

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049231.D
 Acq On : 14 Jun 2018 16:42
 Operator : MD\SY
 Sample : J3435-03DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:05:05 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	640598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1178742	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1231158	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	479592	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	413910	40.02	ug/l	0.00
Spiked Amount			Recovery	=	80.04%	
35) Dibromofluoromethane	7.59	113	371883	38.12	ug/l	0.00
Spiked Amount			Recovery	=	76.24%	
50) Toluene-d8	10.09	98	1473667	38.83	ug/l	0.00
Spiked Amount			Recovery	=	77.66%	
62) 4-Bromofluorobenzene	12.40	95	566515	44.97	ug/l	0.00
Spiked Amount			Recovery	=	89.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2026	0.21	ug/l	89
5) Bromomethane	2.58	94	2508	0.24	ug/l	82
11) Tert butyl alcohol	4.80	59	708	1.26	ug/l #	70
13) Acrolein	3.56	56	2870	3.74	ug/l #	1
14) Allyl chloride	4.41	41	16278	1.08	ug/l #	38
15) Acrylonitrile	5.04	53	7320	2.41	ug/l #	25
16) Acetone	3.80	43	63553	25.71	ug/l #	61
17) Carbon Disulfide	4.05	76	7736	0.28	ug/l	99
18) Methyl Acetate	4.33	43	13096	Below Cal	#	76
25) 2-Butanone	6.86	43	14324	4.05	ug/l	97
30) Chloroform	7.33	83	7659	0.45	ug/l #	18
31) Cyclohexane	7.65	56	299914	19.27	ug/l	95
36) 1,1-Dichloropropene	7.66	75	51535	3.50	ug/l #	56
37) Ethyl Acetate	6.86	43	14324	1.54	ug/l #	70
38) Carbon Tetrachloride	7.67	117	60128	4.05	ug/l #	17
39) Methylcyclohexane	9.08	83	115933	7.62	ug/l	94
41) Methacrylonitrile	7.18	41	1365	0.26	ug/l #	100
43) Isopropyl Acetate	8.15	43	11189	0.65	ug/l #	64
48) Methyl methacrylate	9.15	41	3084	0.37	ug/l #	14
49) 1,4-Dioxane	9.21	88	113	1.15	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	2057	0.23	ug/l #	39
52) Toluene	10.16	92	73958	2.85	ug/l	99
55) 1,1,2-Trichloroethane	10.54	97	10977	1.15	ug/l #	17
58) 2-Chloroethyl Vinyl ether	9.70	63	30	13.19	ug/l #	51
67) Ethyl Benzene	11.51	91	2213537	40.40	ug/l	99
68) m/p-Xylenes	11.63	106	554317	27.67	ug/l	99
69) o-Xylene	11.95	106	187486	9.72	ug/l	96
70) Styrene	11.95	104	13658	0.45	ug/l #	1
73) Isopropylbenzene	12.25	105	110757	2.40	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.52	83	58	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	292024	36.13	ug/l #	100
77) Bromobenzene	12.54	156	1275	Below Cal	#	19
78) n-propylbenzene	12.59	91	250690	4.90	ug/l	99
79) 2-Chlorotoluene	12.66	91	27489	0.85	ug/l #	43

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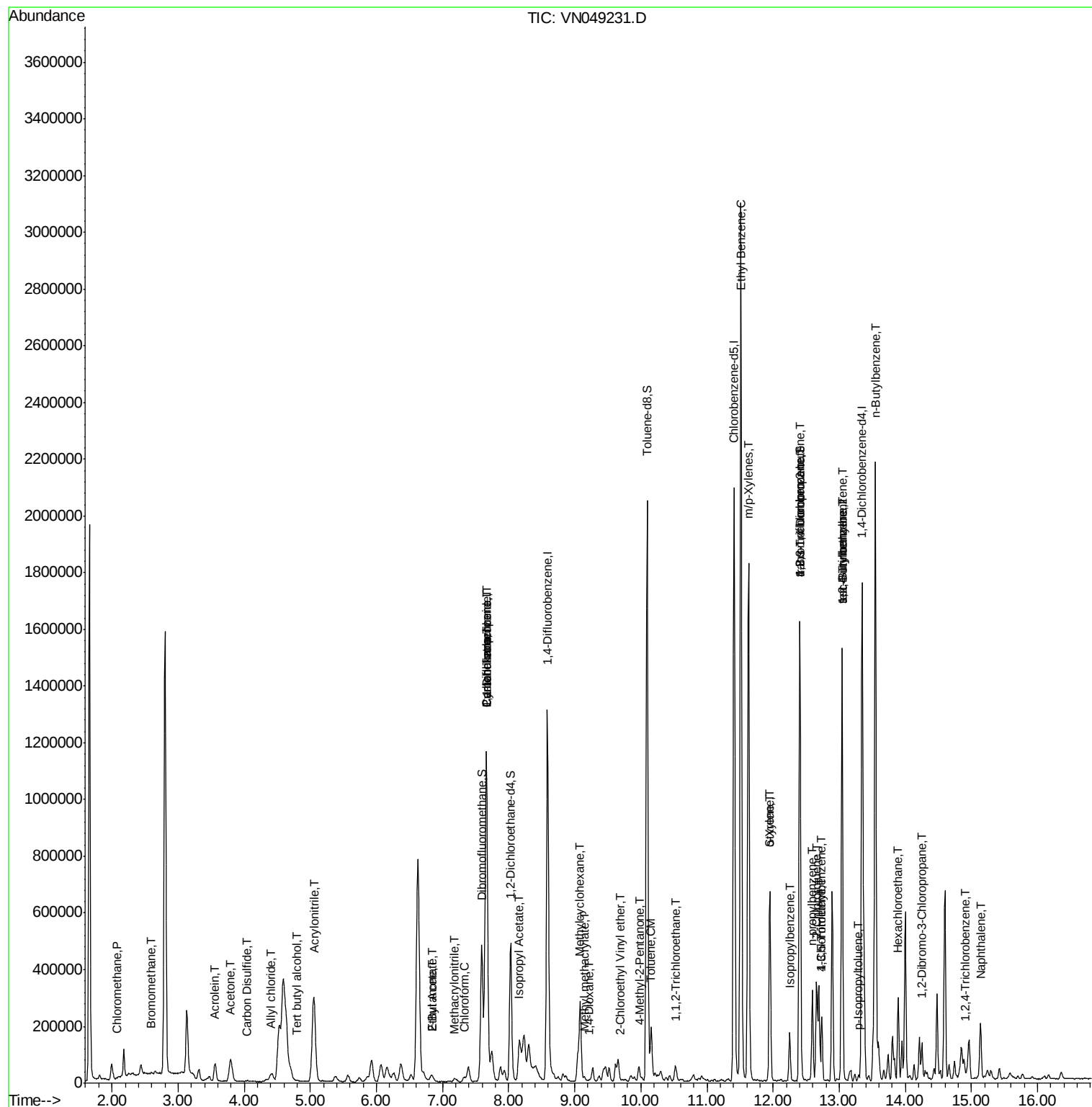
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	118877	3.37	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	292024	101.73	ug/l #	9
82) 4-Chlorotoluene	12.73	91	11662	0.38	ug/l #	42
83) tert-Butylbenzene	13.04	119	105788	3.48	ug/l #	69
84) 1,2,4-Trimethylbenzene	13.04	105	854369	24.34	ug/l	100
85) sec-Butylbenzene	13.04	105	854369	21.06	ug/l #	57
86) p-Isopropyltoluene	13.29	119	8177	0.25	ug/l #	76
89) n-Butylbenzene	13.55	91	194879	8.12	ug/l #	46
90) Hexachloroethane	13.89	117	16889	0.84	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	825	0.51	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	484	4.44	ug/l #	77
95) Naphthalene	15.14	128	167907	14.40	ug/l	98

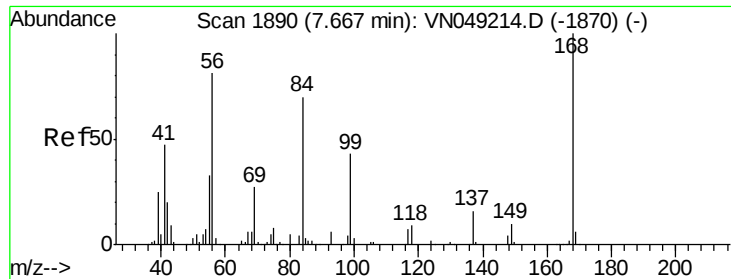
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

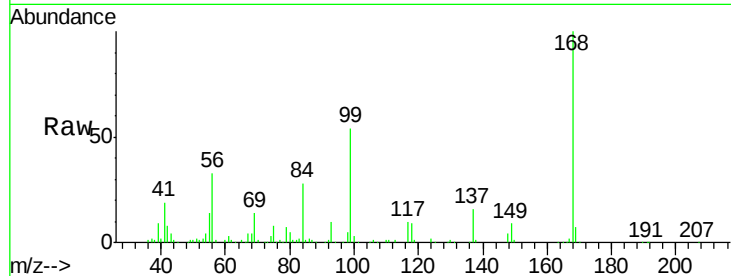
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 640598

Ion Ratio Lower Upper

168 100

99 54.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

250000

200000

150000

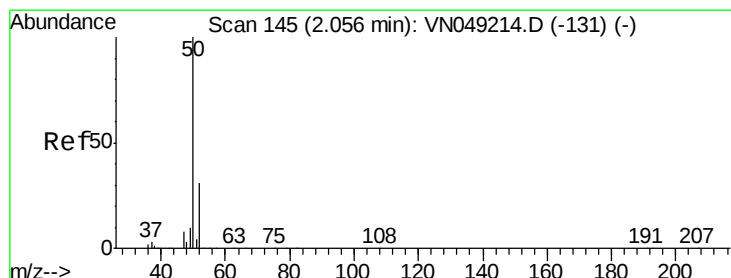
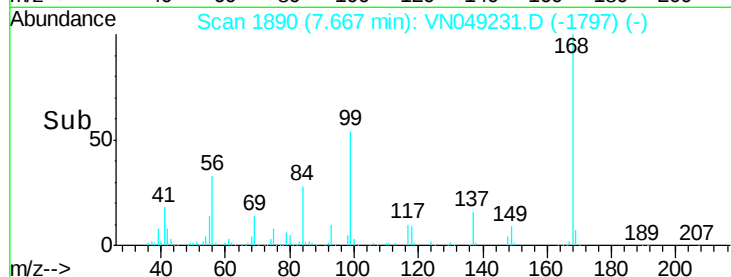
100000

50000

0

Time-->

7.60 7.70



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049231.D

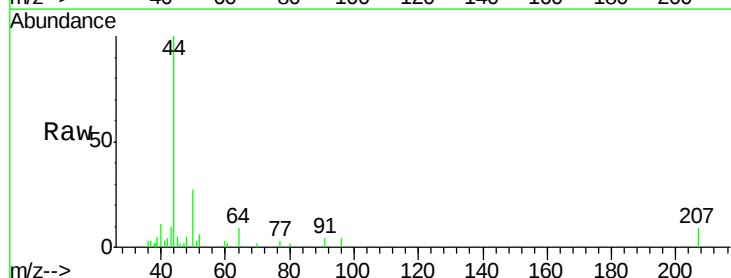
Acq: 14 Jun 2018 16:42

Tgt Ion: 50 Resp: 2026

Ion Ratio Lower Upper

50 100

52 25.3 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

2000

1500

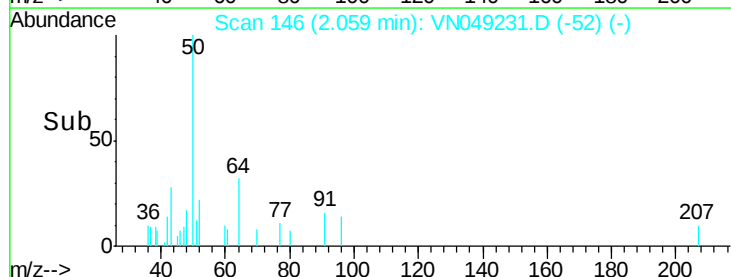
1000

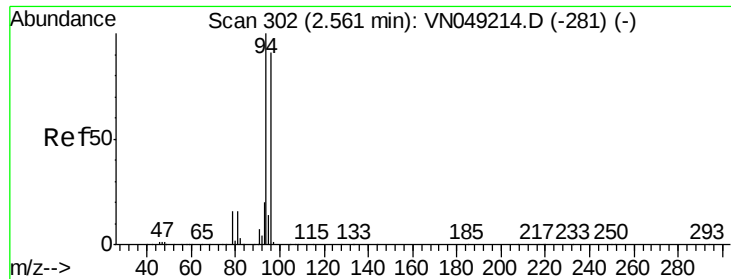
500

0

Time-->

2.02 2.04 2.06 2.08 2.10





#5

Bromomethane

Concen: 0.24 ug/l

RT: 2.58 min Scan# 307

Delta R.T. 0.02 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

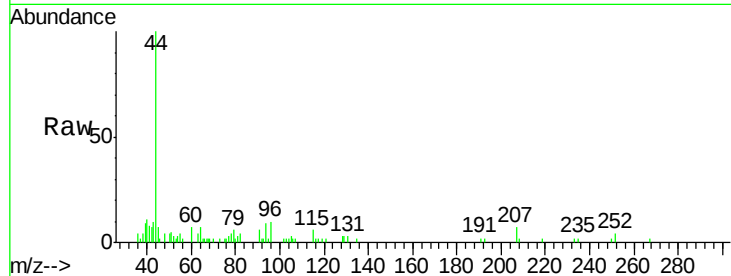
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 94 Resp: 2508

Ion Ratio Lower Upper

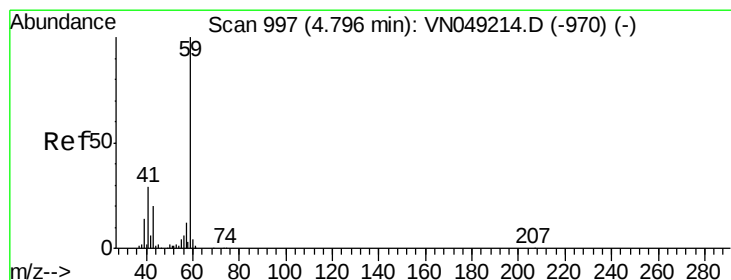
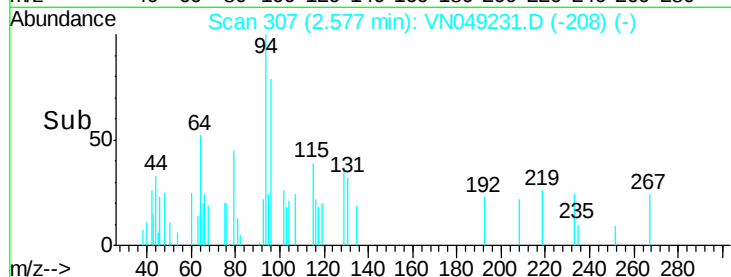
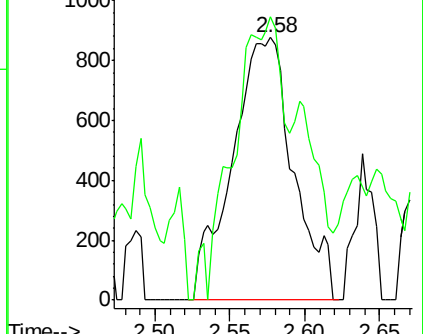
94 100

96 107.8 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 1.26 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN049231.D

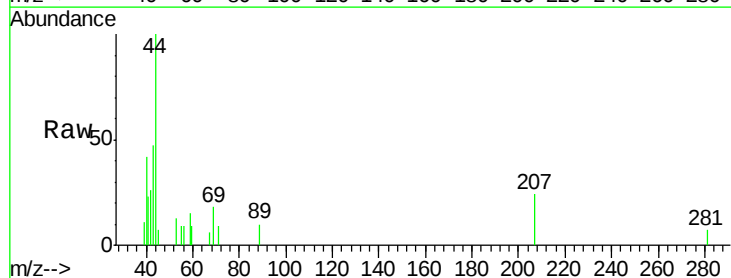
Acq: 14 Jun 2018 16:42

Tgt Ion: 59 Resp: 708

Ion Ratio Lower Upper

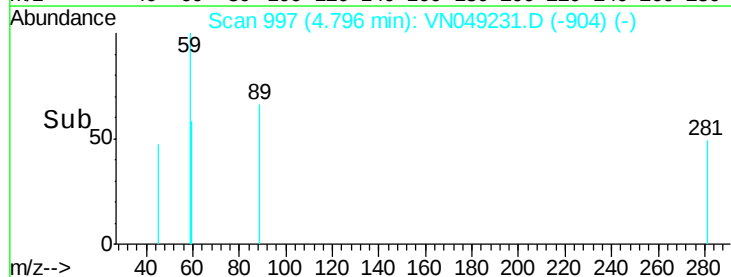
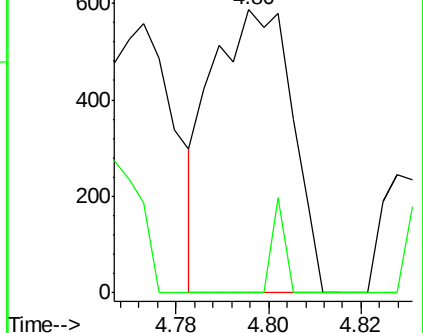
59 100

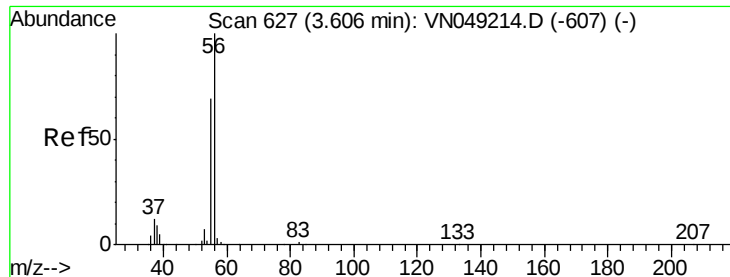
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 3.74 ug/l

RT: 3.56 min Scan# 613

Delta R.T. -0.04 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

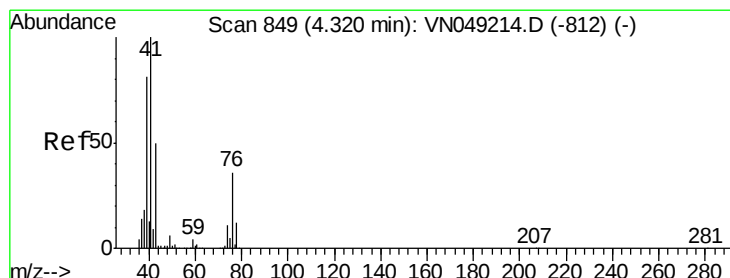
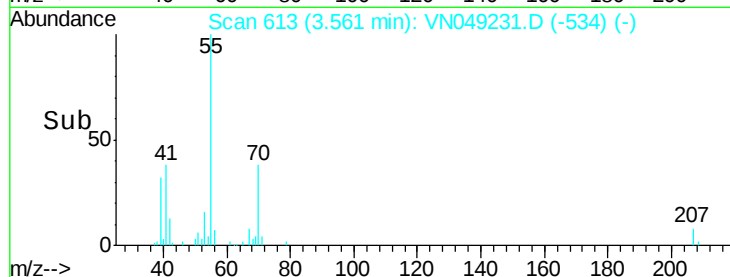
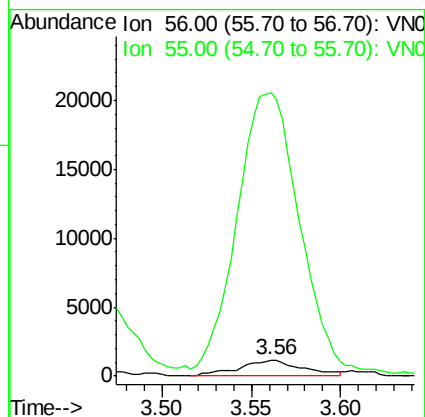
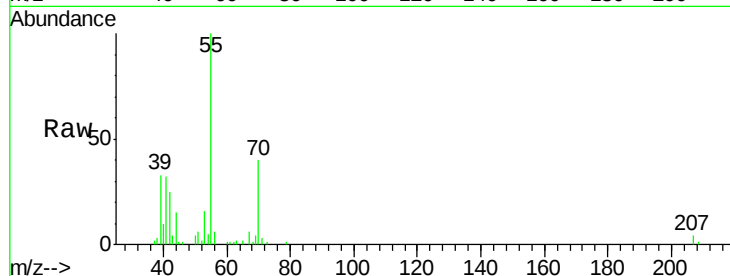
ClientSampled :

Tot Ion: 56 Resp: 2870

Ion Ratio Lower Upper

56 100

55 1726.2 57.1 85.7#



#14

Allyl chloride

Concen: 1.08 ug/l

RT: 4.41 min Scan# 877

Delta R.T. 0.09 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

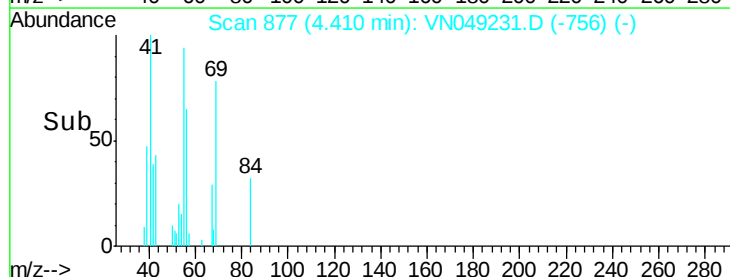
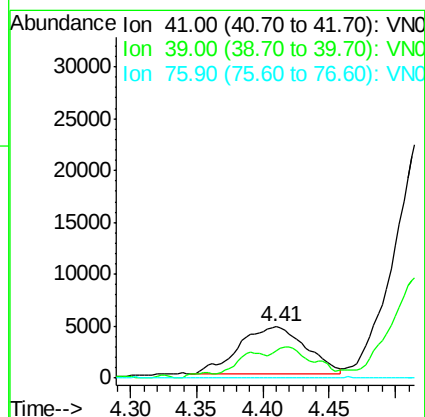
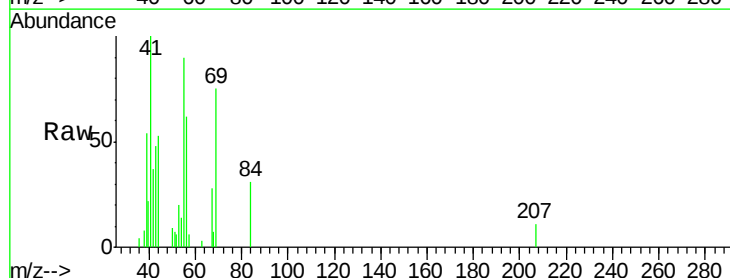
Tgt Ion: 41 Resp: 16278

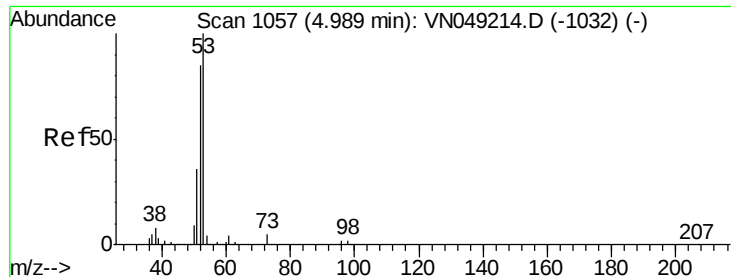
Ion Ratio Lower Upper

41 100

39 22.7 62.5 93.7#

76 0.0 27.1 40.7#





#15

Acrylonitrile

Concen: 2.41 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.05 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

ClientSampled :

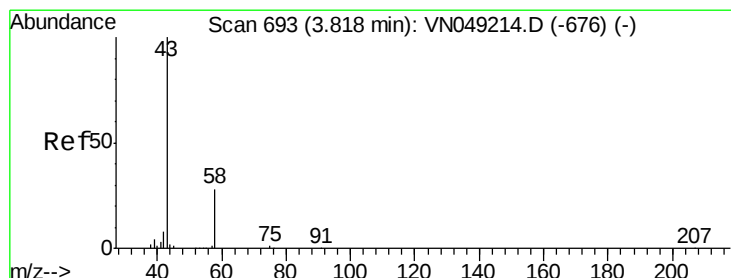
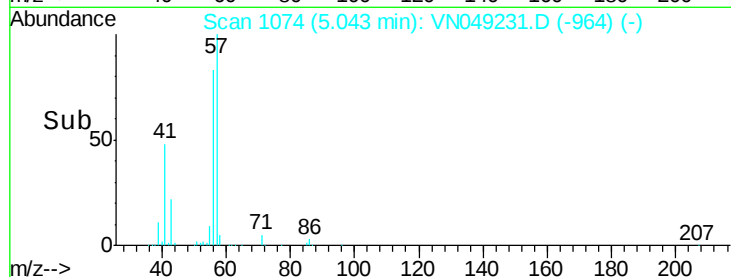
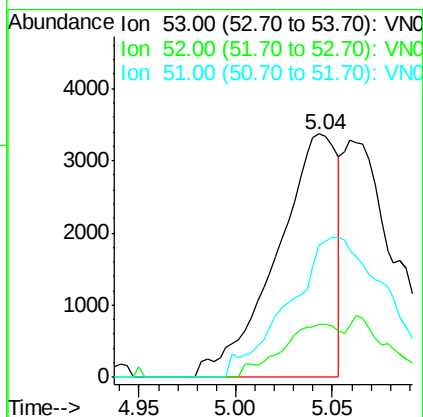
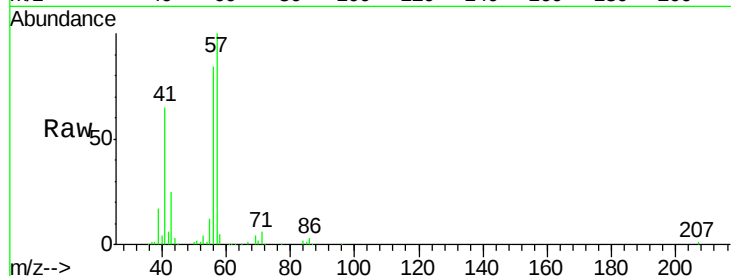
Tot Ion: 53 Resp: 7320

Ion Ratio Lower Upper

53 100

52 21.7 66.6 100.0#

51 91.3 29.8 44.8#



#16

Acetone

Concen: 25.71 ug/l

RT: 3.80 min Scan# 687

Delta R.T. -0.02 min

Lab File: VN049231.D

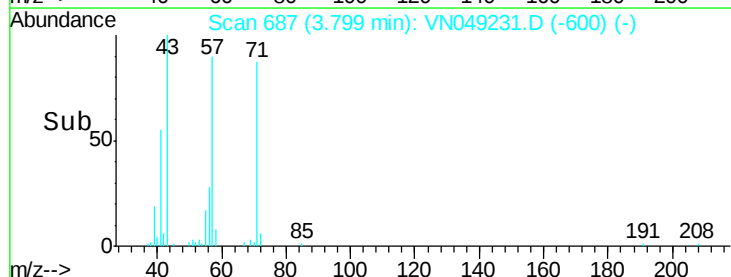
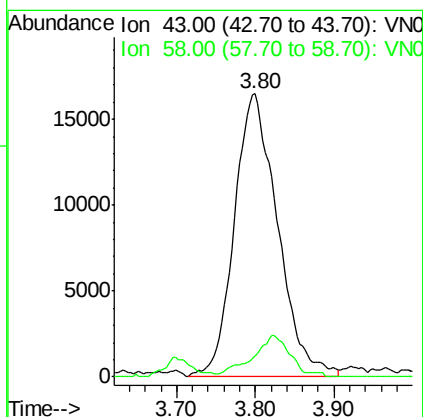
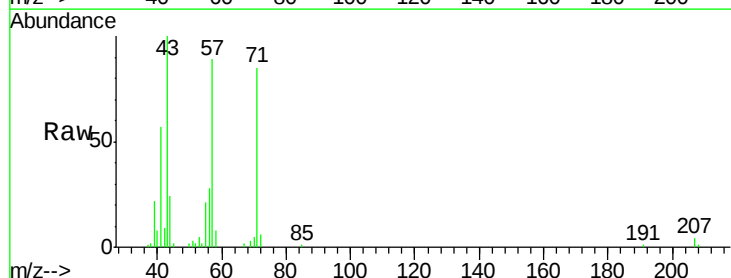
Acq: 14 Jun 2018 16:42

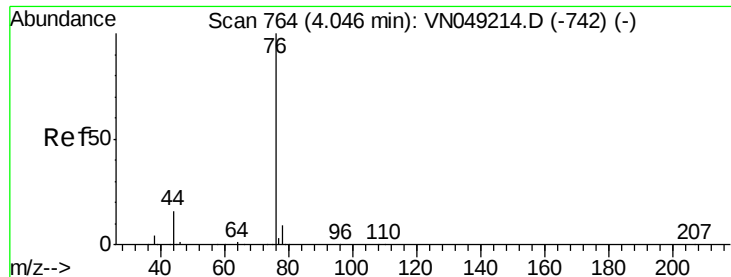
Tgt Ion: 43 Resp: 63553

Ion Ratio Lower Upper

43 100

58 7.5 22.4 33.6#

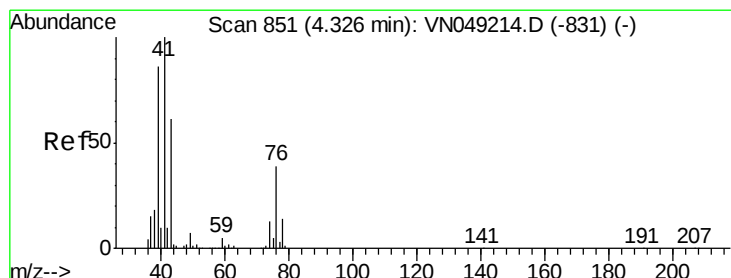
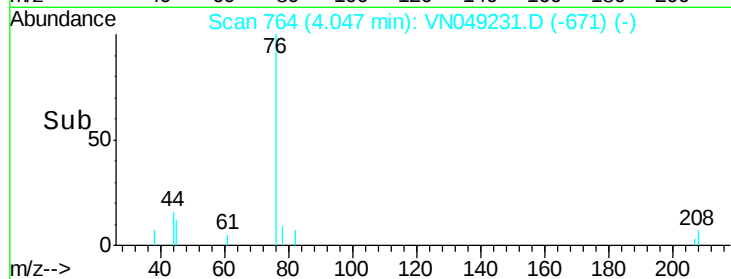
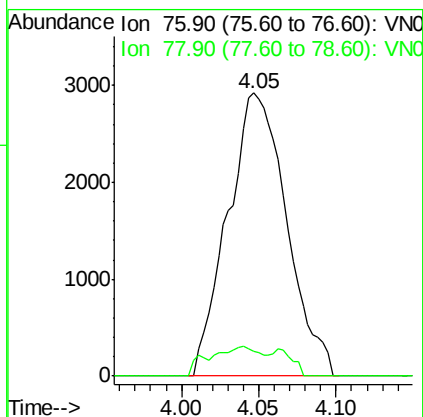
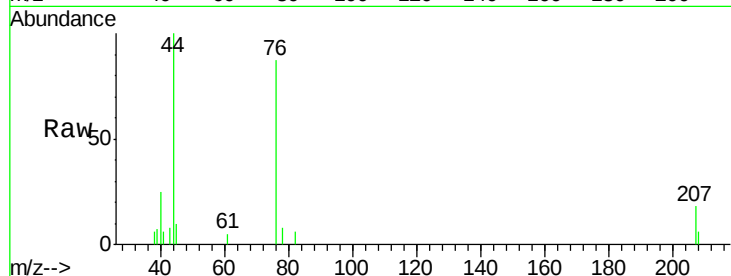




#17
Carbon Disulfide
Concen: 0.28 ug/l
RT: 4.05 min Scan# 764
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

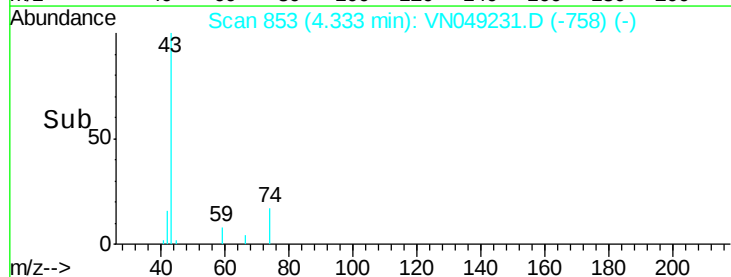
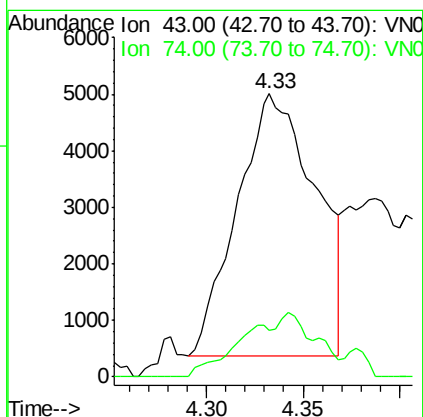
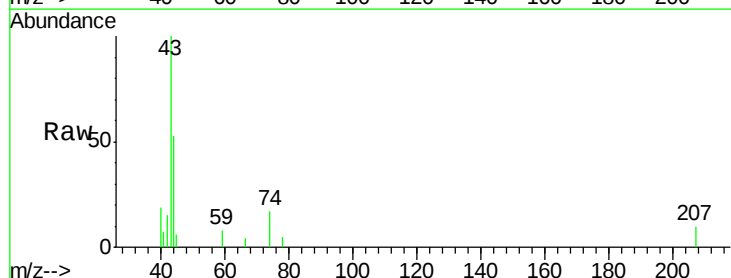
Instrument :
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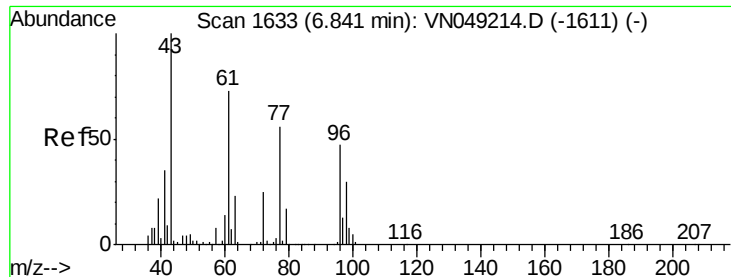
Tot Ion: 76 Resp: 7736
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion: 43 Resp: 13096
Ion Ratio Lower Upper
43 100
74 10.2 17.4 26.0#





#25

2-Butanone

Concen: 4.05 ug/l

RT: 6.86 min Scan# 1638

Delta R.T. 0.02 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

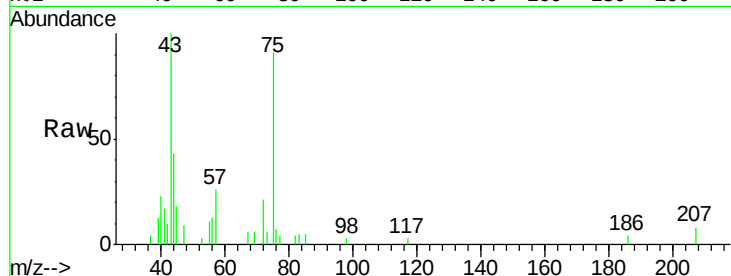
ClientSampled :

Tot Ion: 43 Resp: 14324

Ion Ratio Lower Upper

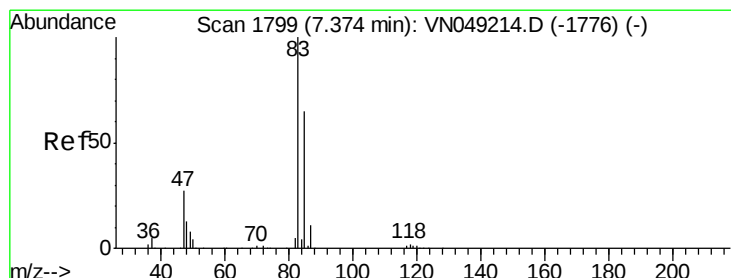
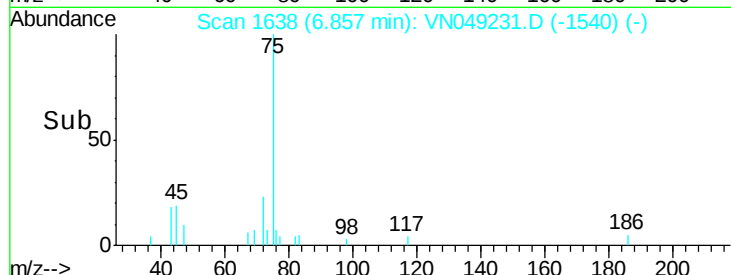
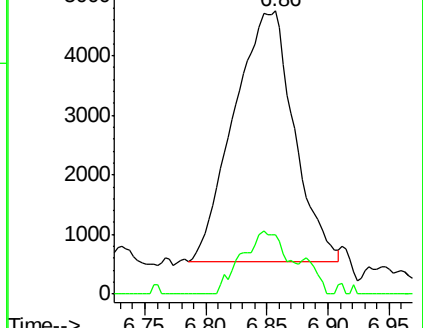
43 100

72 23.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN049231.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN049231.D (-1540) (-)



#30

Chloroform

Concen: 0.45 ug/l

RT: 7.33 min Scan# 1786

Delta R.T. -0.04 min

Lab File: VN049231.D

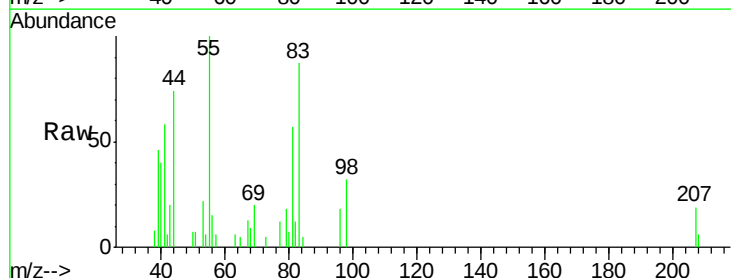
Acq: 14 Jun 2018 16:42

Tgt Ion: 83 Resp: 7659

Ion Ratio Lower Upper

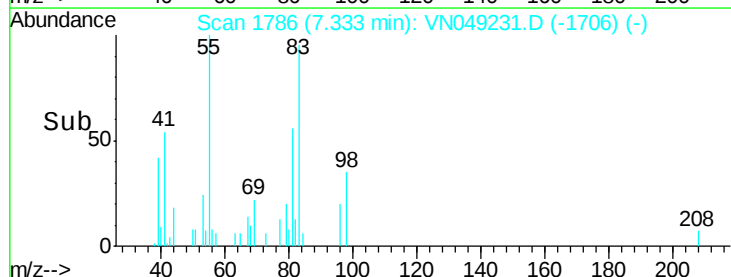
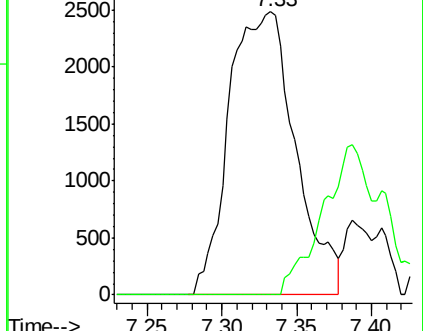
83 100

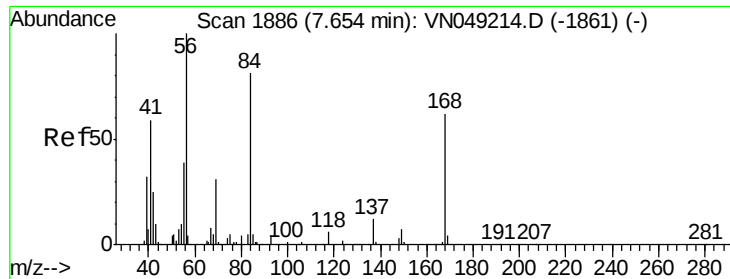
85 0.0 51.7 77.5#



Abundance Ion 82.90 (82.60 to 83.60): VN049231.D (-1706) (-)

Ion 84.90 (84.60 to 85.60): VN049231.D (-1706) (-)

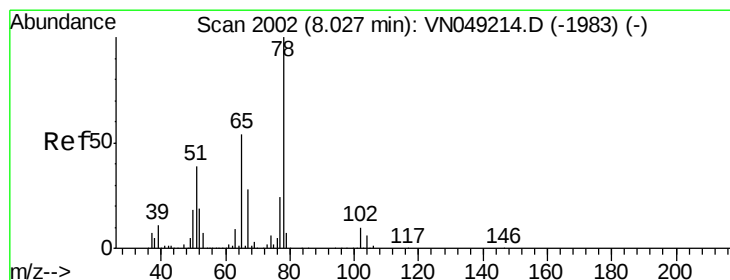
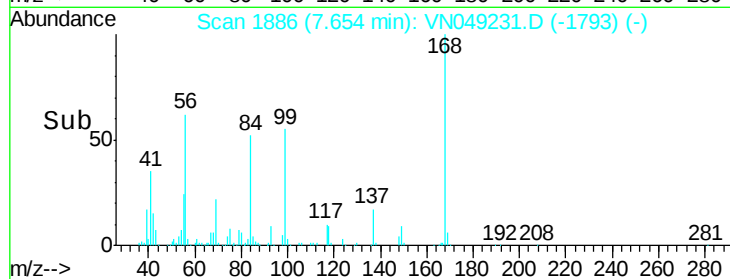
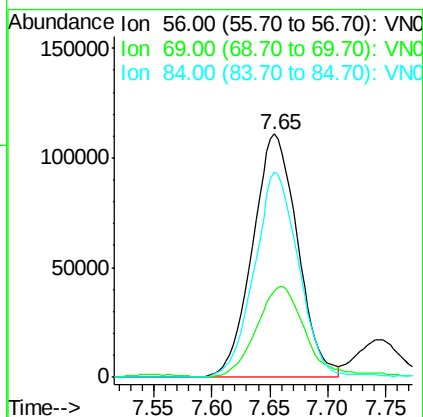
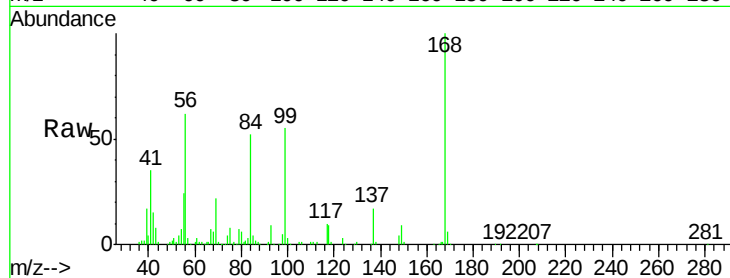




#31
Cvclohexane
Concen: 19.27 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

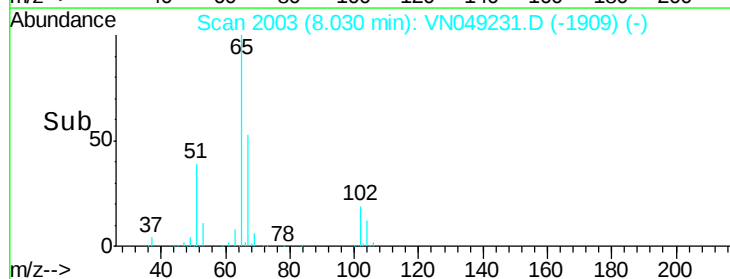
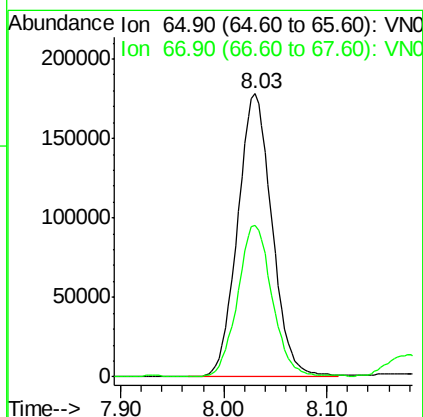
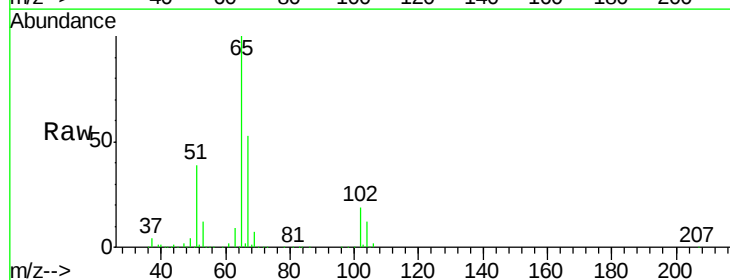
Instrument :
MSVOA_N
ClientSampled :

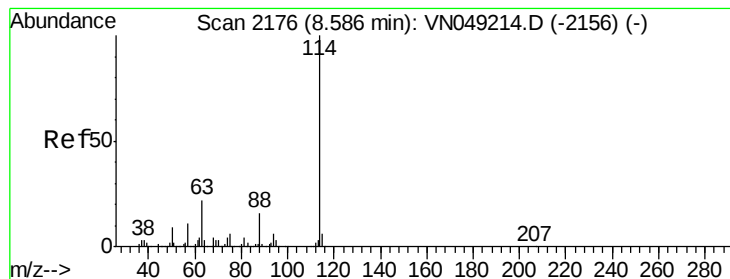
Tot Ion: 56 Resp: 299914
Ion Ratio Lower Upper
56 100
69 35.1 25.0 37.4
84 84.5 64.6 96.8



#33
1,2-Dichloroethane-d4
Concen: 40.02 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion: 65 Resp: 413910
Ion Ratio Lower Upper
65 100
67 53.7 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

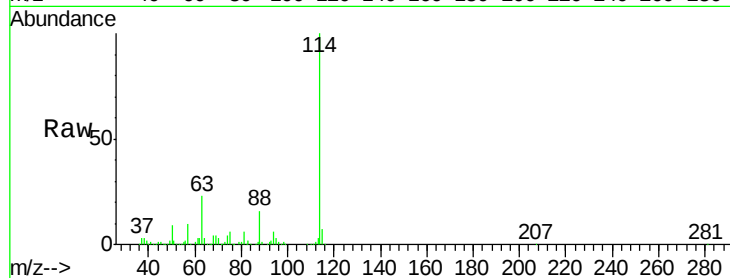
Tot Ion:114 Resp: 1178742

Ion Ratio Lower Upper

114 100

63 22.6 0.0 44.4

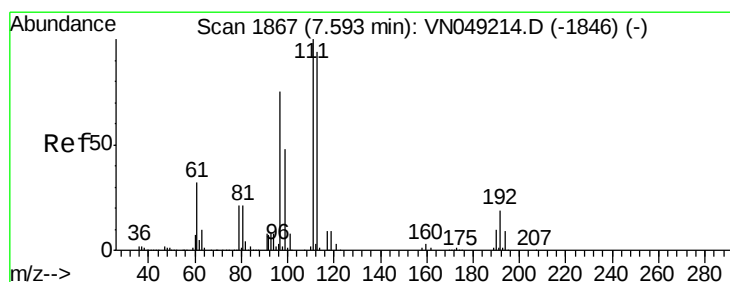
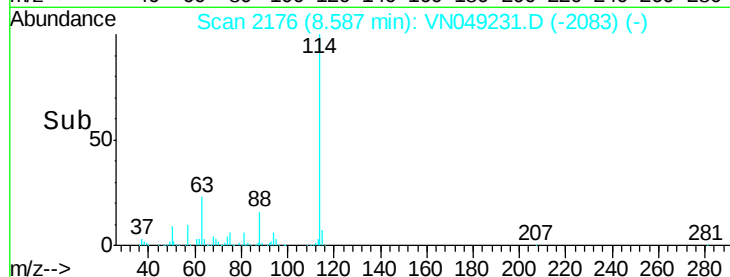
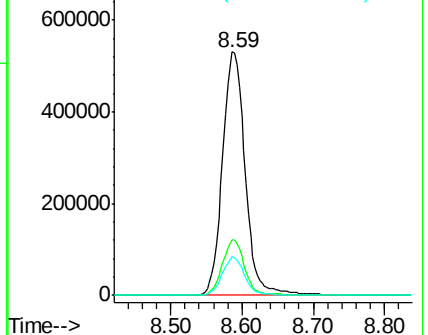
88 15.7 0.0 31.4



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: 38.12 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

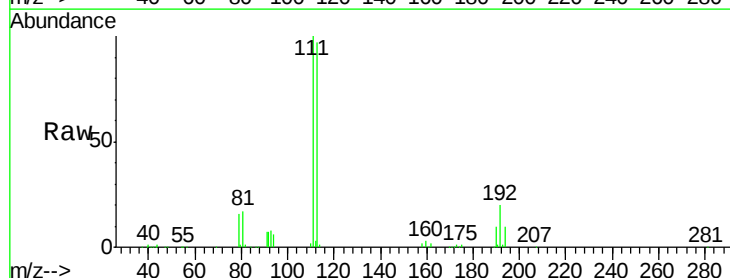
Tgt Ion:113 Resp: 371883

Ion Ratio Lower Upper

113 100

111 102.0 82.4 123.6

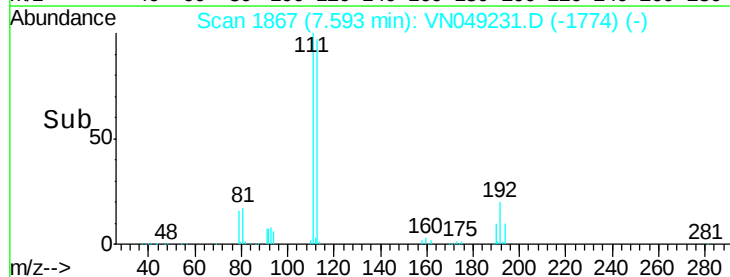
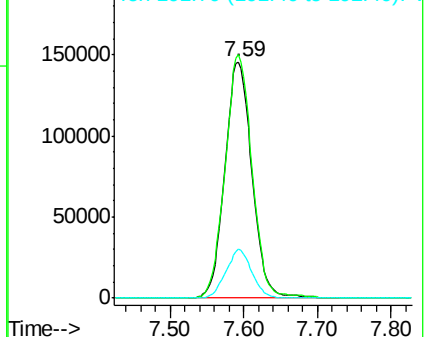
192 19.6 15.0 22.6

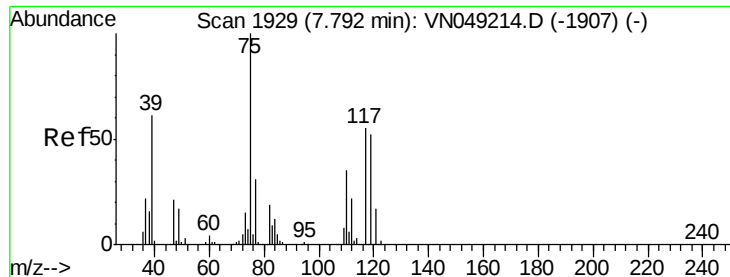


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

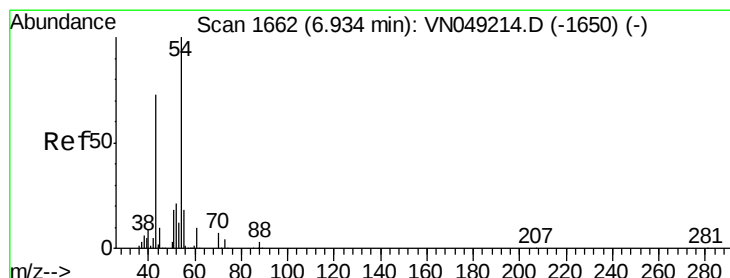
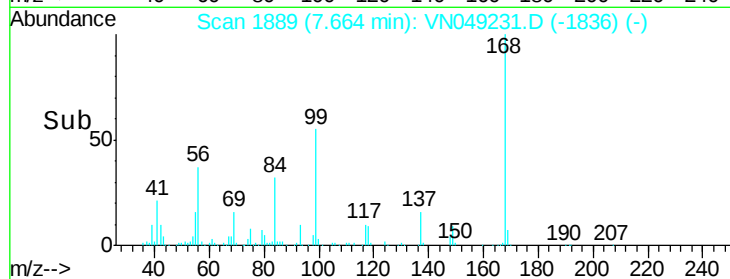
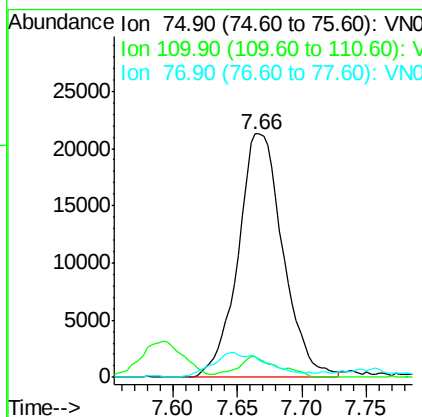
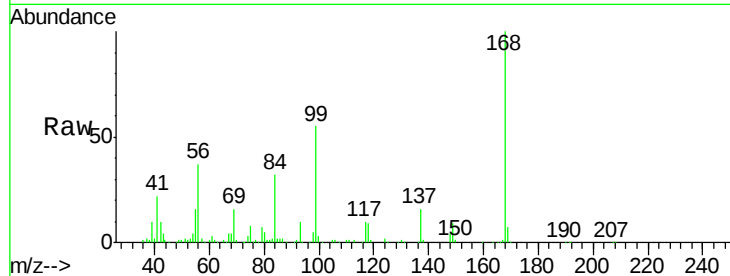




#36
 1,1-Dichloropropene
 Concen: 3.50 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

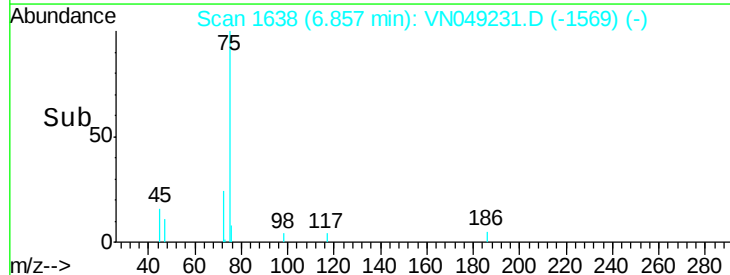
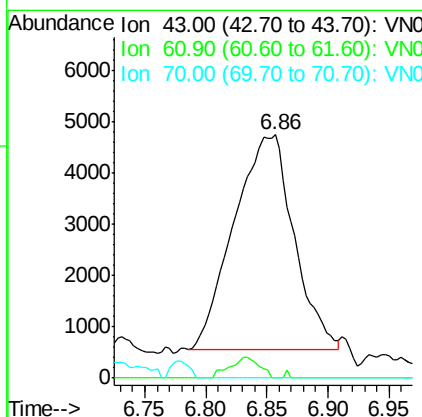
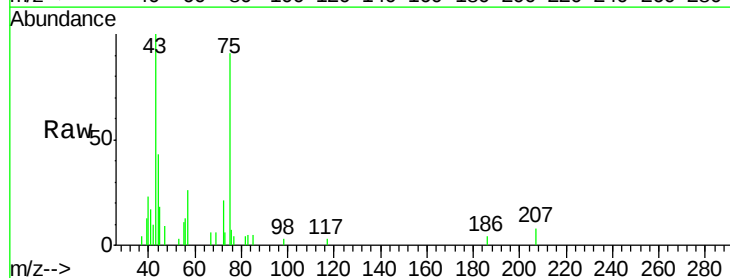
Instrument :
 MSVOA_N
 ClientSampled :

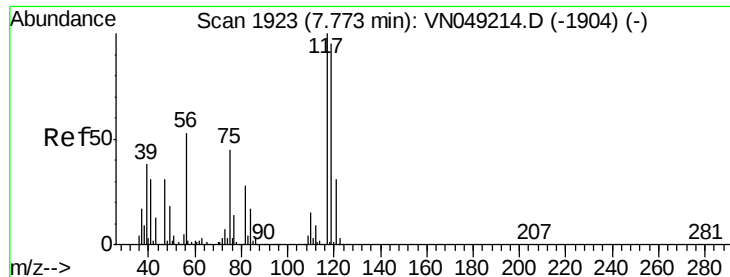
Tot Ion	75	Resp	51535
Ion Ratio	Lower	Upper	
75	100		
110	7.9	17.0	50.9#
77	6.8	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 1.54 ug/l
 RT: 6.86 min Scan# 1638
 Delta R.T. -0.08 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

Tgt Ion	43	Resp	14324
Ion Ratio	Lower	Upper	
43	100		
61	0.2	11.0	16.4#
70	0.0	7.2	10.8#

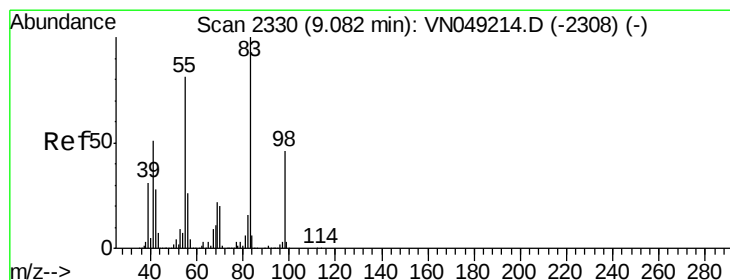
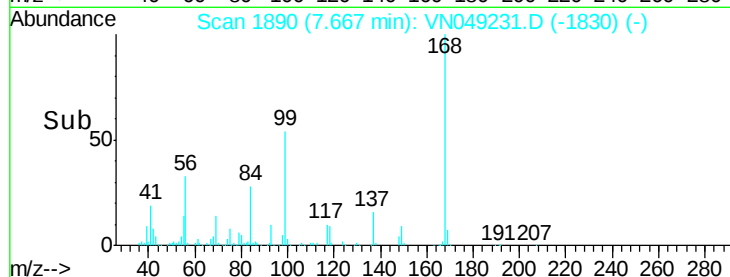
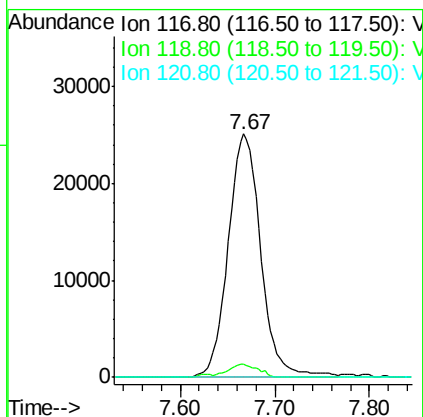
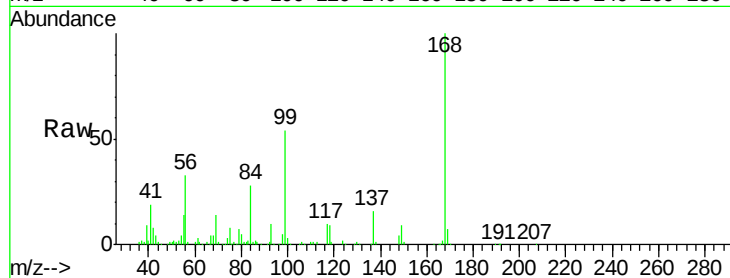




#38
Carbon Tetrachloride
Concen: 4.05 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

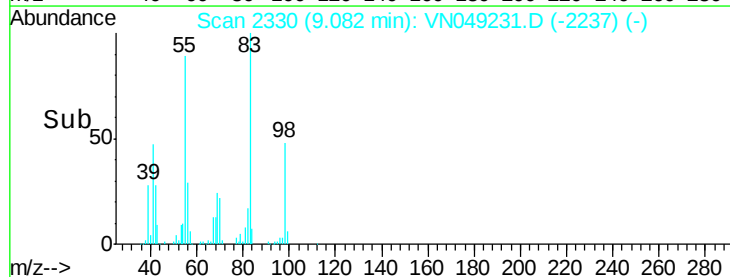
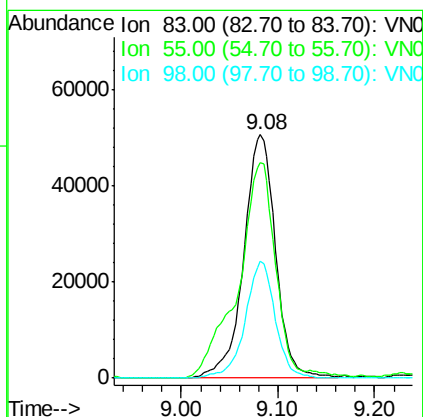
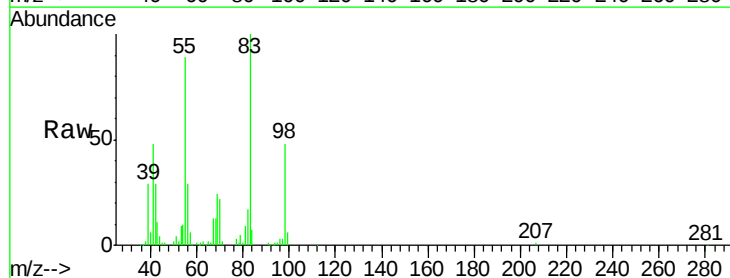
Instrument :
MSVOA_N
ClientSampled :

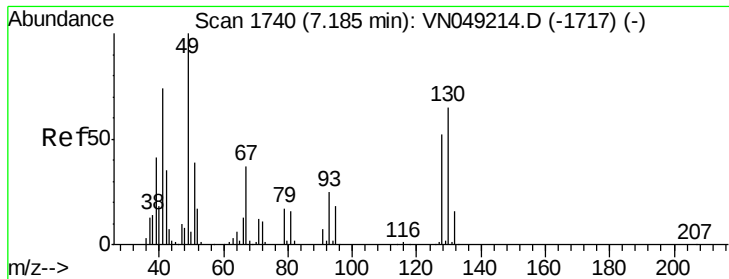
Tot Ion:117 Resp: 60128
Ion Ratio Lower Upper
117 100
119 5.5 75.6 113.4#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 7.62 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion: 83 Resp: 115933
Ion Ratio Lower Upper
83 100
55 88.2 65.1 97.7
98 48.0 36.5 54.7

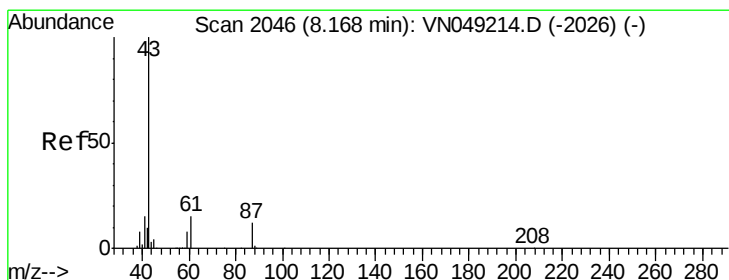
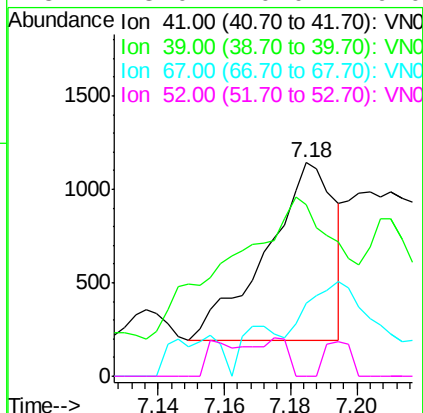
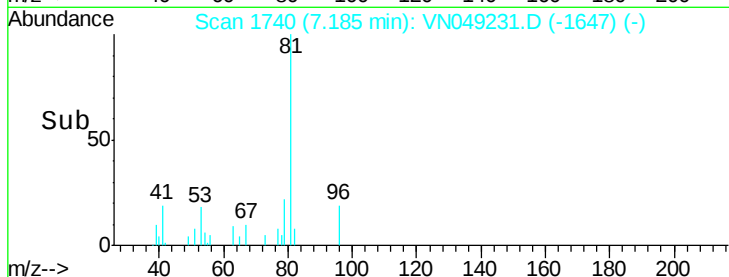
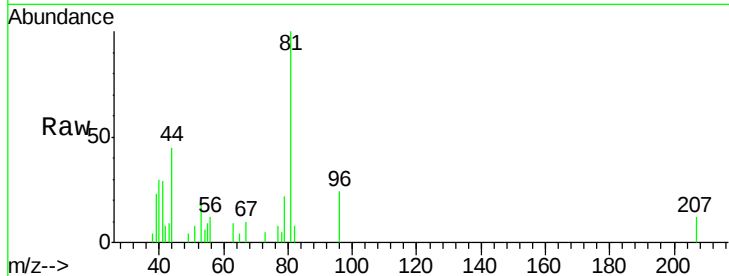




#41
Methacrylonitrile
Concen: 0.26 ug/l
RT: 7.18 min Scan# 1740
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

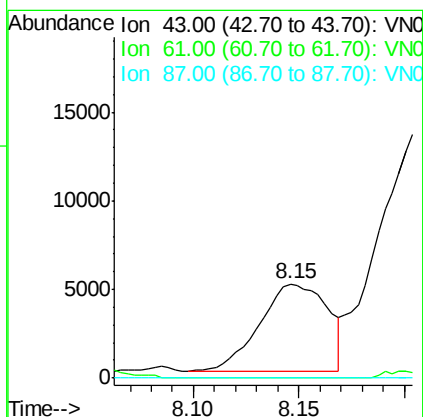
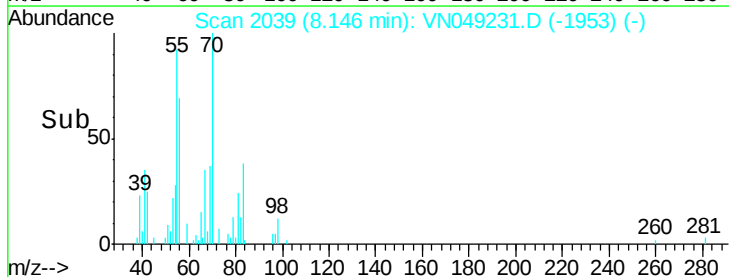
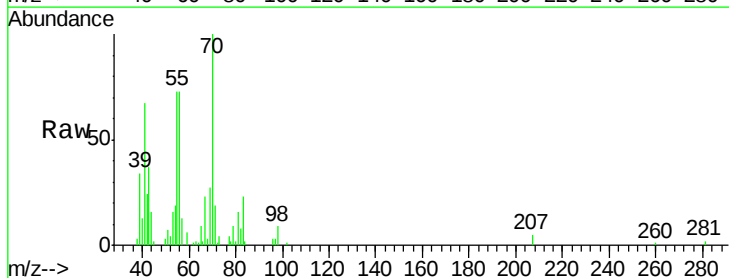
Instrument :
MSVOA_N
ClientSampled :

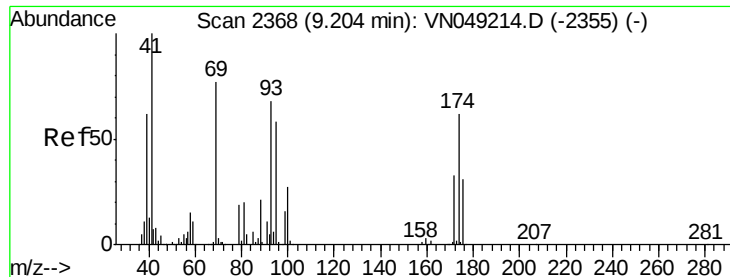
Tot Ion:	41	Resp:	1365
Ion	Ratio	Lower	Upper
41	100		
39	141.5	0.0	0.0#
67	0.0	0.0	0.0
52	8.0	0.0	0.0#



#43
Isopropyl Acetate
Concen: 0.65 ug/l
RT: 8.15 min Scan# 2039
Delta R.T. -0.02 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion:	43	Resp:	11189
Ion	Ratio	Lower	Upper
43	100		
61	0.0	14.2	21.4#
87	0.0	9.4	14.0#

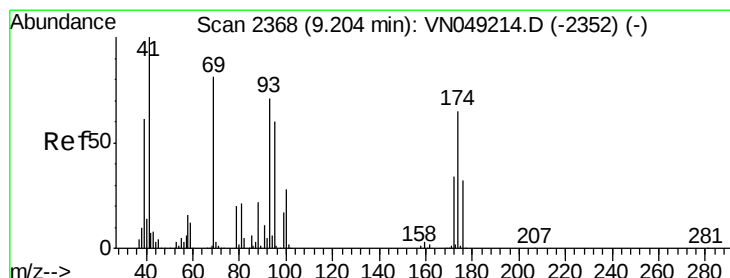
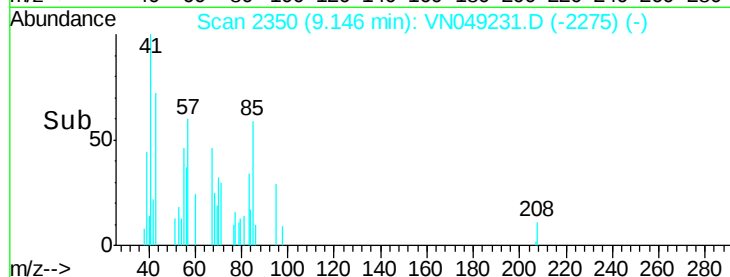
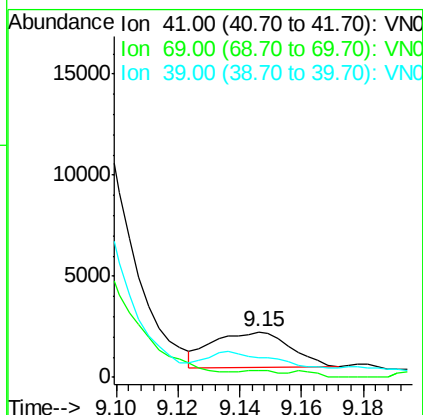
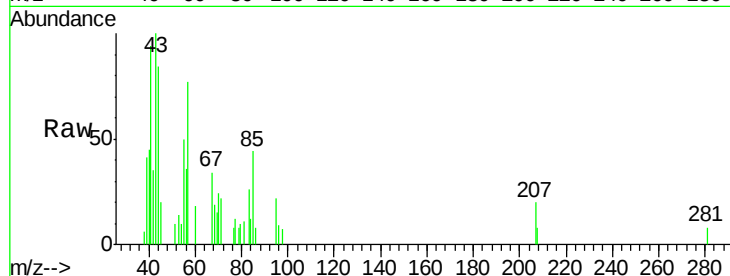




#48
Methyl methacrylate
Concen: 0.37 ug/l
RT: 9.15 min Scan# 2350
Delta R.T. -0.06 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

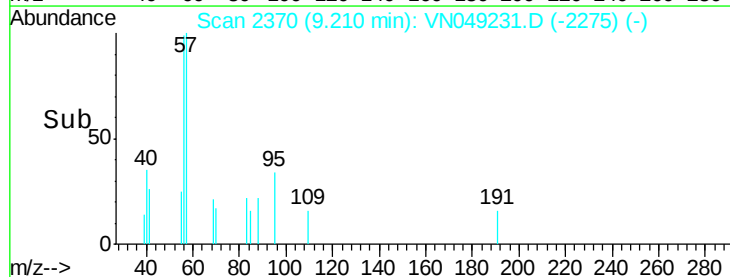
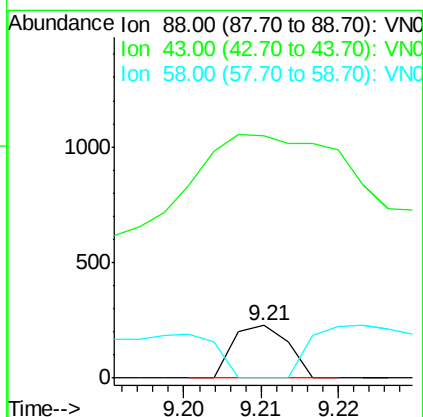
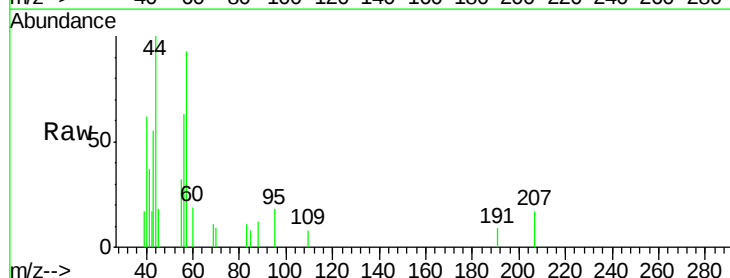
Instrument :
MSVOA_N
ClientSampleId :

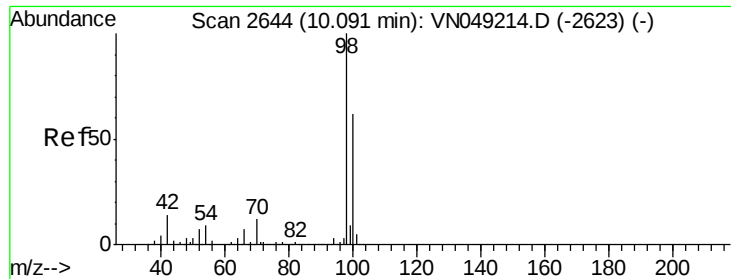
Tot Ion: 41 Resp: 3084
Ion Ratio Lower Upper
41 100
69 0.0 62.0 93.0#
39 0.0 50.6 75.8#



#49
1,4-Dioxane
Concen: 1.15 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion: 88 Resp: 113
Ion Ratio Lower Upper
88 100
43 663.7 30.9 46.3#
58 202.7 58.9 88.3#

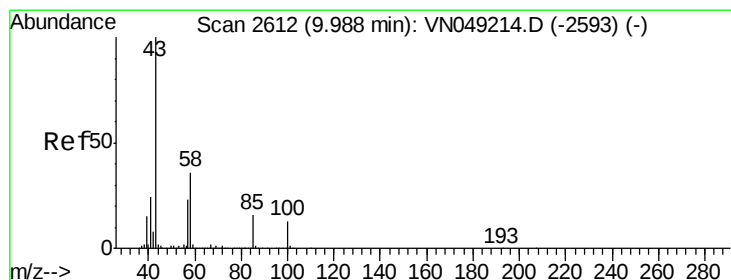
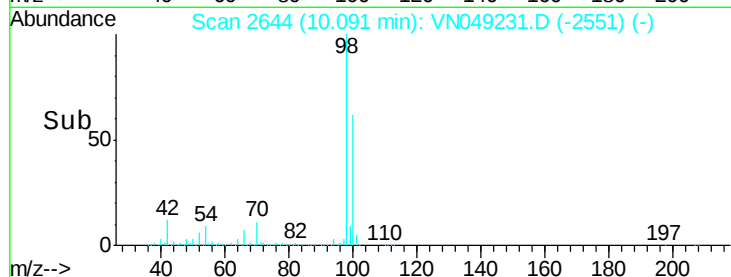
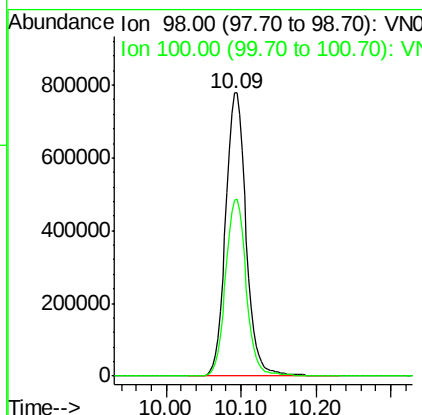
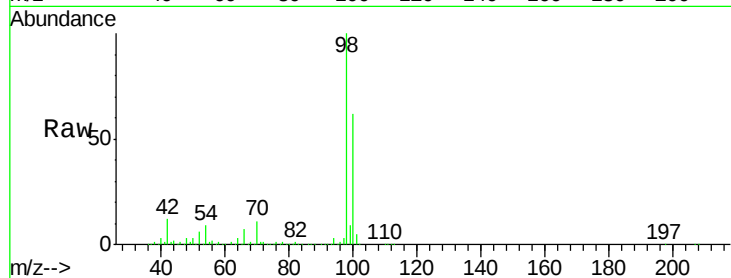




#50
Toluene-d8
Concen: 38.83 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

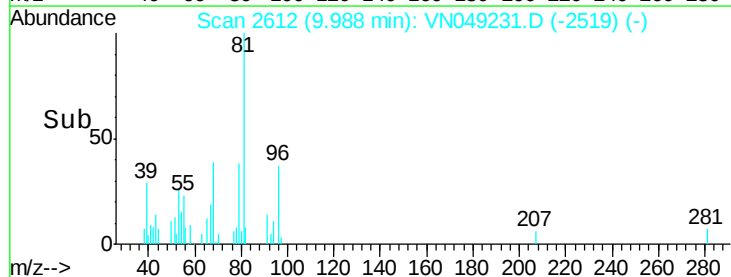
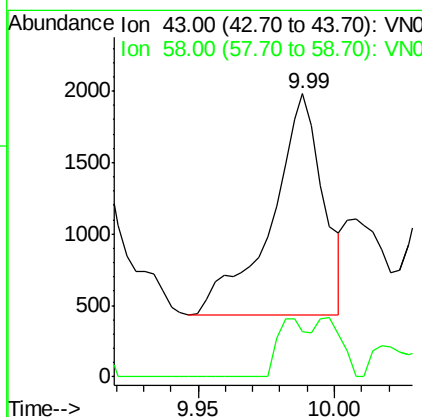
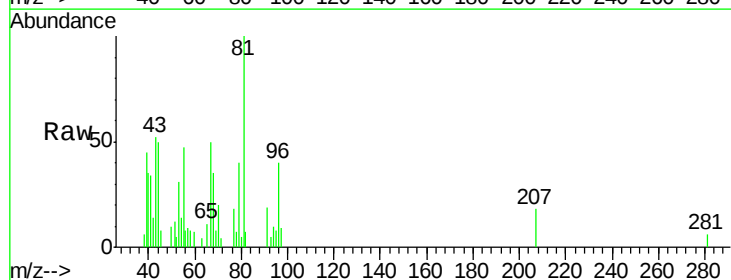
Instrument :
MSVOA_N
ClientSampled :

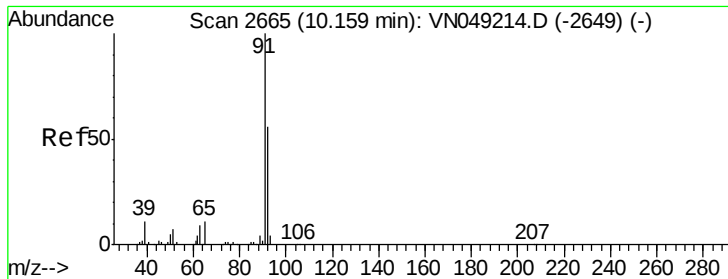
Tot Ion: 98 Resp: 1473667
Ion Ratio Lower Upper
98 100
100 62.7 49.8 74.8



#51
4-Methyl-2-Pentanone
Concen: 0.23 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion: 43 Resp: 2057
Ion Ratio Lower Upper
43 100
58 0.0 29.0 43.6#





#52

Toluene

Concen: 2.85 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

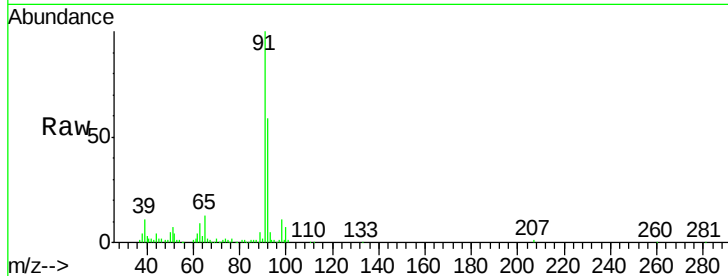
ClientSampleId :

Tot Ion: 92 Resp: 73958

Ion Ratio Lower Upper

92 100

91 178.4 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049231.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049231.D (-2649) (-)

80000

60000

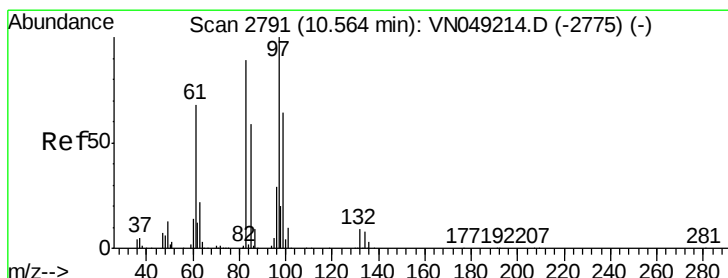
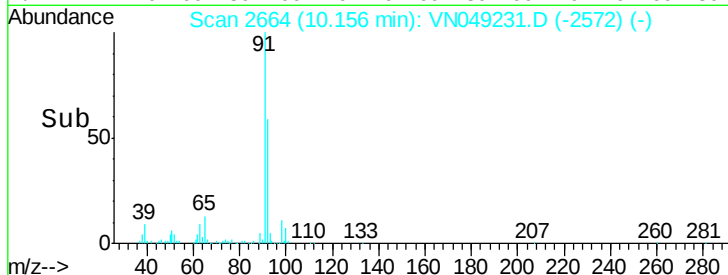
40000

20000

0

10.10 10.20

Time-->



#55

1,1,2-Trichloroethane

Concen: 1.15 ug/l

RT: 10.54 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Tgt Ion: 97 Resp: 10977

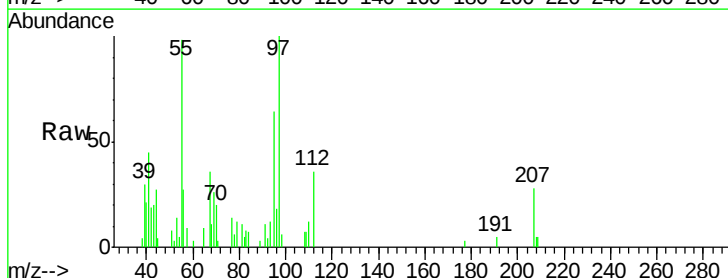
Ion Ratio Lower Upper

97 100

83 8.5 71.5 107.3#

85 0.0 47.0 70.4#

99 0.0 51.4 77.2#



Abundance Ion 96.90 (96.60 to 97.60): VN049231.D (-2698) (-)

Ion 82.90 (82.60 to 83.60): VN049231.D (-2698) (-)

Ion 84.90 (84.60 to 85.60): VN049231.D (-2698) (-)

Ion 98.90 (98.60 to 99.60): VN049231.D (-2698) (-)

8000

6000

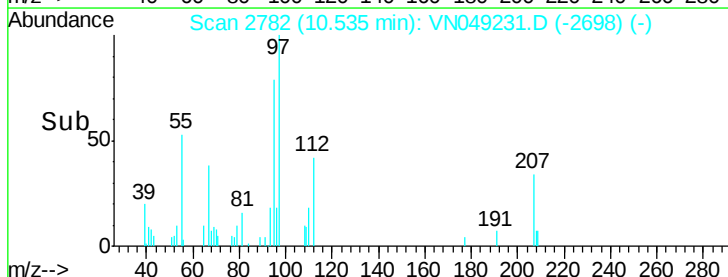
4000

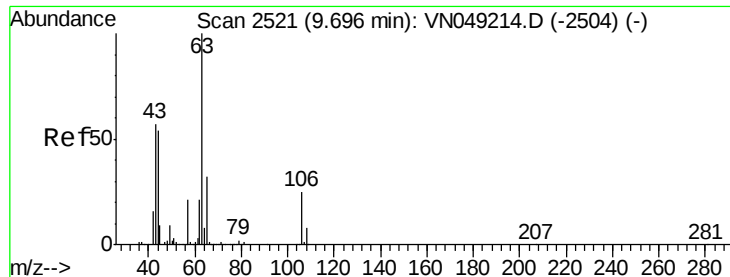
2000

0

10.45 10.50 10.55 10.60

Time-->





#58

2-Chloroethyl Vinyl ether

Concen: 13.19 ug/l

RT: 9.70 min Scan# 2523

Delta R.T. 0.01 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

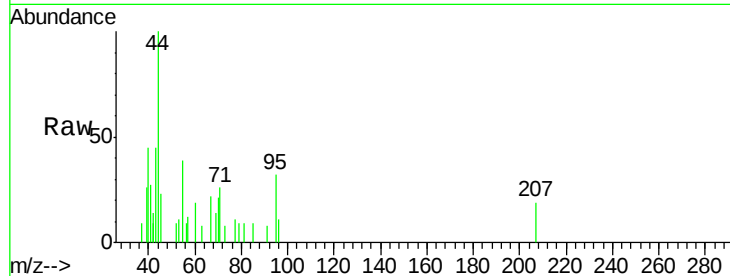
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

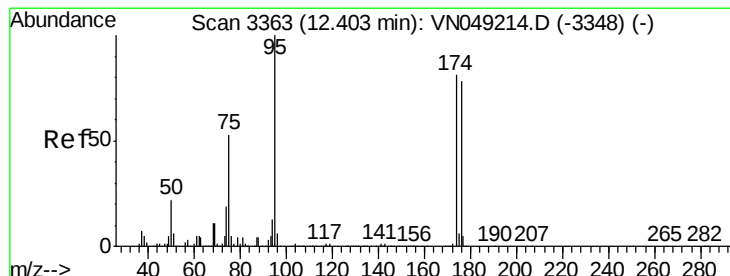
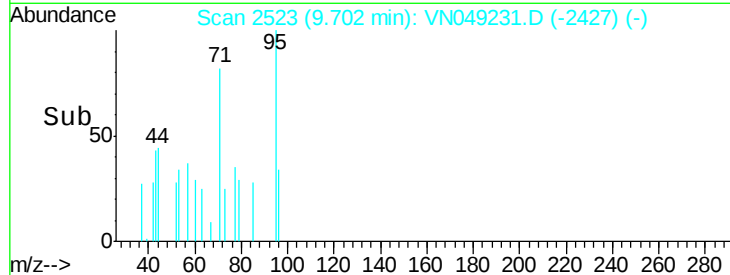
150

100

50

0

Time-->



#62

4-Bromofluorobenzene

Concen: 44.97 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

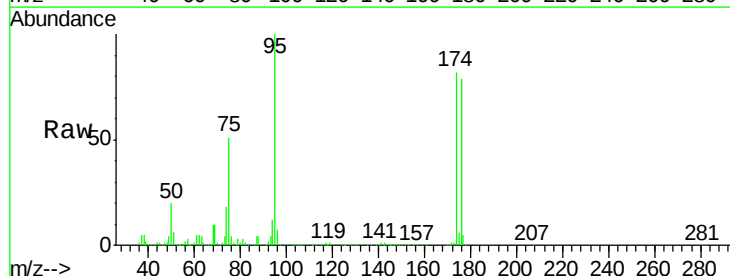
Tgt Ion: 95 Resp: 566515

Ion Ratio Lower Upper

95 100

174 81.9 0.0 165.6

176 79.4 0.0 157.4



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

12.40

400000

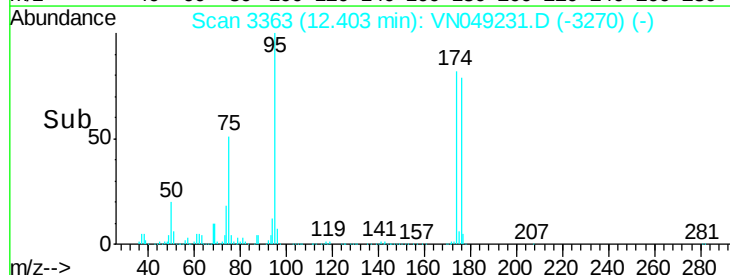
300000

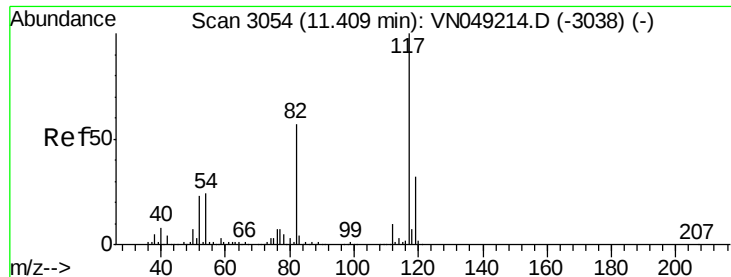
200000

100000

0

Time-->

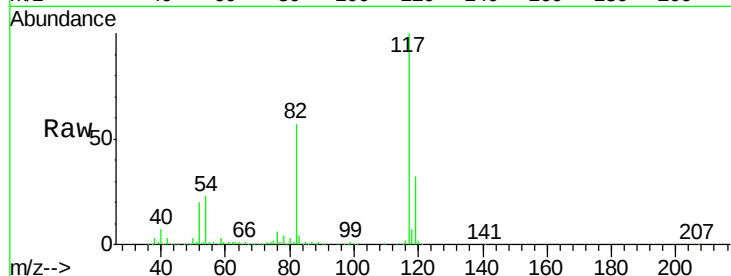




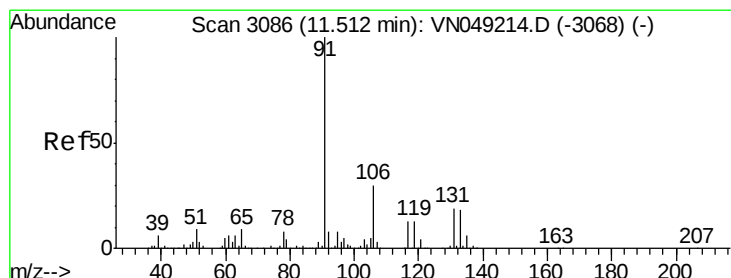
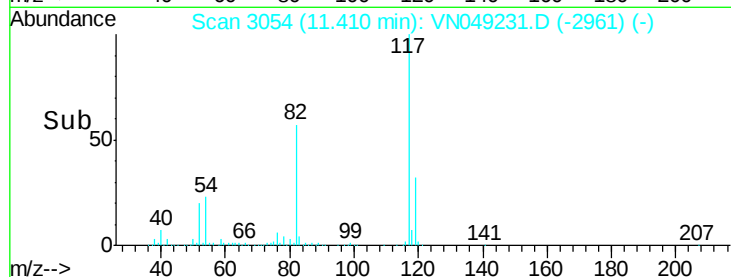
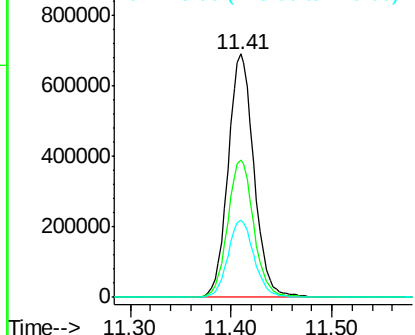
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1231158
Ion Ratio Lower Upper
117 100
82 56.7 45.9 68.9
119 31.9 25.5 38.3

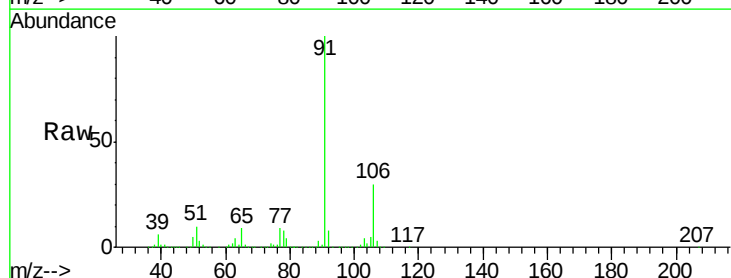


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

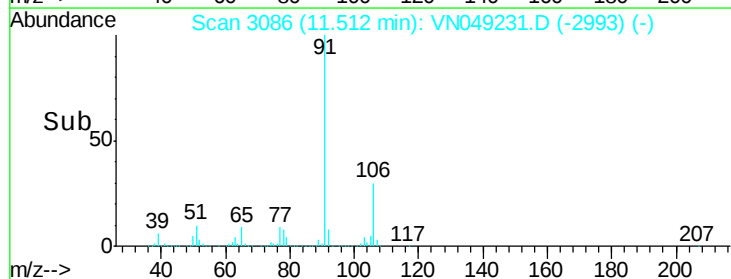
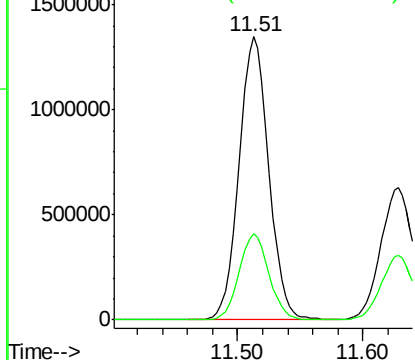


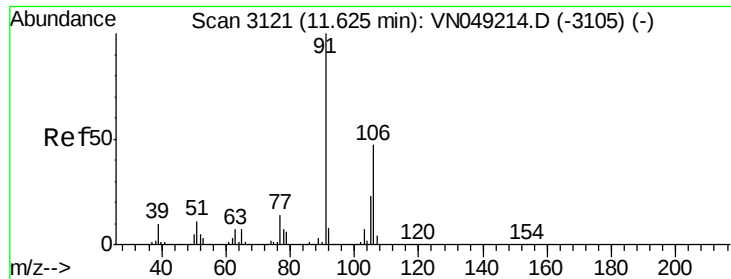
#67
Ethyl Benzene
Concen: 40.40 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion: 91 Resp: 2213537
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9



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

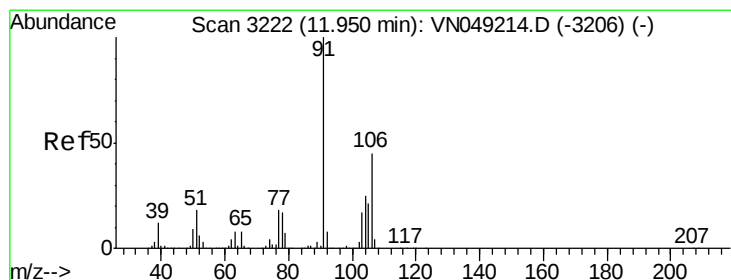
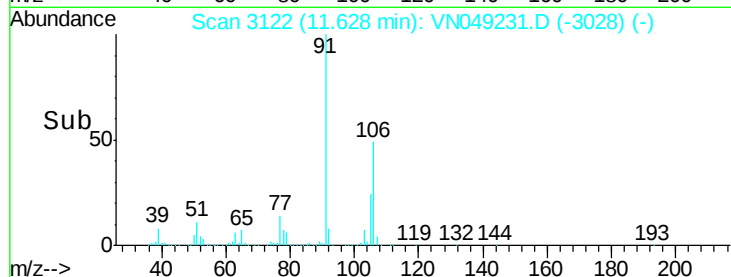
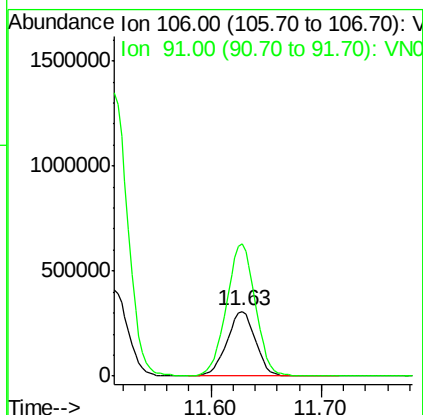
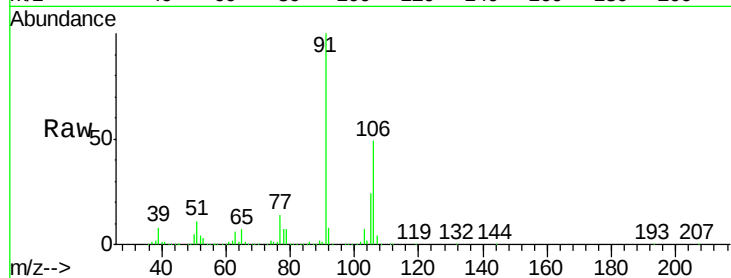




#68
m/p-Xylenes
Concen: 27.67 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

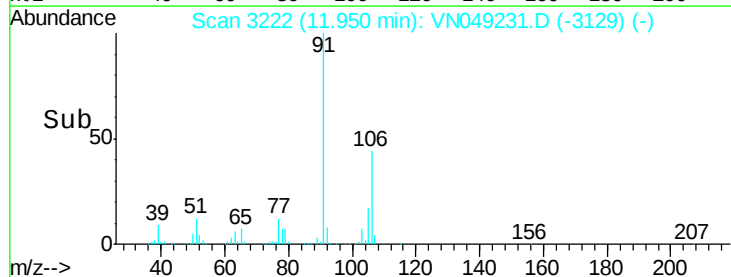
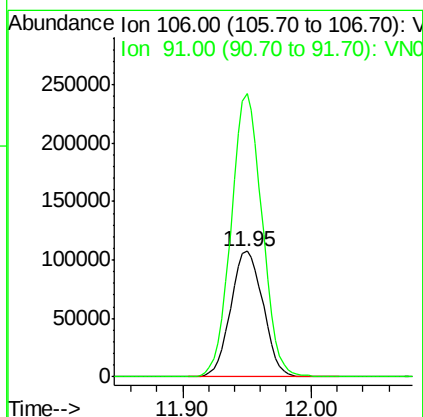
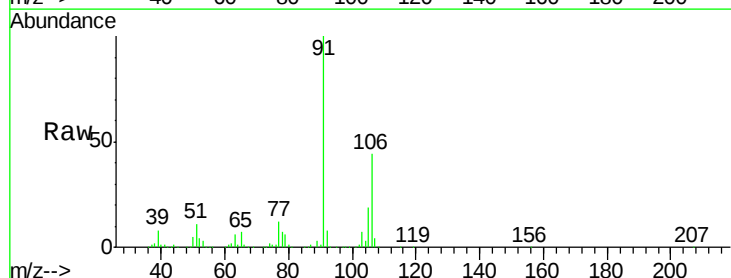
Instrument :
MSVOA_N
ClientSampleId :

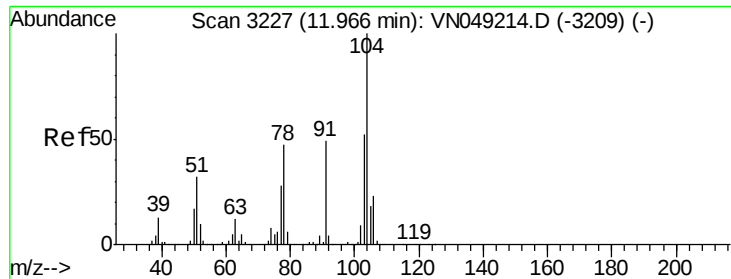
Tot Ion:106 Resp: 554317
Ion Ratio Lower Upper
106 100
91 206.8 167.3 250.9



#69
o-Xylene
Concen: 9.72 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion:106 Resp: 187486
Ion Ratio Lower Upper
106 100
91 215.7 111.0 333.0





#70

Stvrene

Concen: 0.45 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.02 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

ClientSampleId :

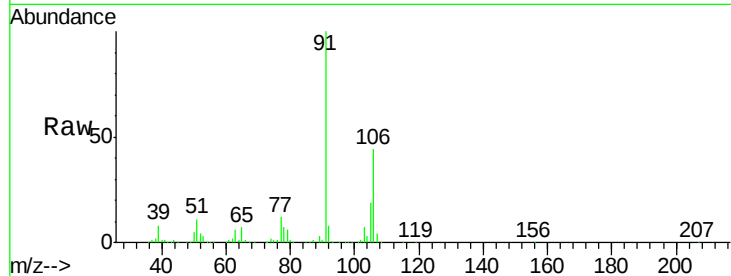
Tot Ion:104 Resp: 13658

Ion Ratio Lower Upper

104 100

78 223.5 41.6 62.4#

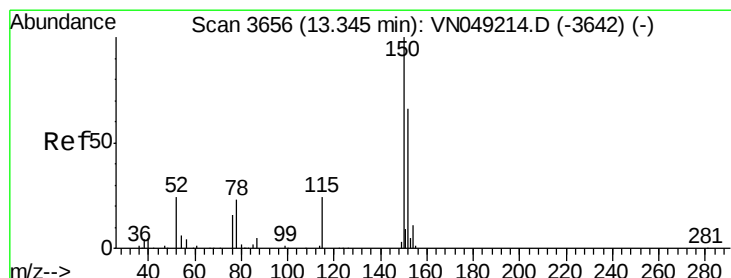
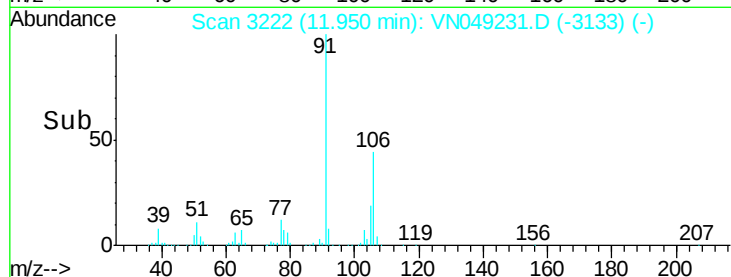
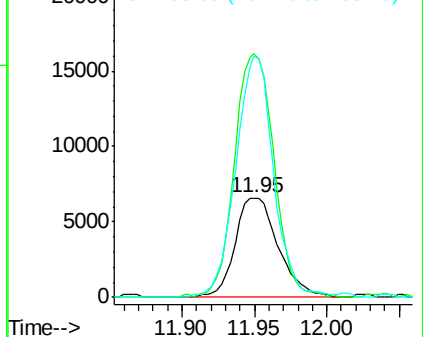
103 211.9 45.4 68.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

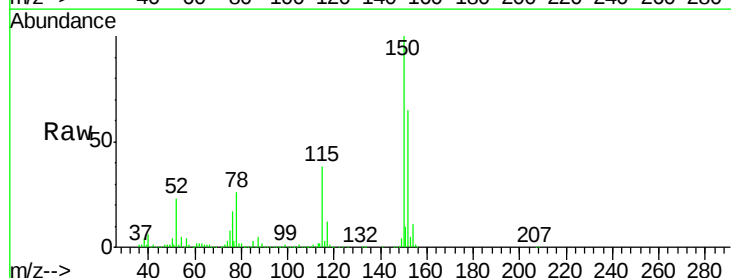
Tgt Ion:152 Resp: 479592

Ion Ratio Lower Upper

152 100

115 60.7 28.7 86.1

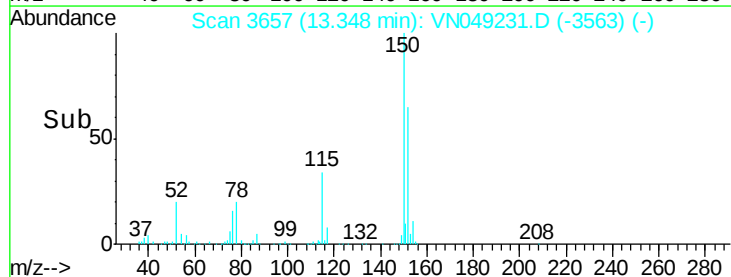
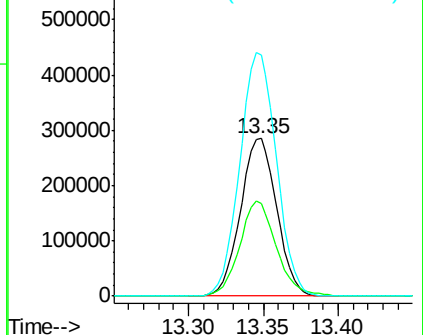
150 156.3 0.0 351.0

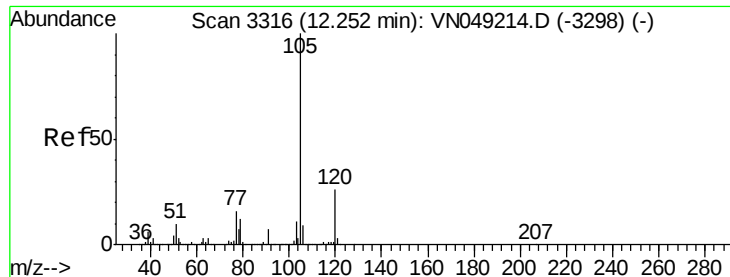


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.40 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

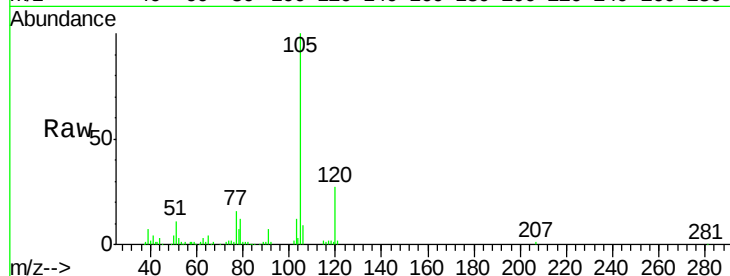
ClientSampleId :

Tot Ion:105 Resp: 110757

Ion Ratio Lower Upper

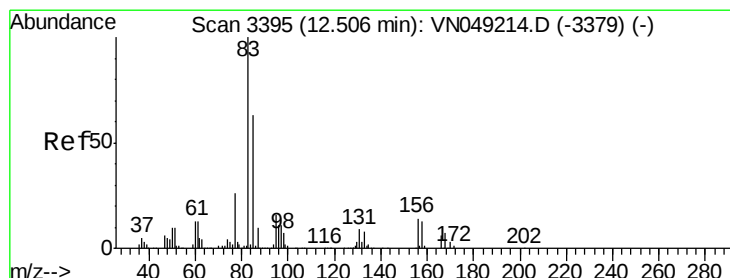
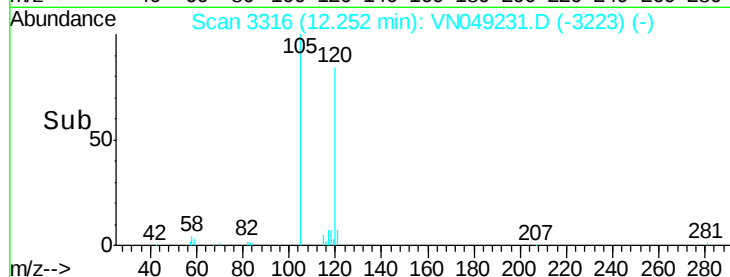
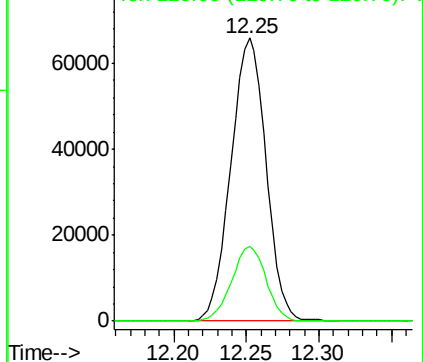
105 100

120 25.9 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.52 min Scan# 3400

Delta R.T. 0.02 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

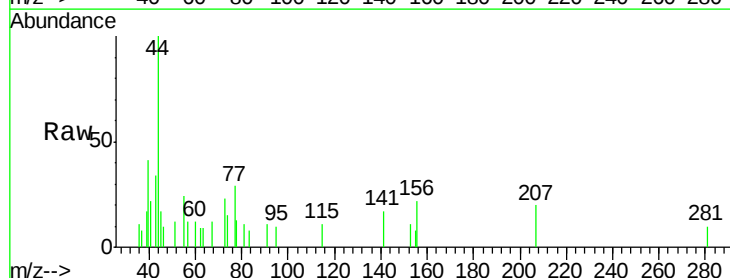
Tgt Ion: 83 Resp: 58

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

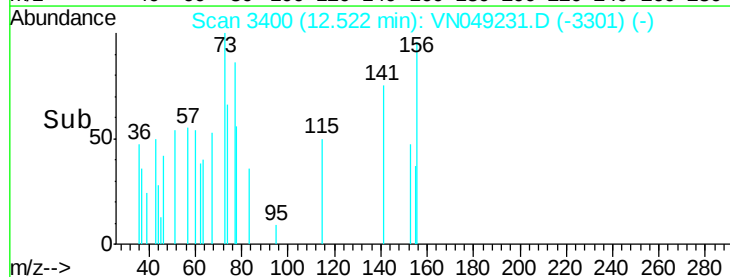
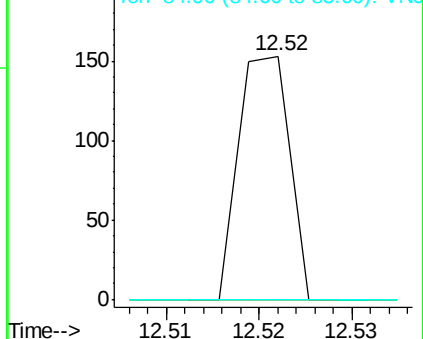
85 0.0 32.0 96.0#

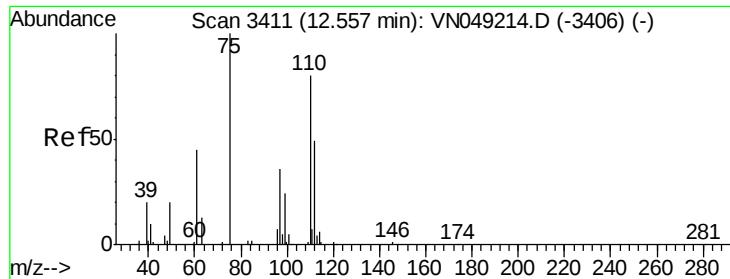


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 36.13 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

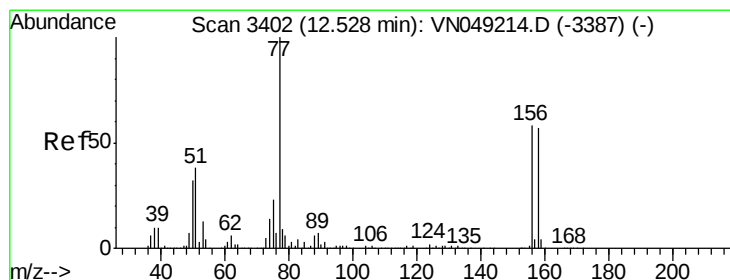
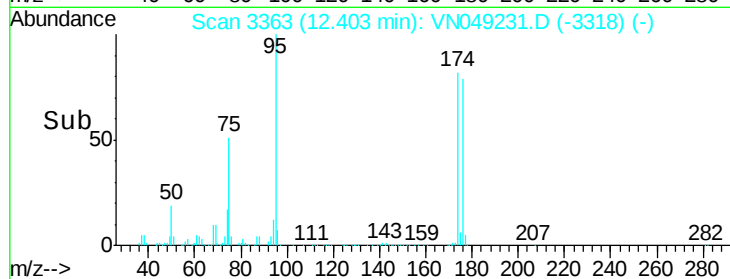
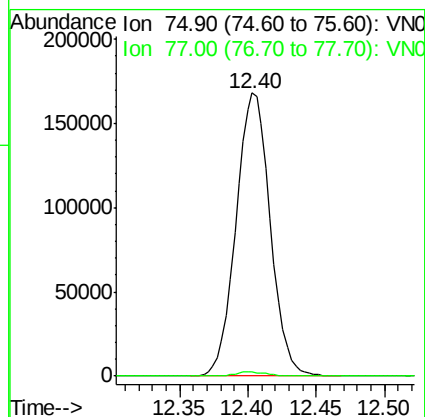
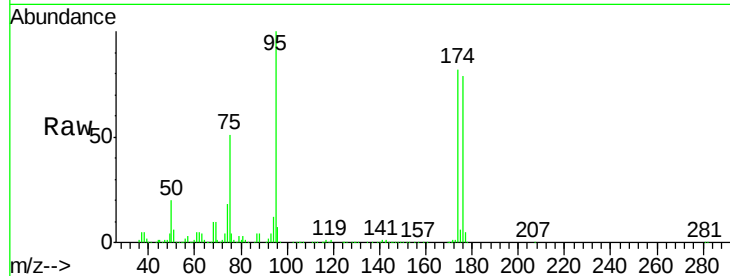
ClientSampled :

Tot Ion: 75 Resp: 292024

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#77

Bromobenzene

Concen: Below Cal

RT: 12.54 min Scan# 3405

Delta R.T. 0.01 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

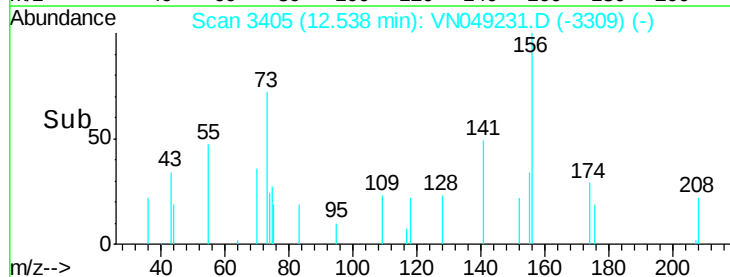
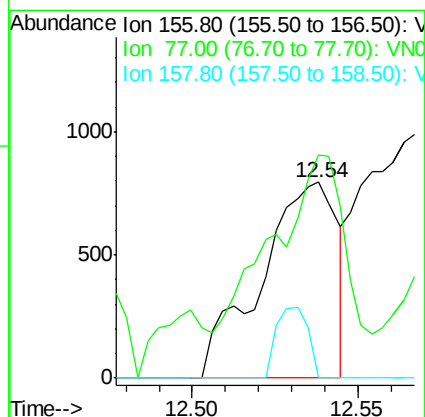
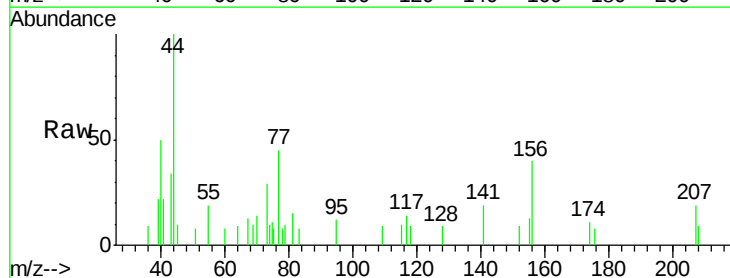
Tgt Ion: 156 Resp: 1275

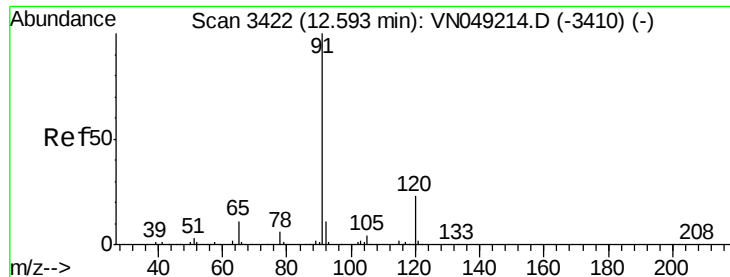
Ion Ratio Lower Upper

156 100

77 79.8 100.8 302.4#

158 14.9 49.3 147.9#





#78

n-propylbenzene

Concen: 4.90 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

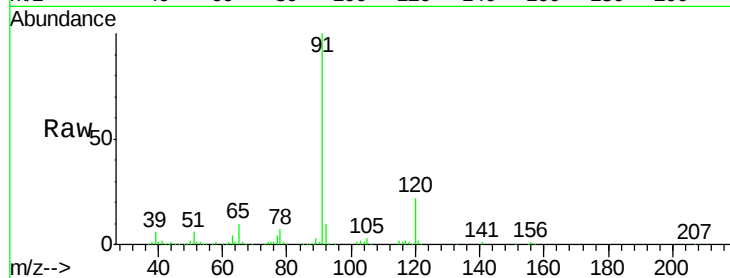
ClientSampled :

Tot Ion: 91 Resp: 250690

Ion Ratio Lower Upper

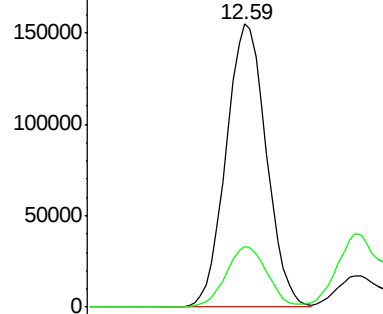
91 100

120 21.9 11.2 33.5

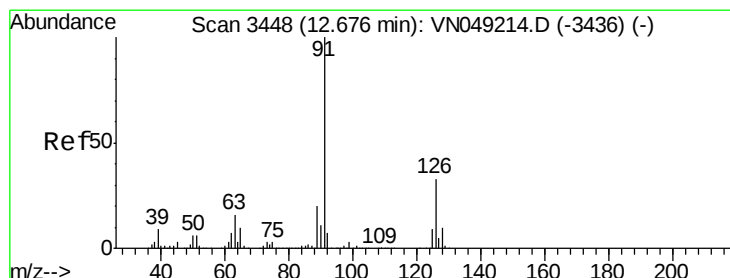
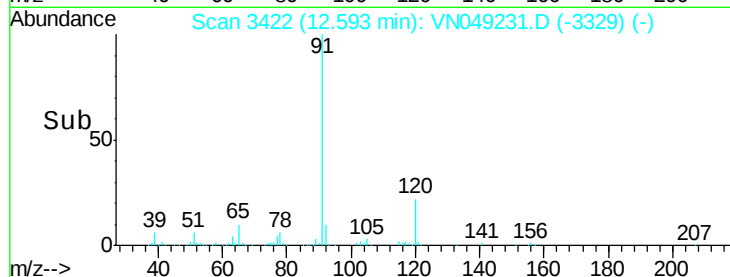


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->



#79

2-Chlorotoluene

Concen: 0.85 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049231.D

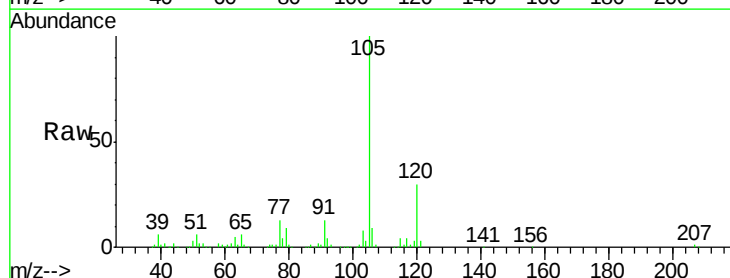
Acq: 14 Jun 2018 16:42

Tgt Ion: 91 Resp: 27489

Ion Ratio Lower Upper

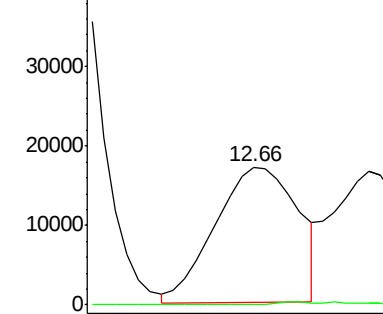
91 100

126 0.8 16.6 49.8#

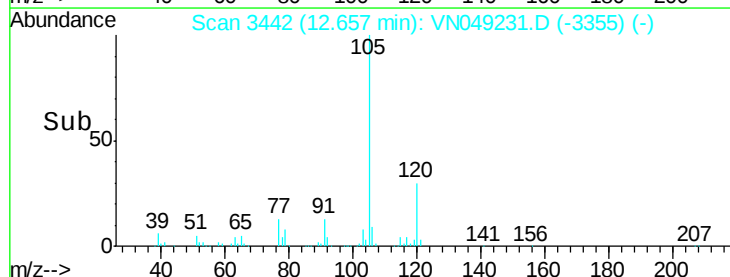


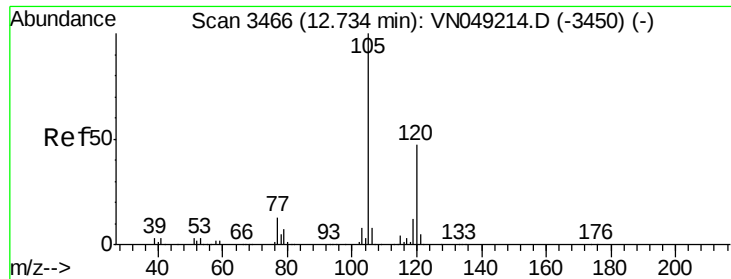
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



Time-->

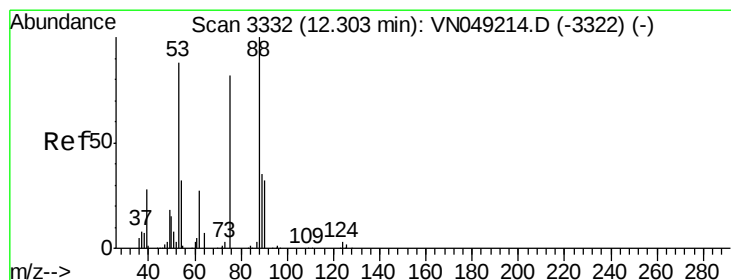
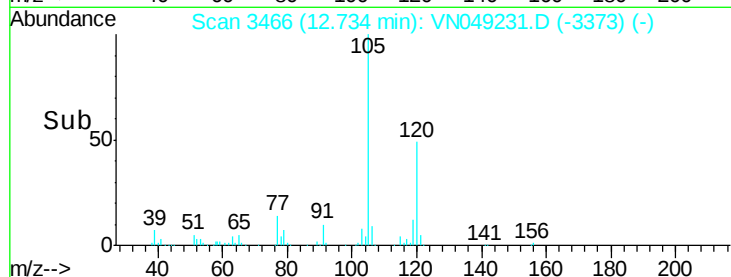
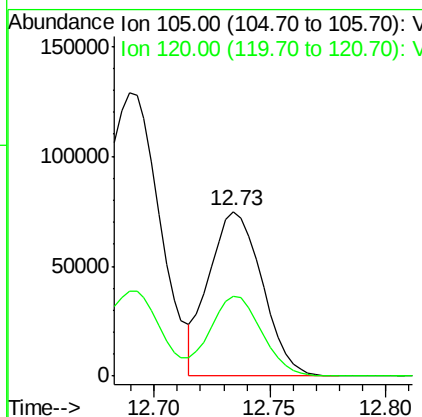
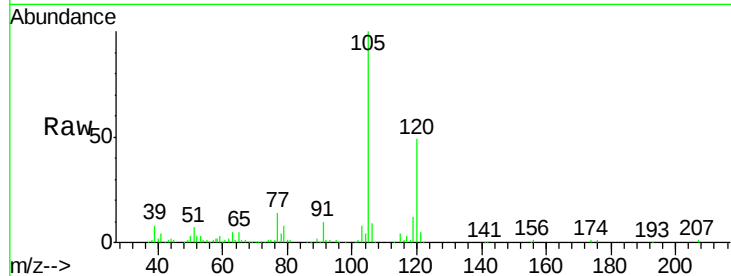




#80
 1,3,5-Trimethylbenzene
 Concen: 3.37 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

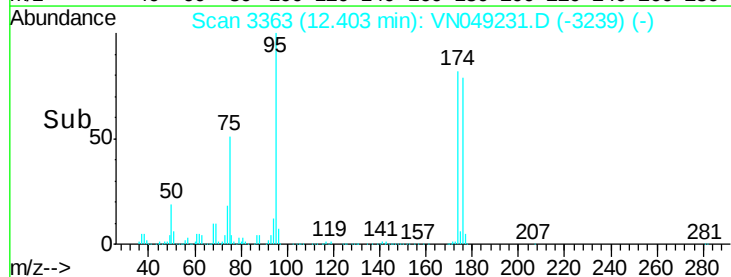
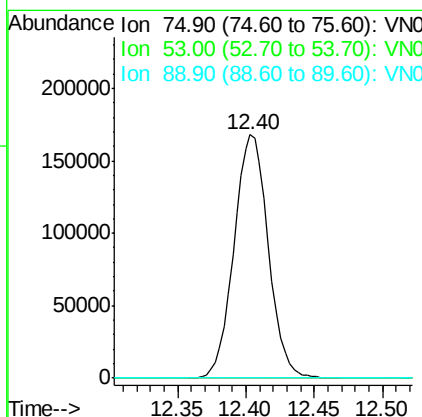
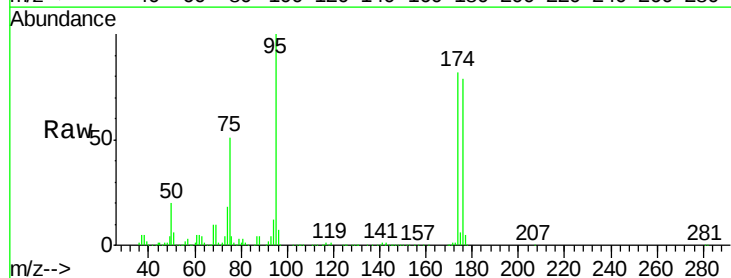
Instrument :
 MSVOA_N
 ClientSampled :

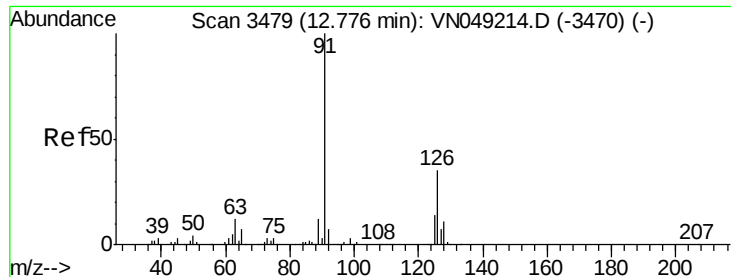
Tot Ion:105 Resp: 118877
 Ion Ratio Lower Upper
 105 100
 120 48.5 23.5 70.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 101.73 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

Tgt Ion: 75 Resp: 292024
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.7 124.1#
 89 0.0 36.5 54.7#

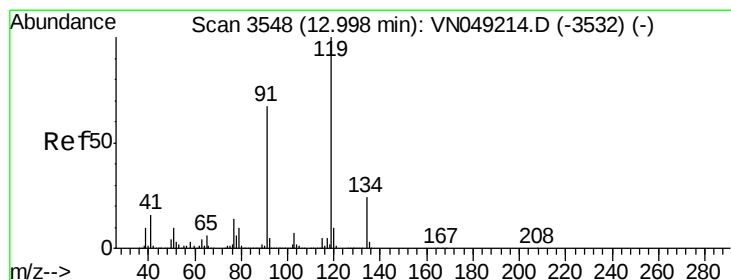
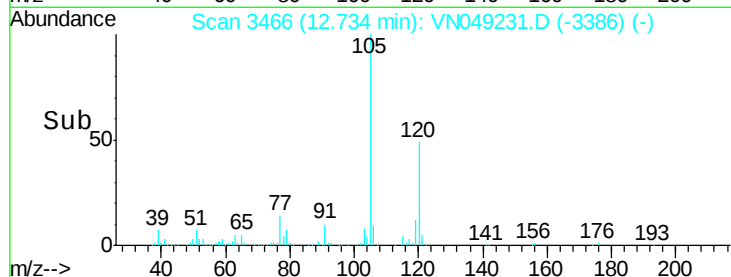
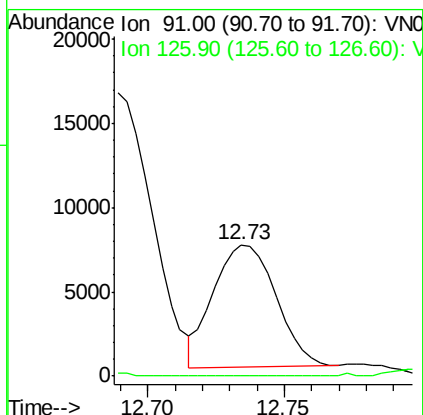
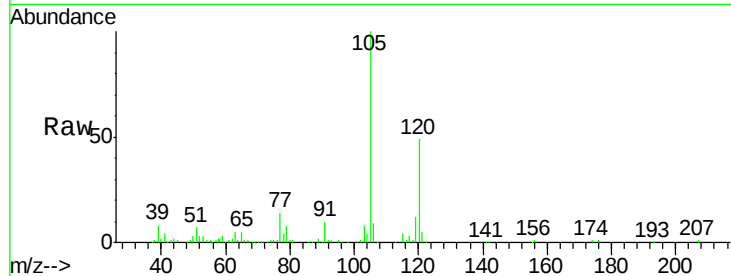




#82
4-Chlorotoluene
Concen: 0.38 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. -0.04 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

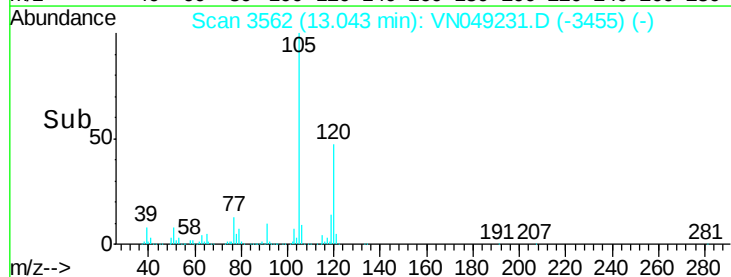
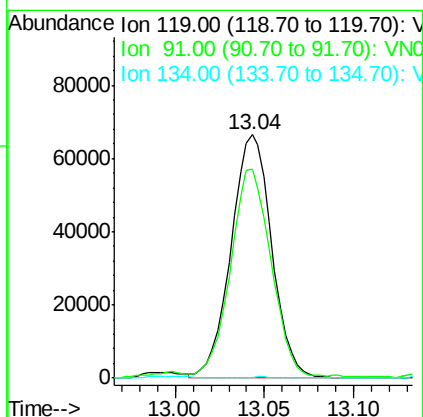
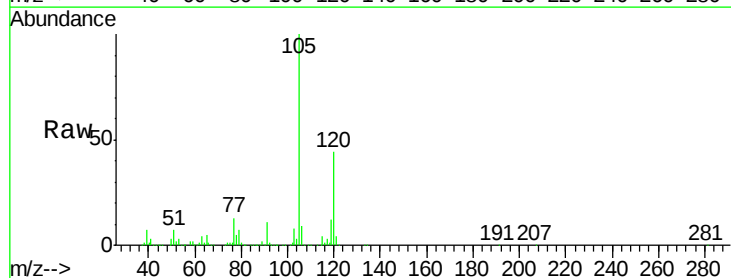
Instrument :
MSVOA_N
ClientSampleId :

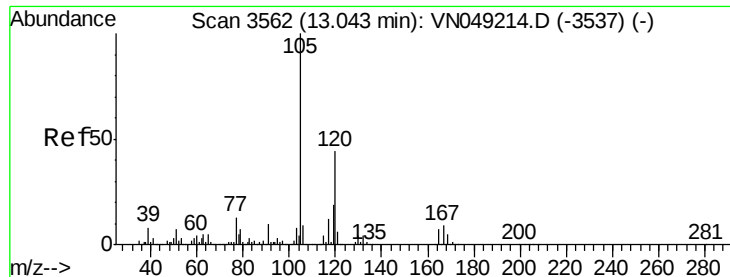
Tot Ion: 91 Resp: 11662
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.1#



#83
tert-Butylbenzene
Concen: 3.48 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.05 min
Lab File: VN049231.D
Acq: 14 Jun 2018 16:42

Tgt Ion: 119 Resp: 105788
Ion Ratio Lower Upper
119 100
91 85.9 33.7 101.0
134 0.2 12.9 38.6#





#84

1,2,4-Trimethylbenzene

Concen: 24.34 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

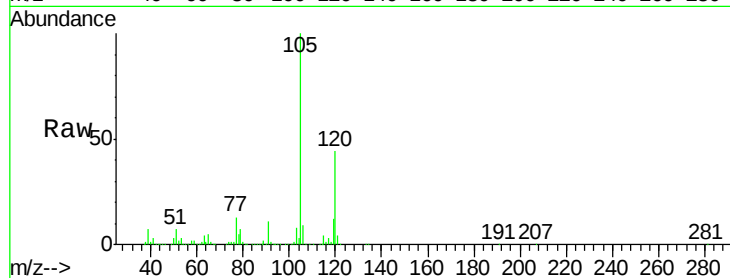
ClientSampled :

Tot Ion:105 Resp: 854369

Ion Ratio Lower Upper

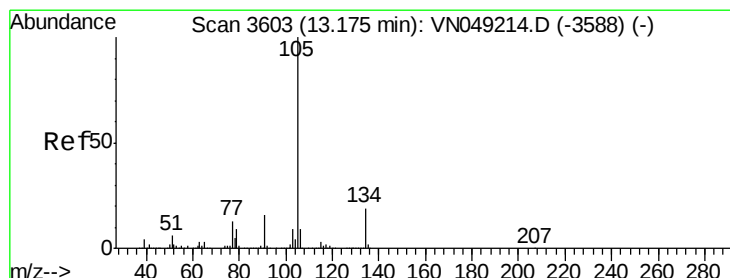
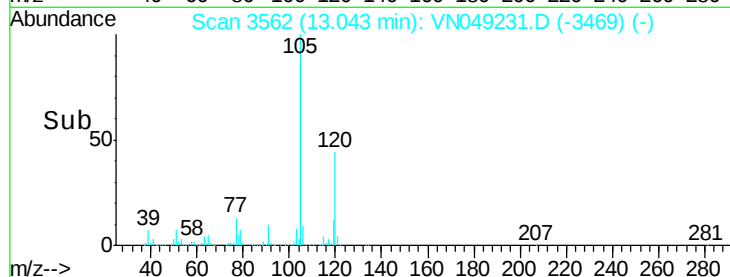
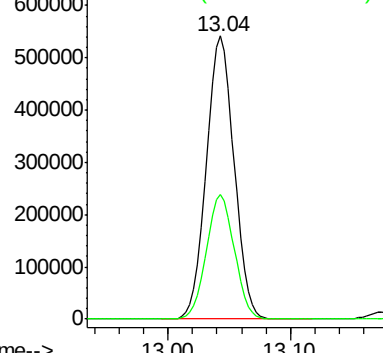
105 100

120 44.2 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 21.06 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN049231.D

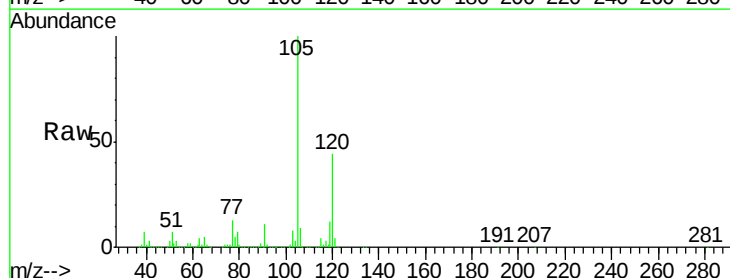
Acq: 14 Jun 2018 16:42

Tgt Ion:105 Resp: 854369

Ion Ratio Lower Upper

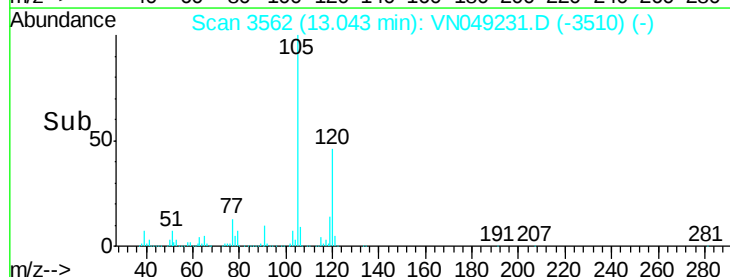
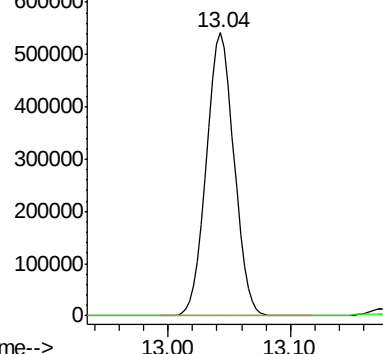
105 100

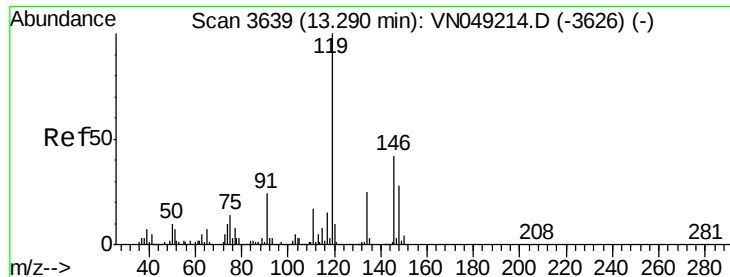
134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

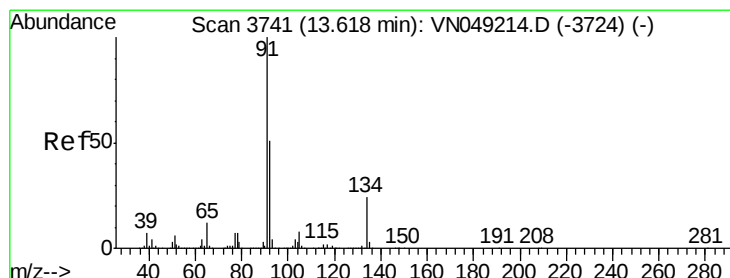
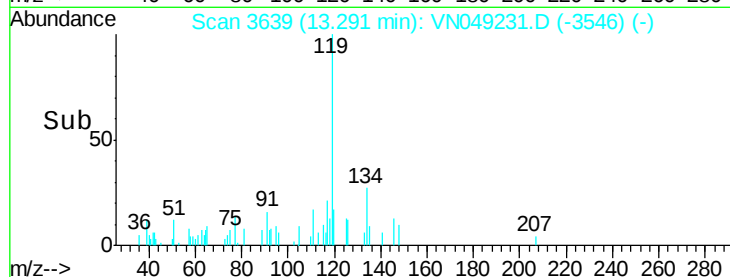
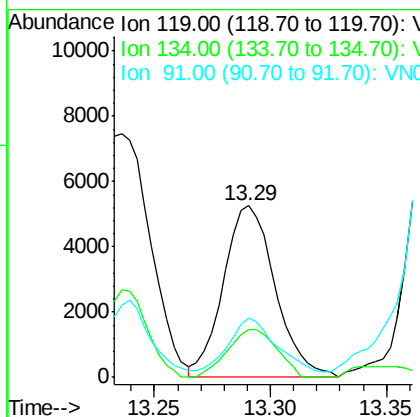
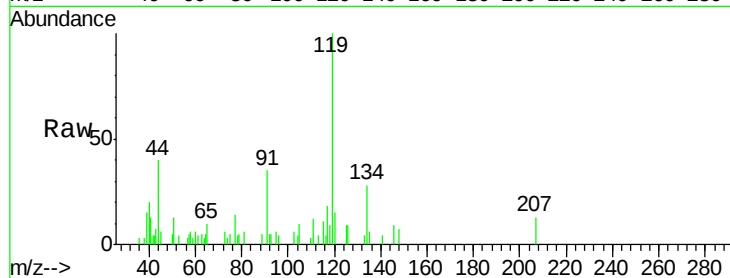




#86
 p-Isopropyltoluene
 Concen: 0.25 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

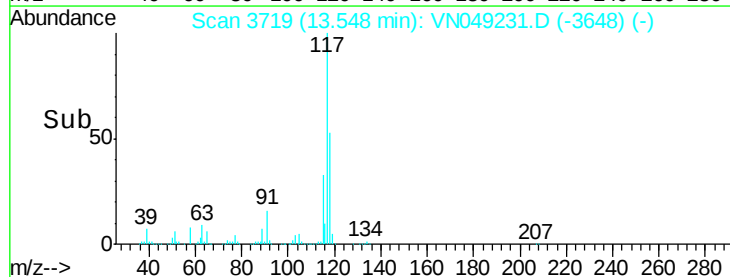
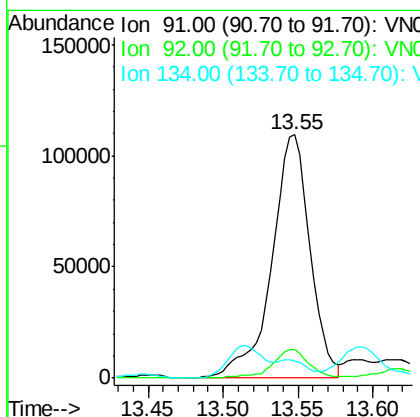
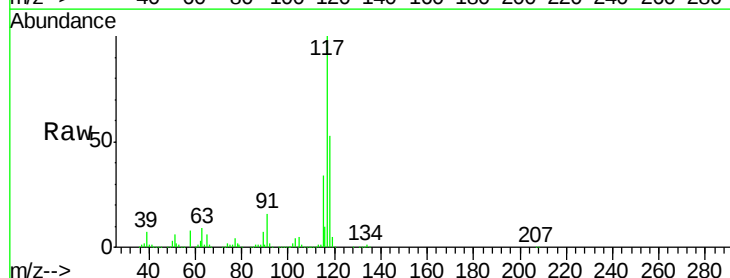
Instrument :
 MSVOA_N
 ClientSampleId :

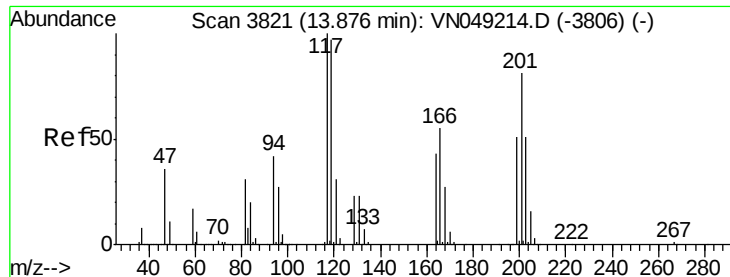
Tot Ion:119 Resp: 8177
 Ion Ratio Lower Upper
 119 100
 134 26.4 12.9 38.6
 91 0.0 12.1 36.3#



#89
 n-Butylbenzene
 Concen: 8.12 ug/l
 RT: 13.55 min Scan# 3719
 Delta R.T. -0.07 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

Tgt Ion: 91 Resp: 194879
 Ion Ratio Lower Upper
 91 100
 92 11.5 25.1 75.4#
 134 0.0 12.0 36.0#





#90

Hexachloroethane

Concen: 0.84 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

Instrument :

MSVOA_N

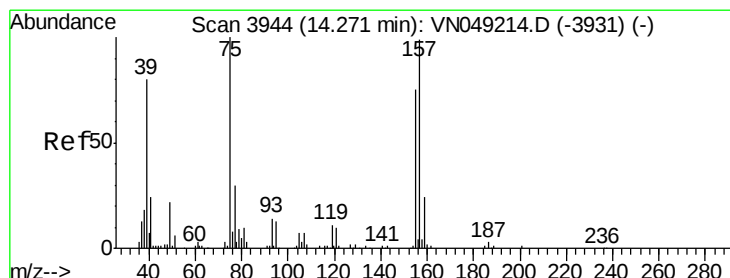
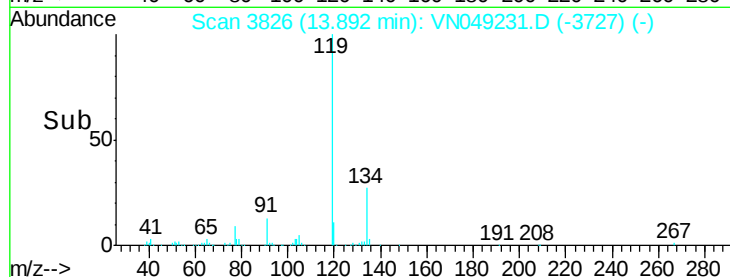
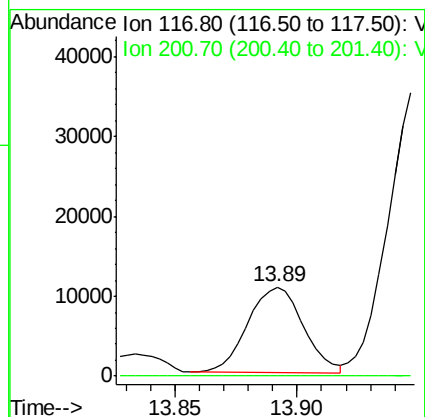
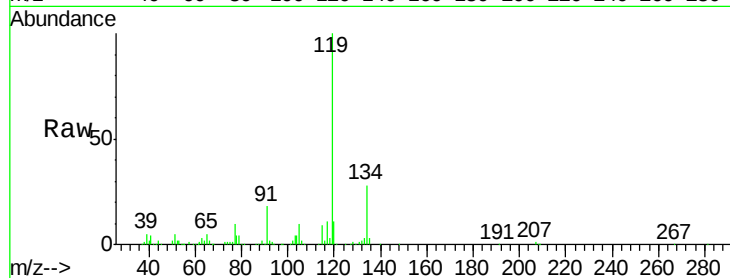
ClientSampleId :

Tot Ion:117 Resp: 16889

Ion Ratio Lower Upper

117 100

201 0.0 40.1 120.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.51 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. -0.03 min

Lab File: VN049231.D

Acq: 14 Jun 2018 16:42

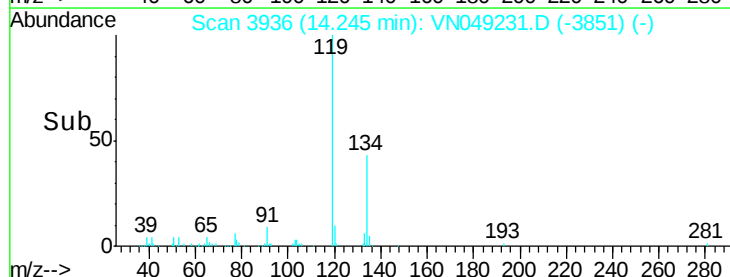
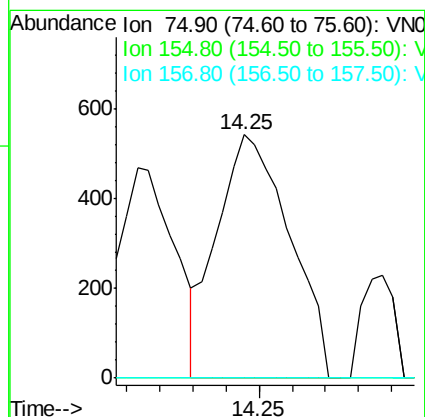
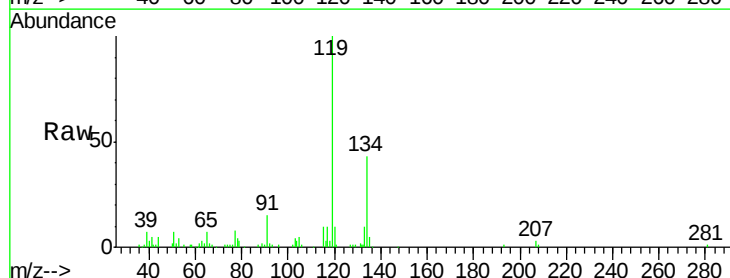
Tgt Ion: 75 Resp: 825

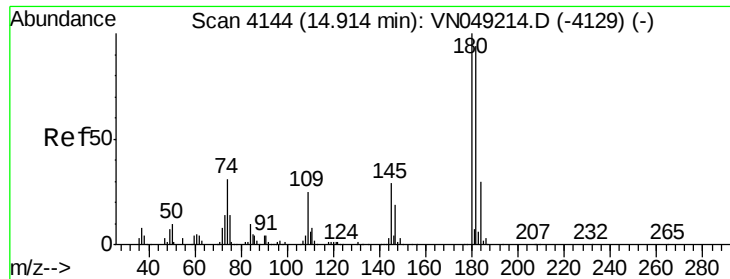
Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

157 0.0 51.0 153.1#

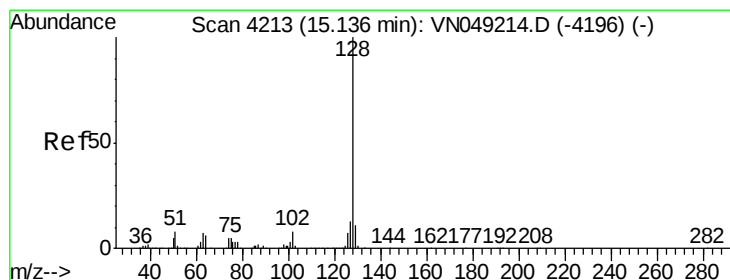
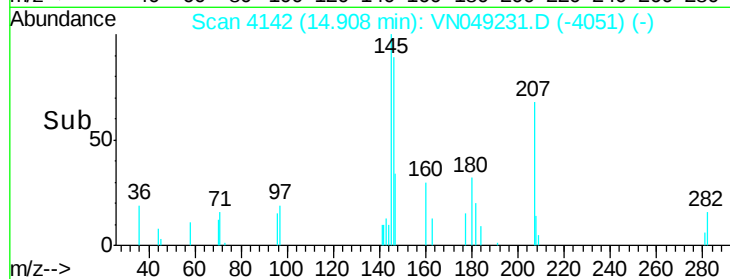
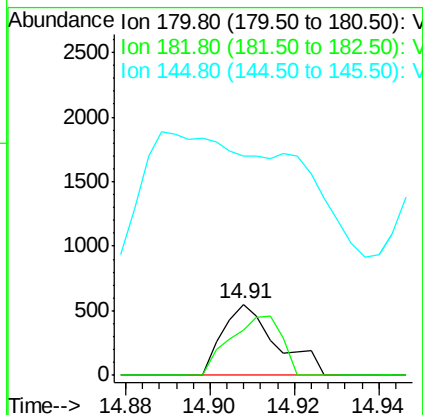
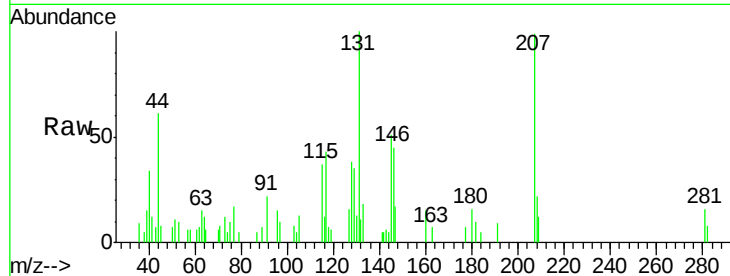




#93
 1,2,4-Trichlorobenzene
 Concen: 4.44 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. -0.01 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 484
 Ion Ratio Lower Upper
 180 100
 182 81.0 46.9 140.8
 145 0.0 14.7 44.1#



#95
 Naphthalene
 Concen: 14.40 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049231.D
 Acq: 14 Jun 2018 16:42

Tgt Ion:128 Resp: 167907
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.6 16.0
 129 11.8 8.5 12.7

