 152.3 25.8 38.6#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#56

Ethyl methacrylate

Concen: 1.91 ug/l

RT: 10.43 min Scan# 2748

Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

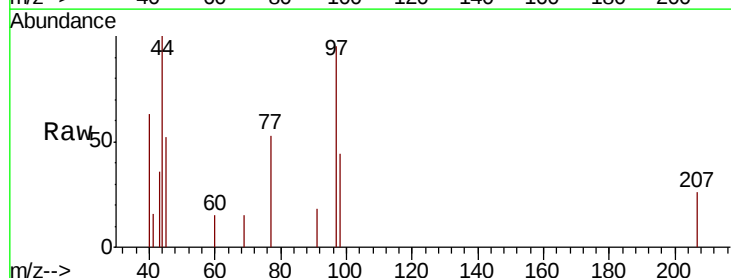
Tgt Ion: 69 Resp: 30

Ion Ratio Lower Upper

69 100

41 0.0 49.7 74.5#

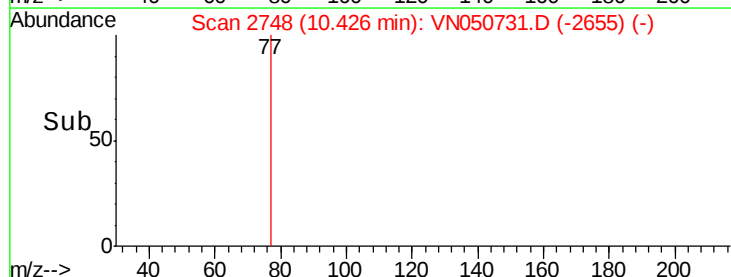
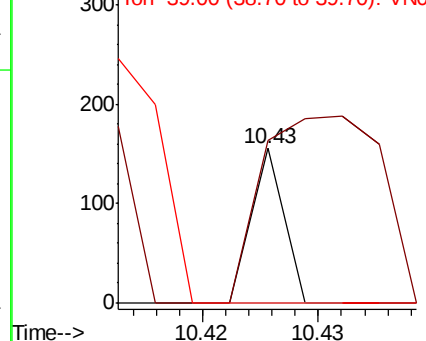
39 0.0 24.2 36.2#

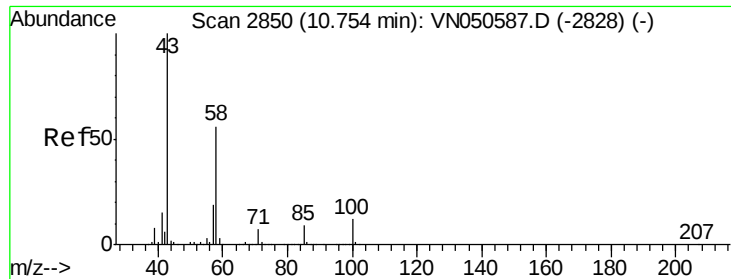


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#59

2-Hexanone

Concen: 0.50 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

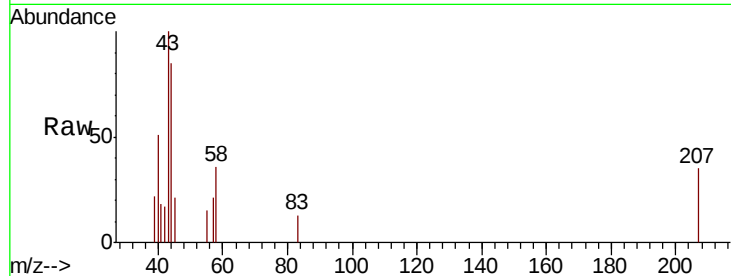
ClientSampled :

Tot Ion: 43 Resp: 1529

Ion Ratio Lower Upper

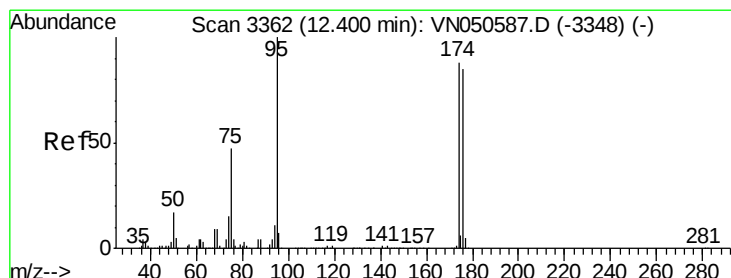
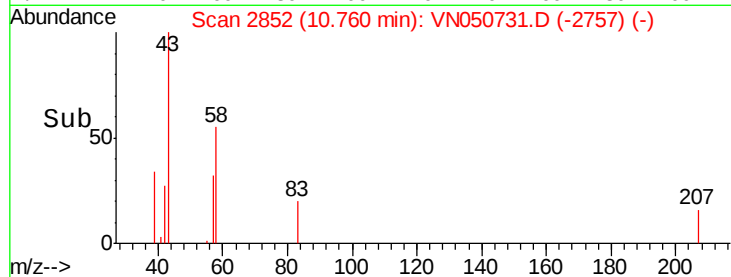
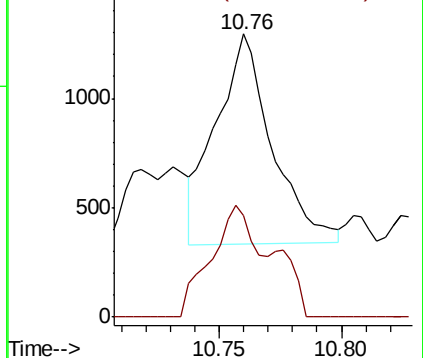
43 100

58 44.1 28.0 84.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 33.36 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

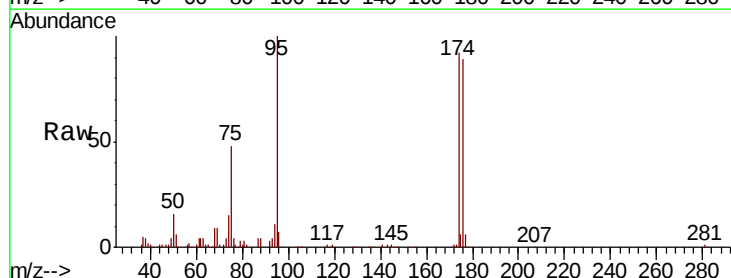
Tgt Ion: 95 Resp: 204108

Ion Ratio Lower Upper

95 100

174 91.4 0.0 177.8

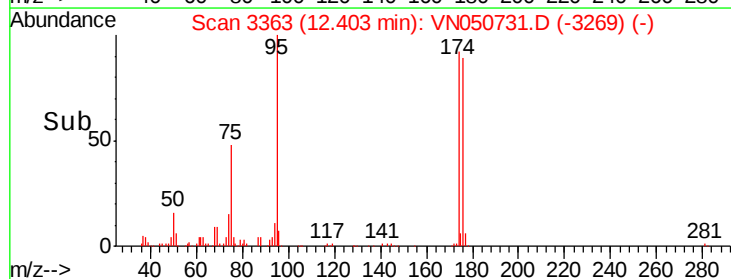
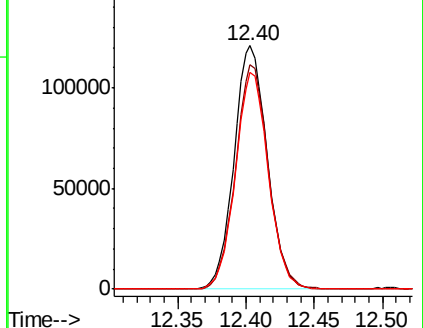
176 88.0 0.0 175.0

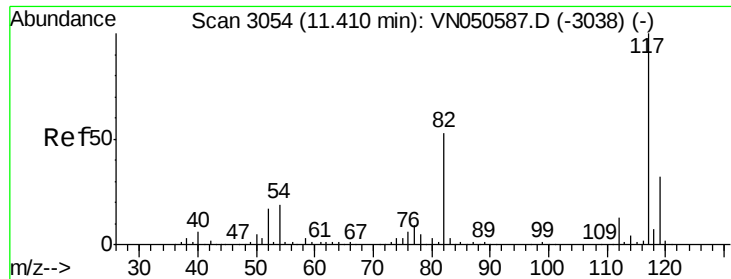


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

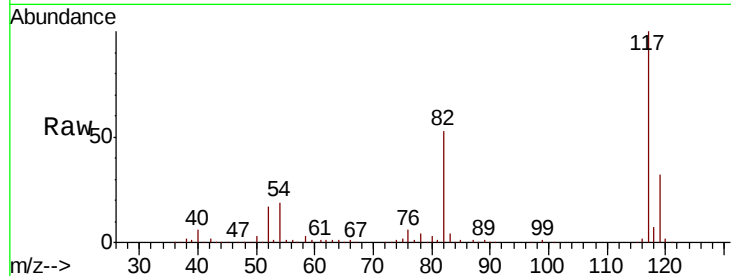




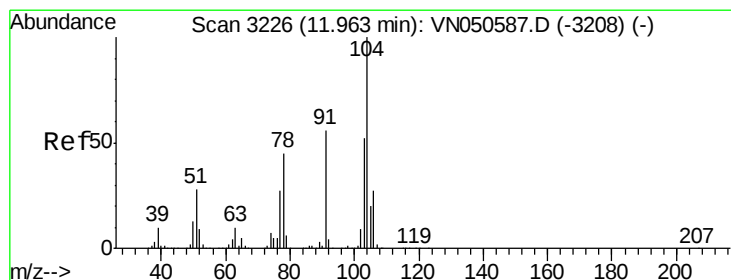
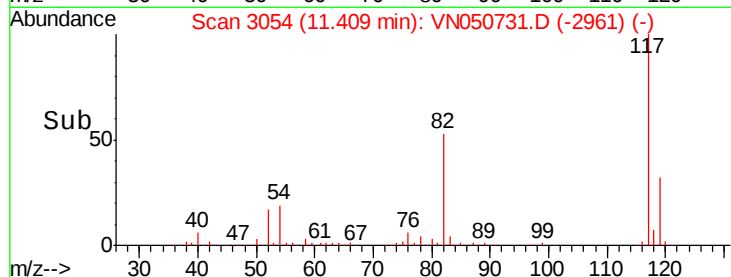
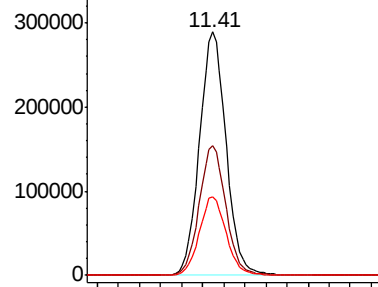
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 503297
Ion Ratio Lower Upper
117 100
82 53.2 42.4 63.6
119 32.5 25.8 38.8

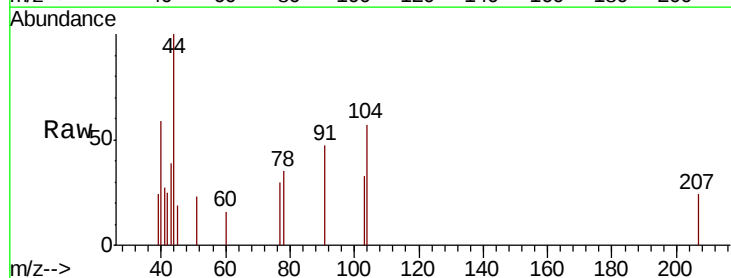


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

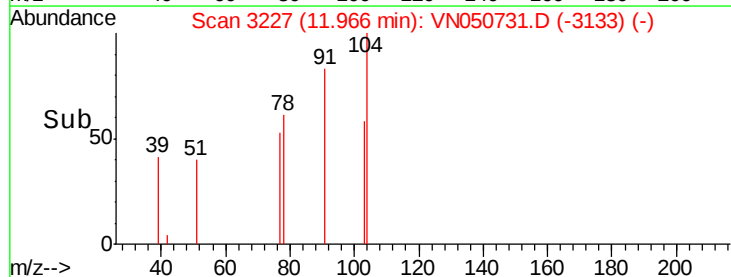
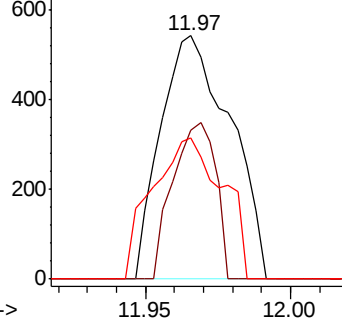


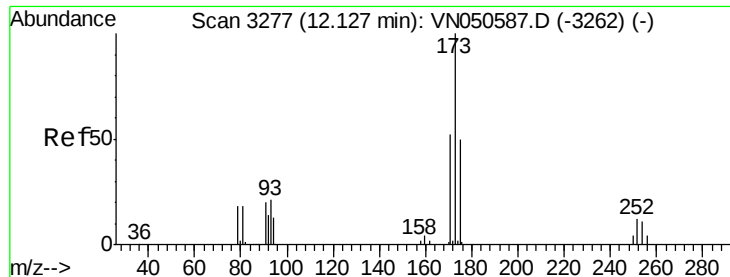
#70
Styrene
Concen: 1.01 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Tgt Ion:104 Resp: 905
Ion Ratio Lower Upper
104 100
78 39.7 39.1 58.7
103 58.7 44.9 67.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.56 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

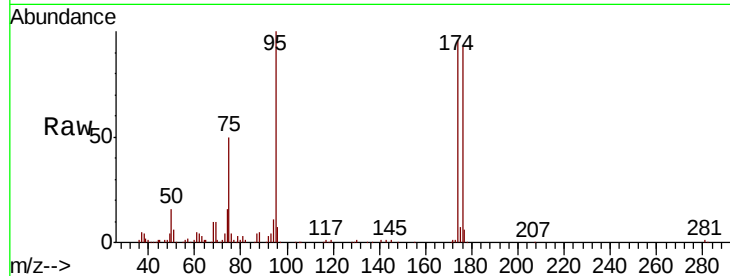
Tot Ion:173 Resp: 1747

Ion Ratio Lower Upper

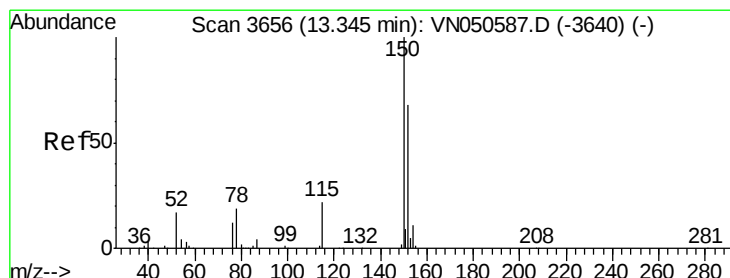
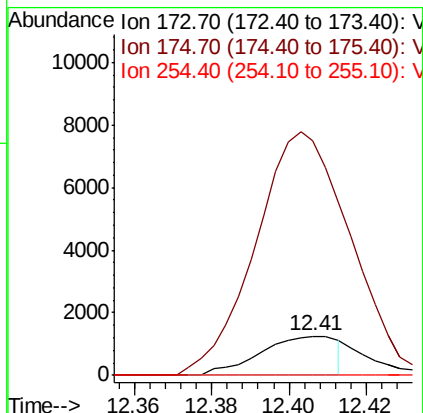
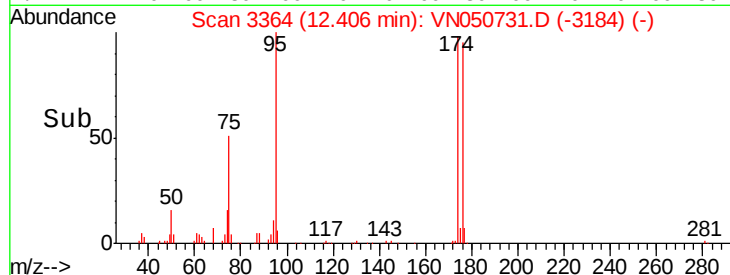
173 100

175 619.2 24.4 73.2#

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: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

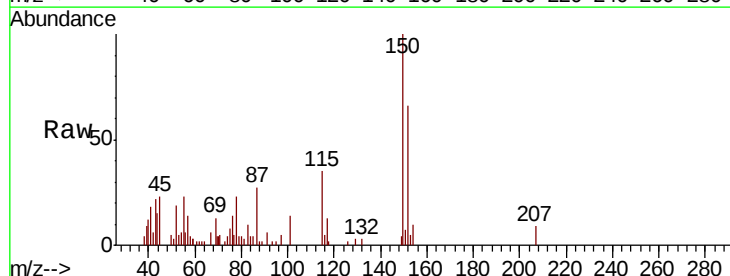
Tgt Ion:152 Resp: 7659

Ion Ratio Lower Upper

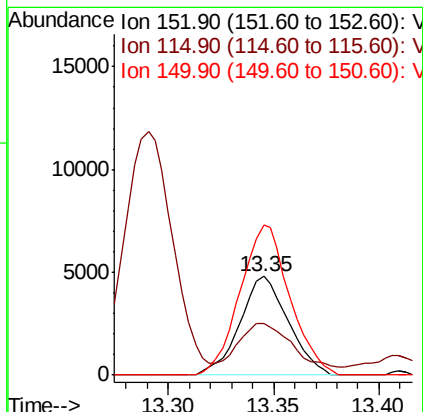
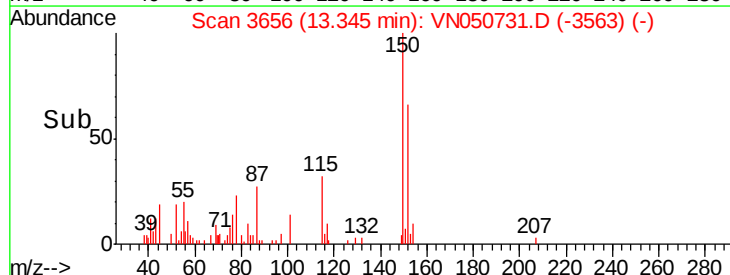
152 100

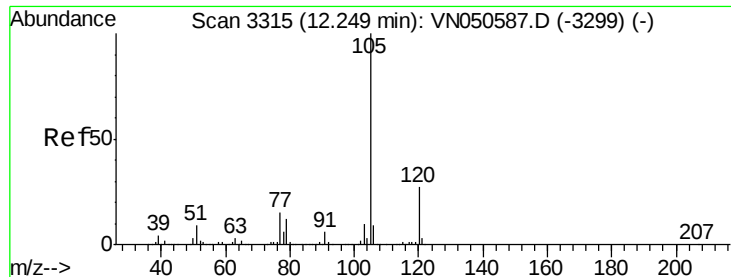
115 57.2 28.1 84.2

150 156.1 0.0 347.8



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: 0.59 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

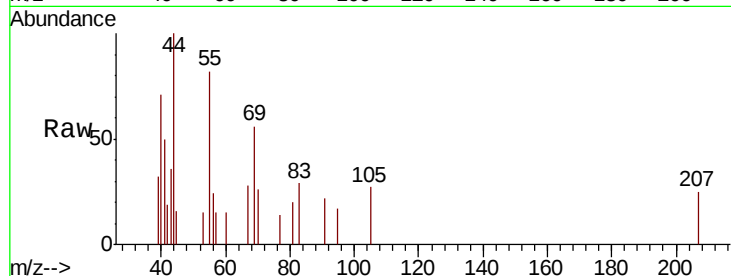
ClientSampleId :

Tot Ion: 105 Resp: 353

Ion Ratio Lower Upper

105 100

120 0.0 13.4 40.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

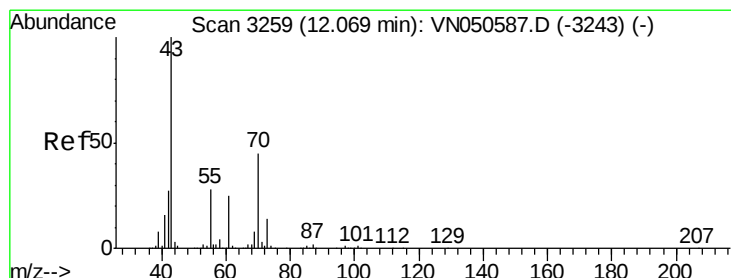
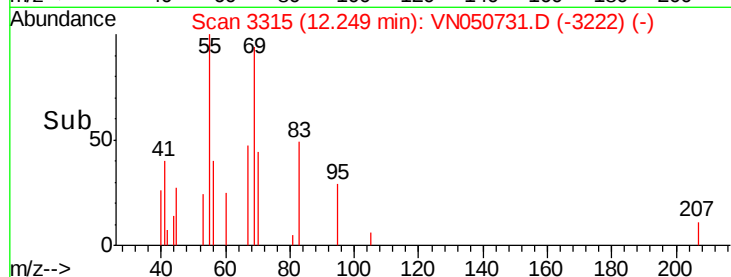
300

200

100

0

Time--> 12.22 12.24 12.26



#74

N-ethyl acetate

Concen: 745.02 ug/l

RT: 11.81 min Scan# 3178

Delta R.T. -0.26 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Tgt Ion: 43 Resp: 115988

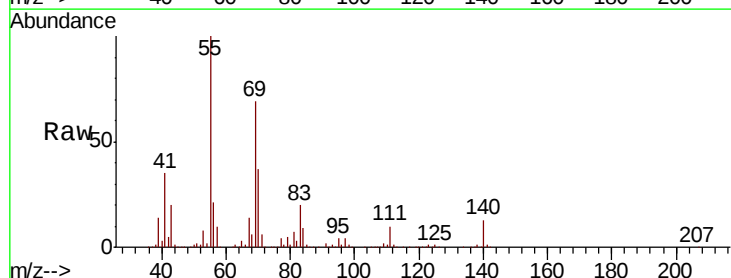
Ion Ratio Lower Upper

43 100

70 182.1 35.9 53.9#

55 503.9 22.2 33.4#

61 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

600000

500000

400000

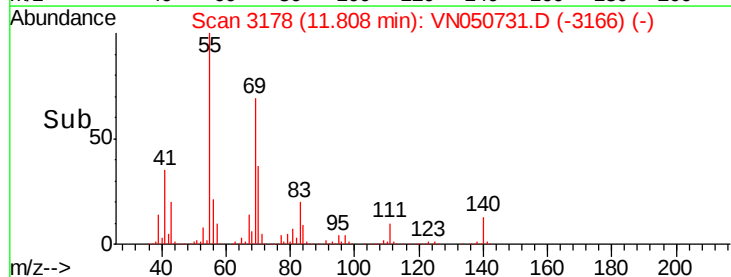
300000

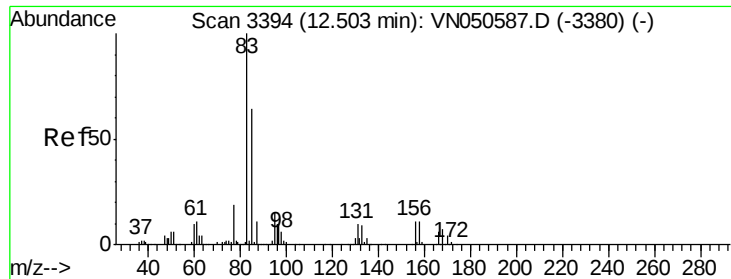
200000

100000

0

Time--> 11.75 11.80 11.85





#75

1,1,2,2-Tetrachloroethane

Concen: 4.38 ug/l

RT: 12.44 min Scan# 3375

Delta R.T. -0.06 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

ClientSampled :

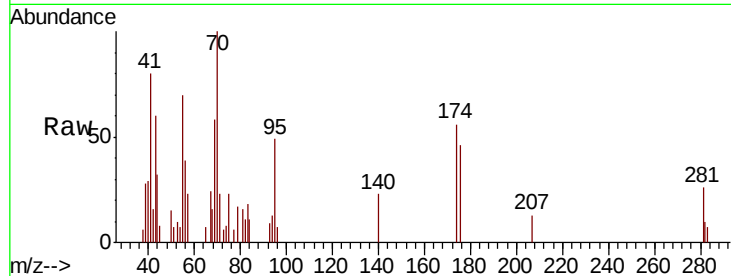
Tot Ion: 83 Resp: 903

Ion Ratio Lower Upper

83 100

131 0.0 5.3 15.9#

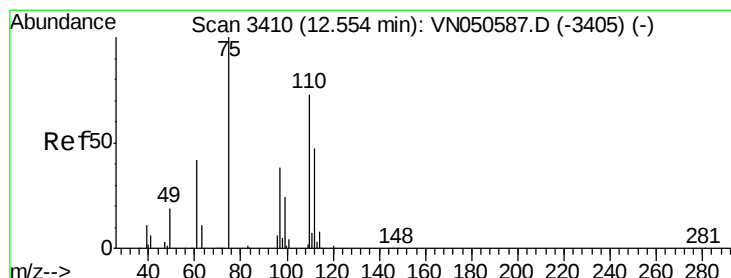
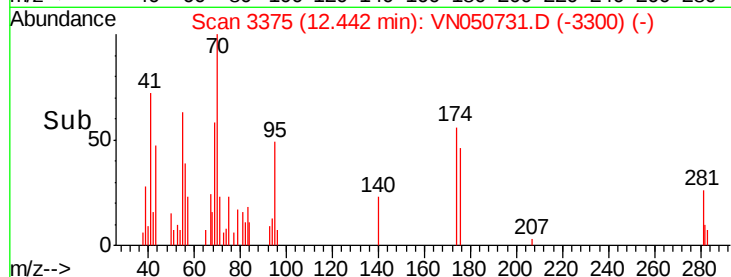
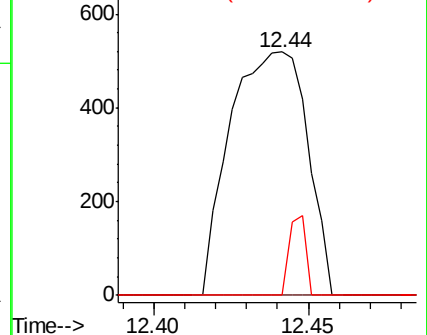
85 7.0 32.1 96.5#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 797.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050731.D

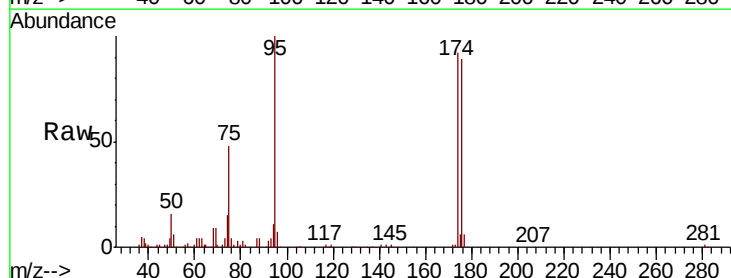
Acq: 17 Aug 2018 15:37

Tgt Ion: 75 Resp: 96773

Ion Ratio Lower Upper

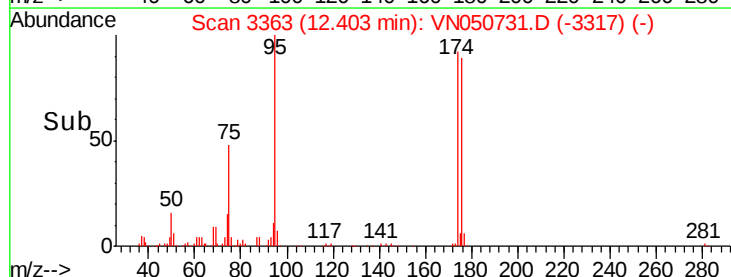
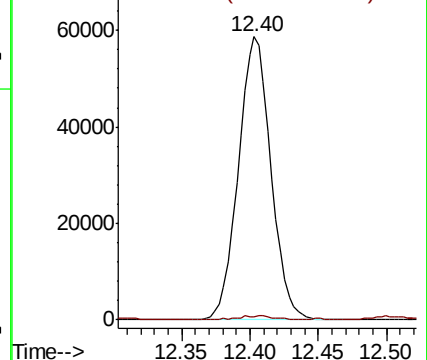
75 100

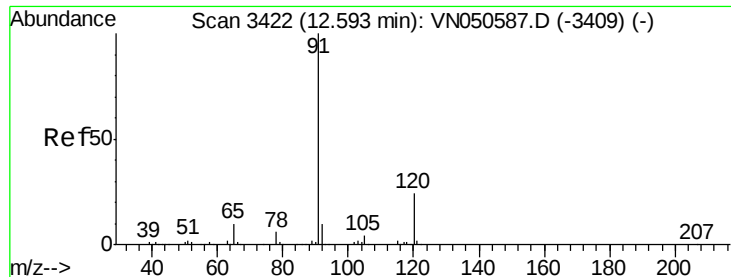
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 1.90 ug/l

RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

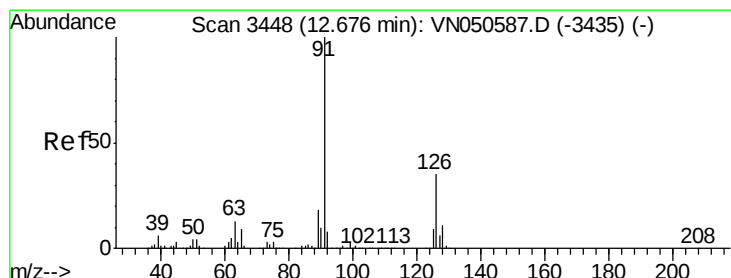
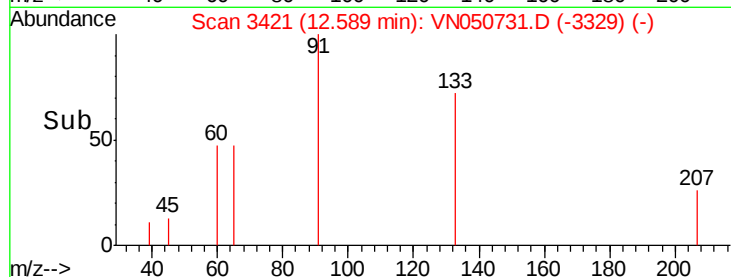
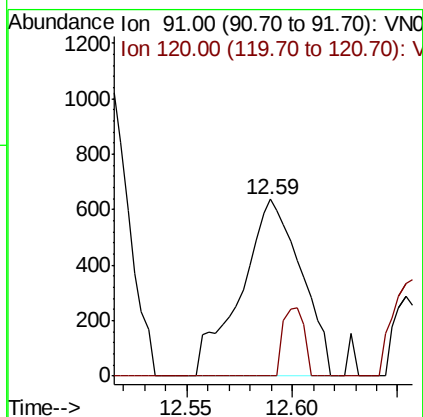
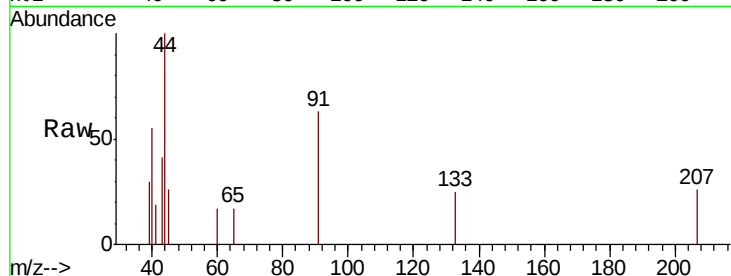
ClientSampled :

Tot Ion: 91 Resp: 1270

Ion Ratio Lower Upper

91 100

120 13.2 11.8 35.4



#79

2-Chlorotoluene

Concen: 1.43 ug/l

RT: 12.94 min Scan# 3531

Delta R.T. 0.27 min

Lab File: VN050731.D

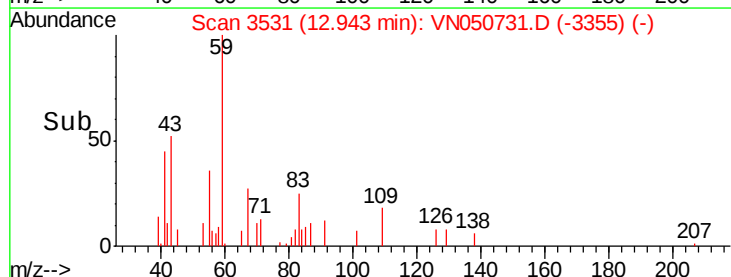
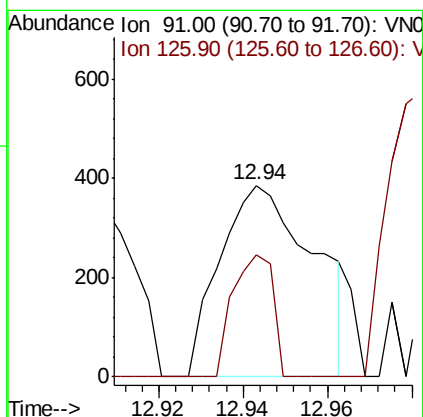
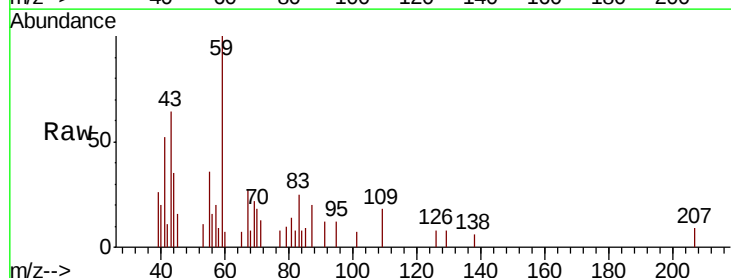
Acq: 17 Aug 2018 15:37

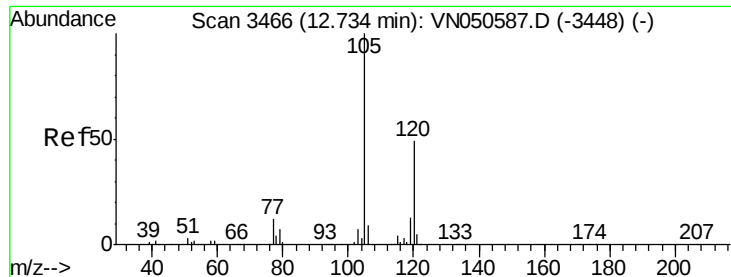
Tgt Ion: 91 Resp: 593

Ion Ratio Lower Upper

91 100

126 27.7 17.6 52.8





#80

1,3,5-Trimethylbenzene

Concen: 2.94 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

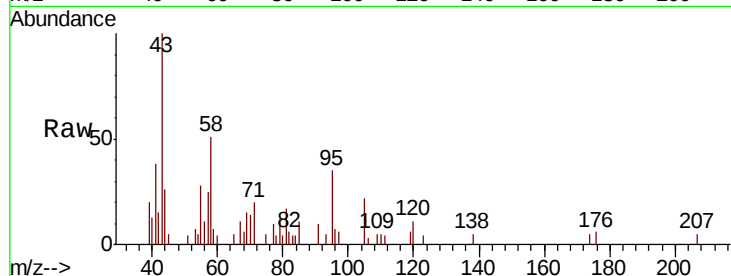
ClientSampled :

Tot Ion:105 Resp: 1409

Ion Ratio Lower Upper

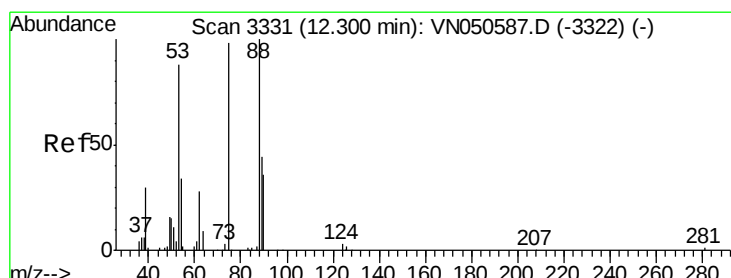
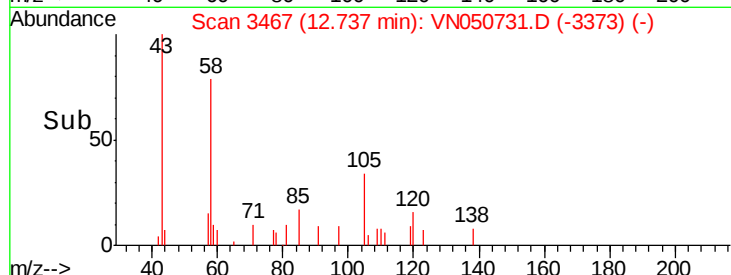
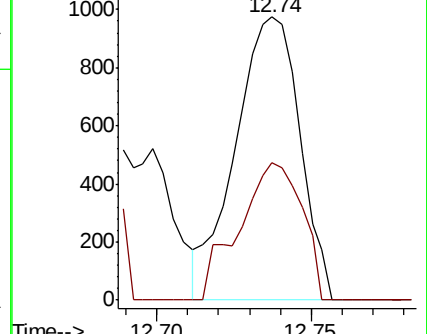
105 100

120 47.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 2809.07 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

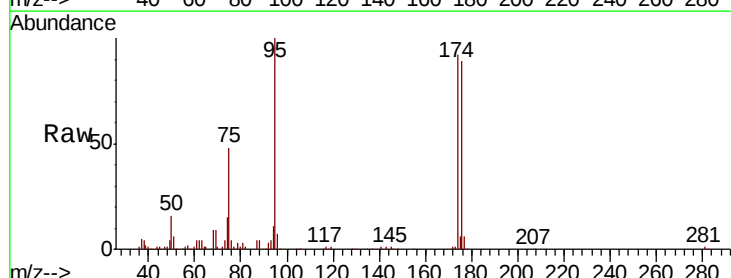
Tgt Ion: 75 Resp: 96773

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

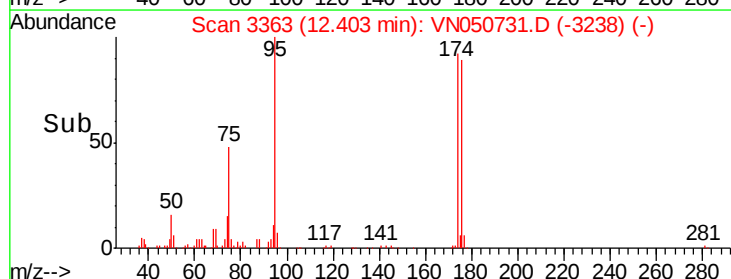
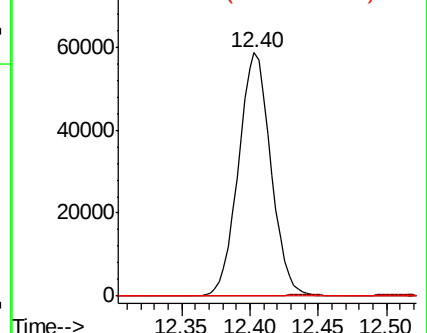
89 0.0 36.3 54.5#

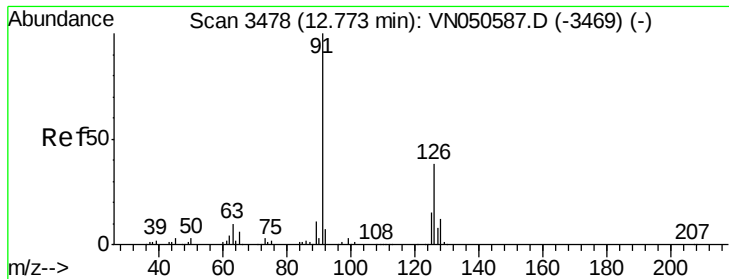


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 1.53 ug/l

RT: 12.94 min Scan# 3531

Delta R.T. 0.17 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

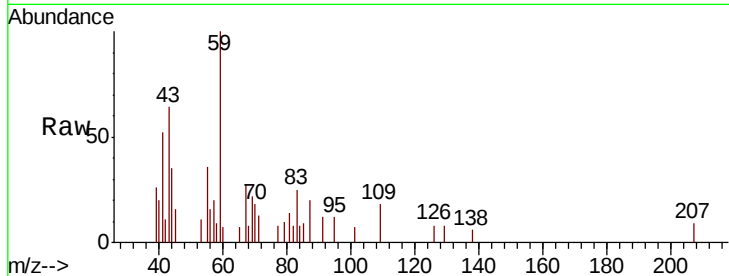
ClientSampled :

Tot Ion: 91 Resp: 627

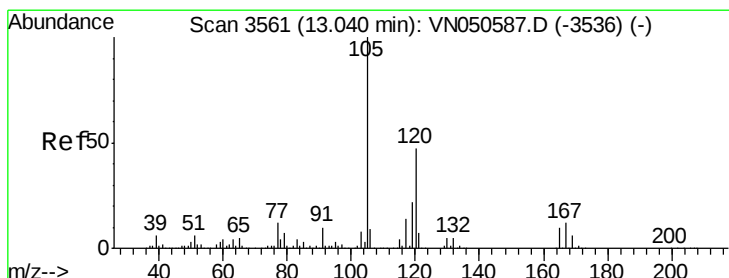
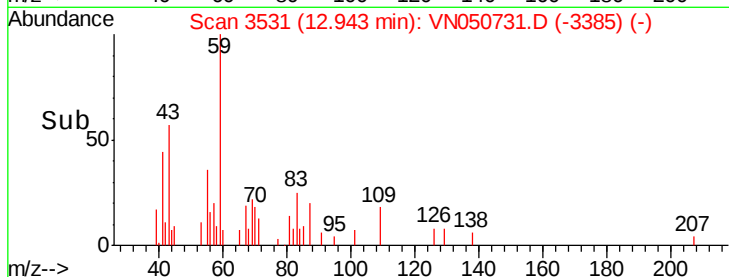
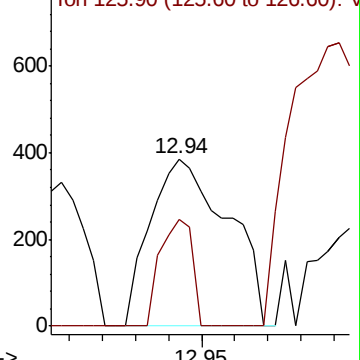
Ion Ratio Lower Upper

91 100

126 26.2 17.3 52.0



Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3469) (-)



#84

1,2,4-Trimethylbenzene

Concen: 8.12 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN050731.D

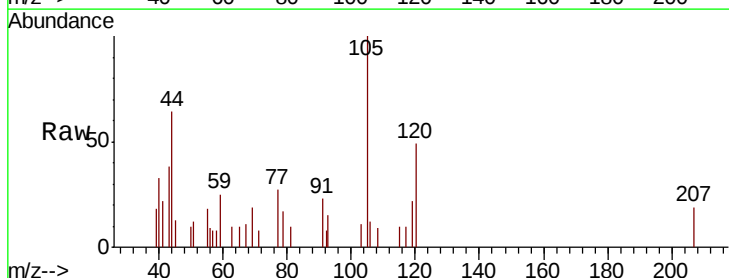
Acq: 17 Aug 2018 15:37

Tgt Ion: 105 Resp: 3905

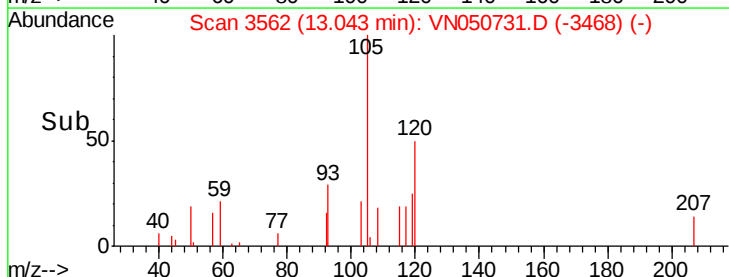
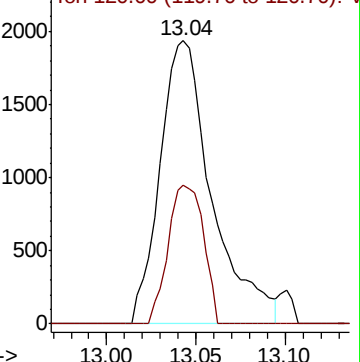
Ion Ratio Lower Upper

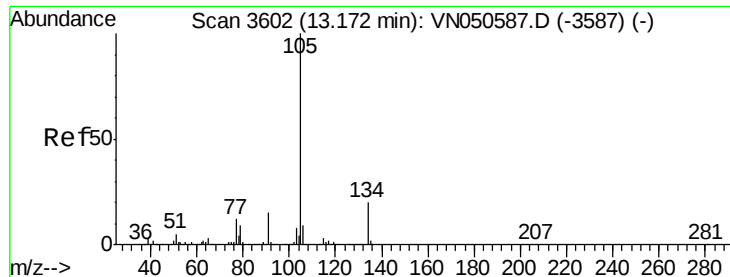
105 100

120 33.3 23.2 69.5



Abundance Ion 105.00 (104.70 to 105.70): VN050587.D (-3536) (-)





#85

sec-Butylbenzene

Concen: 1.48 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. -0.01 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

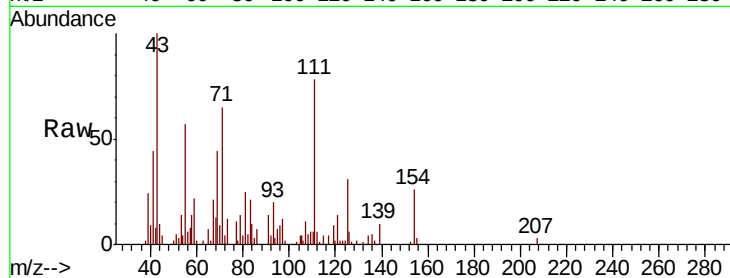
ClientSampled :

Tot Ion:105 Resp: 807

Ion Ratio Lower Upper

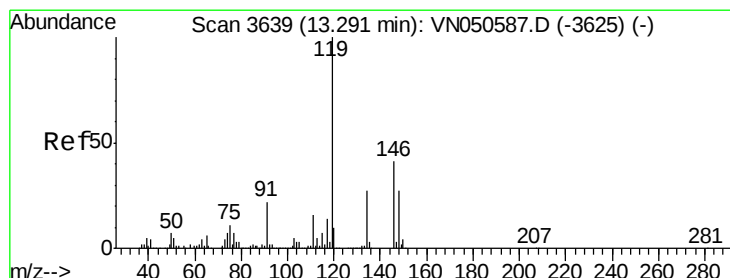
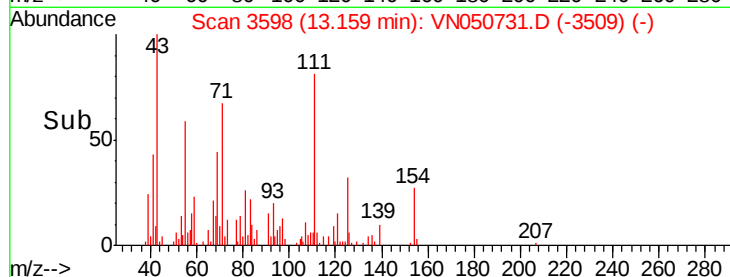
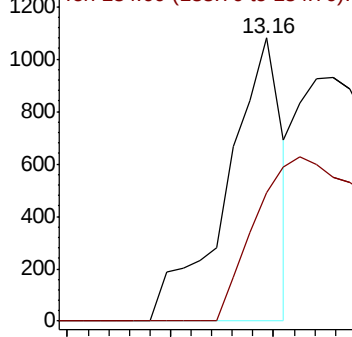
105 100

134 0.0 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 487.49 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

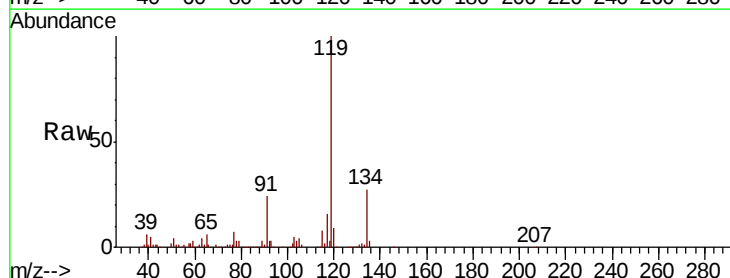
Tgt Ion:119 Resp: 224501

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

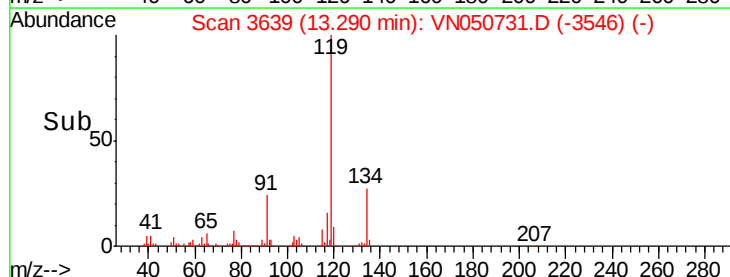
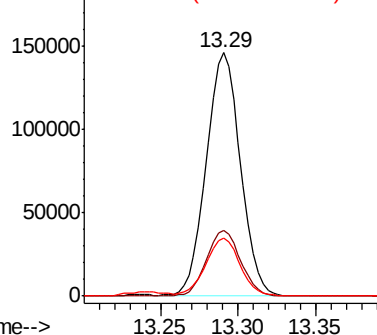
91 23.7 11.2 33.6

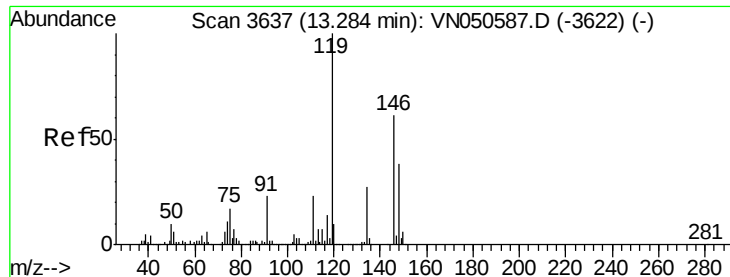


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.38 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

Instrument :

MSVOA_N

ClientSampleId :

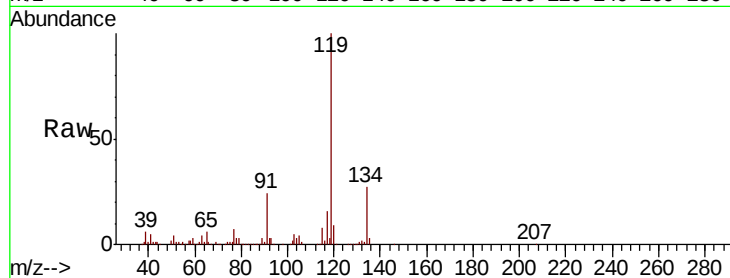
Tot Ion:146 Resp: 104

Ion Ratio Lower Upper

146 100

111 0.0 19.2 57.6#

148 136.5 31.9 95.7#

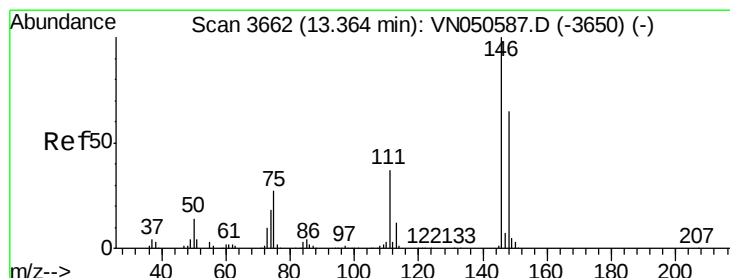
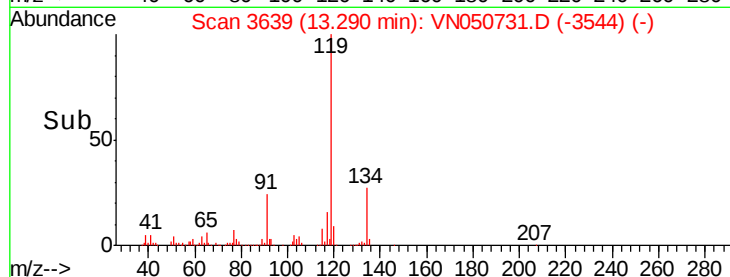
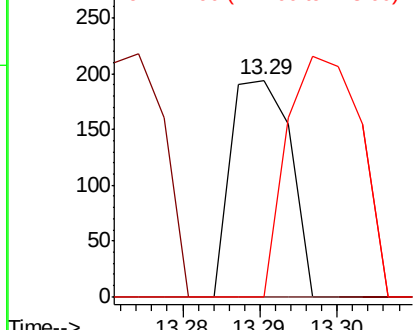


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 1.04 ug/l

RT: 13.36 min Scan# 3660

Delta R.T. -0.01 min

Lab File: VN050731.D

Acq: 17 Aug 2018 15:37

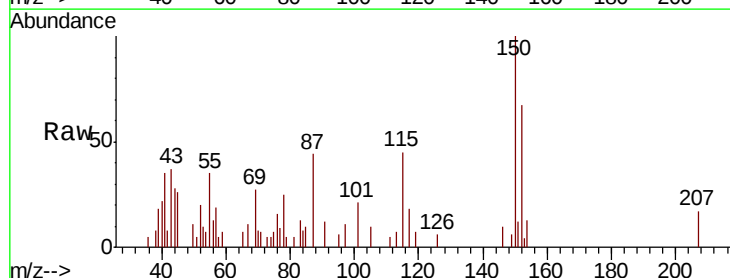
Tgt Ion:146 Resp: 286

Ion Ratio Lower Upper

146 100

111 0.0 18.8 56.4#

148 73.4 32.3 96.8

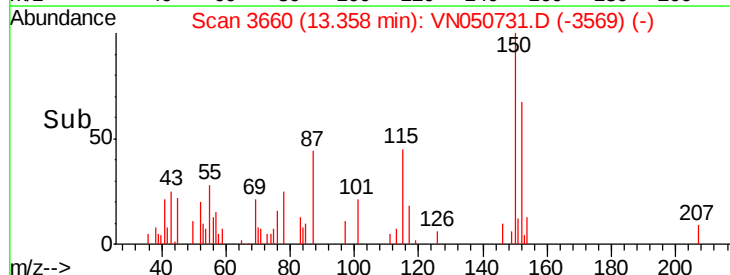
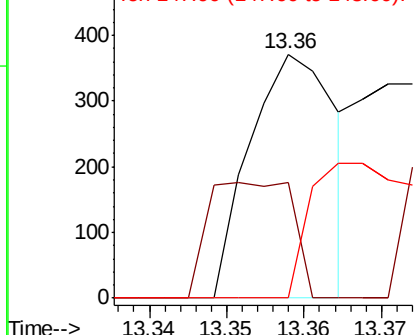


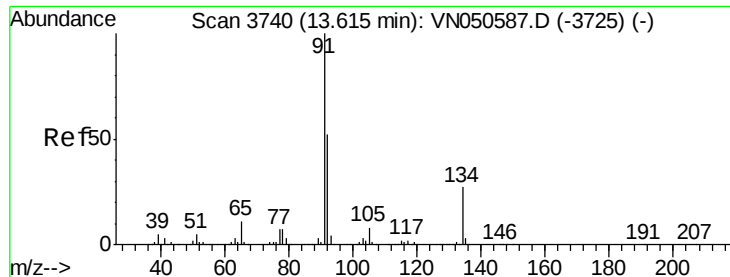
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

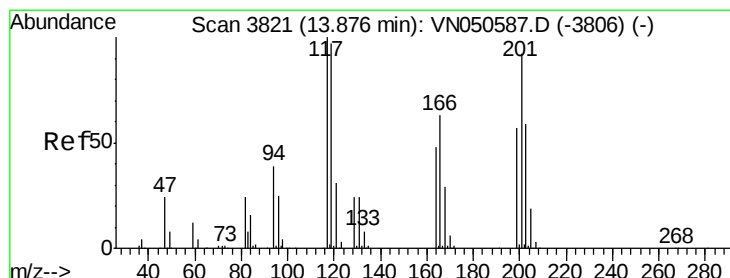
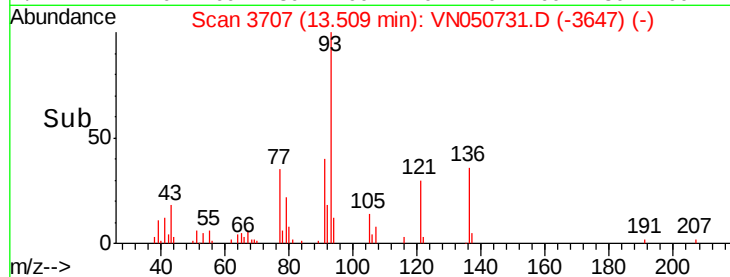
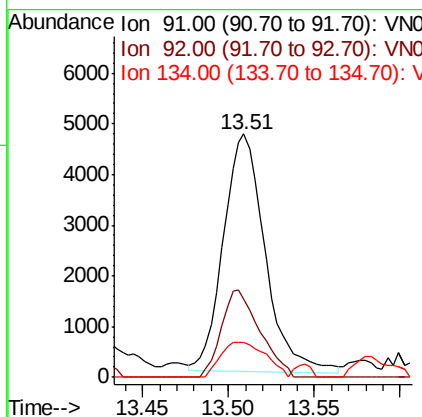
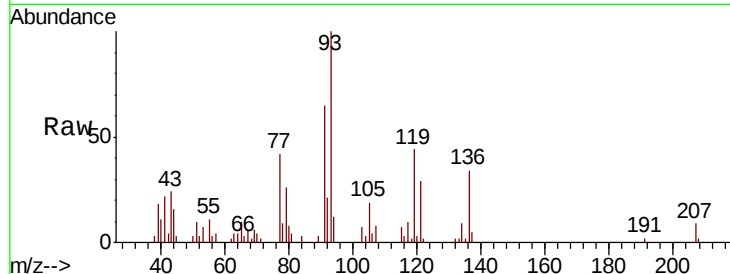




#89
n-Butylbenzene
Concen: 21.31 ug/l
RT: 13.51 min Scan# 3707
Delta R.T. -0.11 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

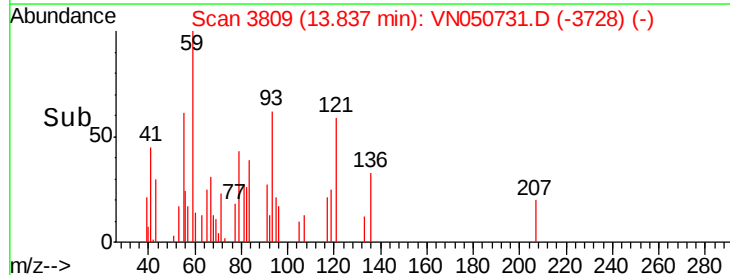
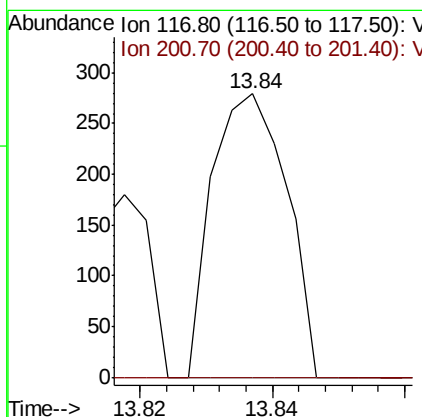
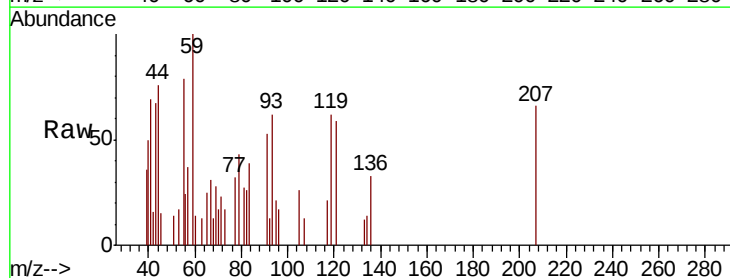
Instrument :
MSVOA_N
ClientSampleId :

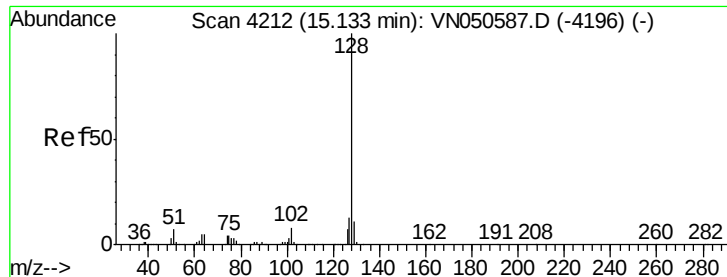
Tot Ion: 91 Resp: 7924
Ion Ratio Lower Upper
91 100
92 33.9 26.3 78.8
134 15.9 13.3 39.9



#90
Hexachloroethane
Concen: 2.34 ug/l
RT: 13.84 min Scan# 3809
Delta R.T. -0.04 min
Lab File: VN050731.D
Acq: 17 Aug 2018 15:37

Tgt Ion: 117 Resp: 217
Ion Ratio Lower Upper
117 100
201 0.0 45.5 136.5#

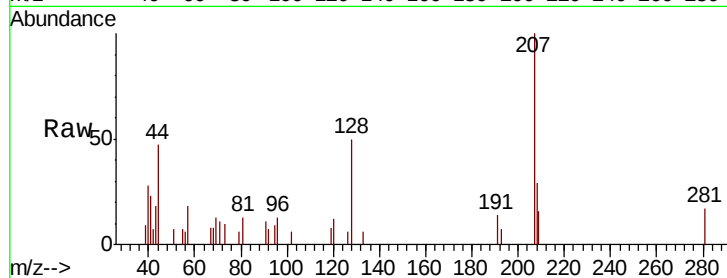




#95
 Naphthalene
 Concen: 10.73 ug/l
 RT: 15.13 min Scan# 4211
 Delta R.T. -0.00 min
 Lab File: VN050731.D
 Acq: 17 Aug 2018 15:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.5	12.7#



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

