

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121718\
 Data File : VN052937.D
 Acq On : 17 Dec 2018 19:38
 Operator : MD\SY
 Sample : J6437-05 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 04:47:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 13 01:08:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1304410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1999958	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1826465	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	776827	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	638262	46.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.04%	
35) Dibromofluoromethane	7.59	113	502344	45.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.00%	
50) Toluene-d8	10.09	98	2470602	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
62) 4-Bromofluorobenzene	12.40	95	854454	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	

Target Compounds

					Qvalue
8) Diethyl Ether	3.42	74	6885	0.944	ug/l 93
11) Tert butyl alcohol	4.77	59	62593	80.768	ug/l 99
13) Acrolein	3.62	56	187	0.256	ug/l # 16
16) Acetone	3.81	43	733902	235.602	ug/l 97
18) Methyl Acetate	4.33	43	126801	11.092	ug/l 100
19) Methyl tert-butyl Ether	5.05	73	103922	3.192	ug/l 96
20) Methylene Chloride	4.55	84	3859	0.275	ug/l 89
22) Diisopropyl ether	5.96	45	64438	1.542	ug/l # 1
23) Vinyl Acetate	5.99	43	6744	0.271	ug/l # 73
25) 2-Butanone	6.84	43	152436	31.538	ug/l 99
26) 2,2-Dichloropropane	6.66	77	4009	0.226	ug/l # 51
29) Tetrahydrofuran	7.22	42	3009	0.912	ug/l 97
31) Cyclohexane	7.66	56	23449	0.423	ug/l # 1
36) 1,1-Dichloropropene	7.67	75	85347	4.634	ug/l # 49
37) Ethyl Acetate	6.84	43	152436	13.778	ug/l # 68
38) Carbon Tetrachloride	7.67	117	113848	6.716	ug/l # 15
40) Benzene	8.04	78	304548	5.510	ug/l 99
43) Isopropyl Acetate	8.32	43	1236382	54.505	ug/l # 53
48) Methyl methacrylate	9.17	41	39750	3.996	ug/l # 35
49) 1,4-Dioxane	9.20	88	6573	58.211	ug/l # 22
51) 4-Methyl-2-Pentanone	9.98	43	70840	6.811	ug/l 99
52) Toluene	10.16	92	2156229	64.406	ug/l 100
53) t-1,3-Dichloropropene	10.24	75	39513	2.255	ug/l # 44
56) Ethyl methacrylate	10.36	69	4039	0.263	ug/l # 67
58) 2-Chloroethyl Vinyl ether	9.81	63	2666	0.312	ug/l 94
59) 2-Hexanone	10.76	43	41069	5.761	ug/l 67
67) Ethyl Benzene	11.51	91	1083636	16.653	ug/l 99
68) m/p-Xylenes	11.62	106	2148986	87.949	ug/l 99
69) o-Xylene	11.95	106	793463	33.255	ug/l 99
70) Styrene	11.95	104	38966	1.016	ug/l # 1
71) Bromoform	12.40	173	5109	0.571	ug/l # 1
73) Isopropylbenzene	12.25	105	46136	0.795	ug/l 99
74) N-amyl acetate	12.03	43	21024	1.320	ug/l # 43
75) 1,1,2,2-Tetrachloroethane	12.54	83	17463	1.343	ug/l # 25

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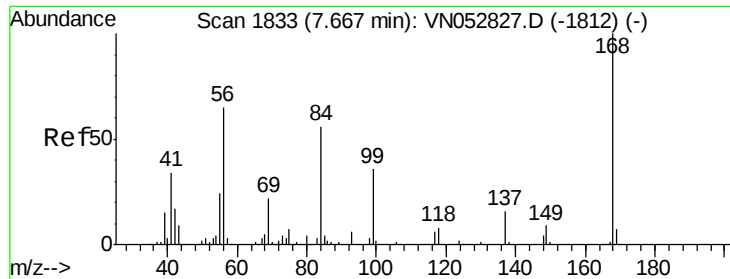
Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 18 04:47:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121218W.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

76) 1,2,3-Trichloropropane	12.40	75	403260	35.185	ug/l #	100
78) n-propylbenzene	12.59	91	62481	0.945	ug/l	97
79) 2-Chlorotoluene	12.66	91	35263	0.902	ug/l	91
80) 1,3,5-Trimethylbenzene	12.73	105	173882	3.714	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	403260	113.031	ug/l #	16
82) 4-Chlorotoluene	12.66	91	35263	0.882	ug/l	91
83) tert-Butylbenzene	13.04	119	67424	1.632	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.04	105	546908	11.538	ug/l	99
85) sec-Butylbenzene	13.04	105	546908	9.778	ug/l #	56
86) p-Isopropyltoluene	13.29	119	11893	0.245	ug/l #	76
89) n-Butylbenzene	13.58	91	48705	1.194	ug/l #	1
90) Hexachloroethane	13.89	117	35483	4.373	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.24	75	3567	1.820	ug/l #	1
95) Naphthalene	15.13	128	212699	7.492	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

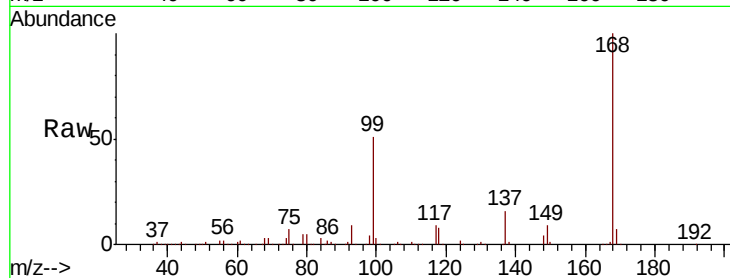
ClientSampled :

Tot Ion:168 Resp: 1304410

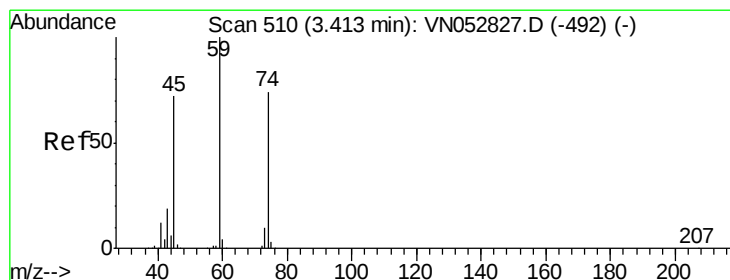
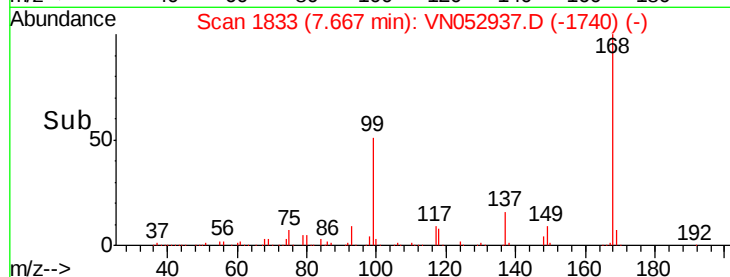
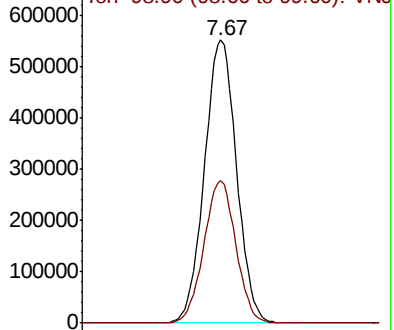
Ion Ratio Lower Upper

168 100

99 50.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN052827.D (-1812) (-)



#8

Diethyl Ether

Concen: 0.944 ug/l

RT: 3.42 min Scan# 511

Delta R.T. 0.00 min

Lab File: VN052937.D

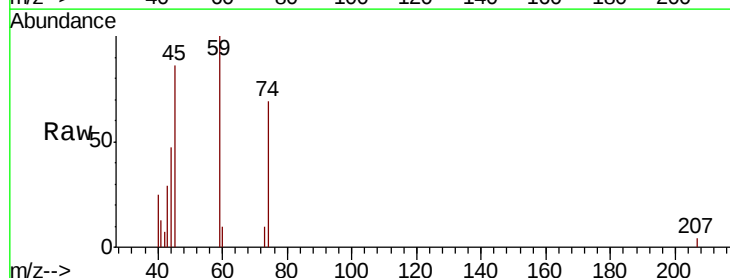
Acq: 17 Dec 2018 19:38

Tgt Ion: 74 Resp: 6885

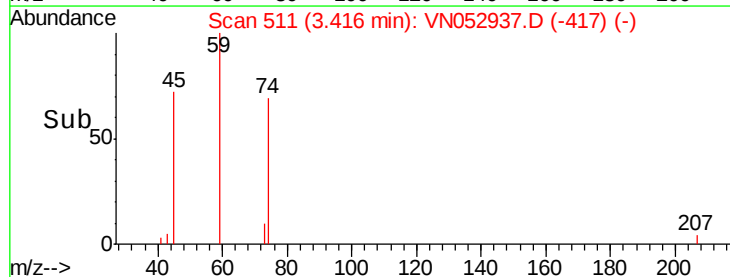
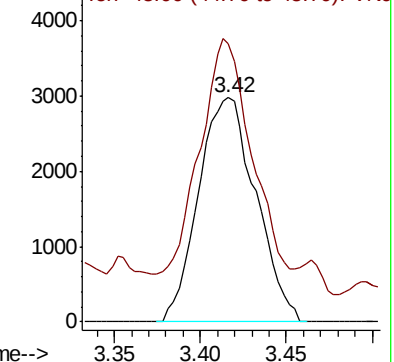
Ion Ratio Lower Upper

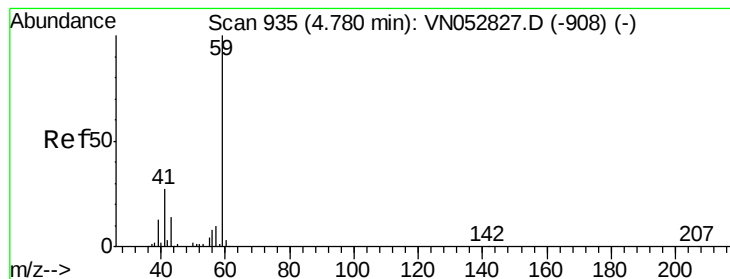
74 100

45 92.2 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VN052827.D (-492) (-)





#11

Tert butyl alcohol

Concen: 80.768 ug/l

RT: 4.77 min Scan# 932

Delta R.T. -0.01 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

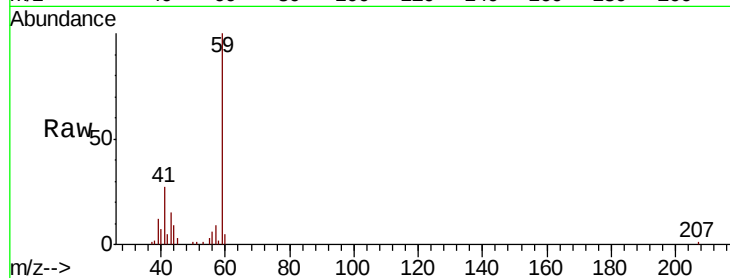
ClientSampleId :

Tot Ion: 59 Resp: 62593

Ion Ratio Lower Upper

59 100

57 9.9 7.7 11.5



Abundance Ion 59.00 (58.70 to 59.70): VN052827.D (-908) (-)

Ion 57.00 (56.70 to 57.70): VN052827.D (-908) (-)

4.77

15000

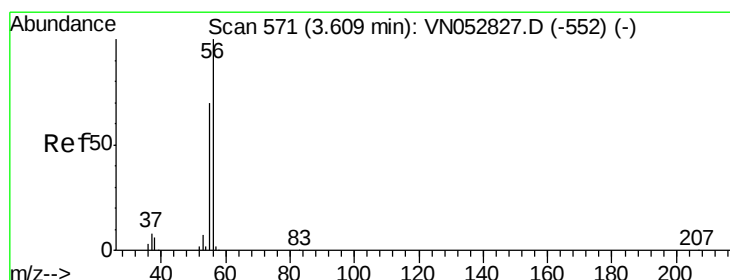
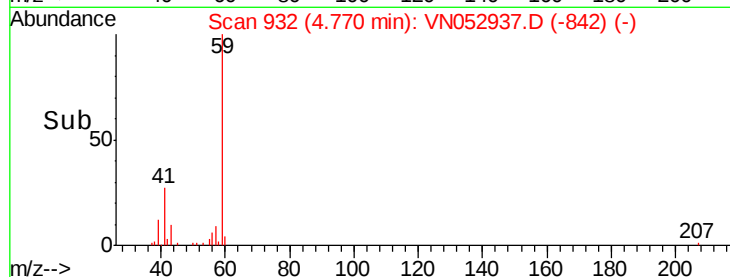
10000

5000

0

Time-->

4.70 4.80 4.90



#13

Acrolein

Concen: 0.256 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN052937.D

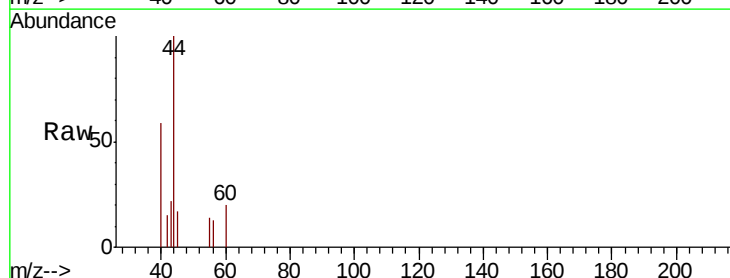
Acq: 17 Dec 2018 19:38

Tgt Ion: 56 Resp: 187

Ion Ratio Lower Upper

56 100

55 140.1 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN052827.D (-552) (-)

Ion 55.00 (54.70 to 55.70): VN052827.D (-552) (-)

3.62

300

250

200

150

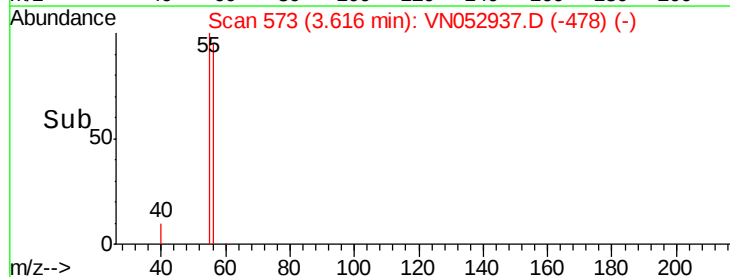
100

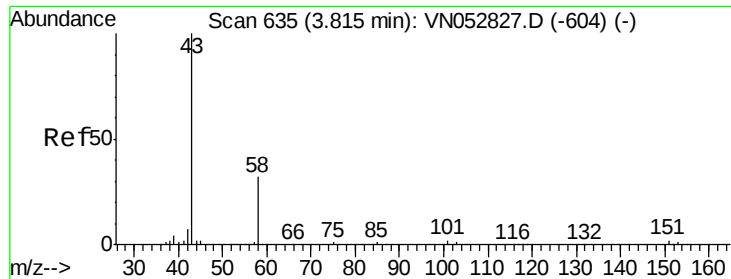
50

0

Time-->

3.60 3.61 3.62 3.63 3.64





#16

Acetone

Concen: 235.602 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

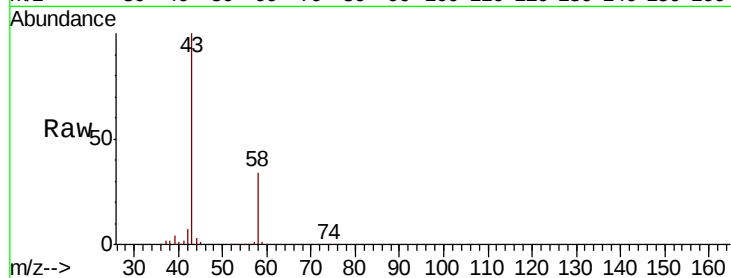
ClientSampled :

Tot Ion: 43 Resp: 733902

Ion Ratio Lower Upper

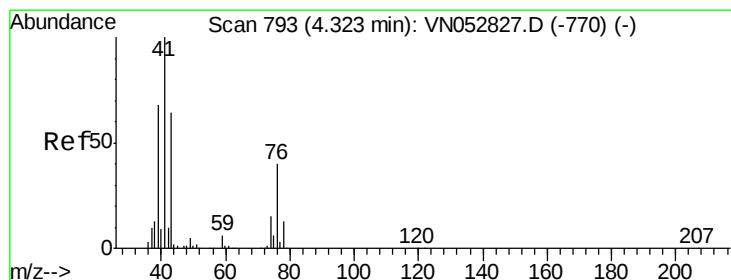
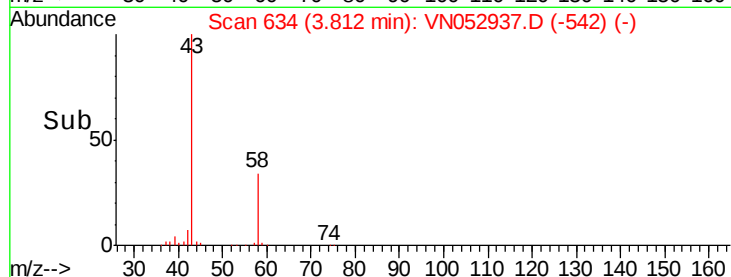
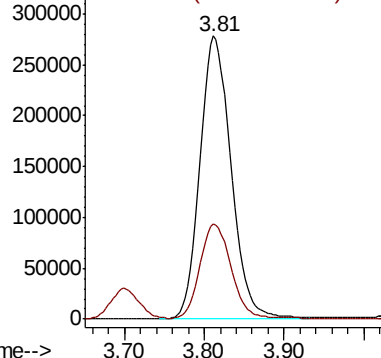
43 100

58 33.4 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 11.092 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052937.D

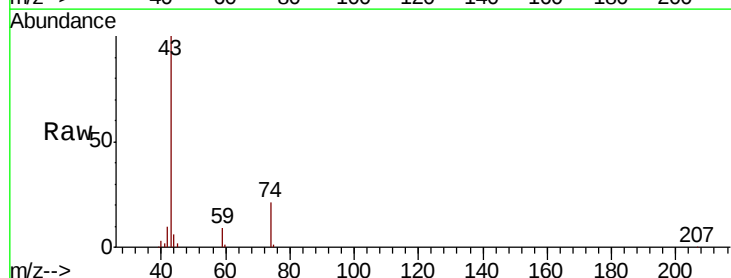
Acq: 17 Dec 2018 19:38

Tgt Ion: 43 Resp: 126801

Ion Ratio Lower Upper

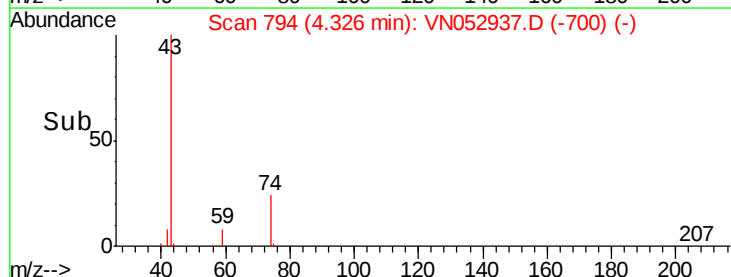
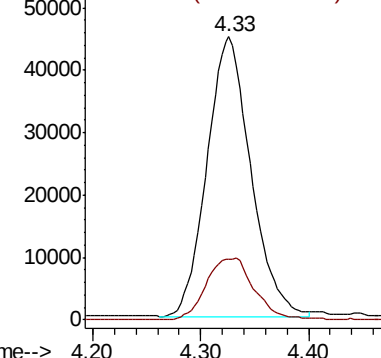
43 100

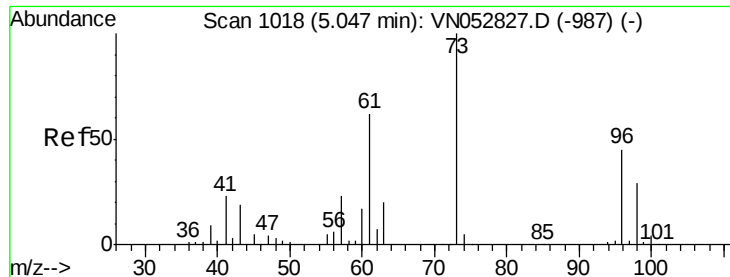
74 24.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

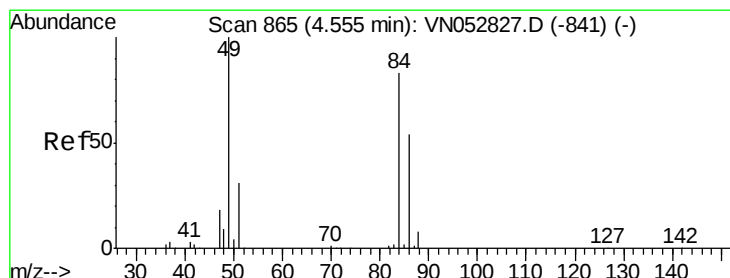
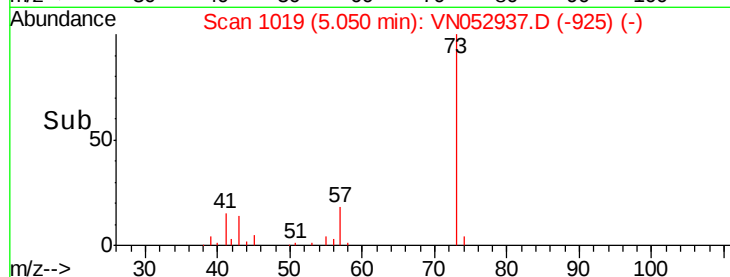
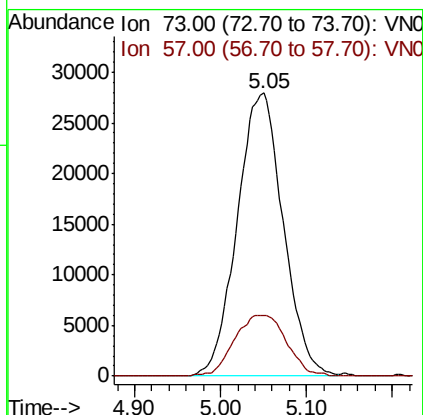
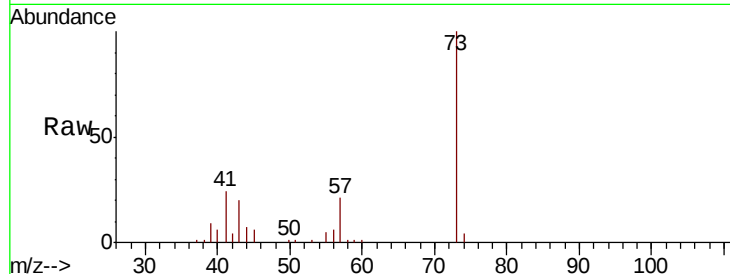




#19
Methvl tert-butvl Ether
Concen: 3.192 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

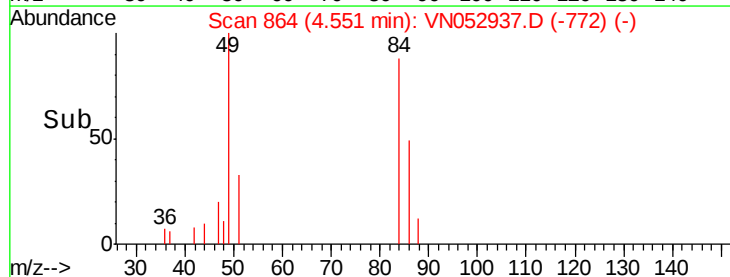
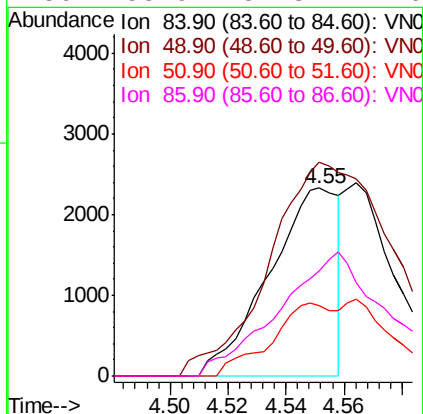
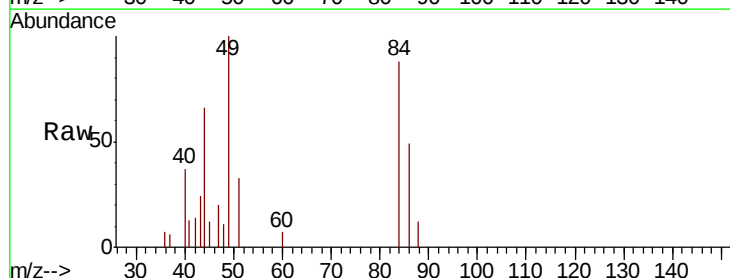
Instrument :
MSVOA_N
ClientSampled :

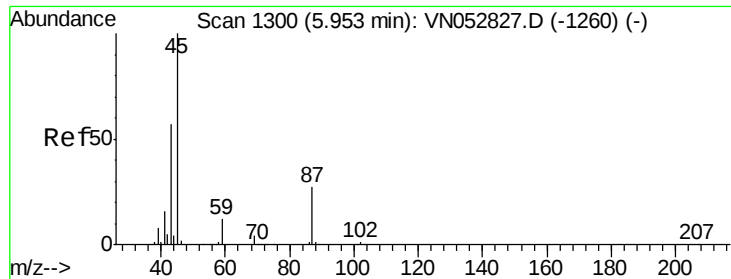
Tot Ion: 73 Resp: 103922
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6



#20
Methylene Chloride
Concen: 0.275 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion: 84 Resp: 3859
Ion Ratio Lower Upper
84 100
49 105.8 96.8 145.2
51 37.3 29.9 44.9
86 55.9 51.8 77.6





#22

Diisopropyl ether

Concen: 1.542 ug/l

RT: 5.96 min Scan# 1301

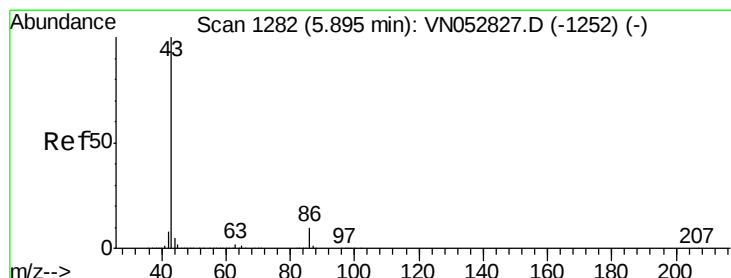
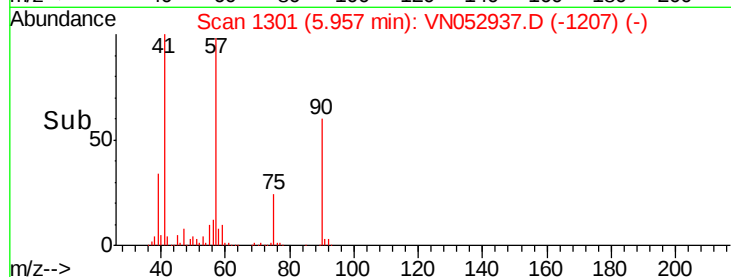
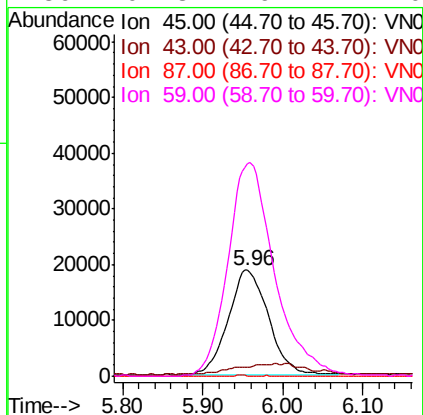
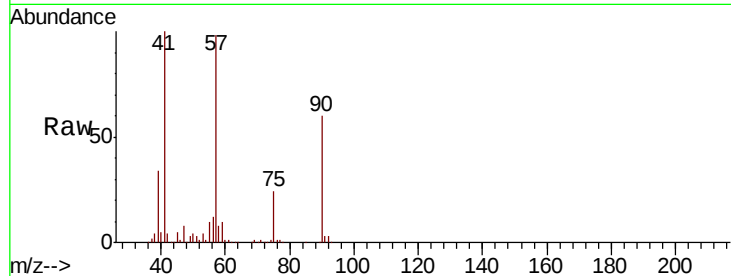
Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	45	Resp:	64438
Ion	Ratio	Lower	Upper
45	100		
43	6.2	45.5	68.3#
87	0.0	22.0	33.0#
59	202.3	9.4	14.0#



#23

Vinyl Acetate

Concen: 0.271 ug/l

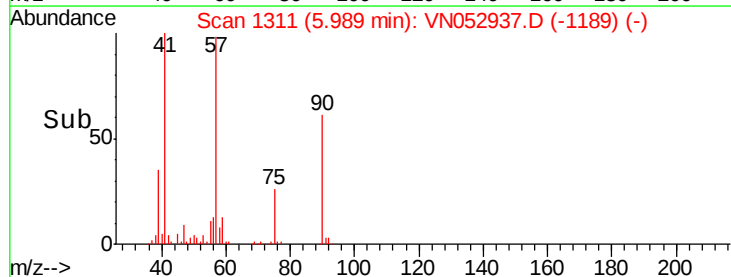
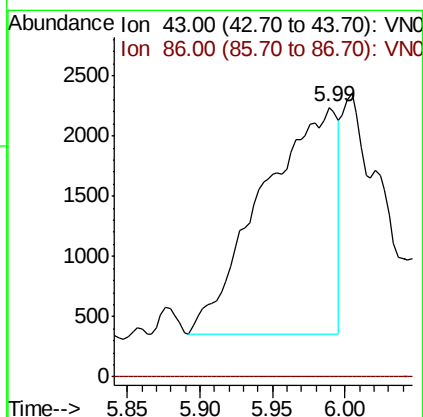
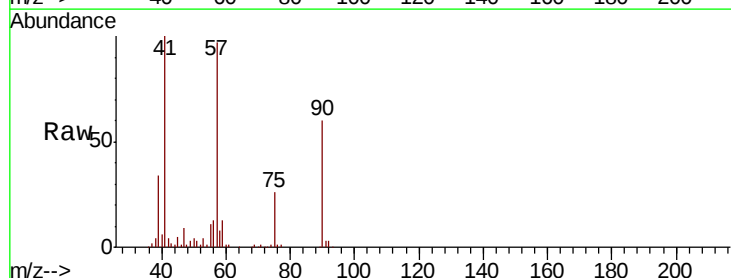
RT: 5.99 min Scan# 1311

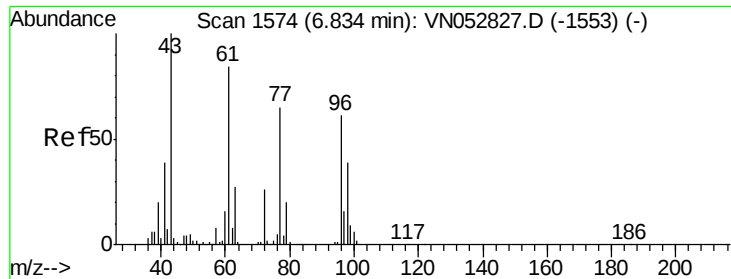
Delta R.T. 0.09 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Tgt Ion:	43	Resp:	6744
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.1	12.1#





#25

2-Butanone

Concen: 31.538 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

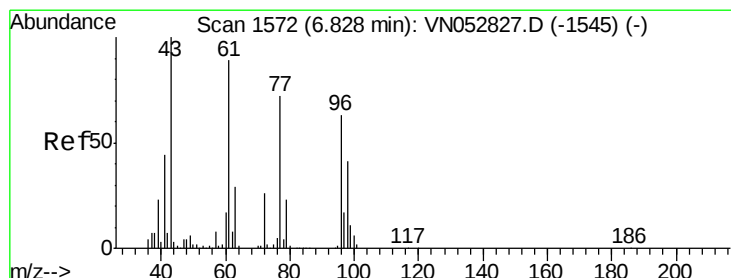
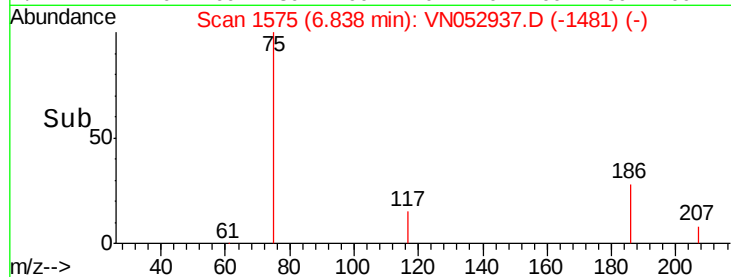
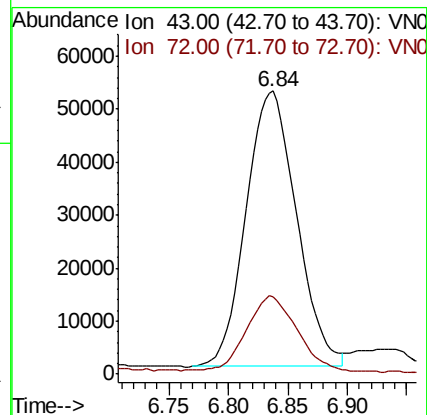
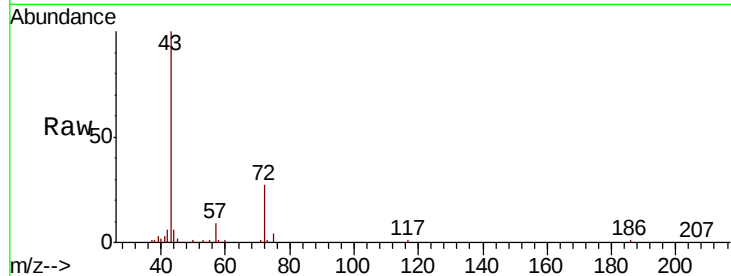
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 152436

Ion Ratio Lower Upper

43 100

72 26.7 21.0 31.6



#26

2,2-Dichloropropane

Concen: 0.226 ug/l

RT: 6.66 min Scan# 1519

Delta R.T. -0.17 min

Lab File: VN052937.D

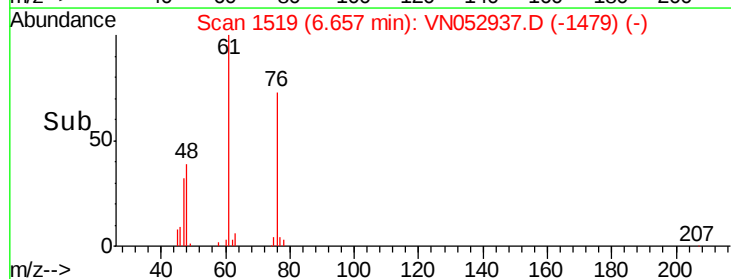
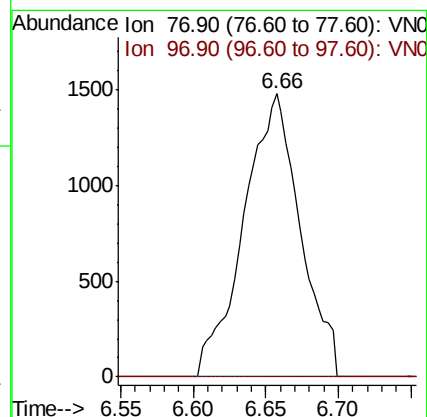
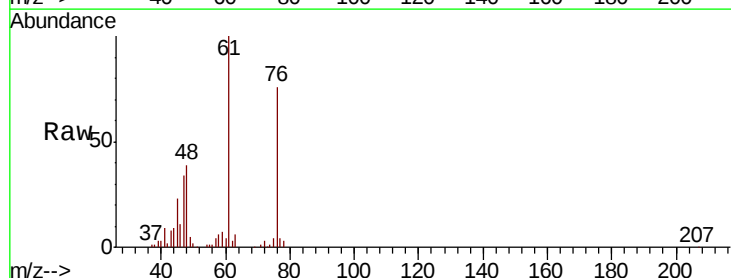
Acq: 17 Dec 2018 19:38

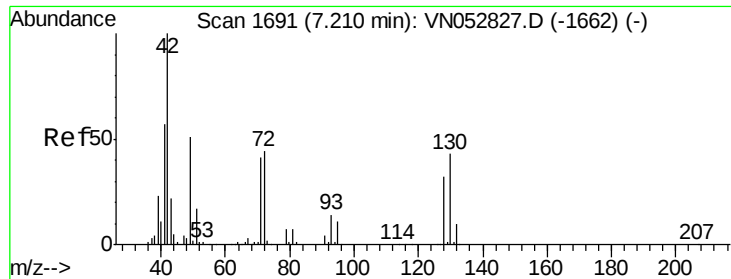
Tgt Ion: 77 Resp: 4009

Ion Ratio Lower Upper

77 100

97 0.0 11.9 35.9#

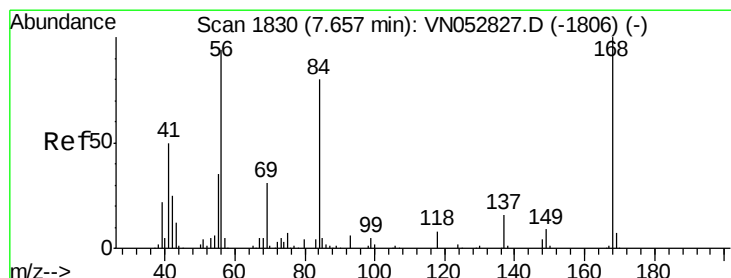
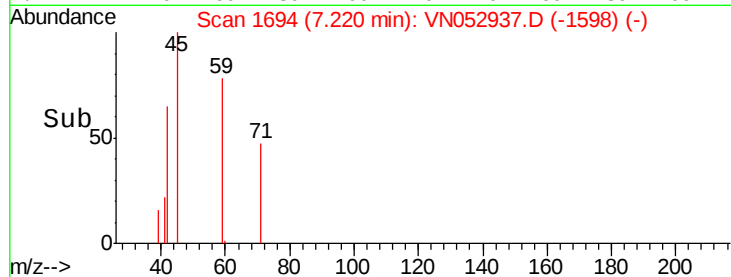
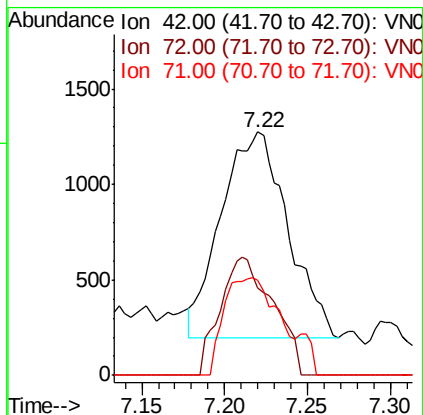
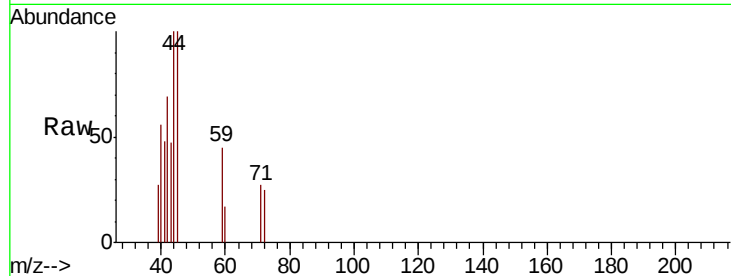




#29
Tetrahydrofuran
Concen: 0.912 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

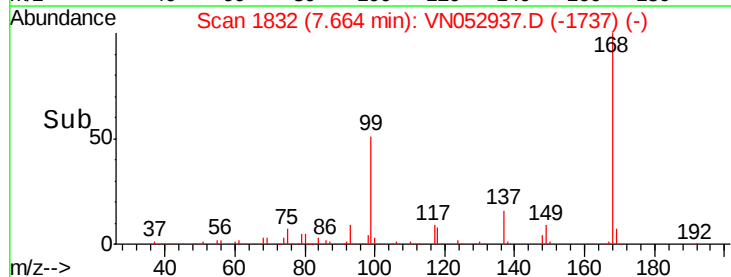
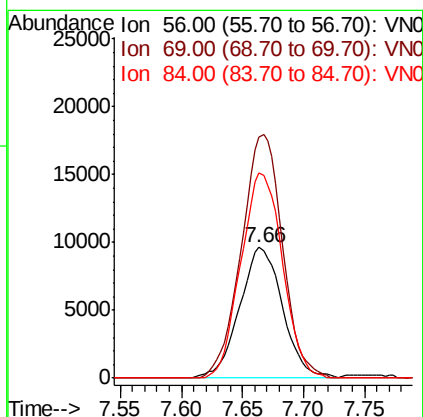
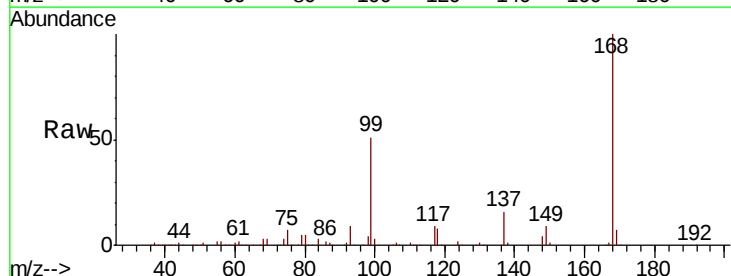
Instrument :
MSVOA_N
ClientSampled :

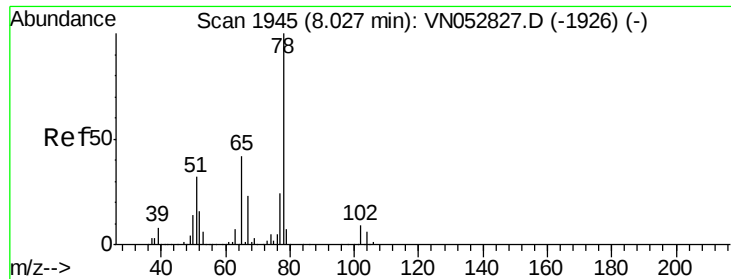
Tot Ion: 42 Resp: 3009
Ion Ratio Lower Upper
42 100
72 45.7 34.7 52.1
71 38.4 32.3 48.5



#31
Cyclohexane
Concen: 0.423 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion: 56 Resp: 23449
Ion Ratio Lower Upper
56 100
69 184.7 26.6 39.8#
84 157.4 68.4 102.6#

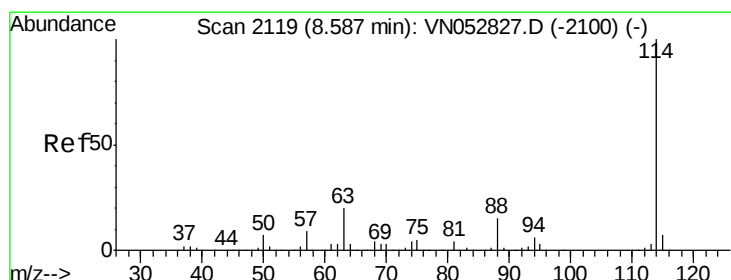
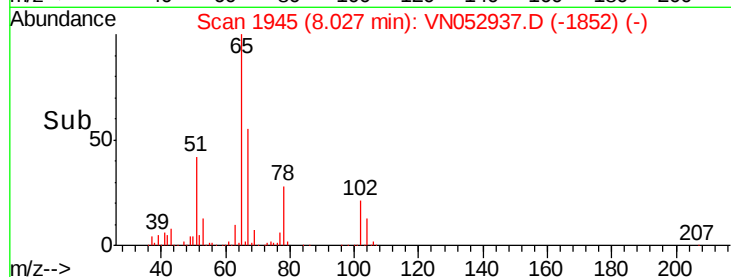
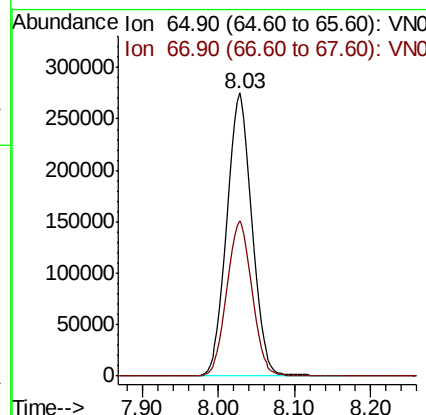
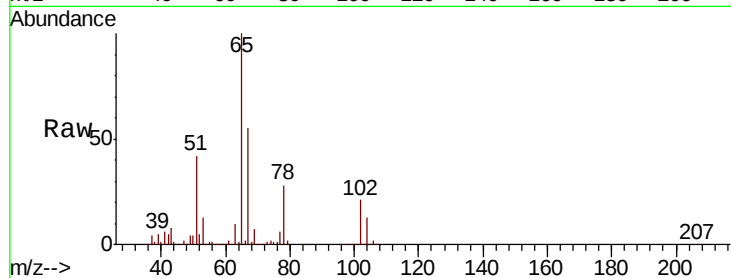




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

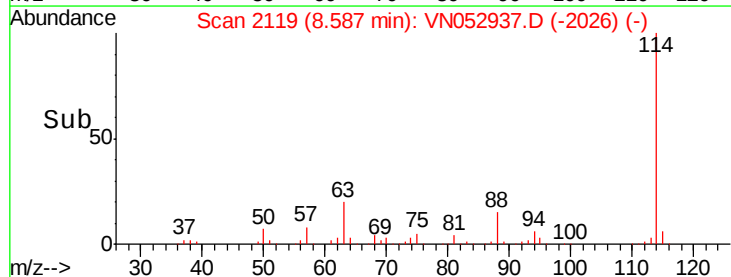
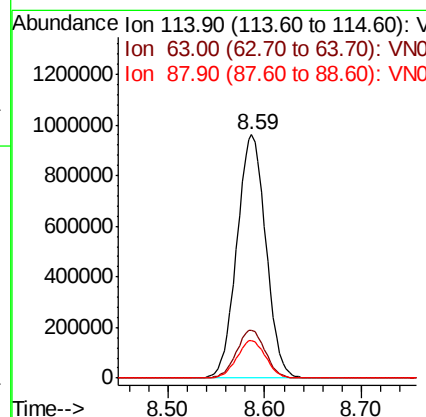
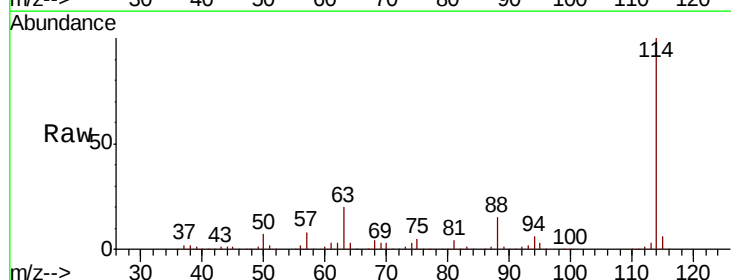
Instrument :
 MSVOA_N
 ClientSampleId :

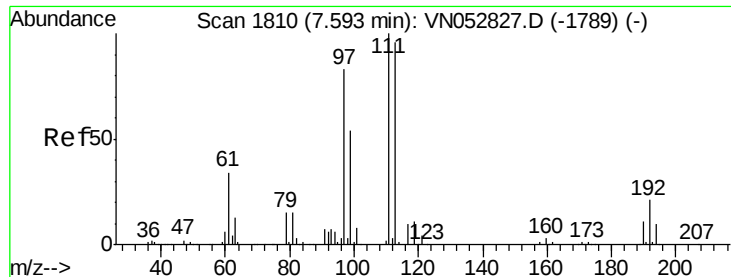
Tot Ion: 65 Resp: 638262
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

Tgt Ion: 114 Resp: 1999958
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.5 0.0 31.0

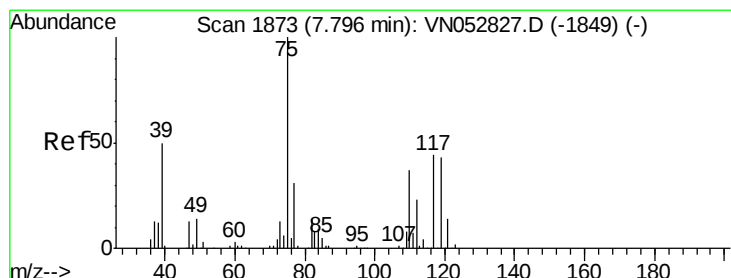
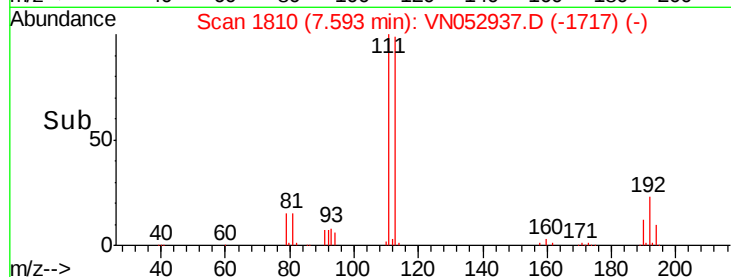
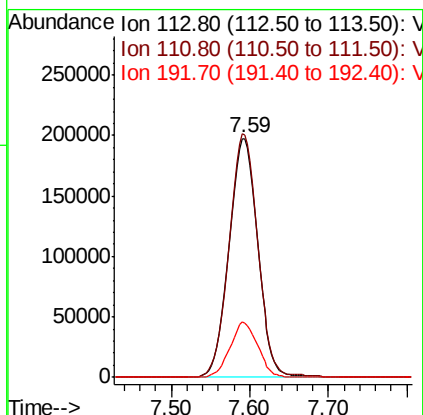
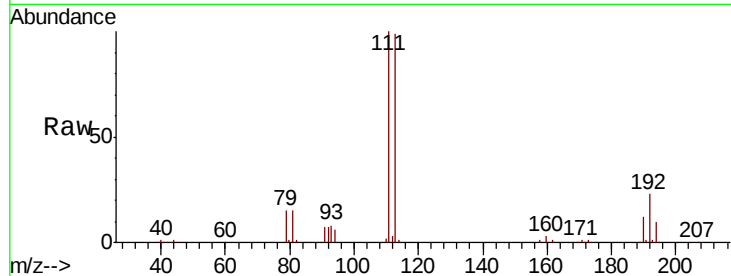




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

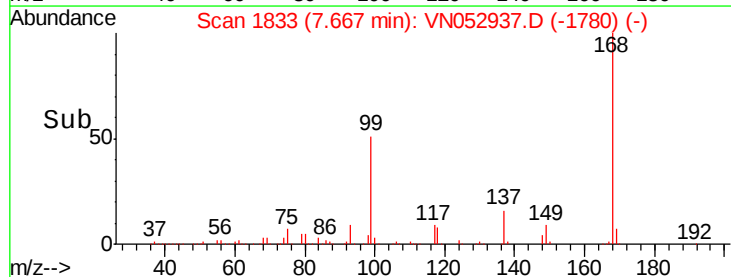
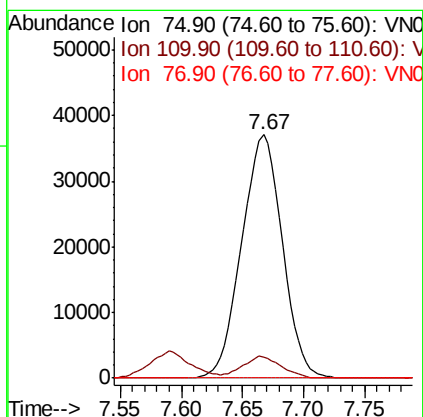
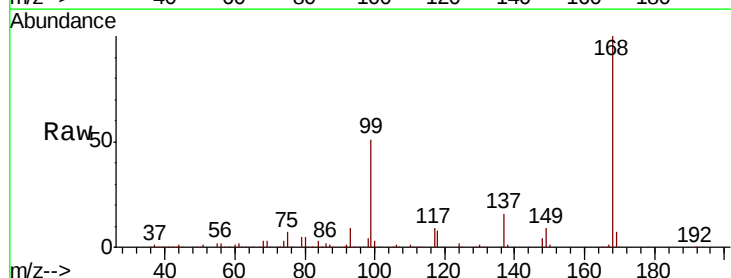
Instrument :
 MSVOA_N
 ClientSampled :

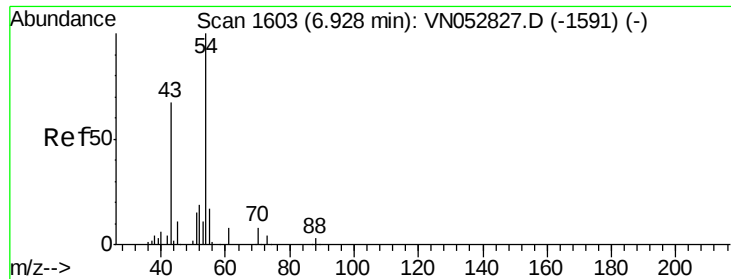
Tot Ion:113 Resp: 502344
 Ion Ratio Lower Upper
 113 100
 111 100.5 83.0 124.4
 192 22.4 17.5 26.3



#36
 1,1-Dichloropropene
 Concen: 4.634 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052937.D
 Acq: 17 Dec 2018 19:38

Tgt Ion: 75 Resp: 85347
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.2 54.6#
 77 0.0 24.9 37.3#

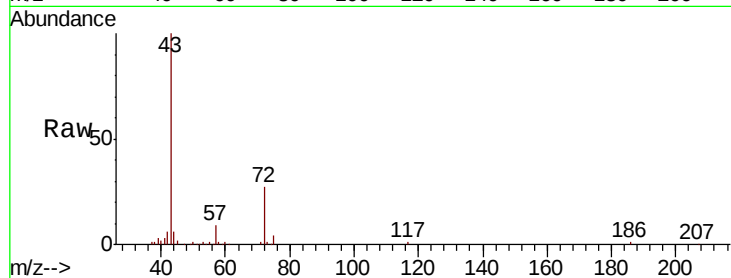




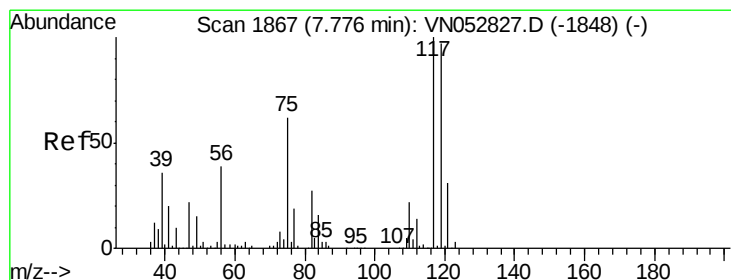
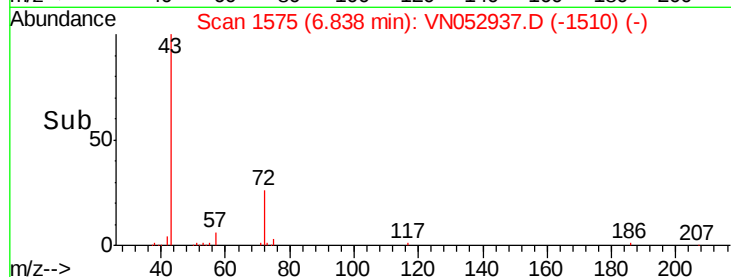
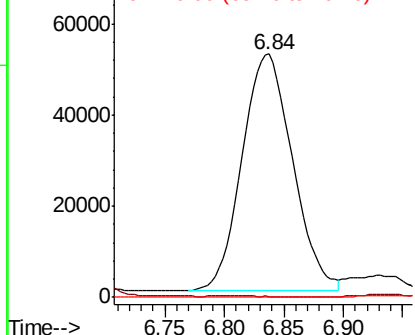
#37
Ethyl Acetate
Concen: 13.778 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.09 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 152436
Ion Ratio Lower Upper
43 100
61 0.0 11.8 17.6#
70 0.0 8.4 12.6#

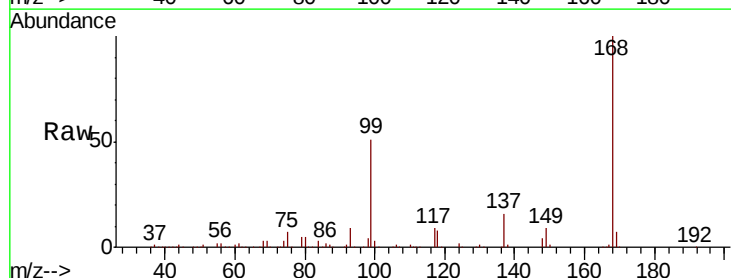


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

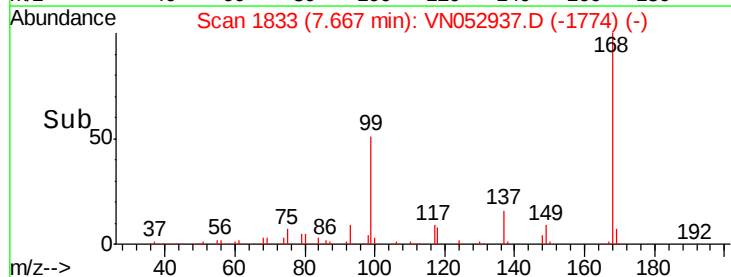
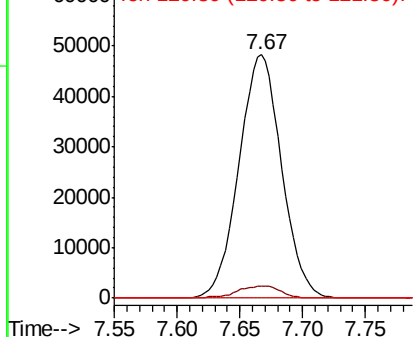


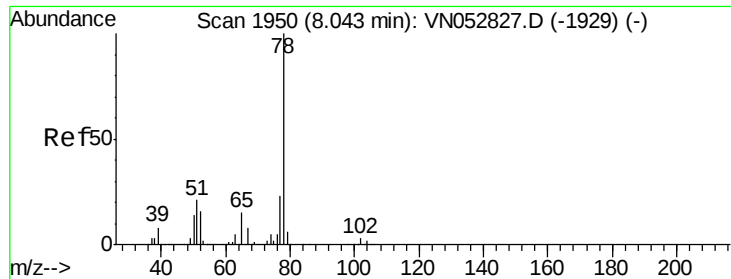
#38
Carbon Tetrachloride
Concen: 6.716 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion: 117 Resp: 113848
Ion Ratio Lower Upper
117 100
119 4.7 77.1 115.7#
121 0.0 24.9 37.3#



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

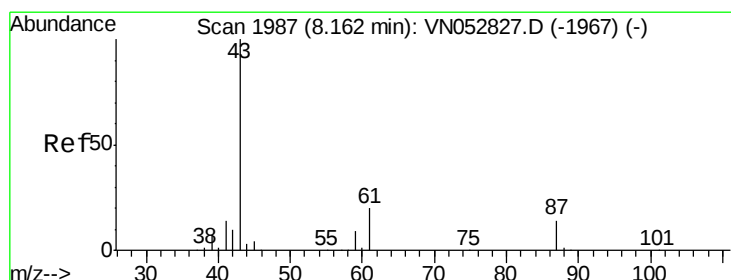
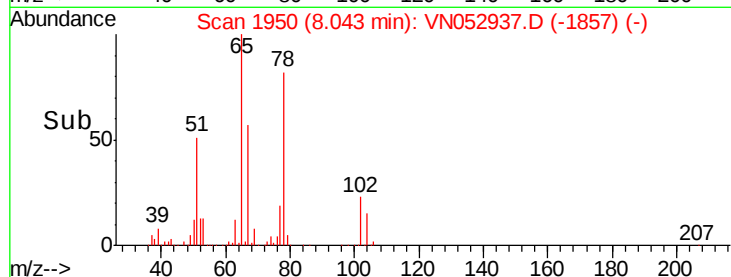
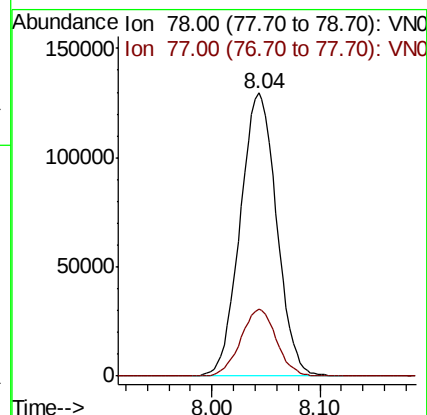
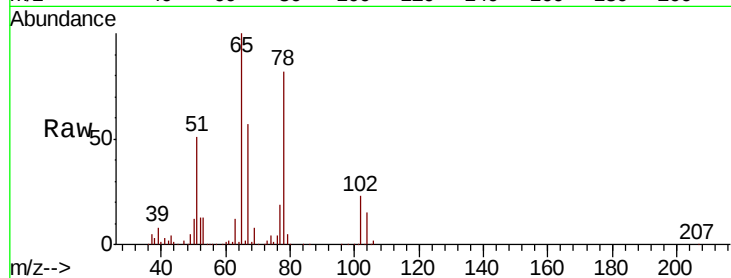




#40
Benzene
Concen: 5.510 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

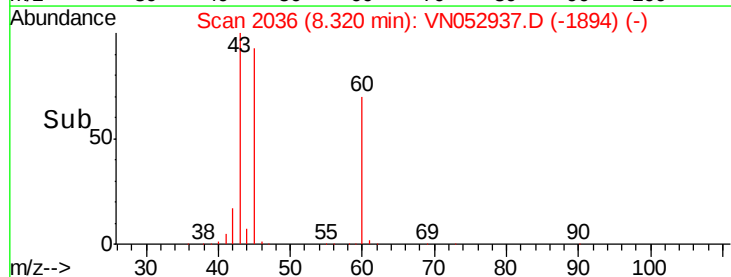
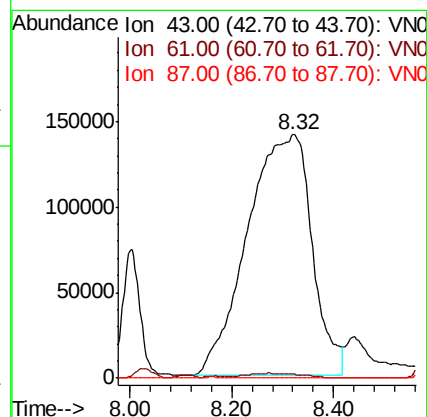
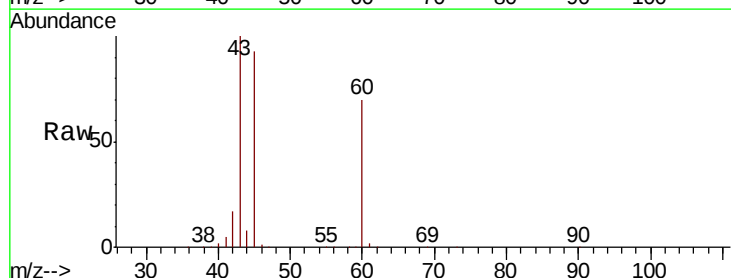
Instrument :
MSVOA_N
ClientSampled :

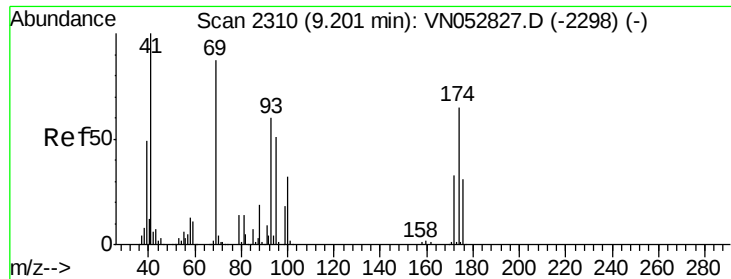
Tot Ion: 78 Resp: 304548
Ion Ratio Lower Upper
78 100
77 23.6 18.5 27.7



#43
Isopropyl Acetate
Concen: 54.505 ug/l
RT: 8.32 min Scan# 2036
Delta R.T. 0.16 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion: 43 Resp: 1236382
Ion Ratio Lower Upper
43 100
61 0.0 22.9 34.3#
87 0.0 10.6 15.8#

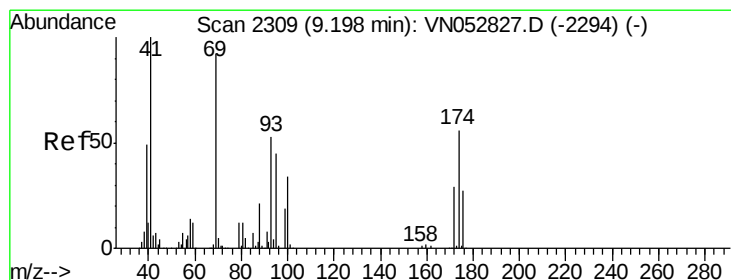
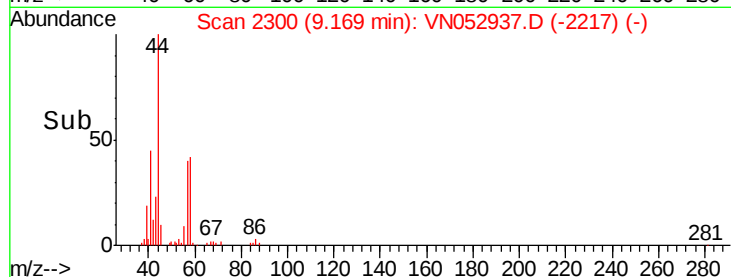
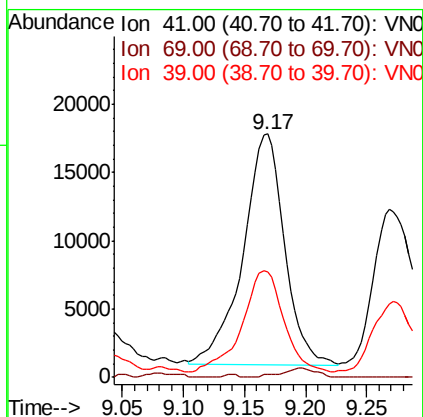
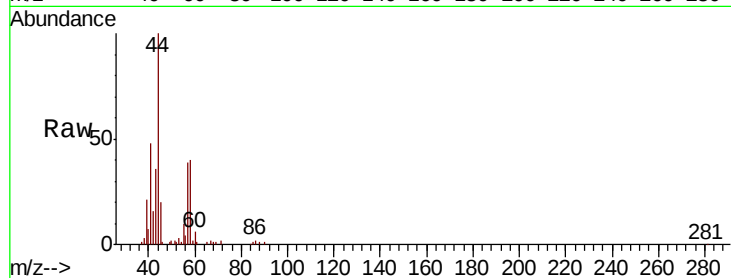




#48
Methvl methacrylate
Concen: 3.996 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.03 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

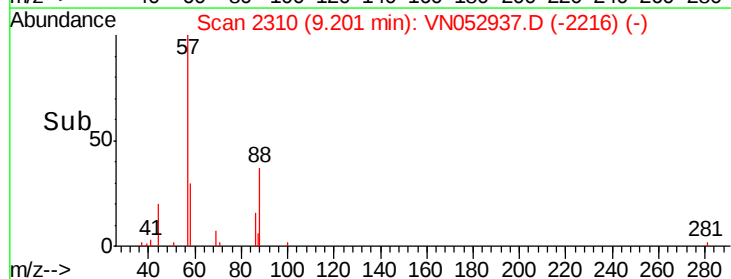
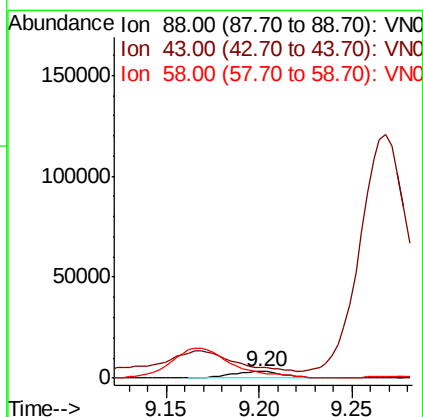
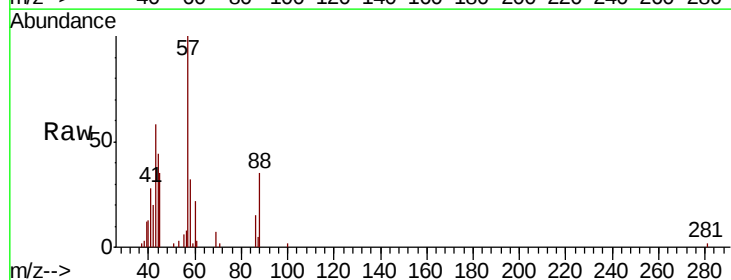
Instrument :
MSVOA_N
ClientSampleId :

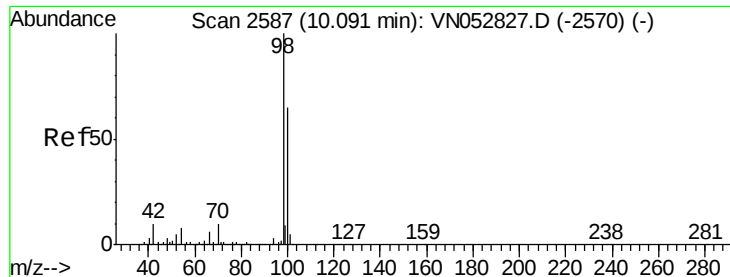
Tot Ion: 41 Resp: 39750
Ion Ratio Lower Upper
41 100
69 0.4 72.2 108.2#
39 43.9 41.9 62.9



#49
1,4-Dioxane
Concen: 58.211 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion: 88 Resp: 6573
Ion Ratio Lower Upper
88 100
43 0.0 26.6 40.0#
58 0.0 58.4 87.6#





#50

Toluene-d8

Concen: 58.211 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

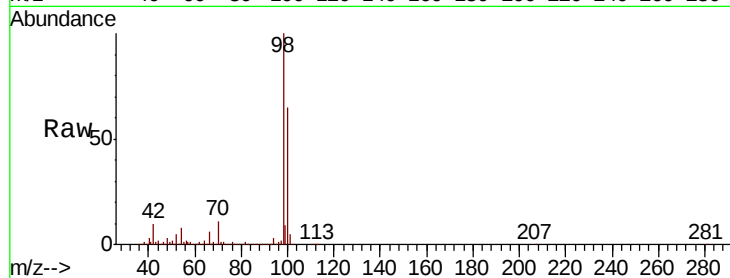
ClientSampled :

Tot Ion: 98 Resp: 2470602

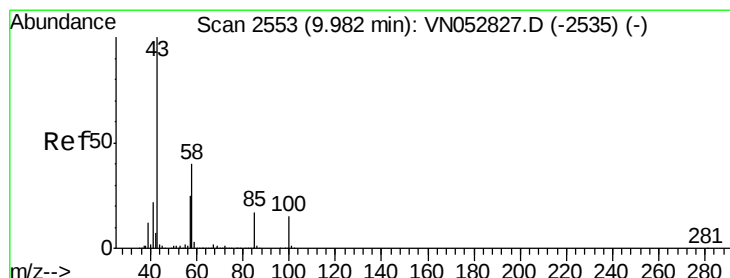
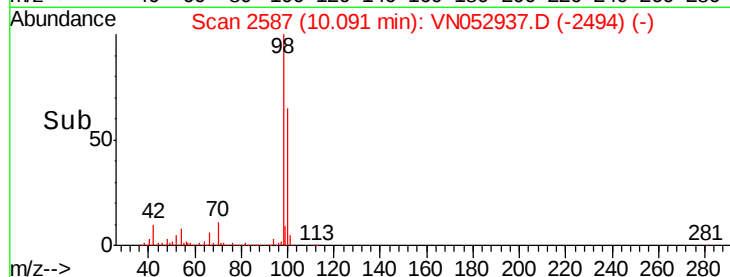
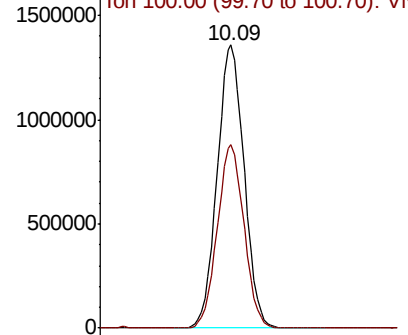
Ion Ratio Lower Upper

98 100

100 64.2 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN052827.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 6.811 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN052937.D

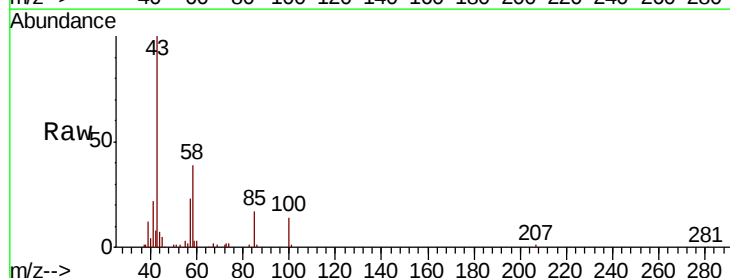
Acq: 17 Dec 2018 19:38

Tgt Ion: 43 Resp: 70840

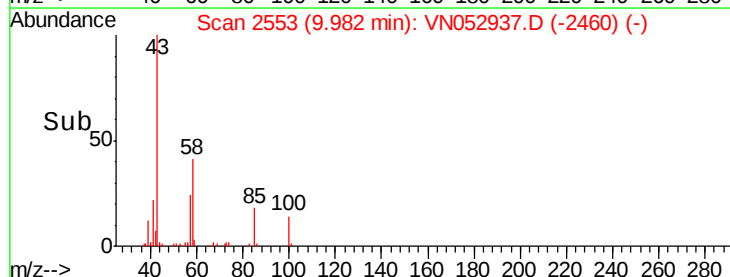
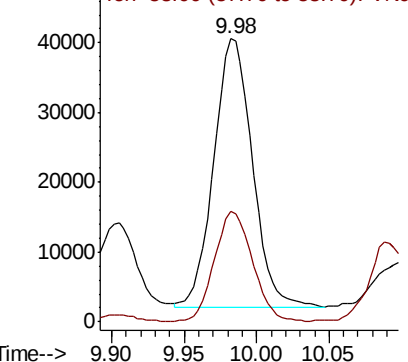
Ion Ratio Lower Upper

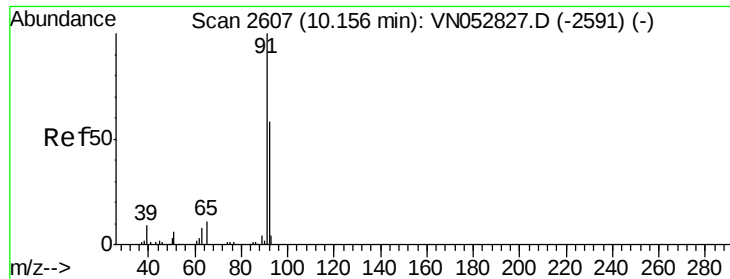
43 100

58 40.9 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052827.D (-2535) (-)





#52

Toluene

Concen: 64.406 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

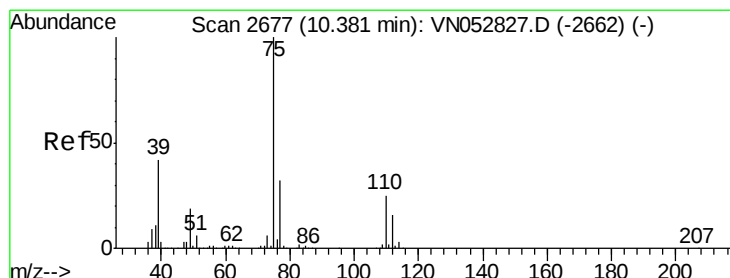
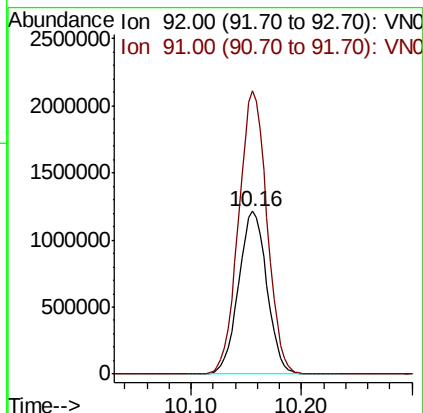
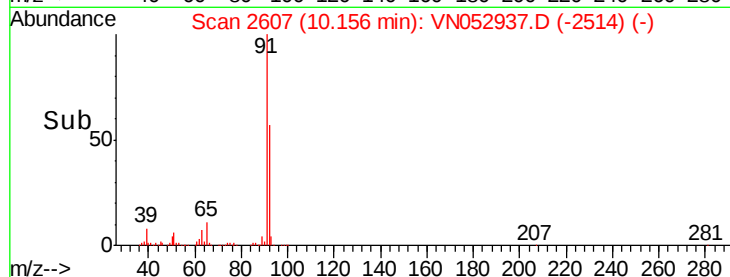
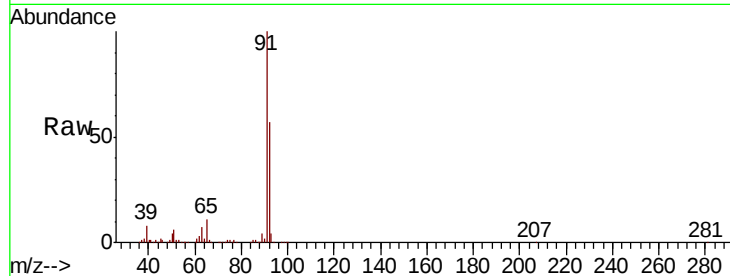
ClientSampleId :

Tot Ion: 92 Resp: 2156229

Ion Ratio Lower Upper

92 100

91 174.6 139.8 209.6



#53

t-1,3-Dichloropropene

Concen: 2.255 ug/l

RT: 10.24 min Scan# 2633

Delta R.T. -0.14 min

Lab File: VN052937.D

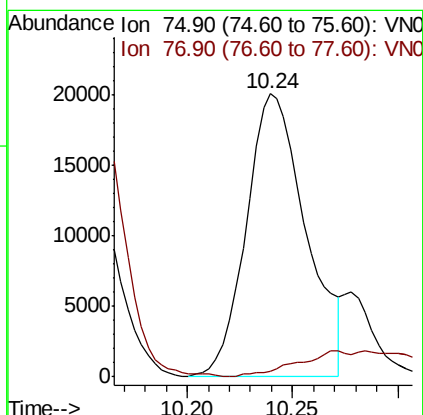
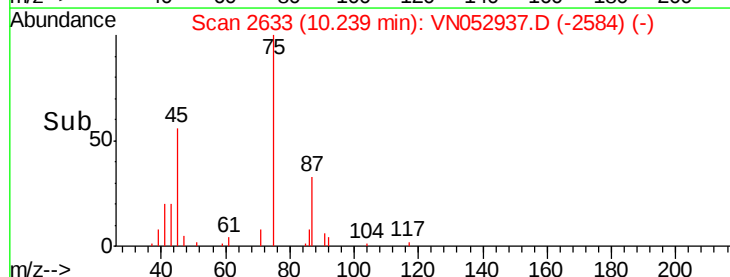
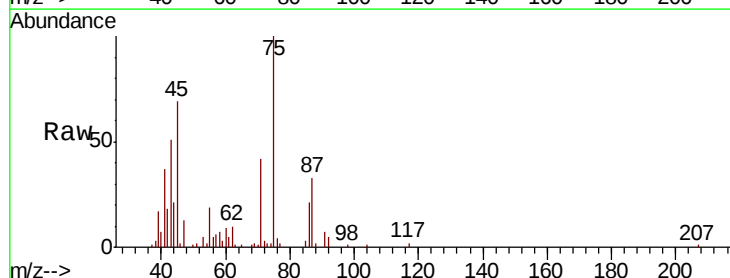
Acq: 17 Dec 2018 19:38

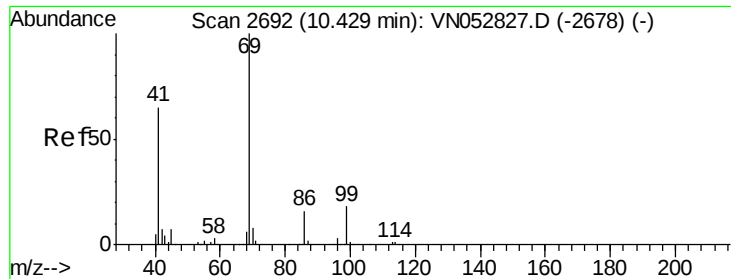
Tgt Ion: 75 Resp: 39513

Ion Ratio Lower Upper

75 100

77 0.7 25.6 38.4#





#56

Ethyl methacrylate

Concen: 0.263 ug/l

RT: 10.36 min Scan# 2672

Delta R.T. -0.06 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

ClientSampled :

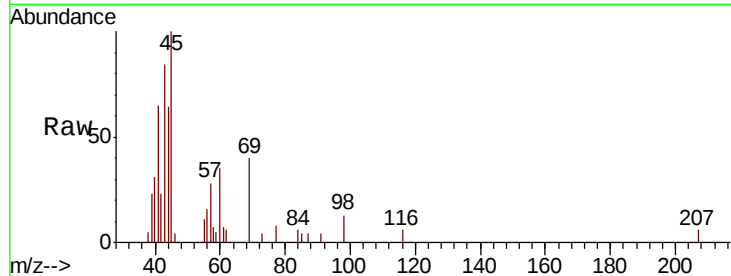
Tot Ion: 69 Resp: 4039

Ion Ratio Lower Upper

69 100

41 82.0 51.7 77.5#

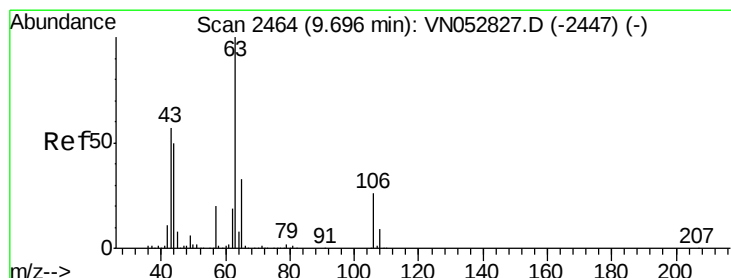
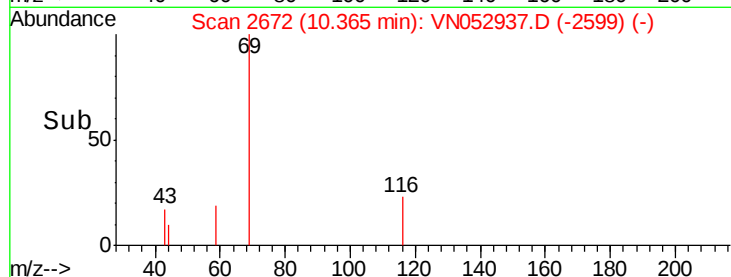
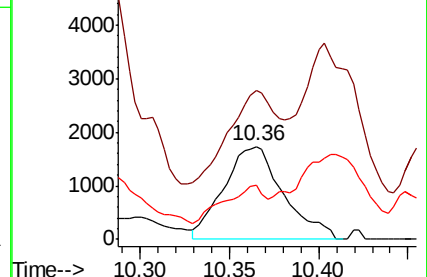
39 0.0 24.6 37.0#



Abundance Ion 69.00 (68.70 to 69.70): VN052827.D (-2678) (-)

Ion 41.00 (40.70 to 41.70): VN052827.D (-2678) (-)

Ion 39.00 (38.70 to 39.70): VN052827.D (-2678) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 0.312 ug/l

RT: 9.81 min Scan# 2499

Delta R.T. 0.11 min

Lab File: VN052937.D

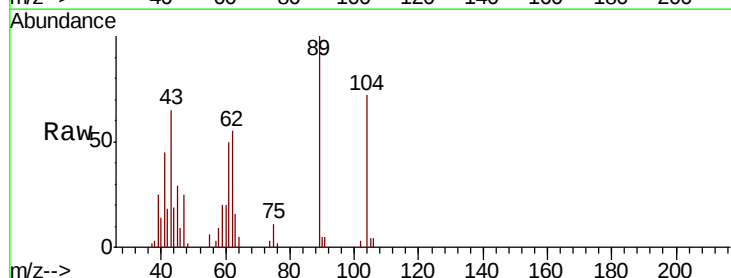
Acq: 17 Dec 2018 19:38

Tgt Ion: 63 Resp: 2666

Ion Ratio Lower Upper

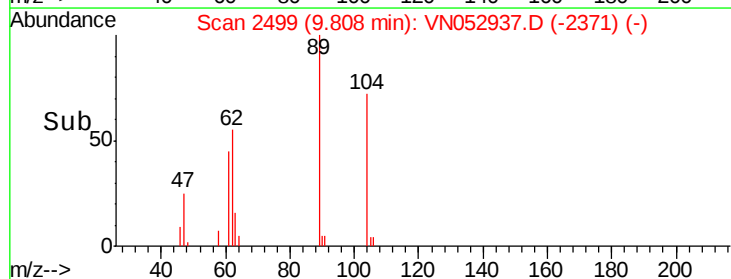
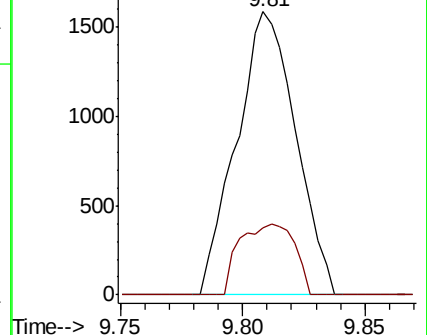
63 100

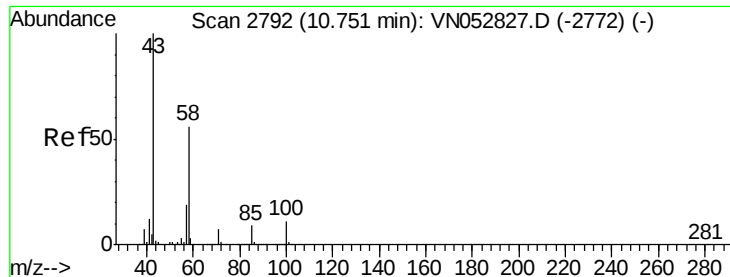
106 23.3 21.0 31.6



Abundance Ion 62.90 (62.60 to 63.60): VN052827.D (-2447) (-)

Ion 105.90 (105.60 to 106.60): VN052827.D (-2447) (-)

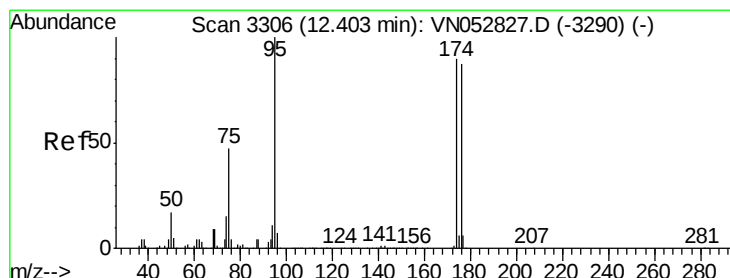
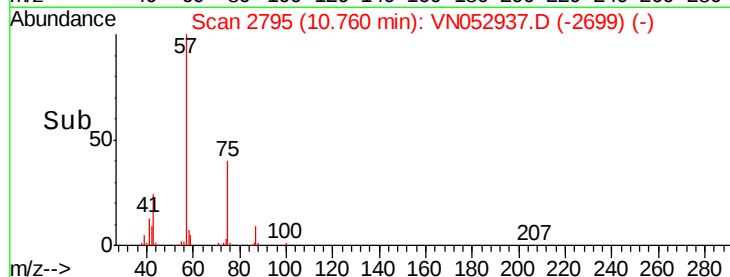
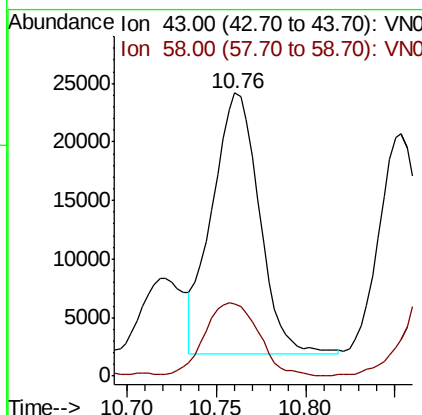
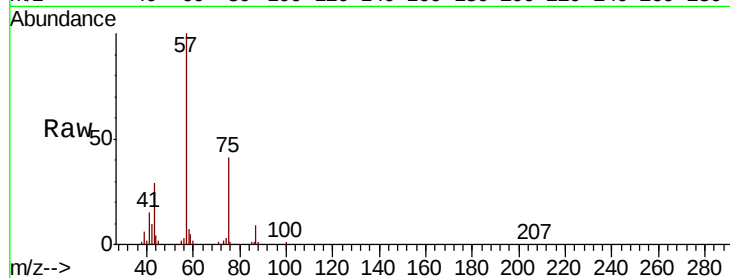




#59
2-Hexanone
Concen: 5.761 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

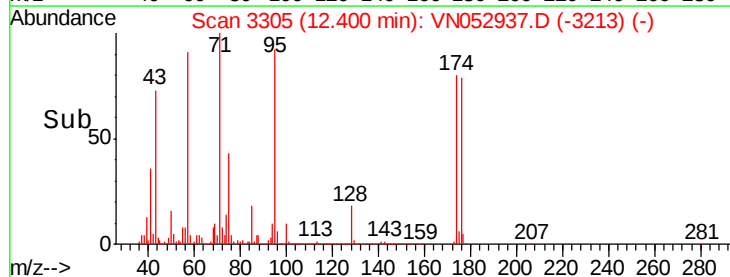
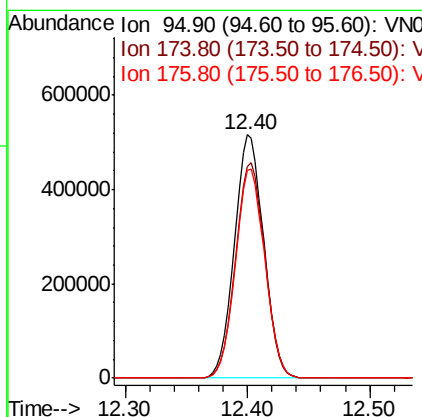
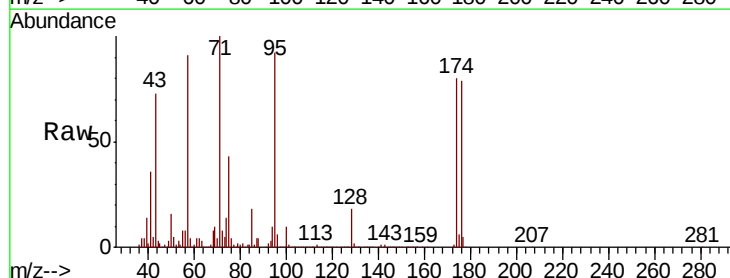
Instrument :
MSVOA_N
ClientSampled :

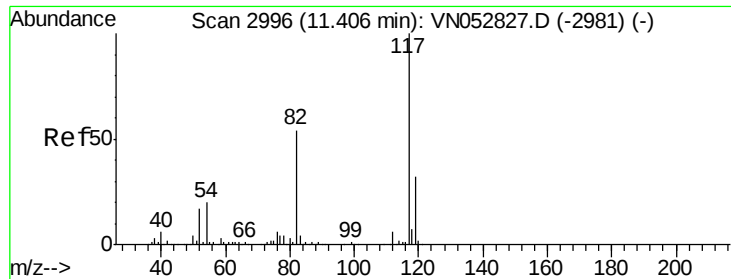
Tot Ion: 43 Resp: 41069
Ion Ratio Lower Upper
43 100
58 32.3 28.1 84.3



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion: 95 Resp: 854454
Ion Ratio Lower Upper
95 100
174 88.9 0.0 178.8
176 86.3 0.0 173.8

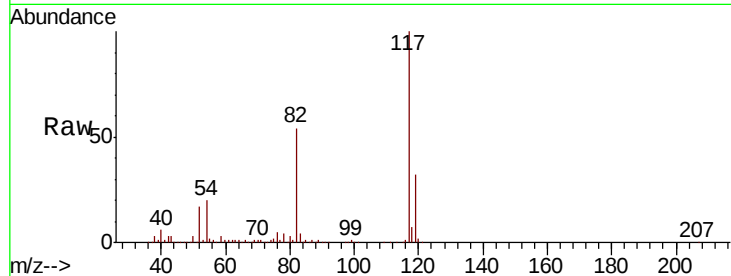




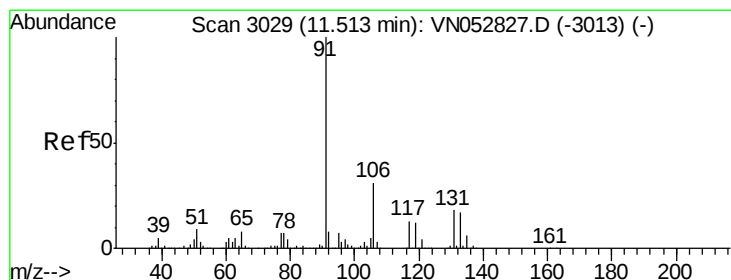
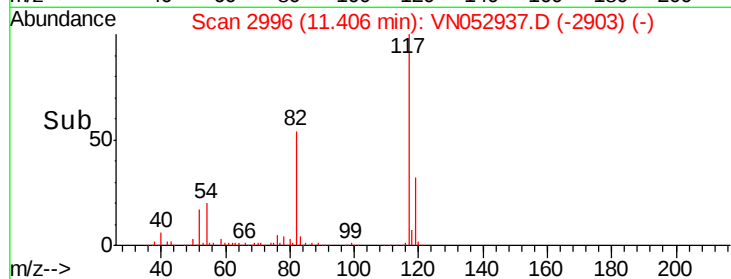
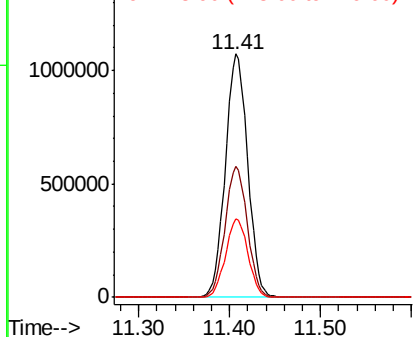
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1826465
Ion Ratio Lower Upper
117 100
82 53.8 42.8 64.2
119 32.4 25.5 38.3

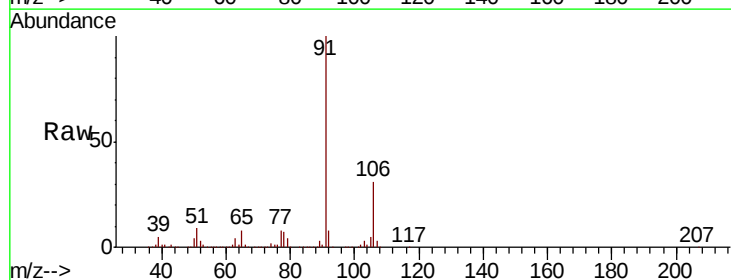


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

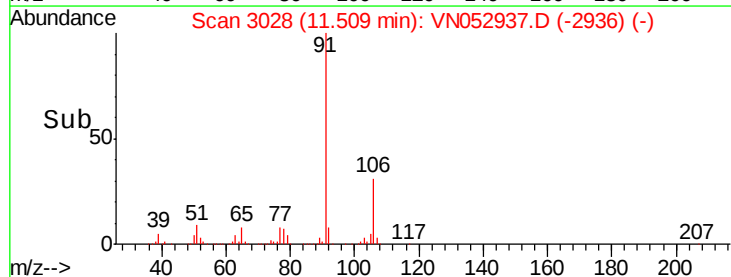
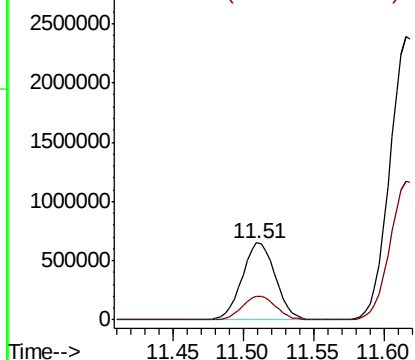


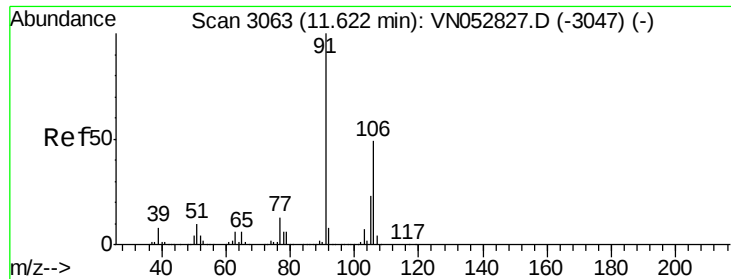
#67
Ethyl Benzene
Concen: 16.653 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion: 91 Resp: 1083636
Ion Ratio Lower Upper
91 100
106 30.8 24.9 37.3



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

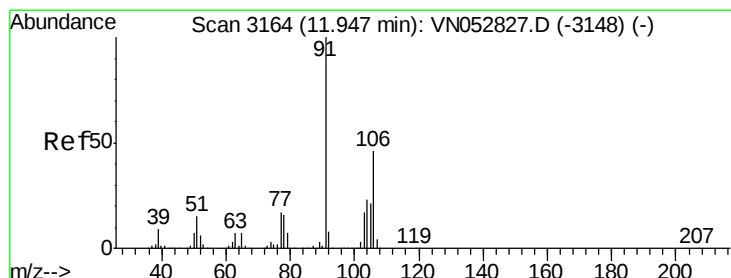
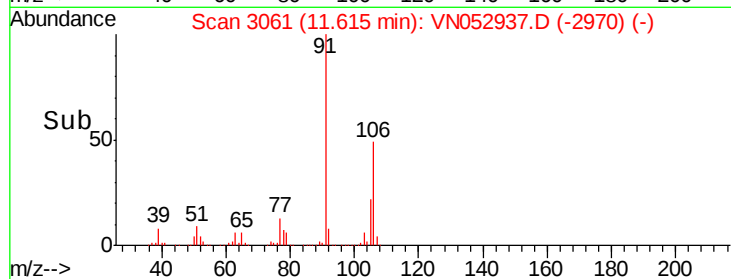
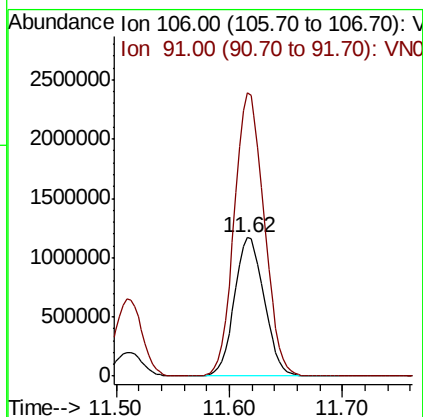
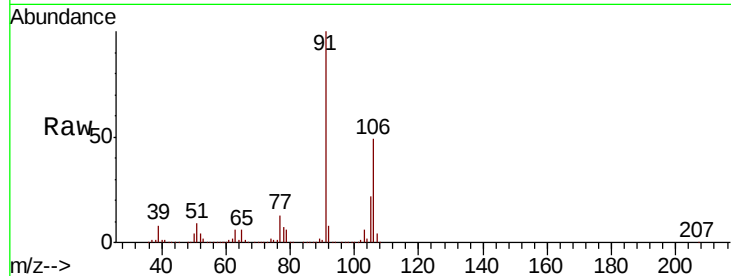




#68
m/p-Xylenes
Concen: 87.949 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

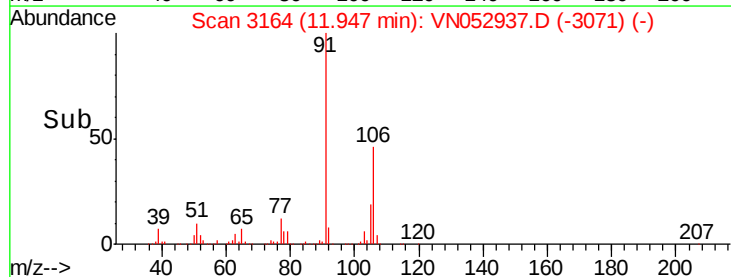
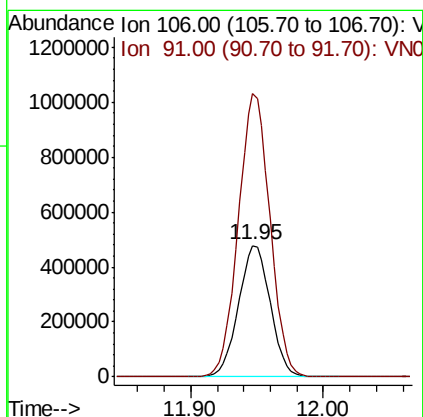
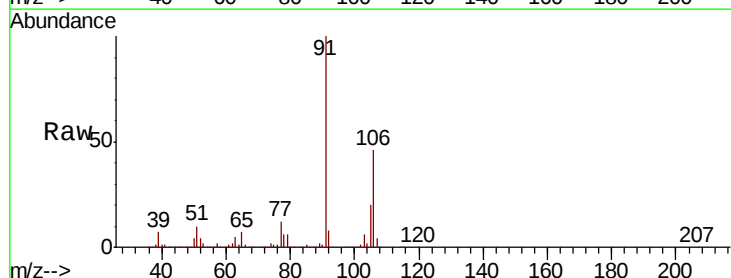
Instrument :
MSVOA_N
ClientSampled :

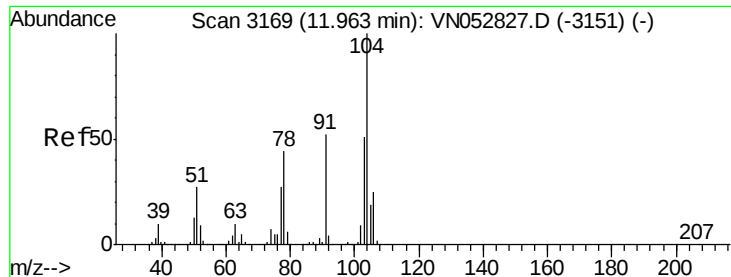
Tot Ion:106 Resp: 2148986
Ion Ratio Lower Upper
106 100
91 204.3 162.2 243.4



#69
o-Xylene
Concen: 33.255 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion:106 Resp: 793463
Ion Ratio Lower Upper
106 100
91 215.1 106.6 319.8

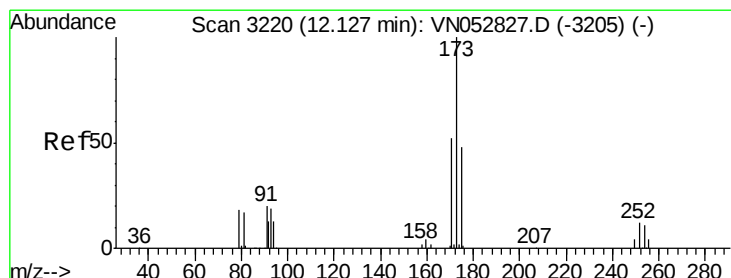
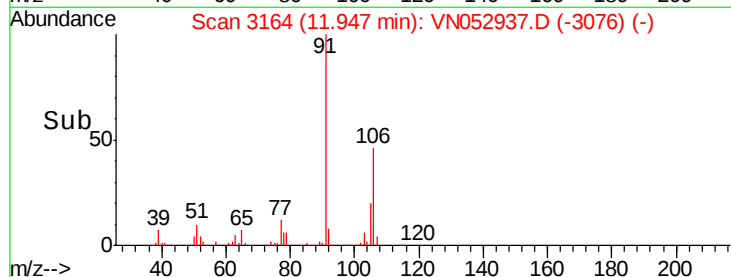
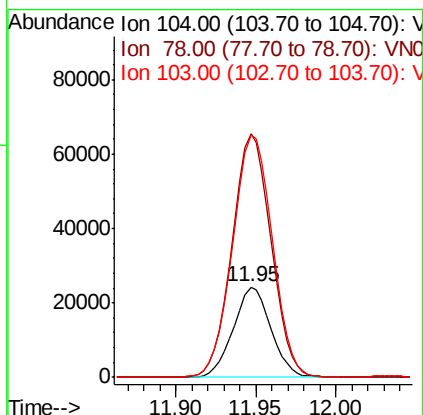
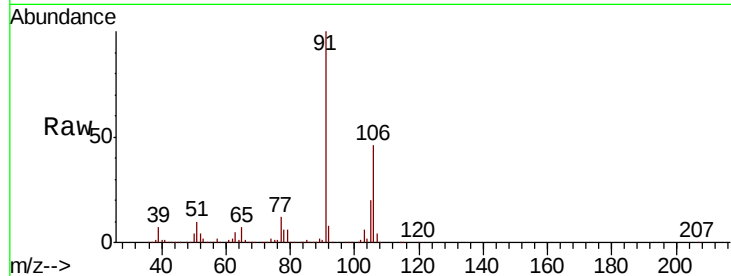




#70
Stvrene
Concen: 1.016 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

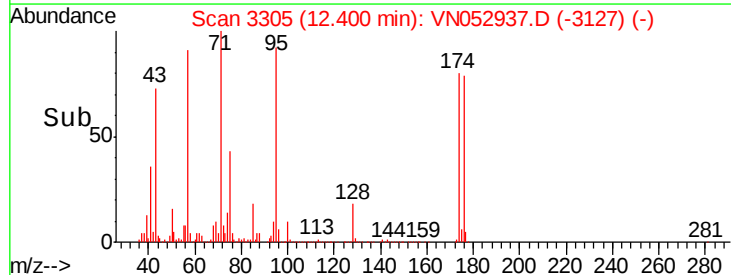
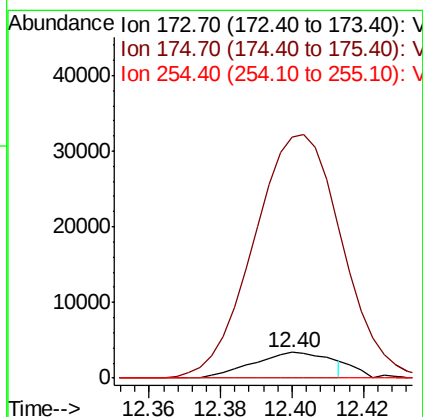
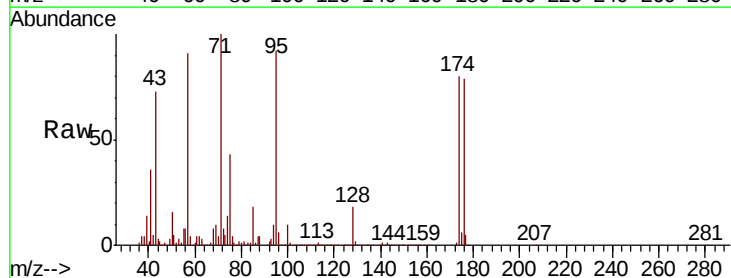
Instrument :
MSVOA_N
ClientSampleId :

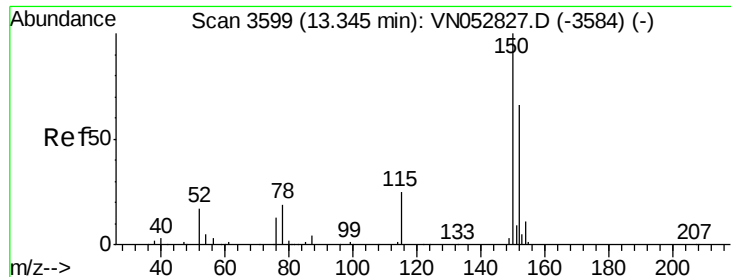
Tot Ion:104 Resp: 38966
Ion Ratio Lower Upper
104 100
78 278.4 38.9 58.3#
103 283.3 44.3 66.5#



#71
Bromoform
Concen: 0.571 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion:173 Resp: 5109
Ion Ratio Lower Upper
173 100
175 949.0 24.3 72.9#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

ClientSampleId :

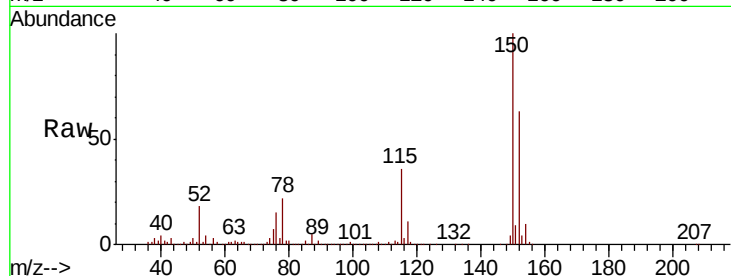
Tot Ion:152 Resp: 776827

Ion Ratio Lower Upper

152 100

115 57.0 28.3 85.0

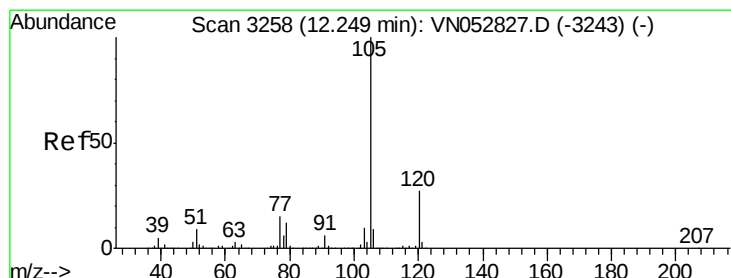
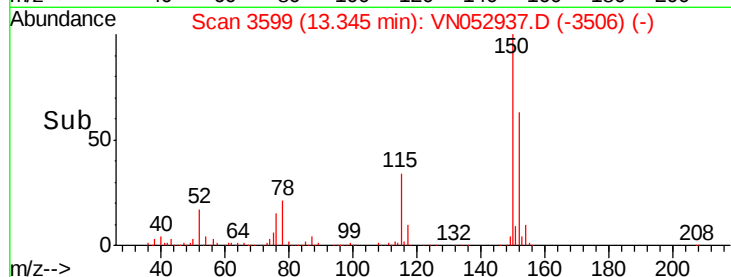
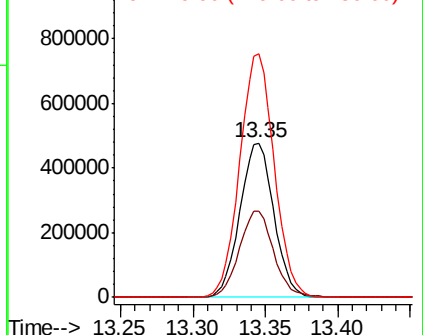
150 160.5 0.0 347.8



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: 0.795 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052937.D

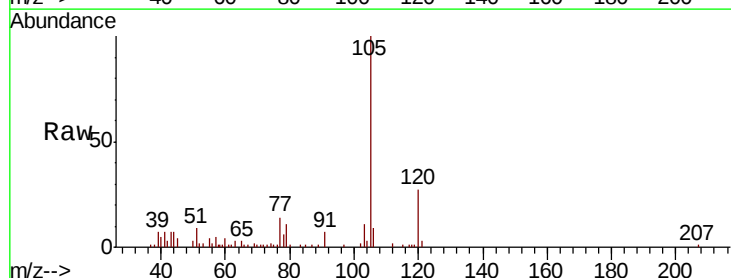
Acq: 17 Dec 2018 19:38

Tgt Ion:105 Resp: 46136

Ion Ratio Lower Upper

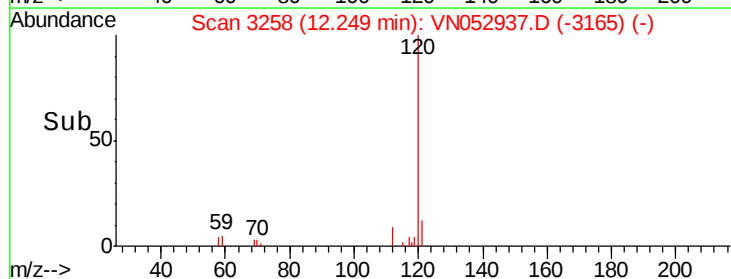
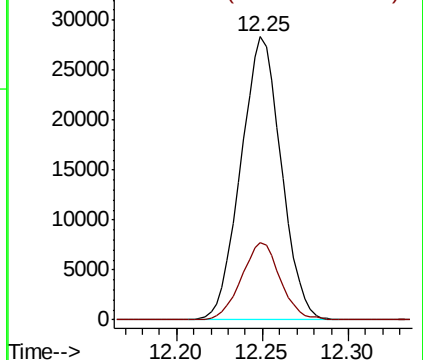
105 100

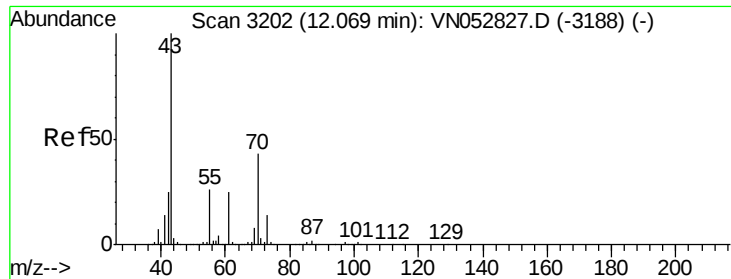
120 26.2 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 1.320 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 21024

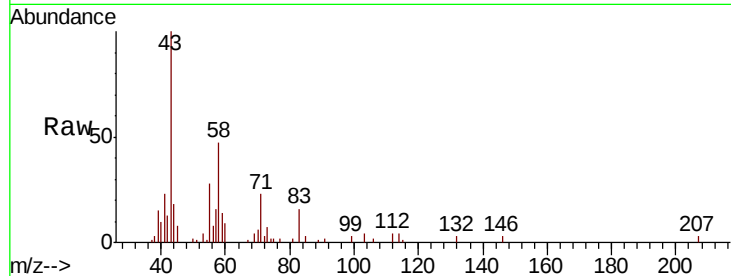
Ion Ratio Lower Upper

43 100

70 1.9 34.2 51.4#

55 0.0 20.3 30.5#

61 0.0 20.0 30.0#

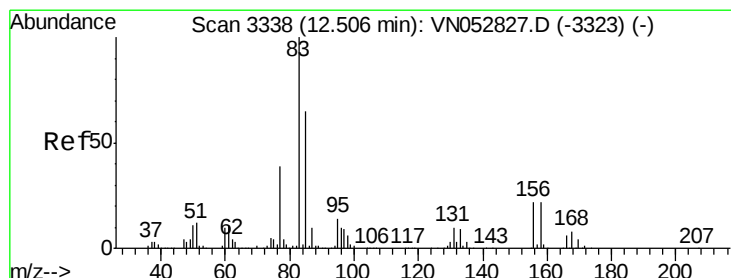
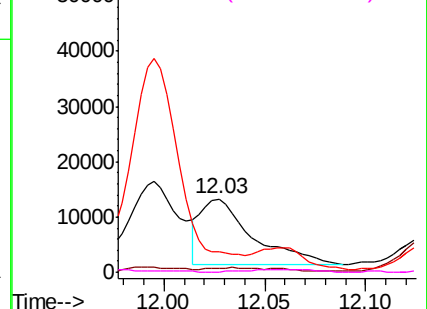
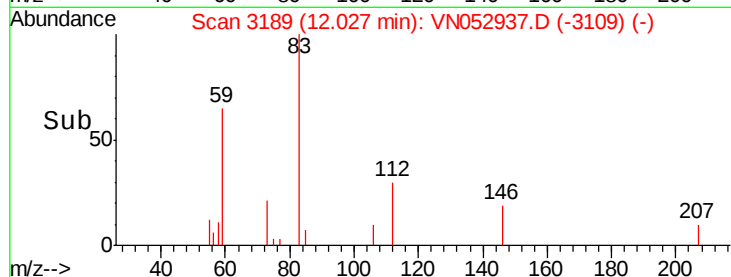


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 1.343 ug/l

RT: 12.54 min Scan# 3350

Delta R.T. 0.04 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

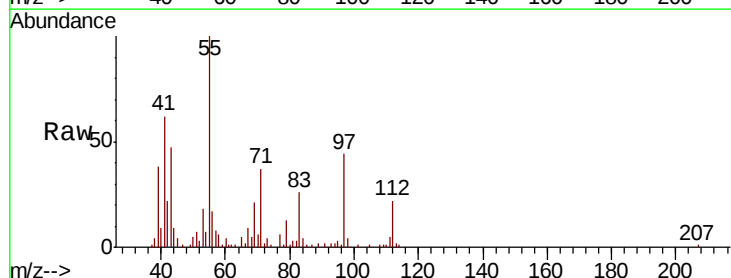
Tgt Ion: 83 Resp: 17463

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

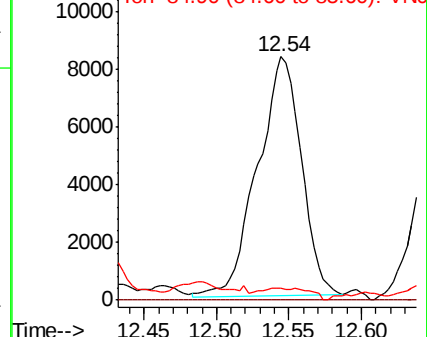
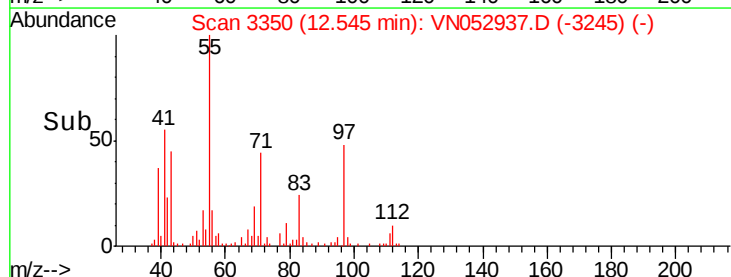
85 0.0 32.4 97.0#

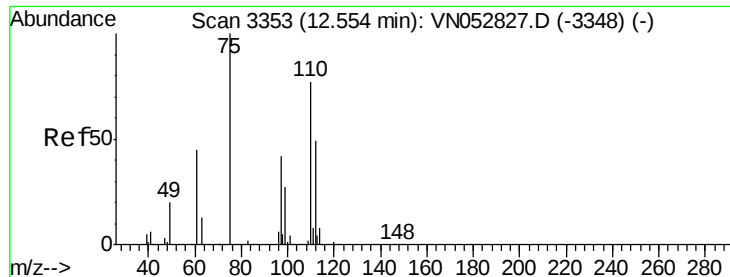


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 35.185 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

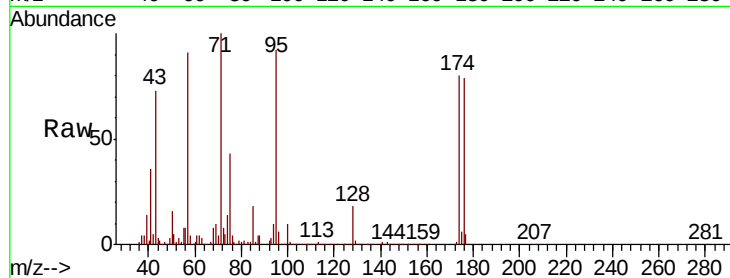
ClientSampleId :

Tot Ion: 75 Resp: 403260

Ion Ratio Lower Upper

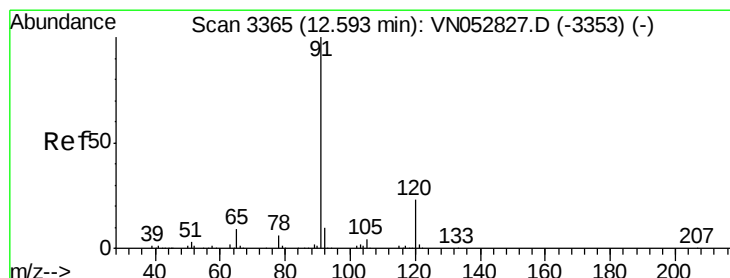
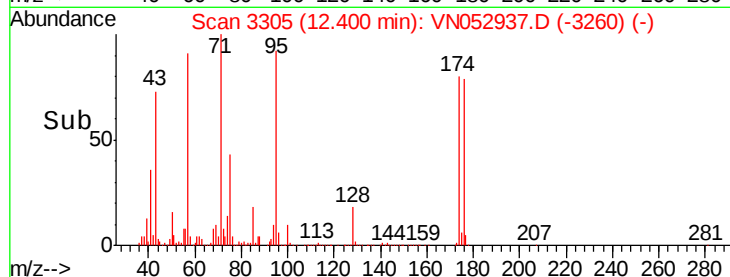
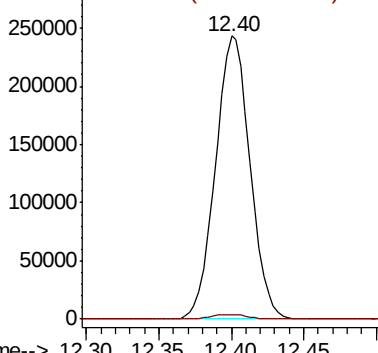
75 100

77 2.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.945 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052937.D

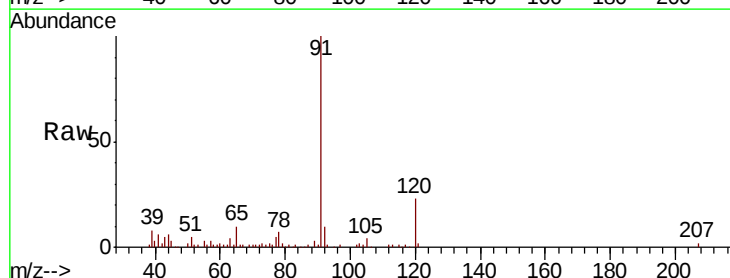
Acq: 17 Dec 2018 19:38

Tgt Ion: 91 Resp: 62481

Ion Ratio Lower Upper

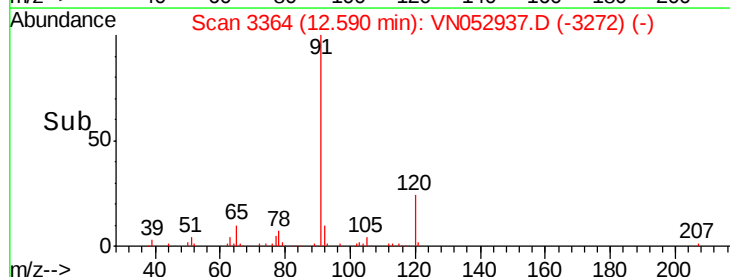
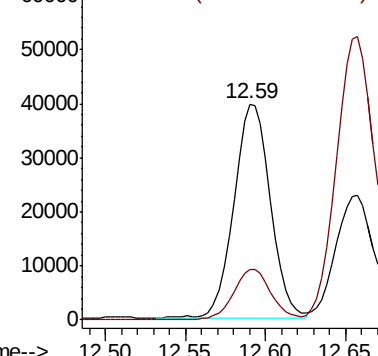
91 100

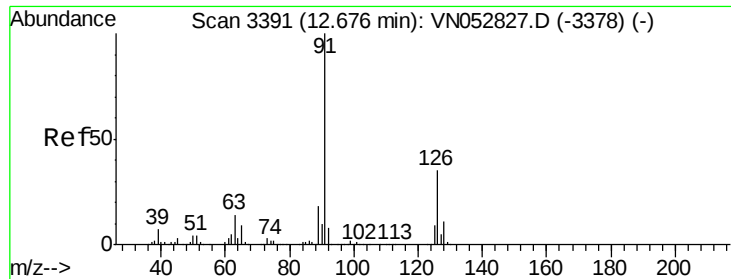
120 24.4 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.902 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

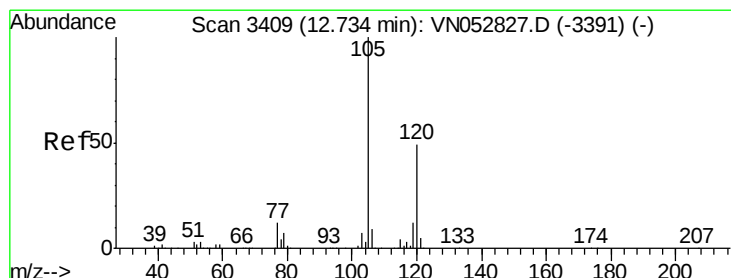
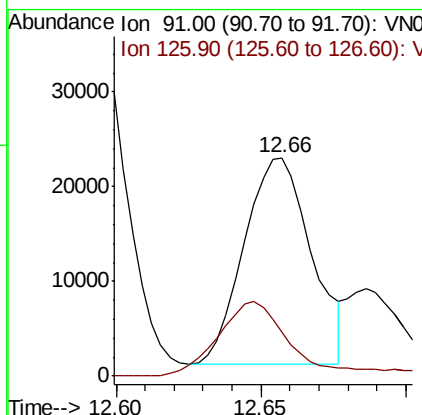
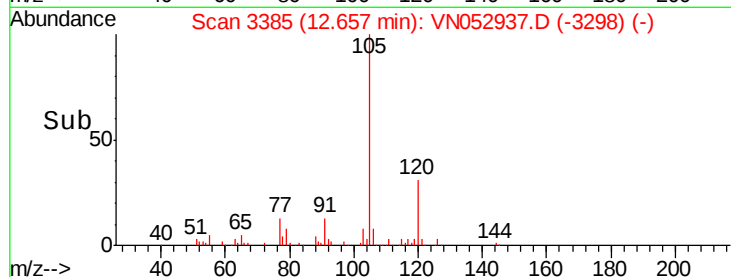
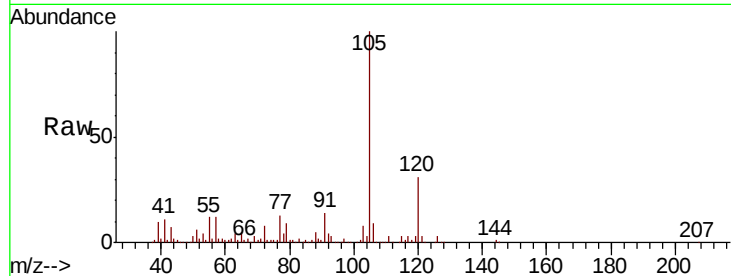
ClientSampleId :

Tot Ion: 91 Resp: 35263

Ion Ratio Lower Upper

91 100

126 39.9 17.4 52.3



#80

1,3,5-Trimethylbenzene

Concen: 3.714 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052937.D

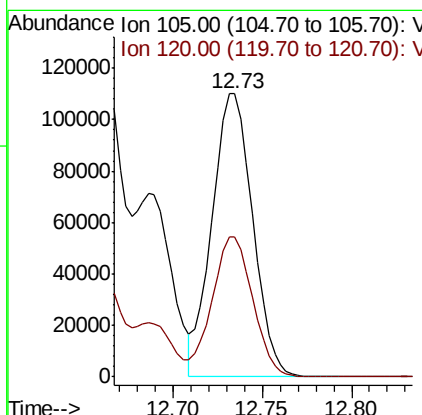
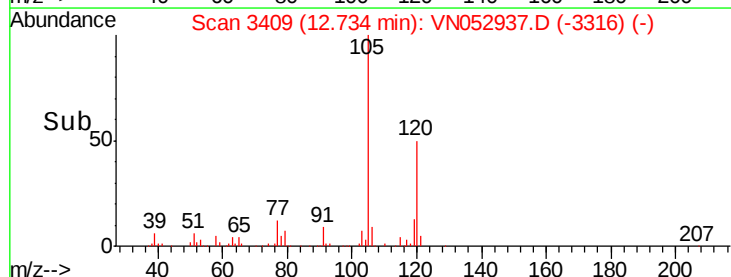
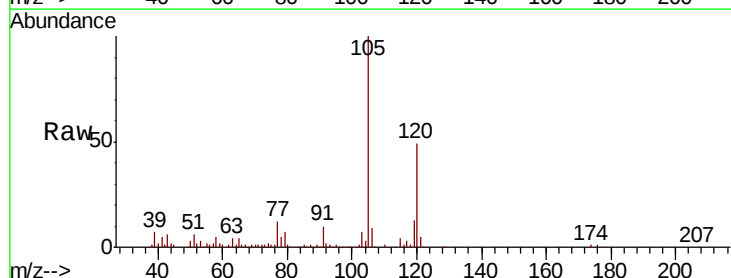
Acq: 17 Dec 2018 19:38

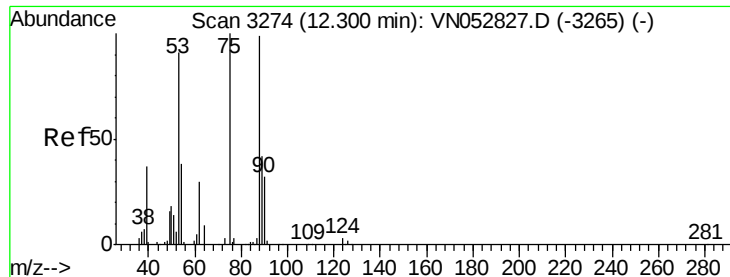
Tgt Ion: 105 Resp: 173882

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 113.031 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

ClientSampleId :

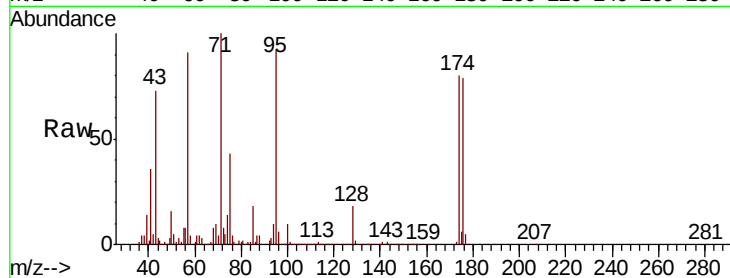
Tot Ion: 75 Resp: 403260

Ion Ratio Lower Upper

75 100

53 6.1 74.7 112.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

300000

250000

200000

150000

100000

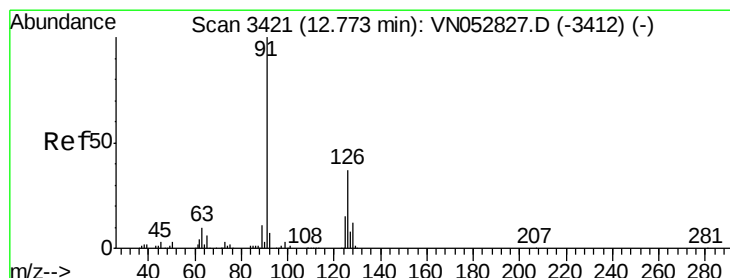
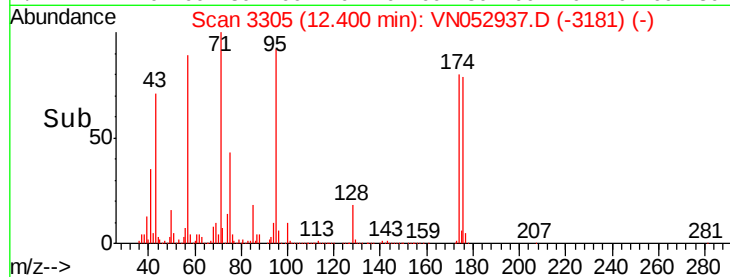
50000

0

12.40

12.45

Time-->



#82

4-Chlorotoluene

Concen: 0.882 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.12 min

Lab File: VN052937.D

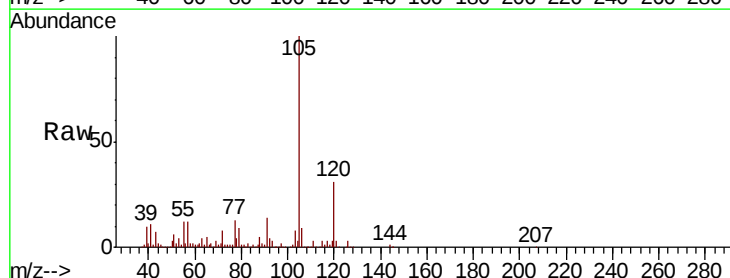
Acq: 17 Dec 2018 19:38

Tgt Ion: 91 Resp: 35263

Ion Ratio Lower Upper

91 100

126 39.9 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

30000

20000

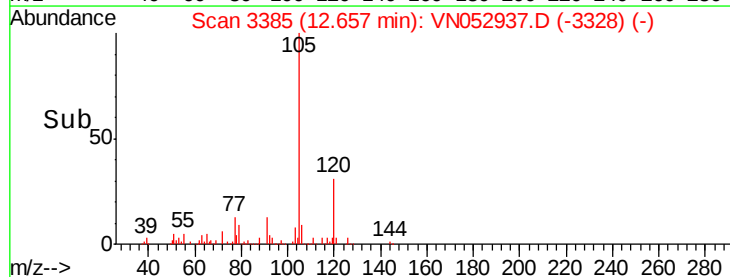
10000

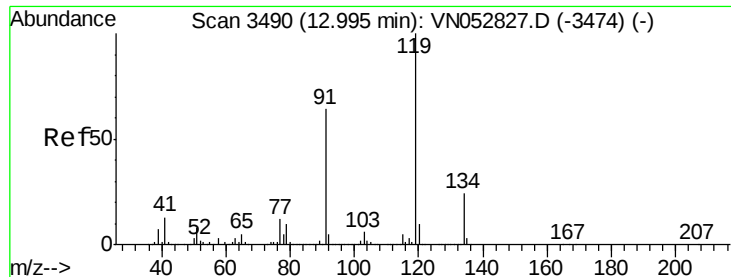
0

12.66

12.65

Time-->

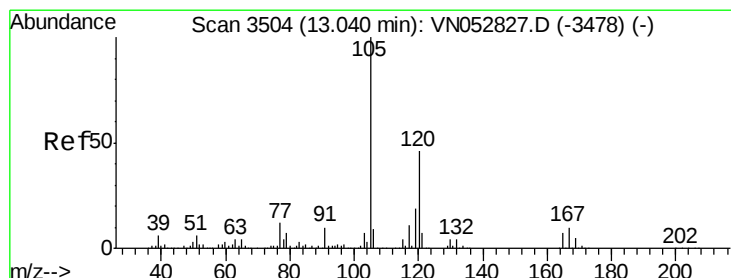
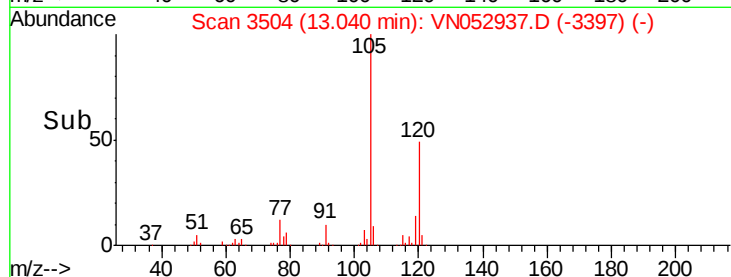
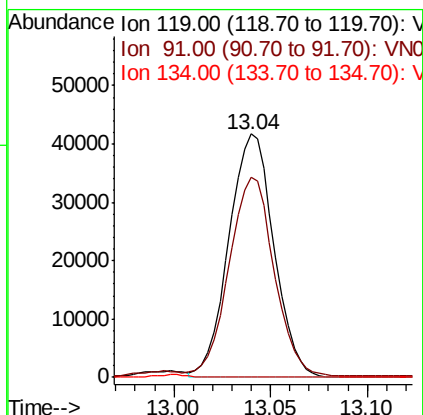
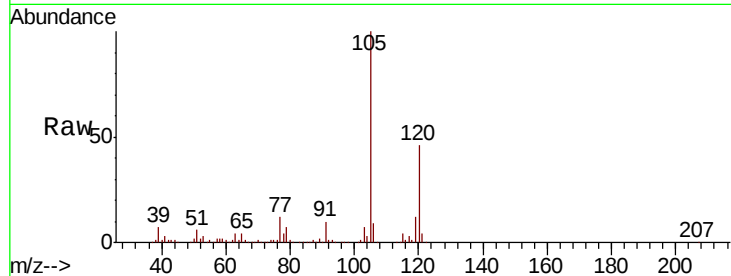




#83
tert-Butylbenzene
Concen: 1.632 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.05 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

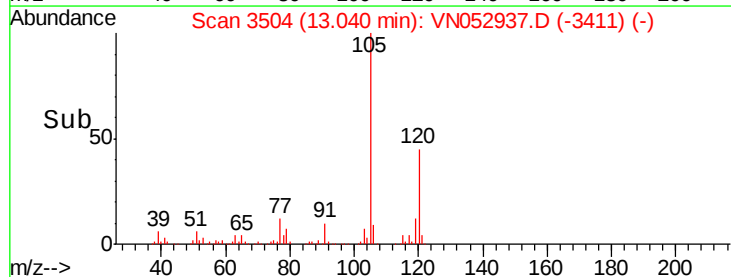
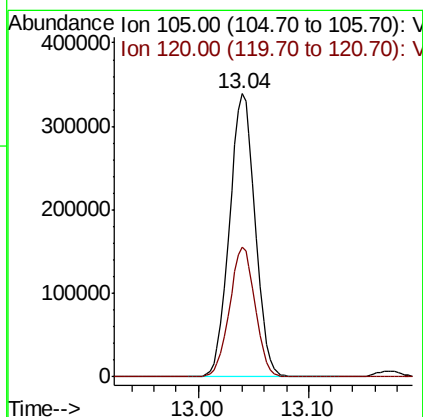
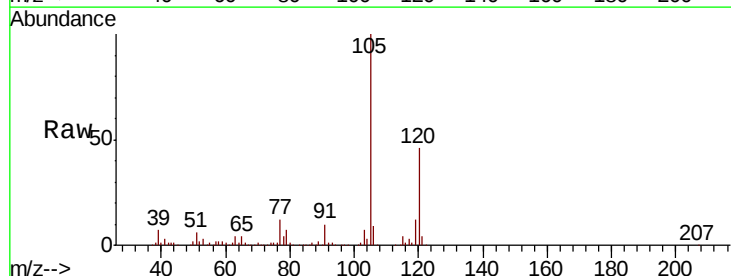
Instrument :
MSVOA_N
ClientSampled :

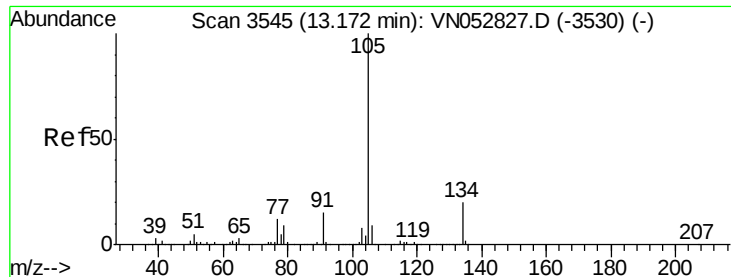
Tot Ion:119 Resp: 67424
Ion Ratio Lower Upper
119 100
91 81.5 31.9 95.5
134 0.0 12.8 38.4#



#84
1,2,4-Trimethylbenzene
Concen: 11.538 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052937.D
Acq: 17 Dec 2018 19:38

Tgt Ion:105 Resp: 546908
Ion Ratio Lower Upper
105 100
120 45.4 22.9 68.8





#85

sec-Butylbenzene

Concen: 9.778 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

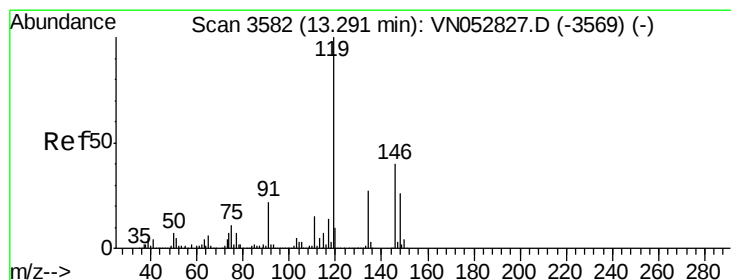
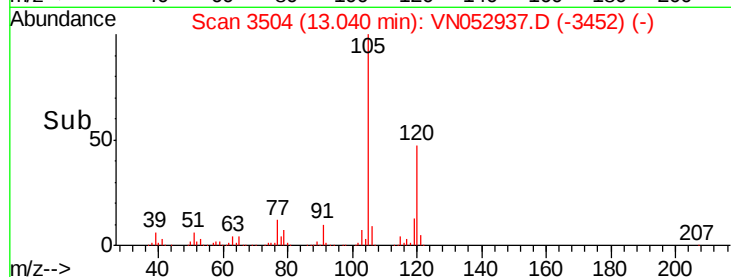
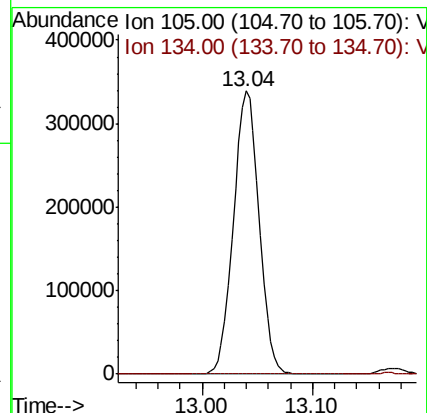
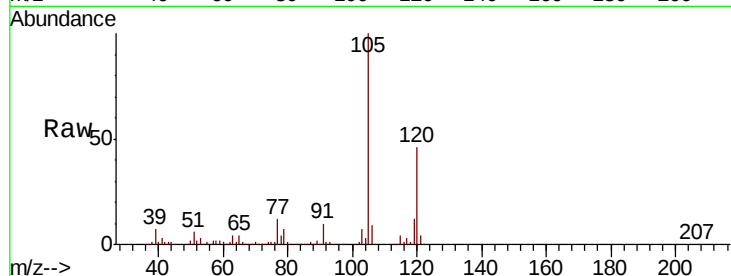
ClientSampled :

Tot Ion:105 Resp: 546908

Ion Ratio Lower Upper

105 100

134 0.0 10.1 30.3#



#86

p-Isopropyltoluene

Concen: 0.245 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

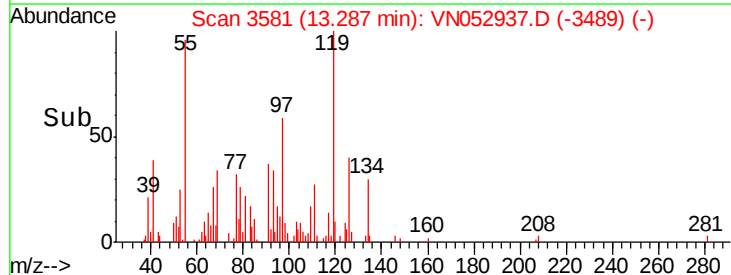
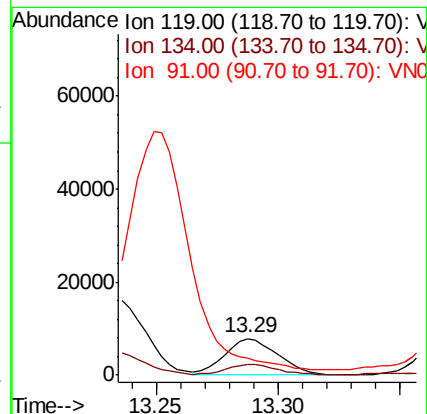
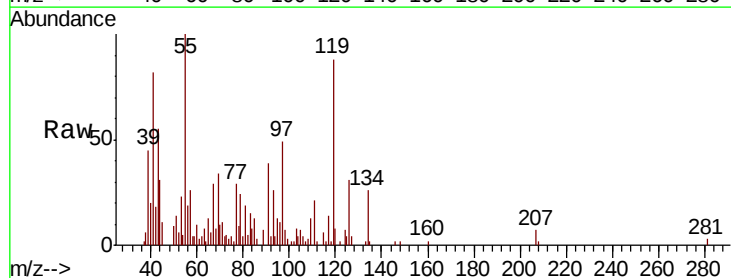
Tgt Ion:119 Resp: 11893

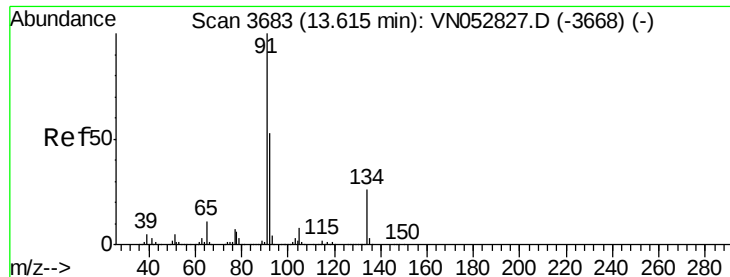
Ion Ratio Lower Upper

119 100

134 29.3 13.4 40.2

91 0.0 11.1 33.3#





#89

n-Butylbenzene

Concen: 1.194 ug/l

RT: 13.58 min Scan# 3673

Delta R.T. -0.03 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

ClientSampleId :

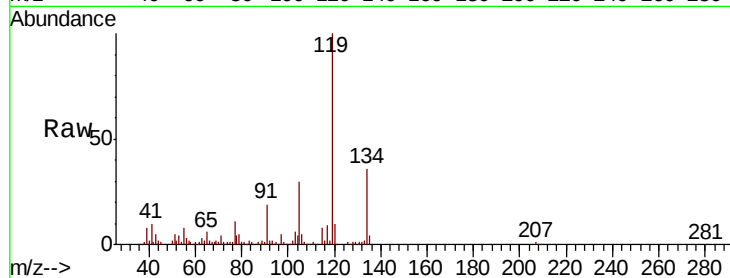
Tot Ion: 91 Resp: 48705

Ion Ratio Lower Upper

91 100

92 0.0 26.3 78.9#

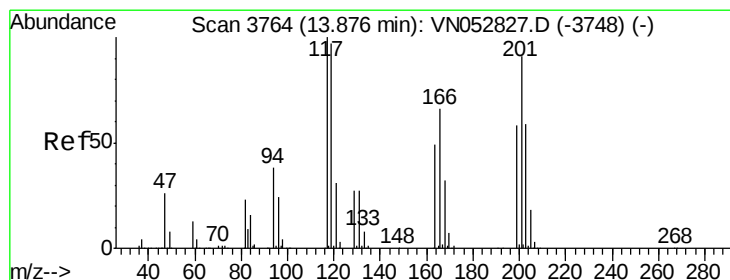
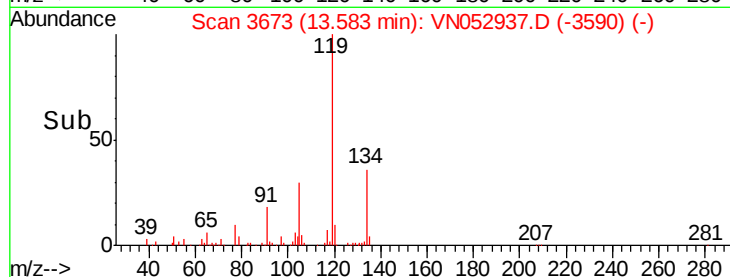
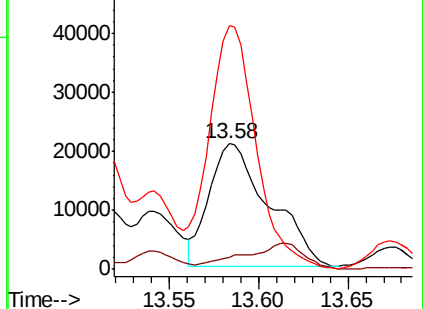
134 154.7 13.3 39.8#



Abundance Ion 91.00 (90.70 to 91.70): VN052827.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN052827.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN052827.D (-3668) (-)



#90

Hexachloroethane

Concen: 4.373 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.01 min

Lab File: VN052937.D

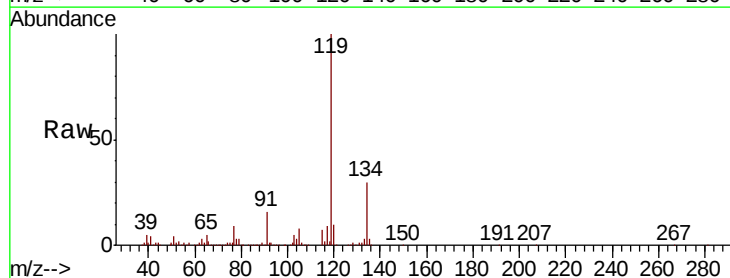
Acq: 17 Dec 2018 19:38

Tgt Ion: 117 Resp: 35483

Ion Ratio Lower Upper

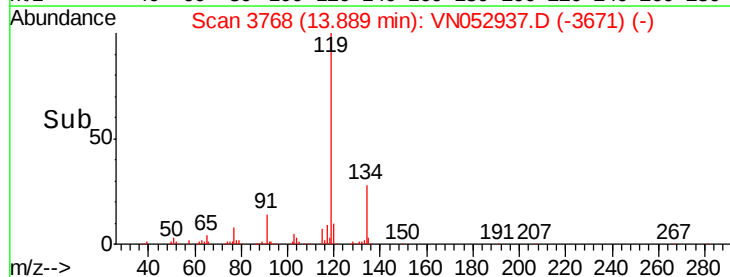
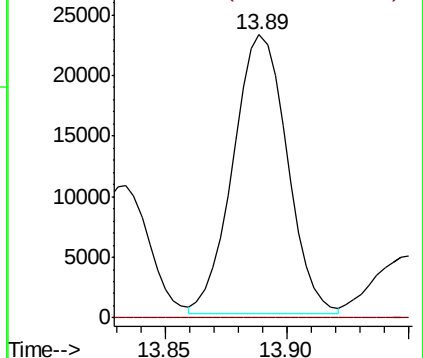
117 100

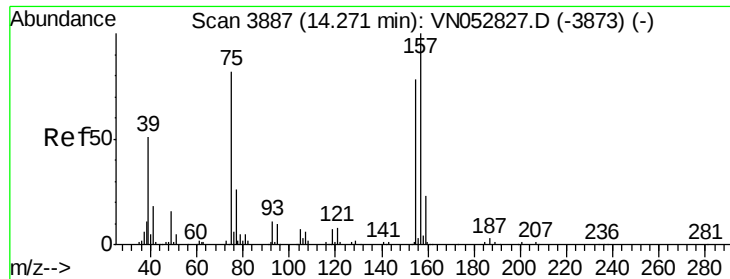
201 0.0 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): VN052827.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN052827.D (-3748) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.820 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.03 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Instrument :

MSVOA_N

ClientSampleId :

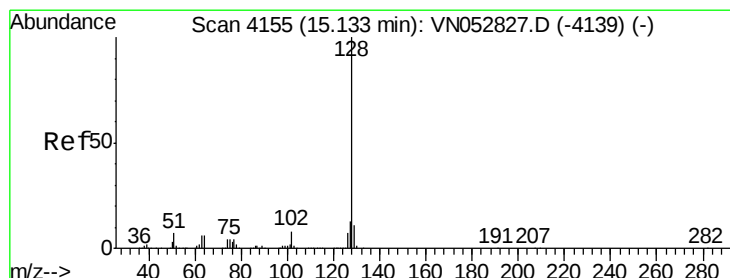
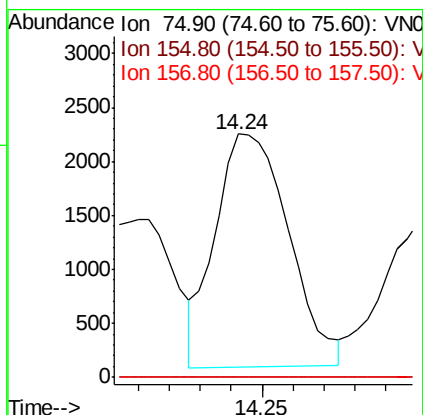
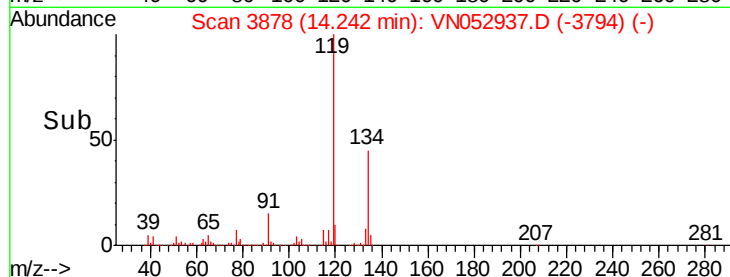
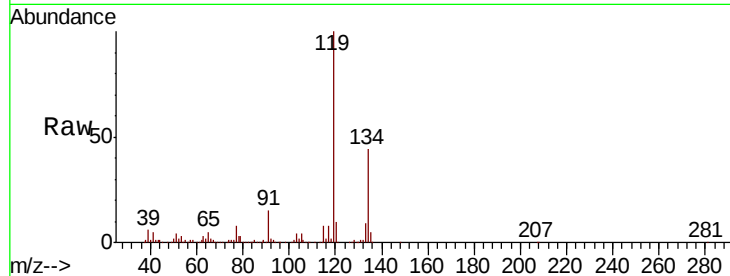
Tot Ion: 75 Resp: 3567

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

157 0.0 61.2 183.5#



#95

Naphthalene

Concen: 7.492 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052937.D

Acq: 17 Dec 2018 19:38

Tgt Ion: 128 Resp: 212699

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

129 10.9 8.6 13.0

