

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049224.D
 Acq On : 14 Jun 2018 13:41
 Operator : MD\SY
 Sample : J3435-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:01:58 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	587468	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1123775	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1182809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	486815	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	397755	41.93	ug/l	0.00
Spiked Amount			Recovery	=	83.86%	
35) Dibromofluoromethane	7.59	113	356799	38.36	ug/l	0.00
Spiked Amount			Recovery	=	76.72%	
50) Toluene-d8	10.09	98	1397262	38.62	ug/l	0.00
Spiked Amount			Recovery	=	77.24%	
62) 4-Bromofluorobenzene	12.40	95	523352	43.58	ug/l	0.00
Spiked Amount			Recovery	=	87.16%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2283	0.26	ug/l	98
5) Bromomethane	2.58	94	2775	0.33	ug/l	82
11) Tert butyl alcohol	4.80	59	351	0.68	ug/l #	70
13) Acrolein	3.62	56	230	0.33	ug/l #	14
15) Acrylonitrile	5.01	53	898	0.32	ug/l #	32
16) Acetone	3.82	43	52008	22.95	ug/l	97
17) Carbon Disulfide	4.05	76	21846	0.87	ug/l	98
18) Methyl Acetate	4.33	43	13814	Below	Cal	96
25) 2-Butanone	6.85	43	34010	10.48	ug/l	92
26) 2,2-Dichloropropane	6.63	77	6931	0.56	ug/l #	54
31) Cyclohexane	7.65	56	150037	10.34	ug/l #	95
36) 1,1-Dichloropropene	7.67	75	45767	3.26	ug/l #	49
37) Ethyl Acetate	6.85	43	34010	3.84	ug/l #	70
38) Carbon Tetrachloride	7.66	117	58309	4.12	ug/l #	18
39) Methylcyclohexane	9.08	83	382055	26.34	ug/l	99
43) Isopropyl Acetate	8.16	43	16475	1.01	ug/l #	64
47) Bromodichloromethane	9.39	83	4073	0.28	ug/l #	26
48) Methyl methacrylate	9.27	41	34470	4.33	ug/l #	49
49) 1,4-Dioxane	9.18	88	30	0.32	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	4778	0.55	ug/l	95
55) 1,1,2-Trichloroethane	10.53	97	31724	3.49	ug/l #	18
56) Ethyl methacrylate	10.43	69	4508	0.41	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.61	63	1188	13.45	ug/l #	51
59) 2-Hexanone	10.76	43	4825	0.89	ug/l	92
67) Ethyl Benzene	11.51	91	80563	1.53	ug/l	99
68) m/p-Xylenes	11.63	106	32953	1.71	ug/l	97
69) o-Xylene	11.95	106	4567	0.25	ug/l	80
71) Bromoform	12.40	173	4284	0.59	ug/l #	1
73) Isopropylbenzene	12.25	105	89248	1.91	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	606	Below	Cal #	53
76) 1,2,3-Trichloropropane	12.40	75	271384	32.88	ug/l #	100
77) Bromobenzene	12.52	156	472	Below	Cal #	1
78) n-propylbenzene	12.59	91	992500	19.11	ug/l	98
79) 2-Chlorotoluene	12.69	91	69960	2.14	ug/l #	42

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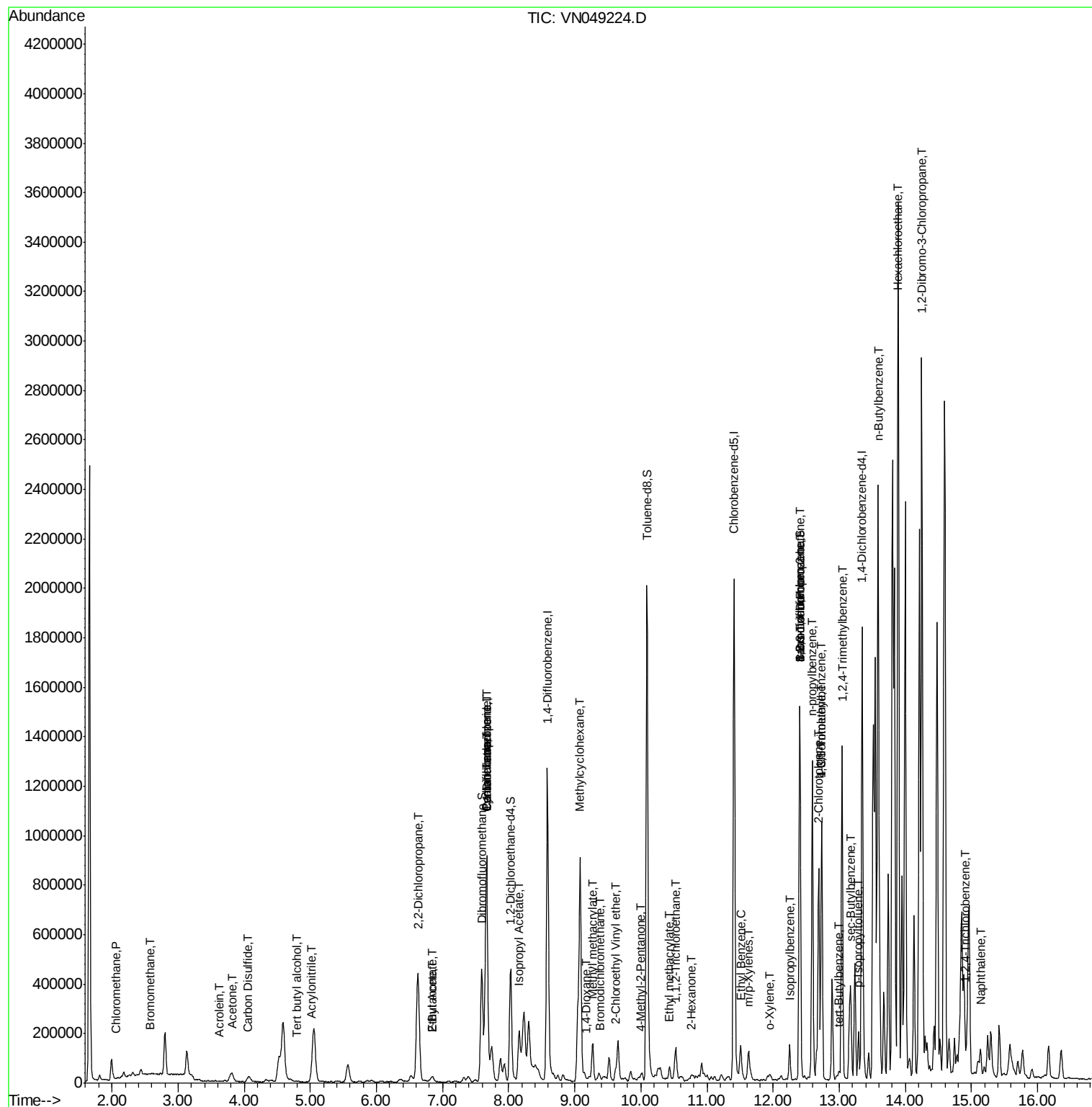
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	561302	15.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	271384	93.14	ug/l #	9
82) 4-Chlorotoluene	12.73	91	56565	1.82	ug/l #	42
83) tert-Butylbenzene	13.00	119	16807	0.54	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	744414	20.89	ug/l	99
85) sec-Butylbenzene	13.17	105	219013	5.32	ug/l #	66
86) p-Isopropyltoluene	13.29	119	104412	3.13	ug/l	99
89) n-Butylbenzene	13.59	91	190998	7.90	ug/l #	1
90) Hexachloroethane	13.89	117	181735	26.14	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	10903	6.70	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	1274	4.53	ug/l #	1
95) Naphthalene	15.14	128	91188	10.22	ug/l	98

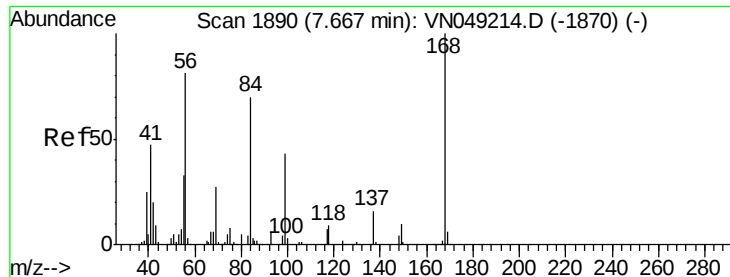
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampled :

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Quant Title : SW846 8260
QLast Update : Thu Jun 14 05:15:23 2018
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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: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

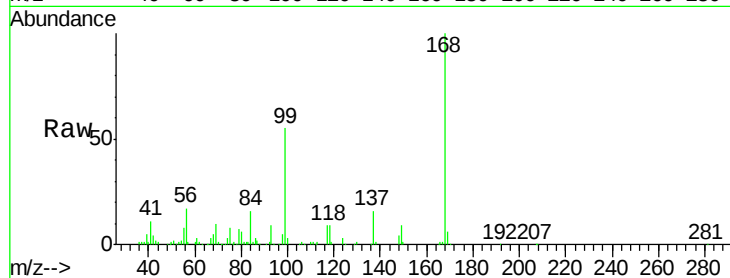
ClientSampleId :

Tot Ion:168 Resp: 587468

Ion Ratio Lower Upper

168 100

99 55.3 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

100000

50000

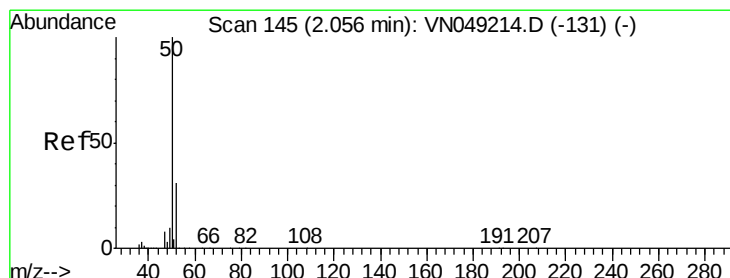
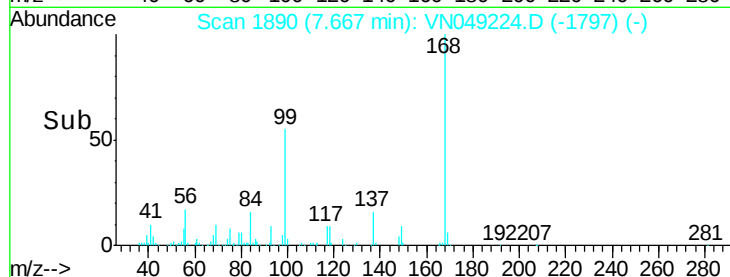
0

Time-->

7.60

7.70

7.80



#3

Chloromethane

Concen: 0.26 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049224.D

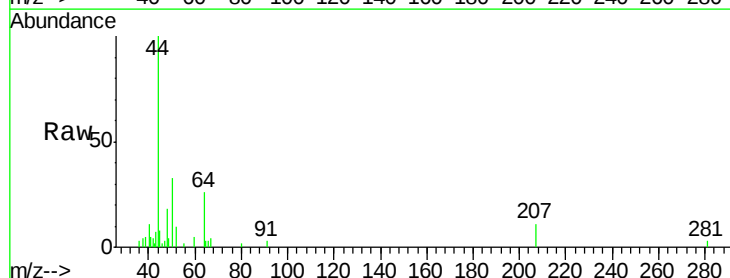
Acq: 14 Jun 2018 13:41

Tgt Ion: 50 Resp: 2283

Ion Ratio Lower Upper

50 100

52 32.6 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2500

2000

1500

1000

500

0

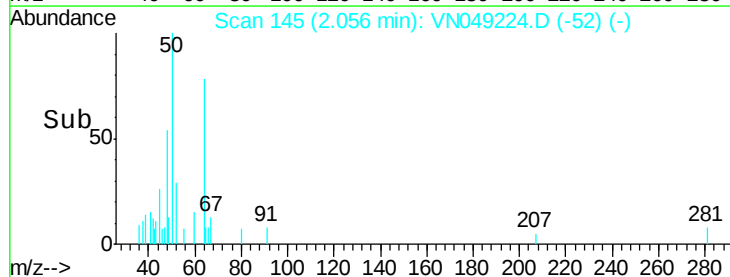
Time-->

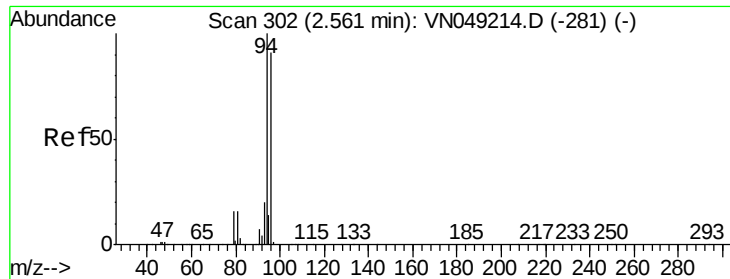
2.02

2.04

2.06

2.08





#5

Bromomethane

Concen: 0.33 ug/l

RT: 2.58 min Scan# 308

Delta R.T. 0.02 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

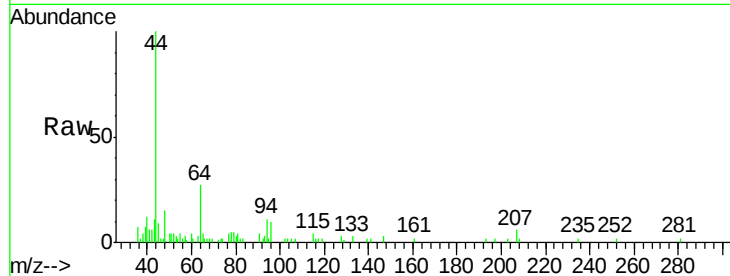
ClientSampleId :

Tot Ion: 94 Resp: 2775

Ion Ratio Lower Upper

94 100

96 73.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

1500

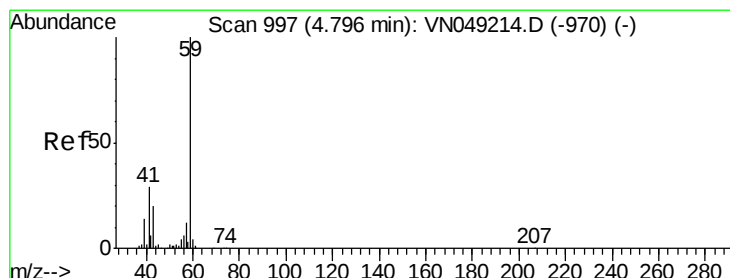
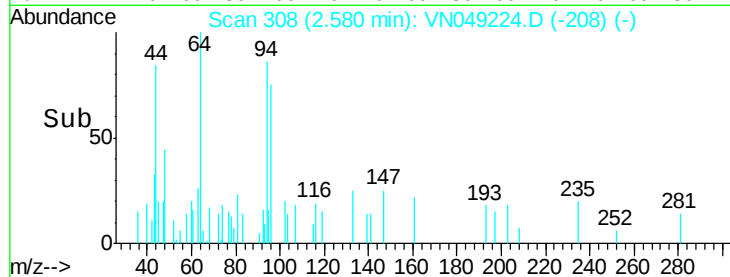
1000

500

0

2.55 2.58 2.60

Time-->



#11

Tert butyl alcohol

Concen: 0.68 ug/l

RT: 4.80 min Scan# 997

Delta R.T. 0.00 min

Lab File: VN049224.D

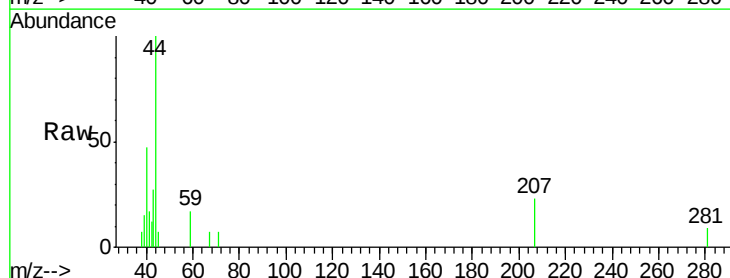
Acq: 14 Jun 2018 13:41

Tgt Ion: 59 Resp: 351

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

400

300

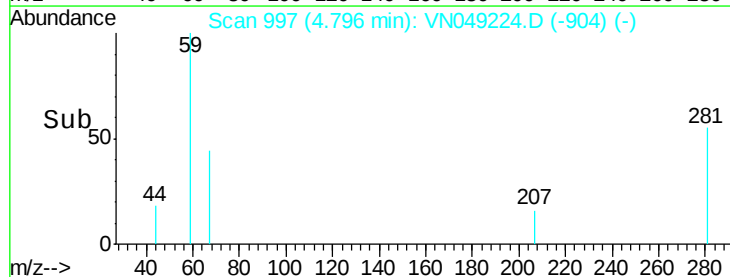
200

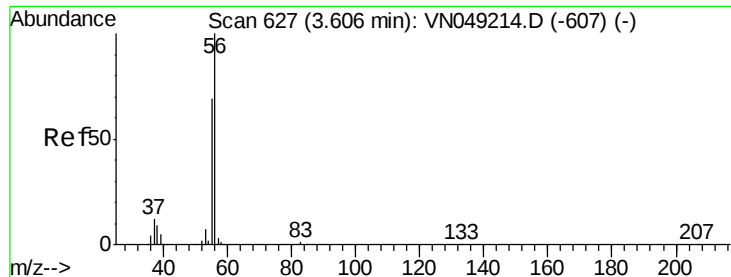
100

0

4.78 4.80 4.82

Time-->





#13

Acrolein

Concen: 0.33 ug/l

RT: 3.62 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

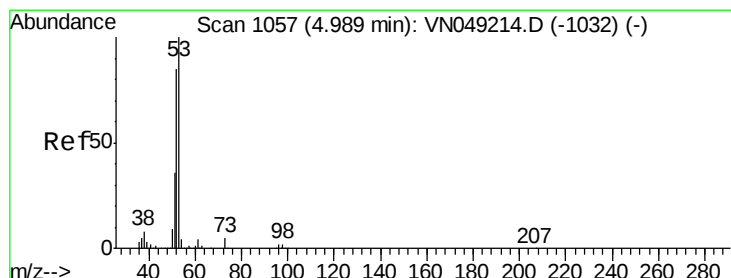
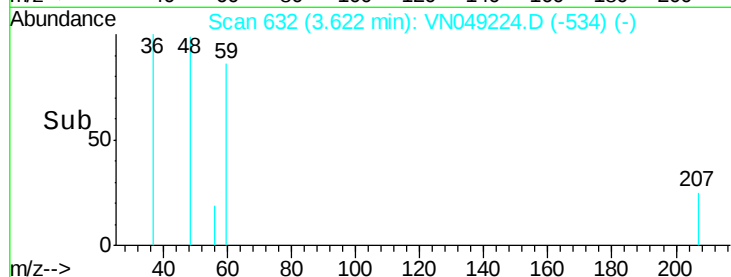
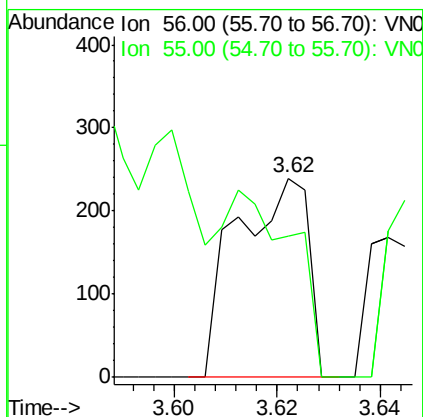
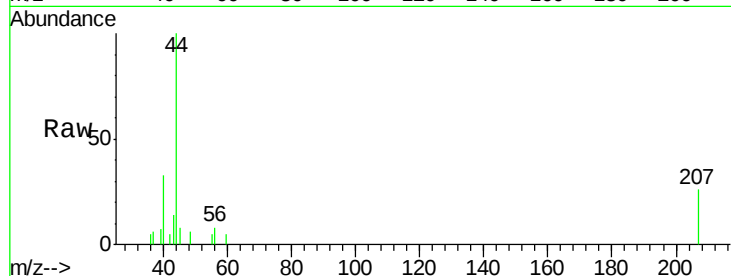
ClientSampleId :

Tot Ion: 56 Resp: 230

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



#15

Acrylonitrile

Concen: 0.32 ug/l

RT: 5.01 min Scan# 1063

Delta R.T. 0.02 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

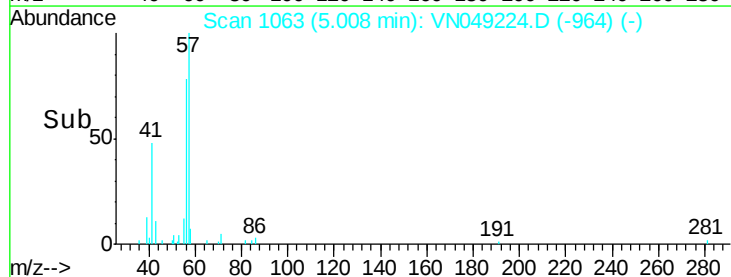
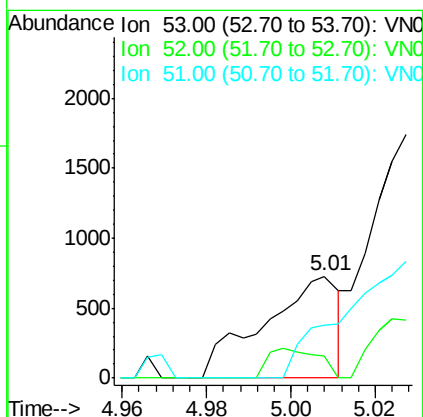
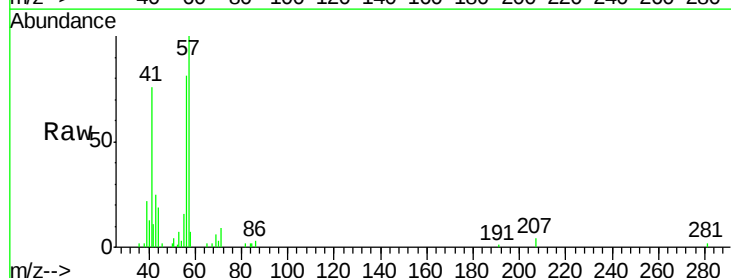
Tgt Ion: 53 Resp: 898

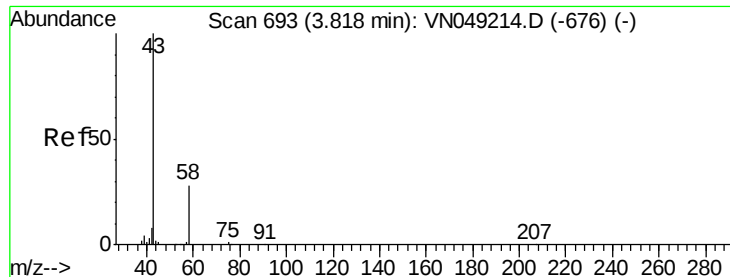
Ion Ratio Lower Upper

53 100

52 19.4 66.6 100.0#

51 0.0 29.8 44.8#





#16

Acetone

Concen: 22.95 ug/l

RT: 3.82 min Scan# 693

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

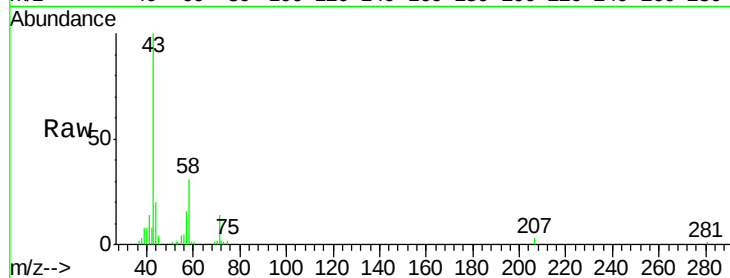
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 52008

Ion Ratio Lower Upper

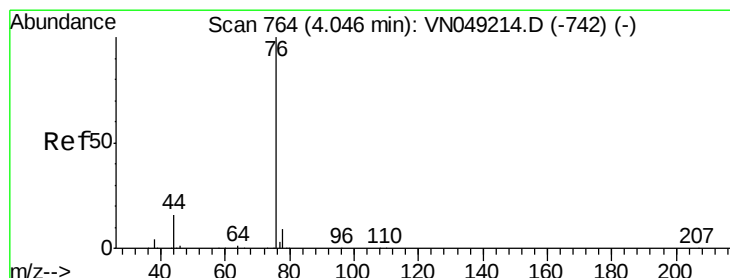
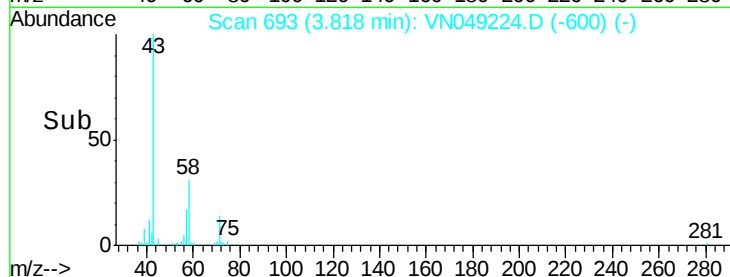
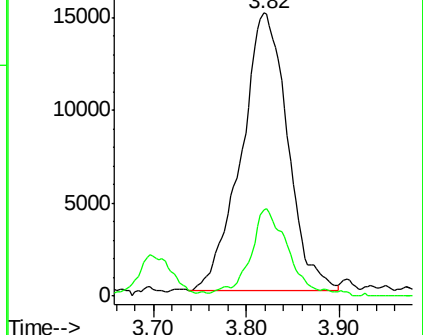
43 100

58 29.5 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN049224.D (-600) (-)

Ion 58.00 (57.70 to 58.70): VN049224.D (-600) (-)



#17

Carbon Disulfide

Concen: 0.87 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049224.D

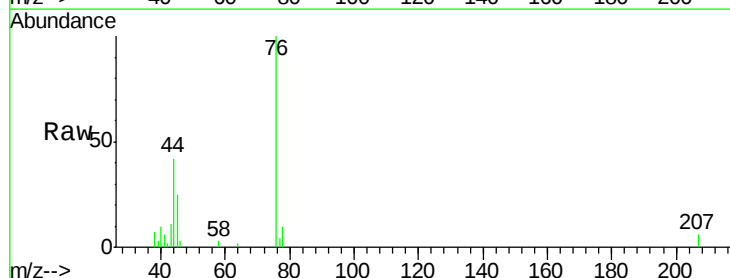
Acq: 14 Jun 2018 13:41

Tgt Ion: 76 Resp: 21846

Ion Ratio Lower Upper

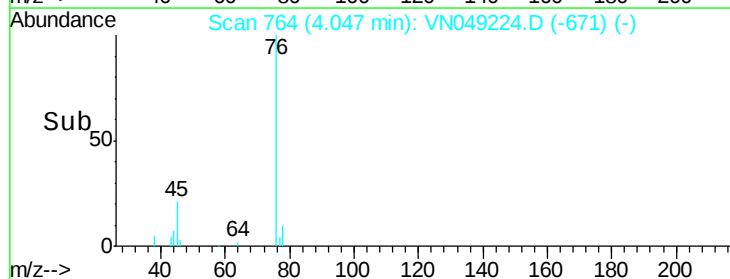
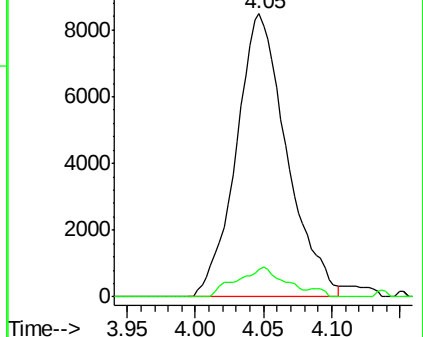
76 100

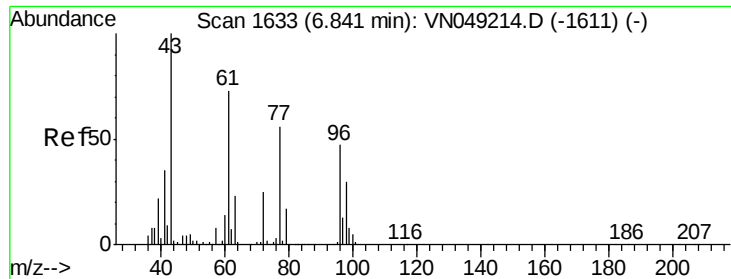
78 9.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN049224.D (-671) (-)

Ion 77.90 (77.60 to 78.60): VN049224.D (-671) (-)

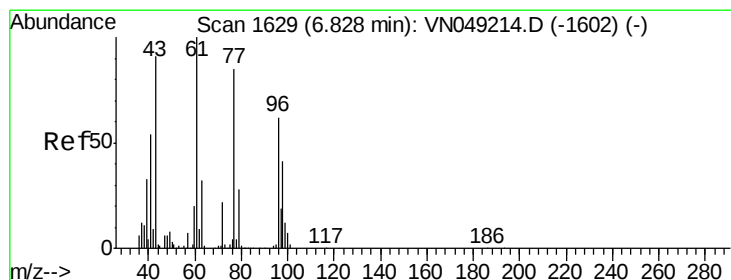
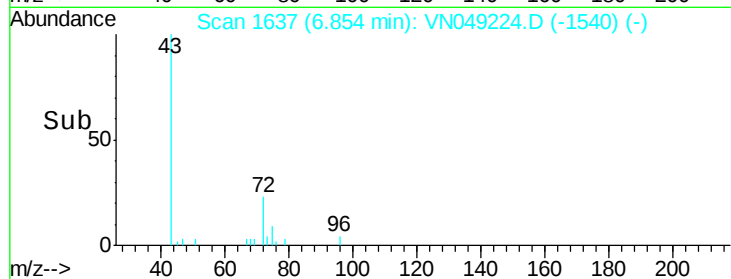
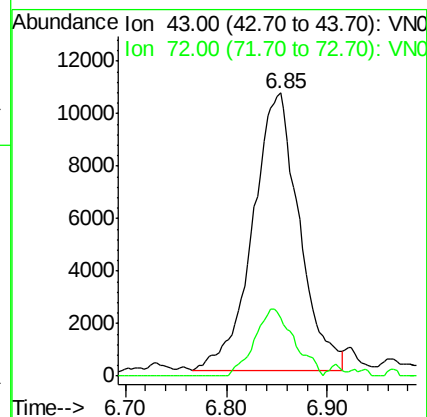
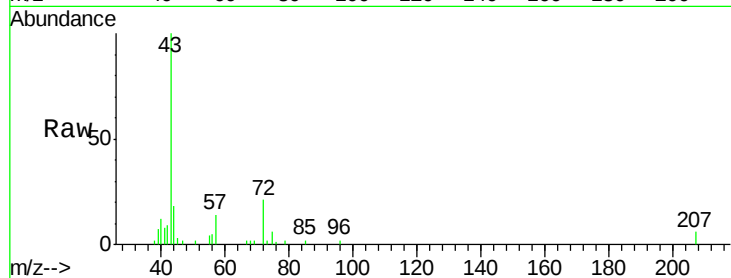




#25
2-Butanone
Concen: 10.48 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

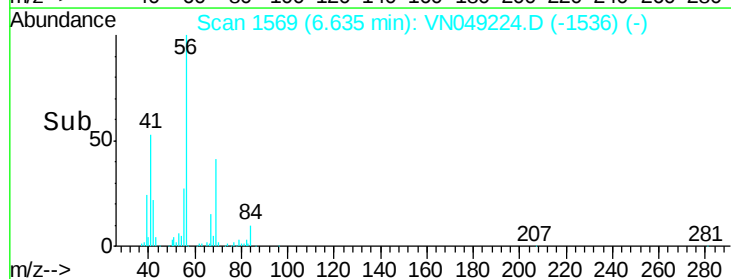
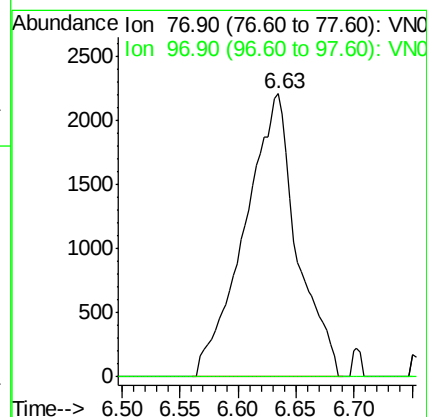
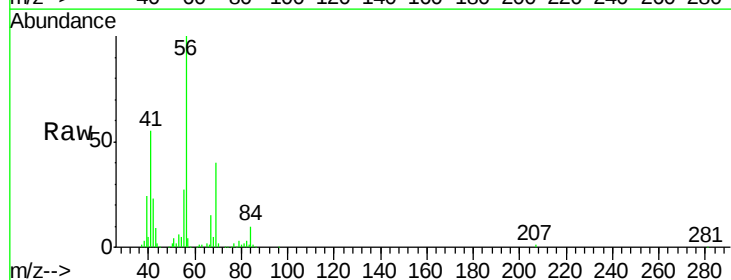
Instrument :
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ClientSampled :

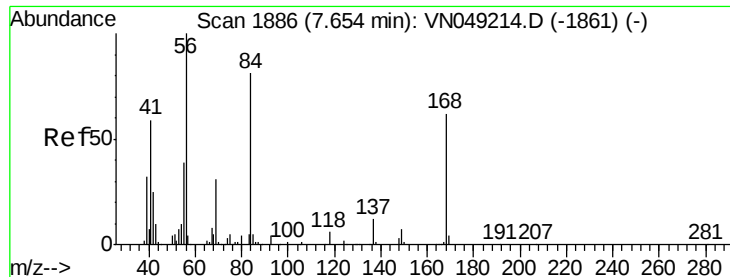
Tot Ion: 43 Resp: 34010
Ion Ratio Lower Upper
43 100
72 20.9 20.2 30.2



#26
2,2-Dichloropropane
Concen: 0.56 ug/l
RT: 6.63 min Scan# 1569
Delta R.T. -0.19 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion: 77 Resp: 6931
Ion Ratio Lower Upper
77 100
97 0.0 11.0 33.0#

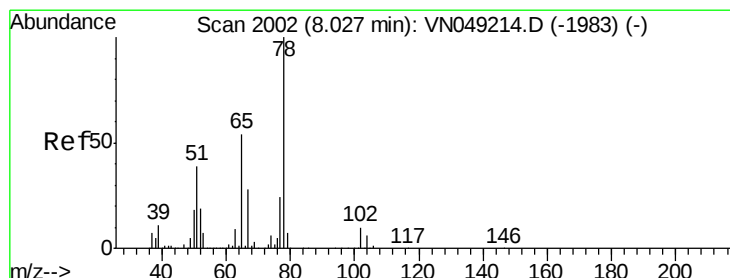
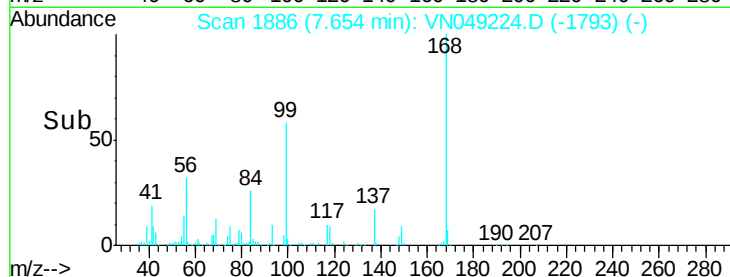
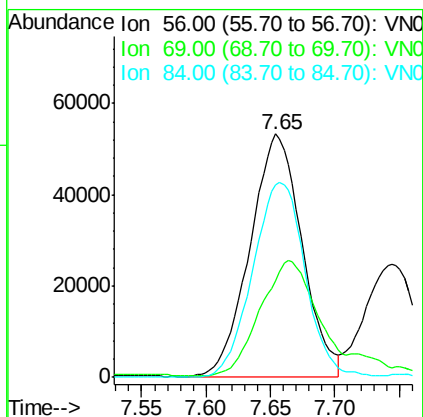
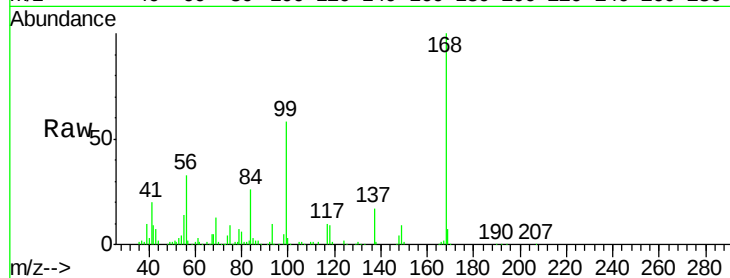




#31
Cyclohexane
Concen: 10.34 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

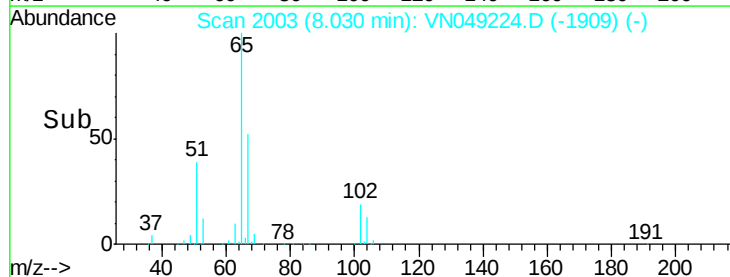
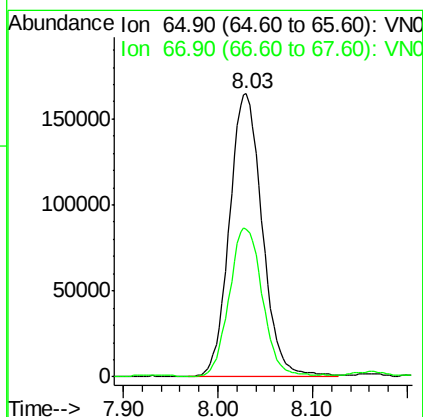
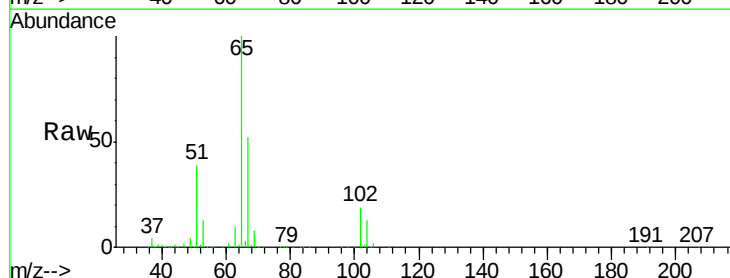
Instrument :
MSVOA_N
ClientSampled :

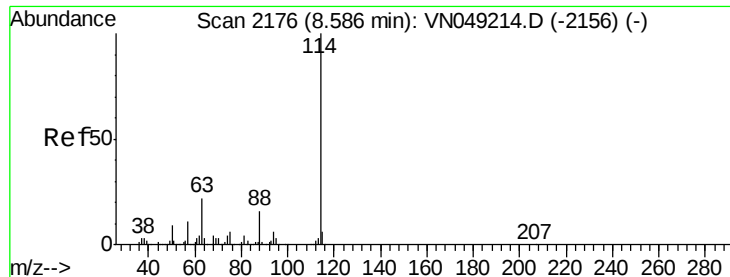
Tot Ion: 56 Resp: 150037
Ion Ratio Lower Upper
56 100
69 39.0 25.0 37.4#
84 79.1 64.6 96.8



#33
1,2-Dichloroethane-d4
Concen: 41.93 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion: 65 Resp: 397755
Ion Ratio Lower Upper
65 100
67 52.8 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: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampleId :

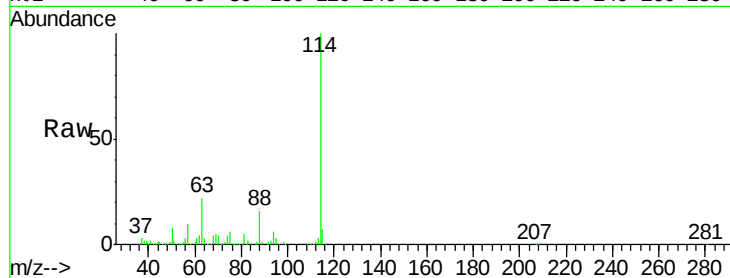
Tot Ion:114 Resp: 1123775

Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.4

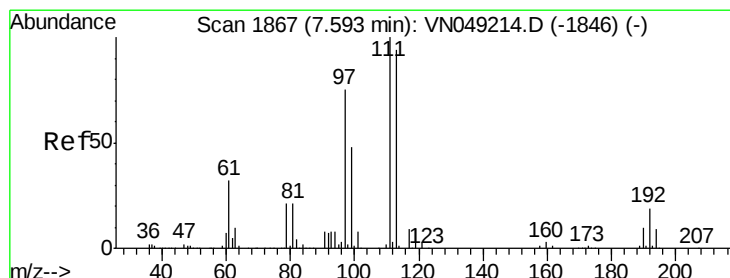
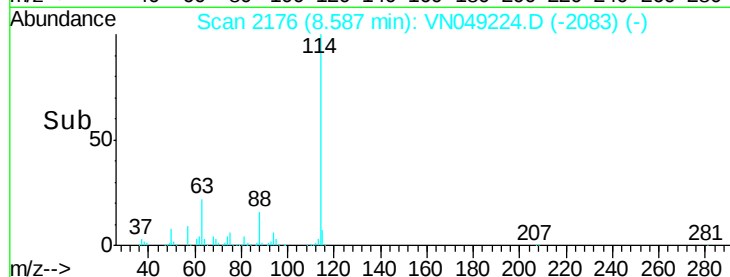
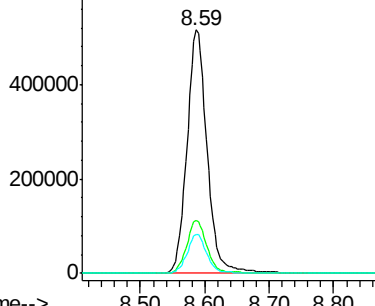
88 16.1 0.0 31.4



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: 38.36 ug/l

RT: 7.59 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

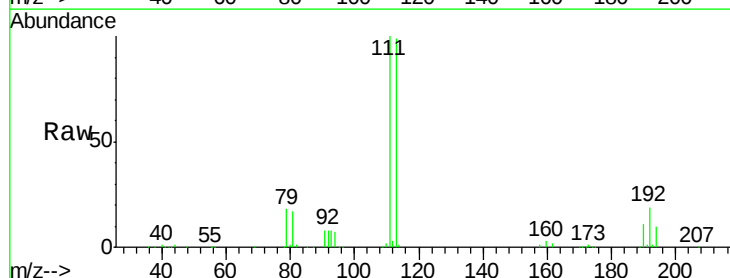
Tgt Ion:113 Resp: 356799

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

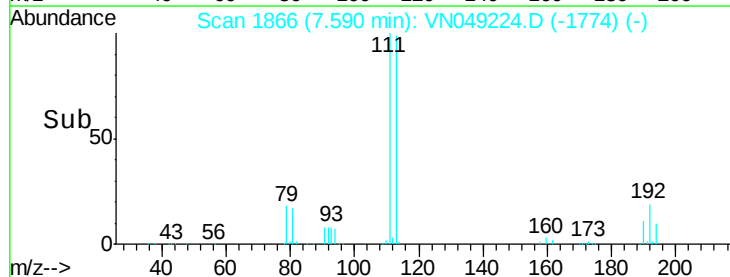
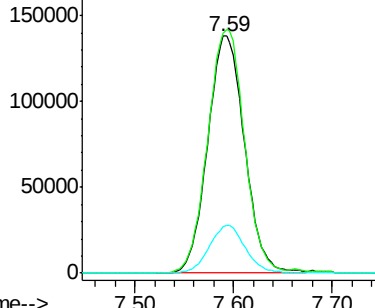
192 19.8 15.0 22.6

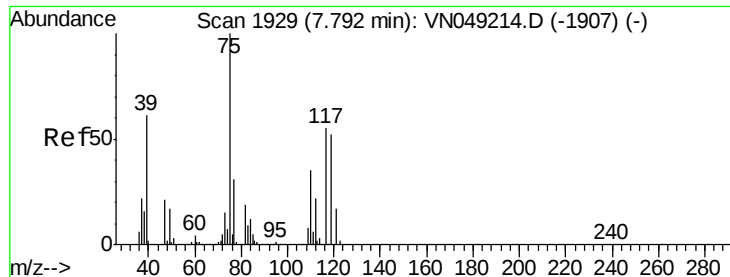


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

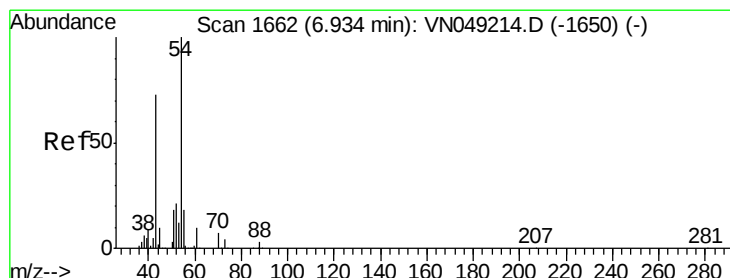
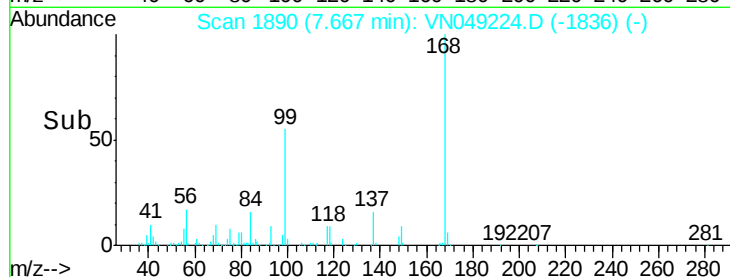
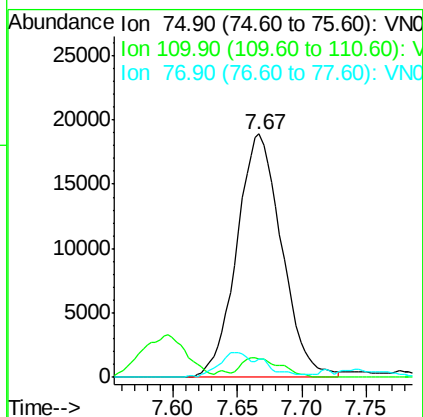
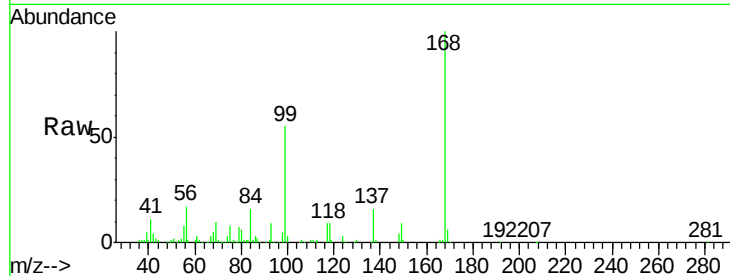




#36
 1,1-Dichloropropene
 Concen: 3.26 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

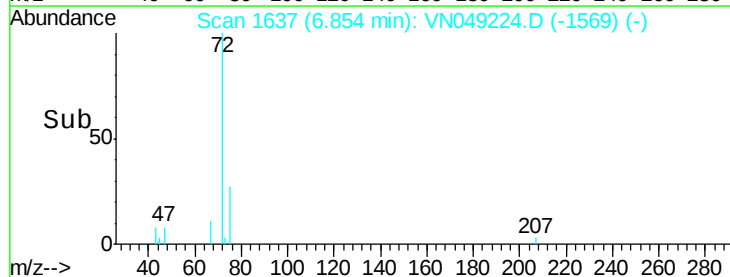
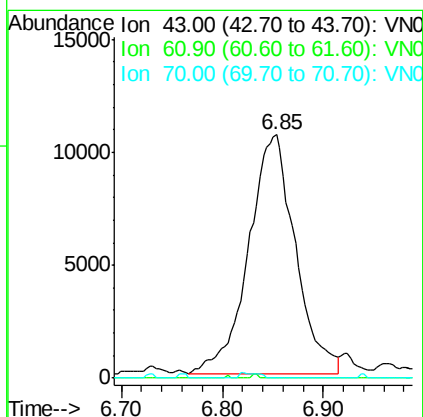
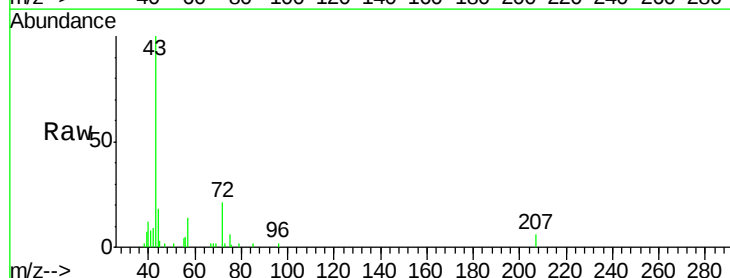
Instrument :
 MSVOA_N
 ClientSampleId :

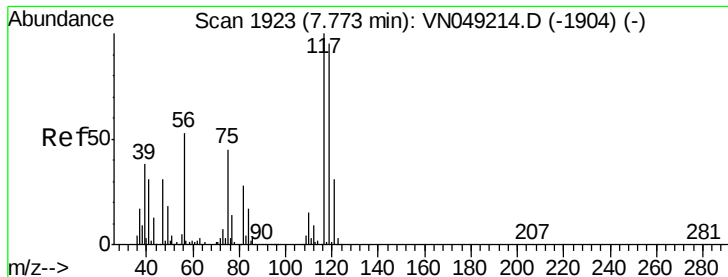
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.2	17.0	50.9#
77	0.0	24.4	36.6#



#37
 Ethyl Acetate
 Concen: 3.84 ug/l
 RT: 6.85 min Scan# 1637
 Delta R.T. -0.08 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

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





#38

Carbon Tetrachloride

Concen: 4.12 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.11 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampleId :

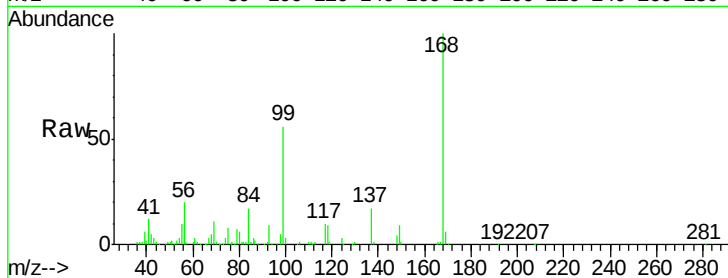
Tot Ion:117 Resp: 58309

Ion Ratio Lower Upper

117 100

119 6.9 75.6 113.4#

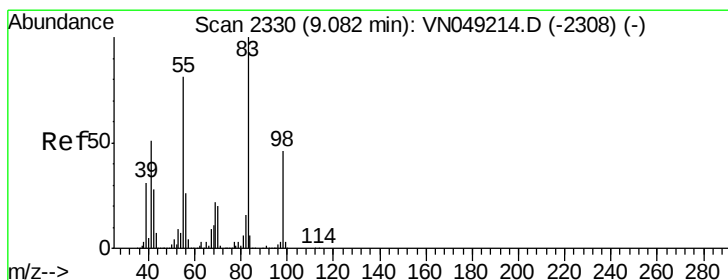
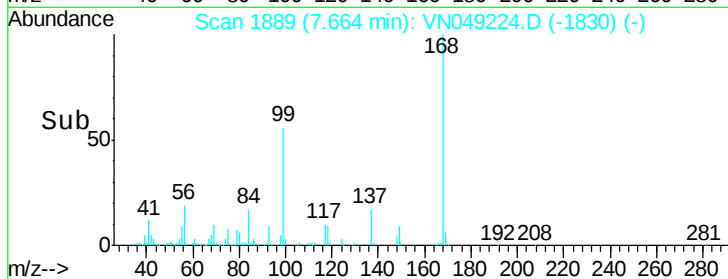
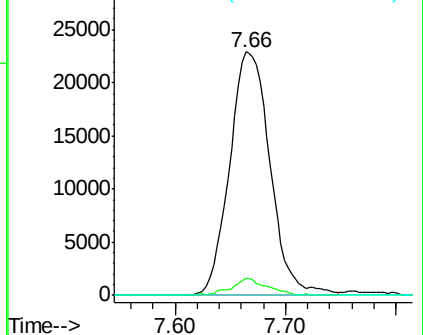
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 26.34 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

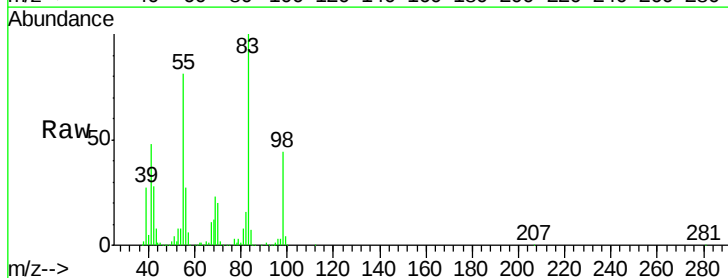
Tgt Ion: 83 Resp: 382055

Ion Ratio Lower Upper

83 100

55 81.4 65.1 97.7

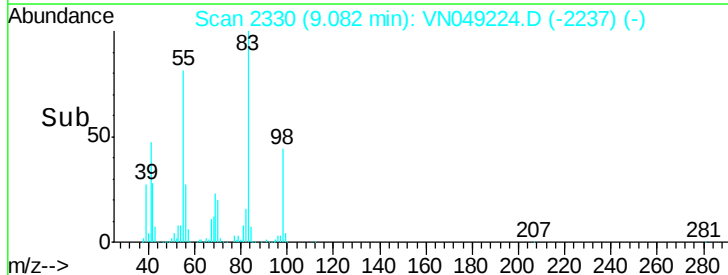
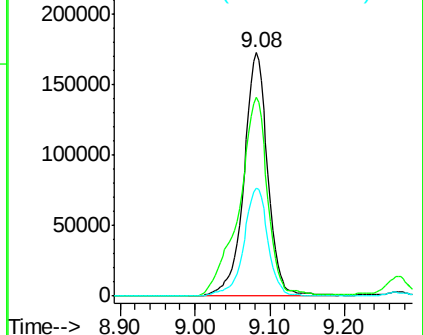
98 44.2 36.5 54.7

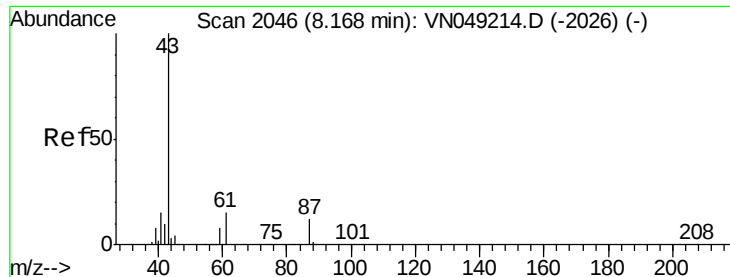


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#43

Isopropyl Acetate

Concen: 1.01 ug/l

RT: 8.16 min Scan# 2042

Delta R.T. -0.01 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :
MSVOA_N
ClientSampleId :

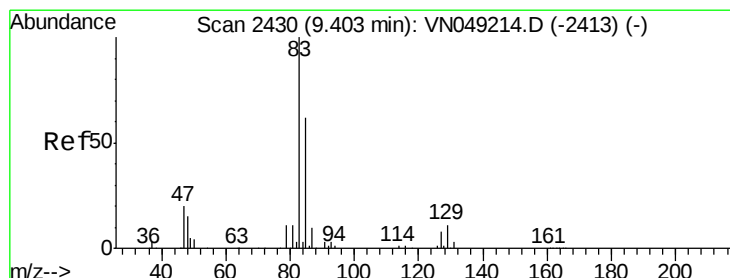
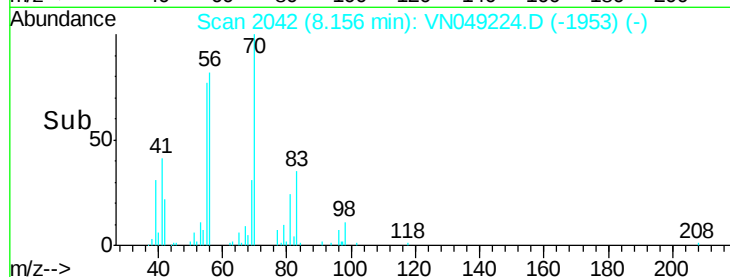
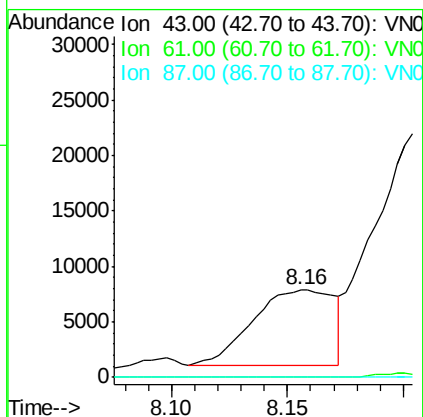
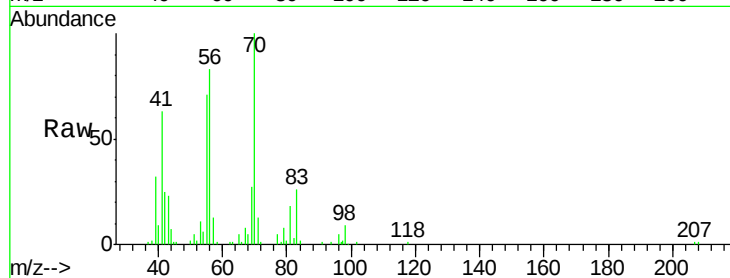
Tot Ion: 43 Resp: 16475

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#



#47

Bromodichloromethane

Concen: 0.28 ug/l

RT: 9.39 min Scan# 2425

Delta R.T. -0.02 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

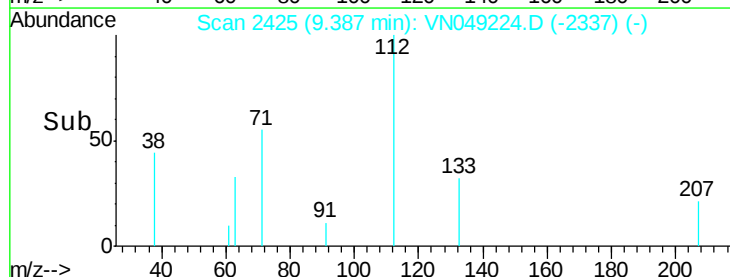
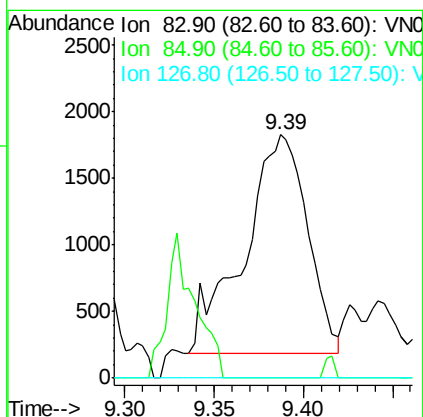
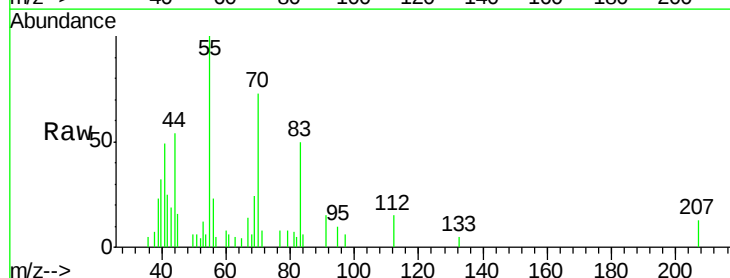
Tgt Ion: 83 Resp: 4073

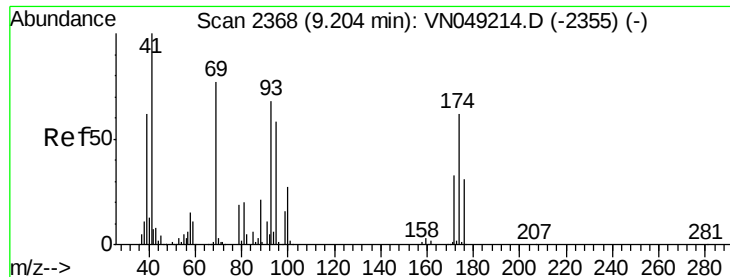
Ion Ratio Lower Upper

83 100

85 0.0 49.4 74.0#

127 0.0 6.3 9.5#

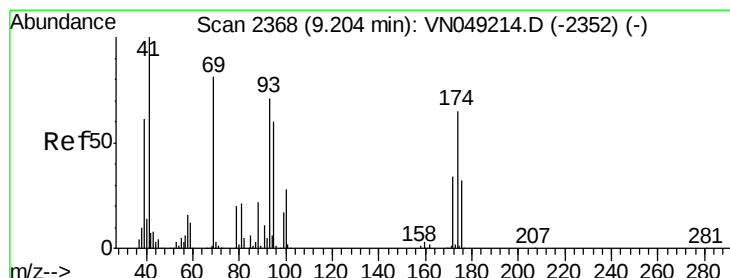
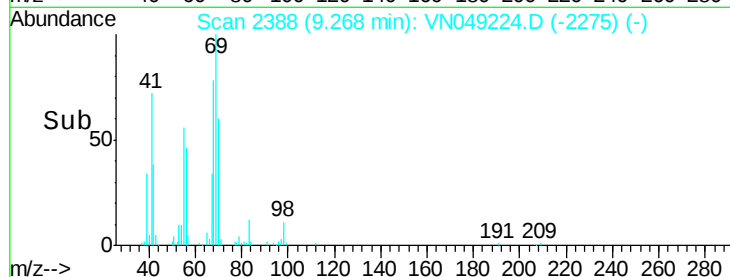
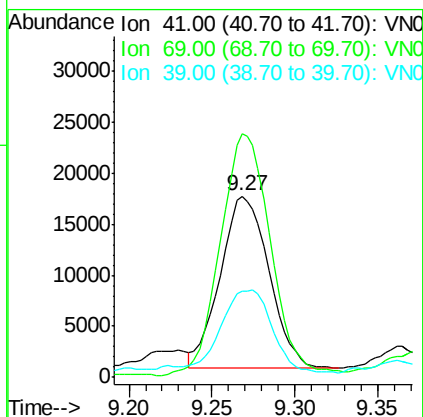
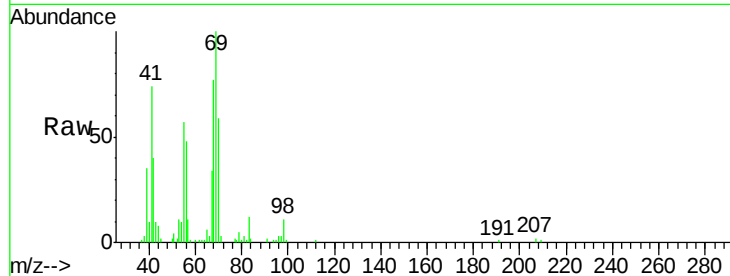




#48
Methyl methacrylate
Concen: 4.33 ug/l
RT: 9.27 min Scan# 2388
Delta R.T. 0.06 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

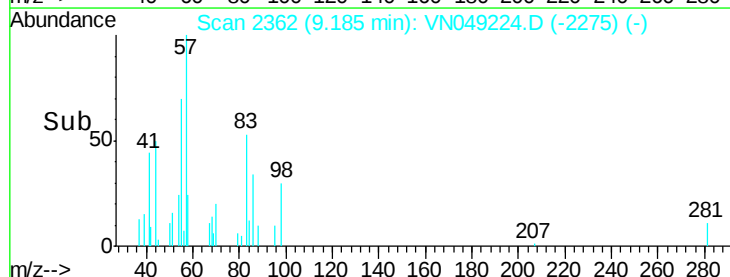
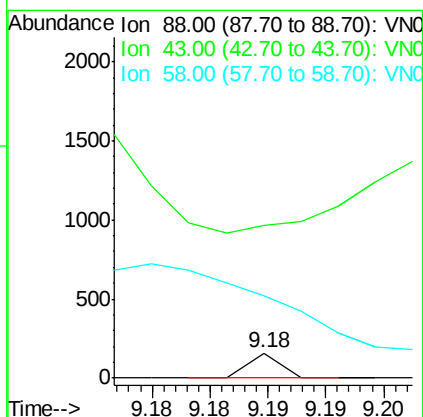
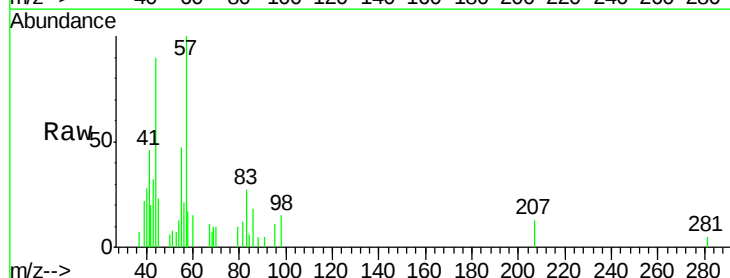
Instrument :
MSVOA_N
ClientSampled :

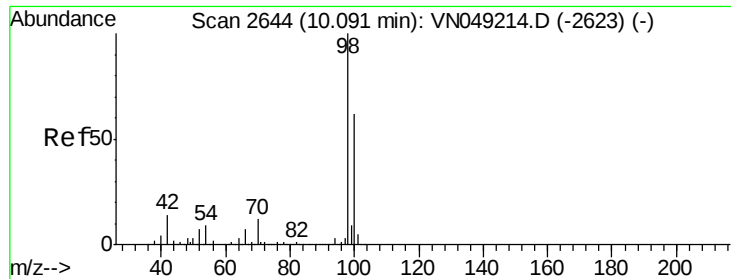
Tot Ion: 41 Resp: 34470
Ion Ratio Lower Upper
41 100
69 145.6 62.0 93.0#
39 49.9 50.6 75.8#



#49
1,4-Dioxane
Concen: 0.32 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion: 88 Resp: 30
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 4133.3 58.9 88.3#





#50

Toluene-d8

Concen: 38.62 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

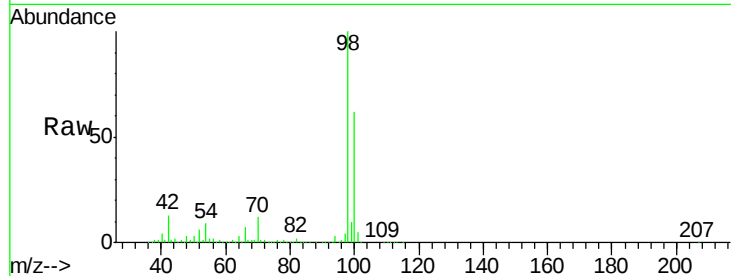
ClientSampled :

Tot Ion: 98 Resp: 1397262

Ion Ratio Lower Upper

98 100

100 62.6 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049214.D (-2623) (-)

Ion 100.00 (99.70 to 100.70): VN049214.D (-2623) (-)

10.09

800000

600000

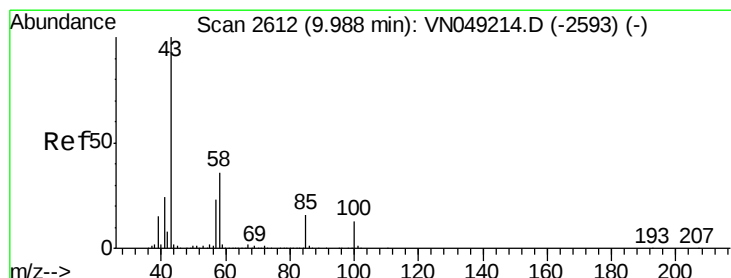
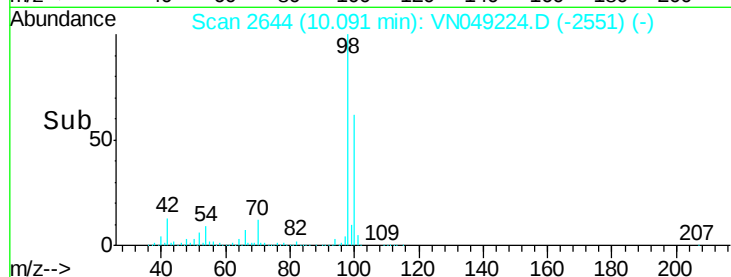
400000

200000

0

10.00 10.10 10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.55 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049224.D

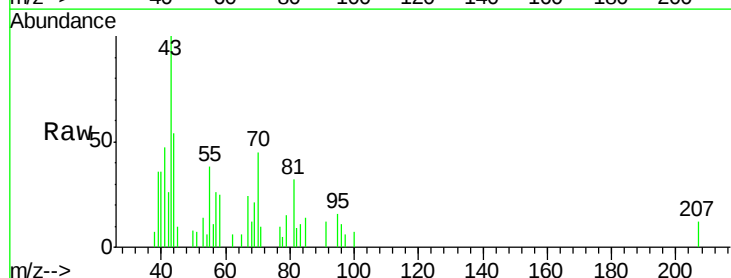
Acq: 14 Jun 2018 13:41

Tgt Ion: 43 Resp: 4778

Ion Ratio Lower Upper

43 100

58 39.2 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049214.D (-2593) (-)

Ion 58.00 (57.70 to 58.70): VN049214.D (-2593) (-)

9.99

3000

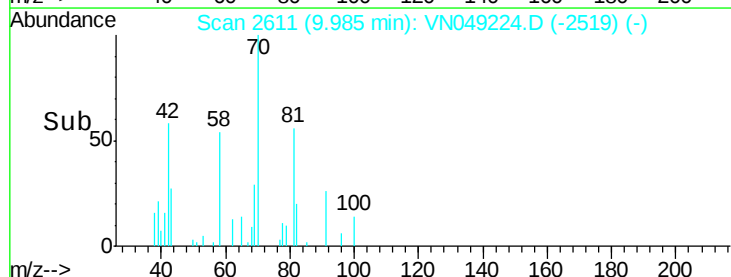
2000

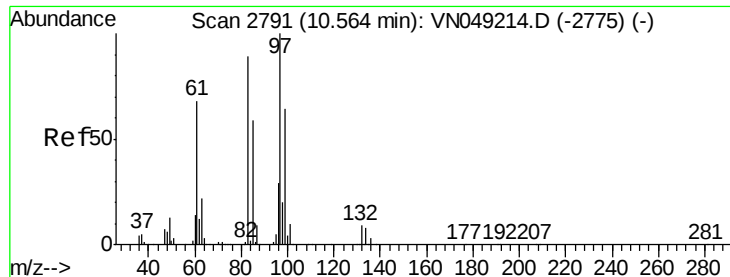
1000

0

9.95 10.00

Time-->

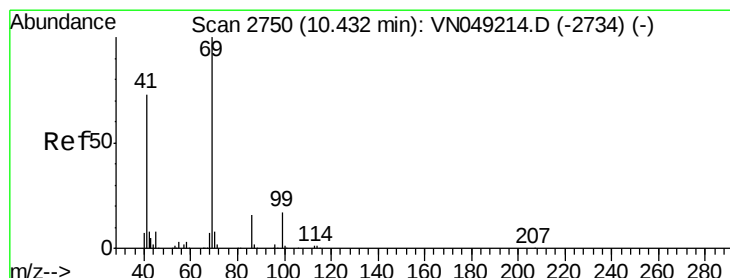
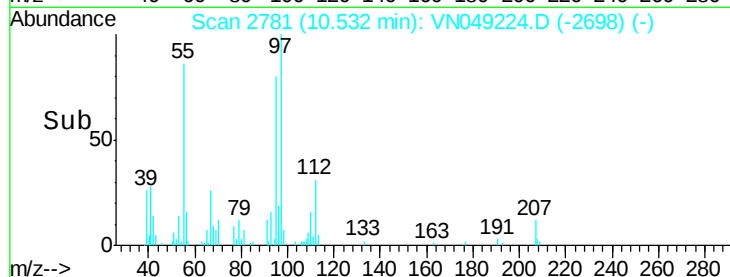
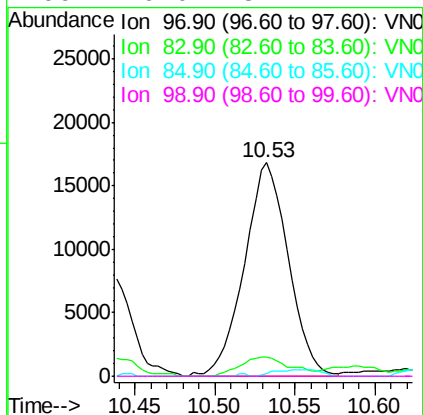
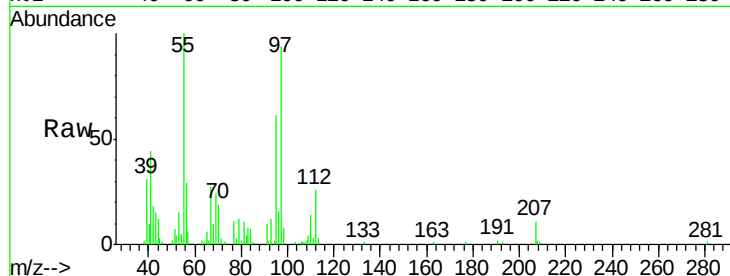




#55
 1,1,2-Trichloroethane
 Concen: 3.49 ug/l
 RT: 10.53 min Scan# 2781
 Delta R.T. -0.03 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

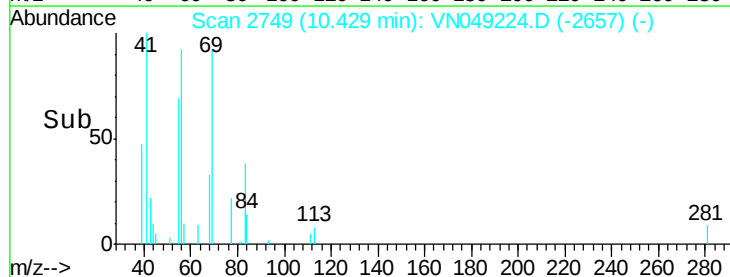
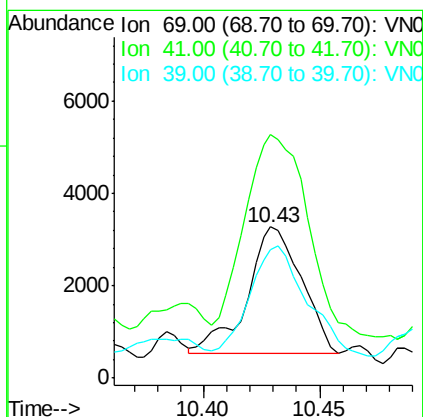
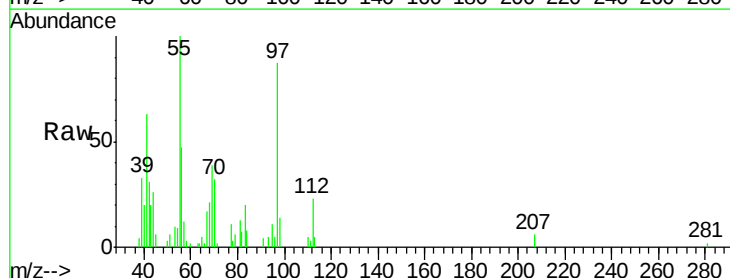
Instrument :
 MSVOA_N
 ClientSampled :

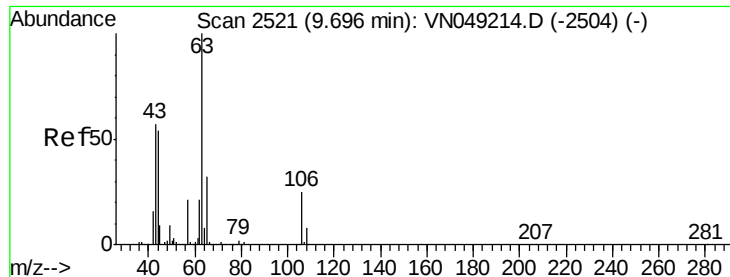
Tot Ion: 97 Resp: 31724
 Ion Ratio Lower Upper
 97 100
 83 8.9 71.5 107.3#
 85 1.4 47.0 70.4#
 99 0.0 51.4 77.2#



#56
 Ethyl methacrylate
 Concen: 0.41 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

Tgt Ion: 69 Resp: 4508
 Ion Ratio Lower Upper
 69 100
 41 187.7 58.4 87.6#
 39 91.1 35.5 53.3#

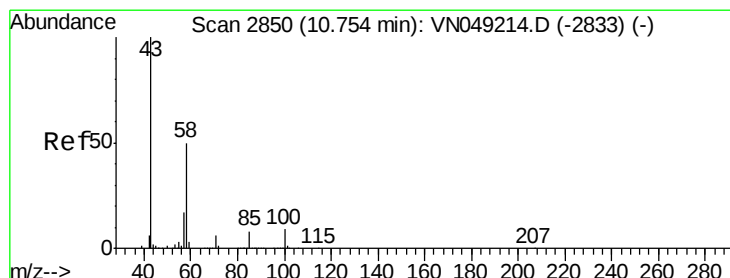
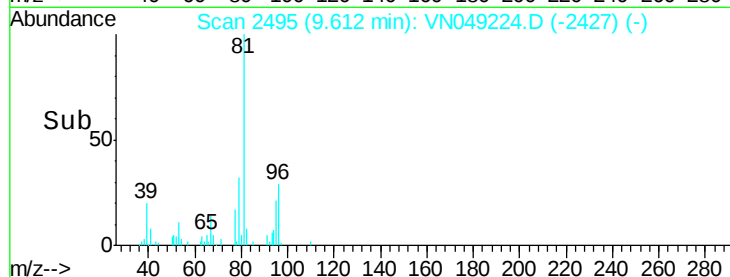
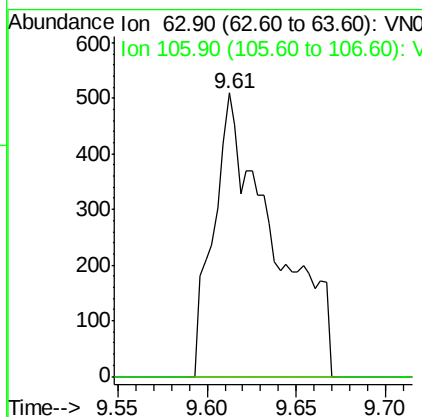
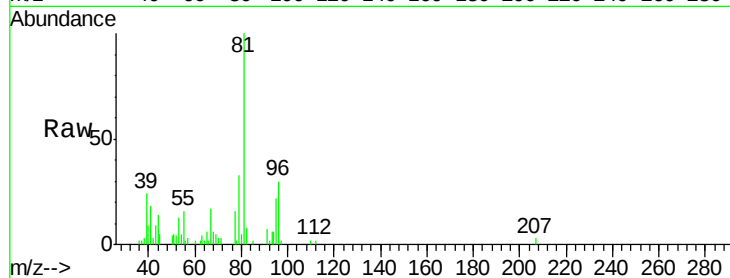




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.45 ug/l
 RT: 9.61 min Scan# 2495
 Delta R.T. -0.08 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

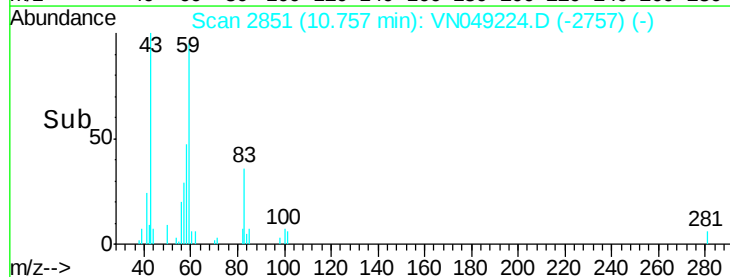
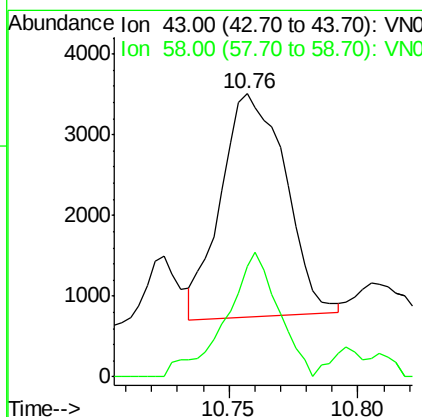
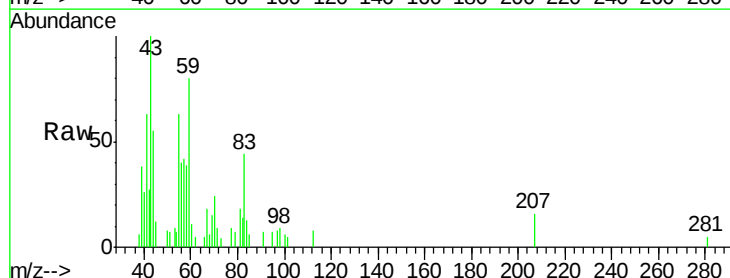
Instrument :
 MSVOA_N
 ClientSampleId :

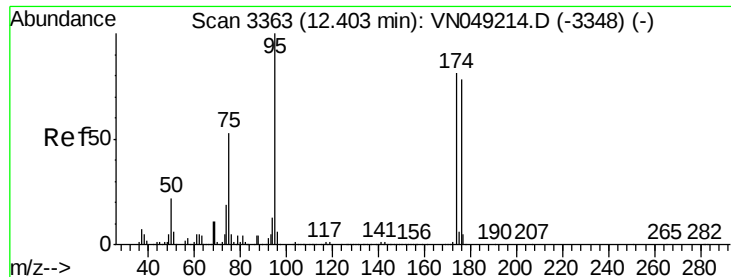
Tot Ion: 63 Resp: 1188
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#59
 2-Hexanone
 Concen: 0.89 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

Tgt Ion: 43 Resp: 4825
 Ion Ratio Lower Upper
 43 100
 58 45.0 25.2 75.6

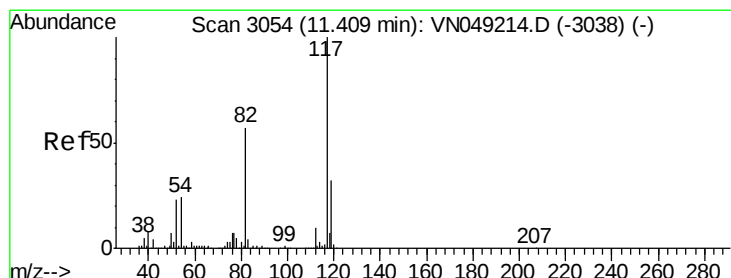
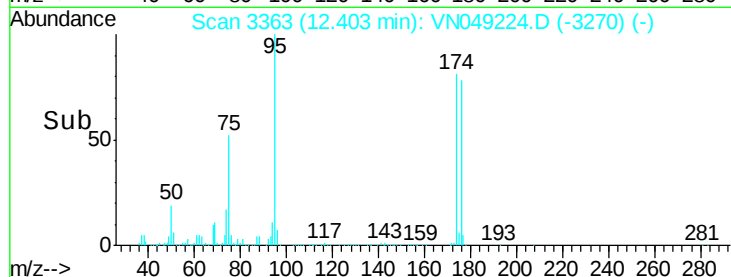
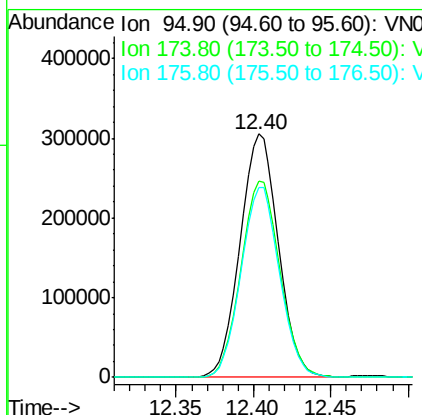
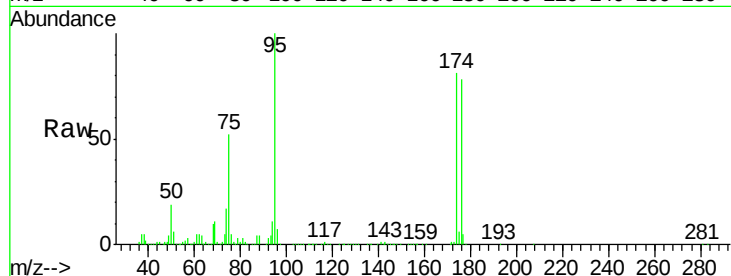




#62
4-Bromofluorobenzene
Concen: 43.58 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

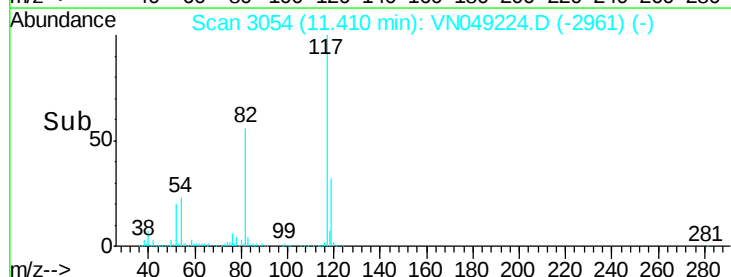
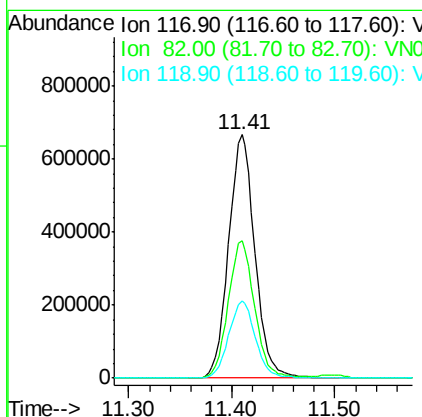
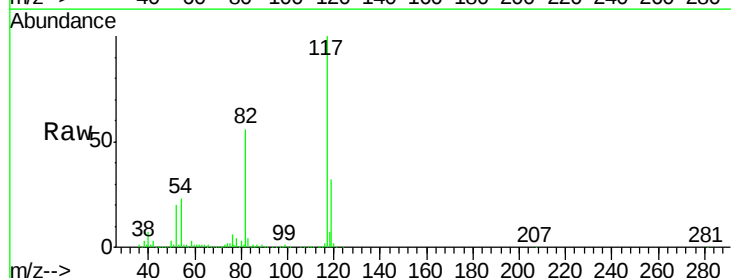
Instrument :
MSVOA_N
ClientSampleId :

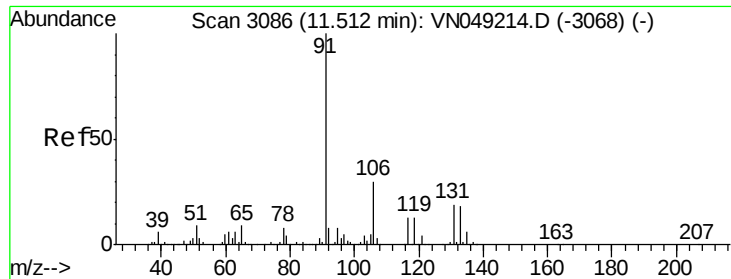
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	165.6
176	79.2	0.0	157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.9	68.9
119	31.6	25.5	38.3

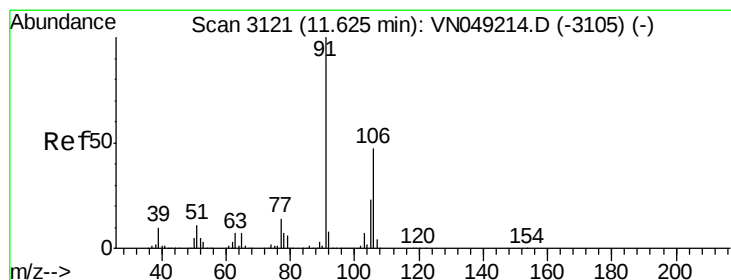
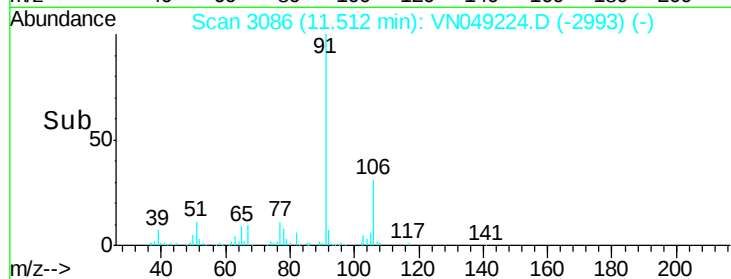
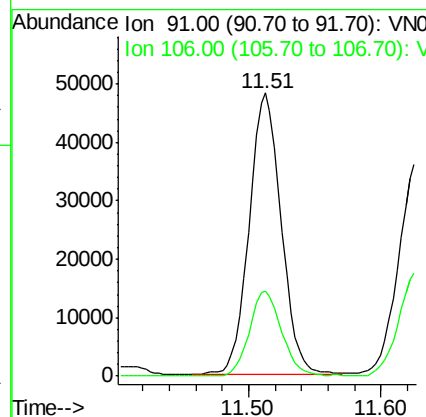
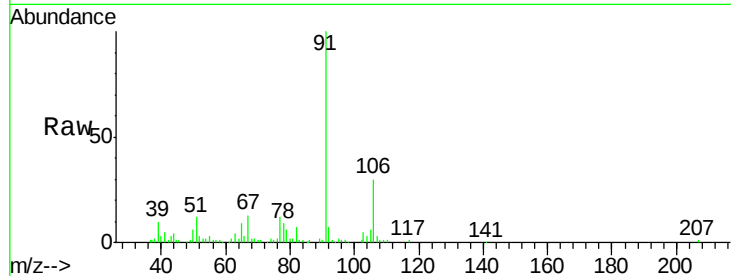




#67
Ethyl Benzene
Concen: 1.53 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

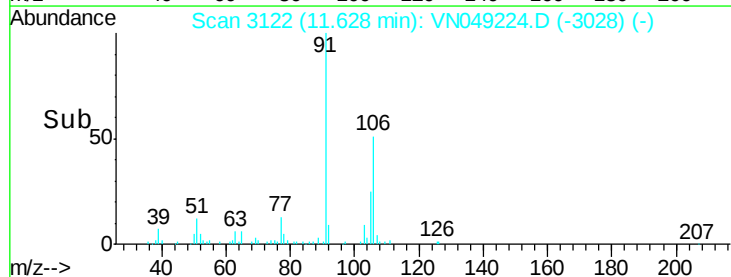
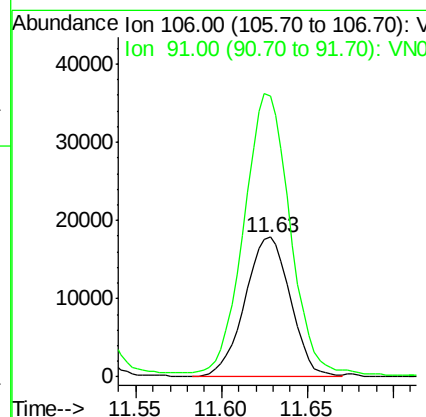
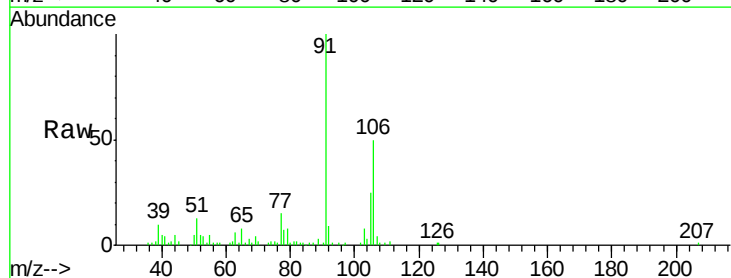
Instrument :
MSVOA_N
ClientSampled :

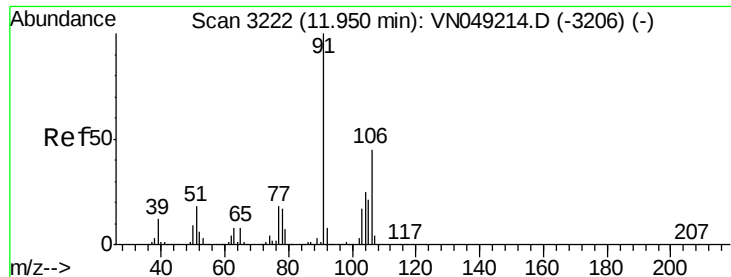
Tot Ion: 91 Resp: 80563
Ion Ratio Lower Upper
91 100
106 30.4 23.9 35.9



#68
m/p-Xylenes
Concen: 1.71 ug/l
RT: 11.63 min Scan# 3122
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion: 106 Resp: 32953
Ion Ratio Lower Upper
106 100
91 204.2 167.3 250.9

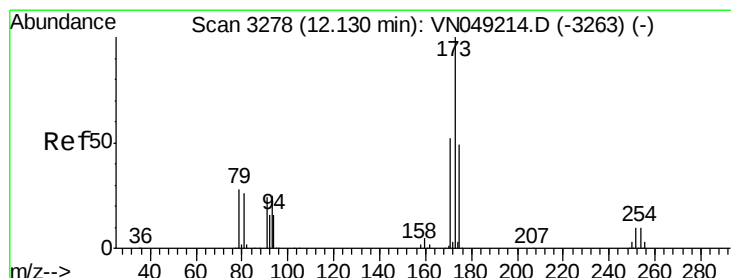
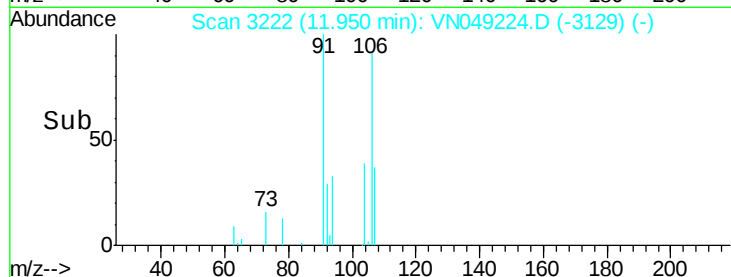
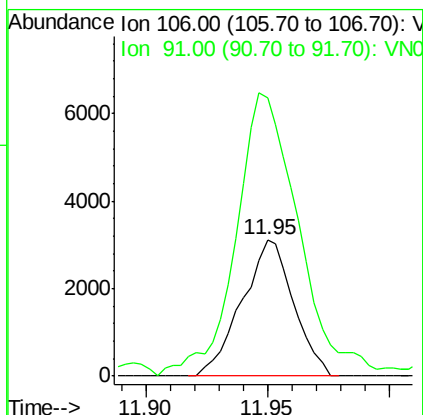
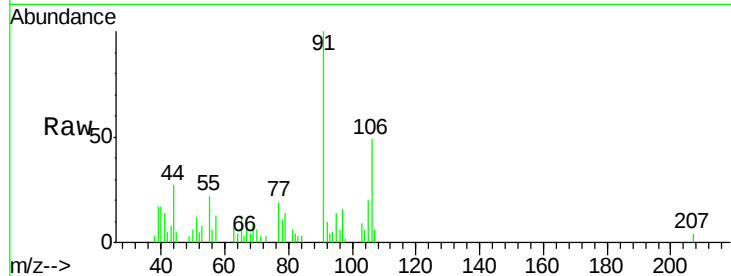




#69
o-Xylene
Concen: 0.25 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

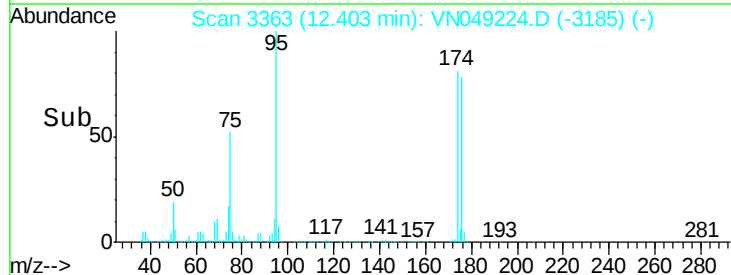
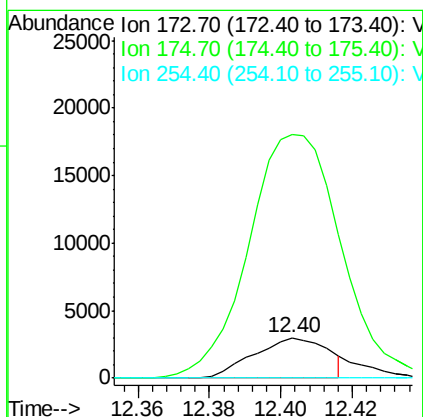
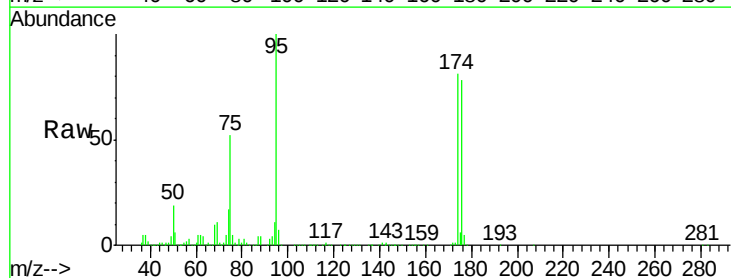
Instrument :
MSVOA_N
ClientSampleId :

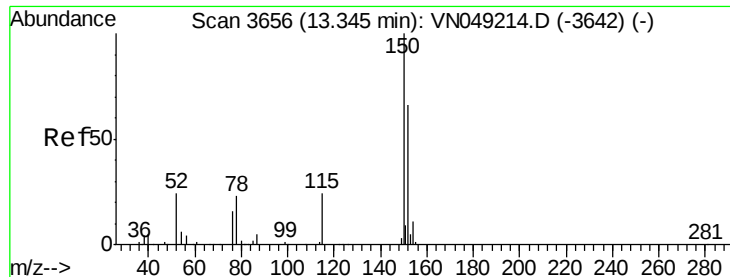
Tot Ion:106 Resp: 4567
Ion Ratio Lower Upper
106 100
91 254.3 111.0 333.0



#71
Bromoform
Concen: 0.59 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.27 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion:173 Resp: 4284
Ion Ratio Lower Upper
173 100
175 664.5 24.5 73.5#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampleId :

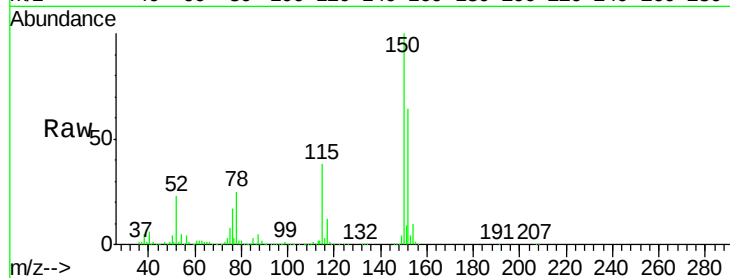
Tot Ion:152 Resp: 486815

Ion Ratio Lower Upper

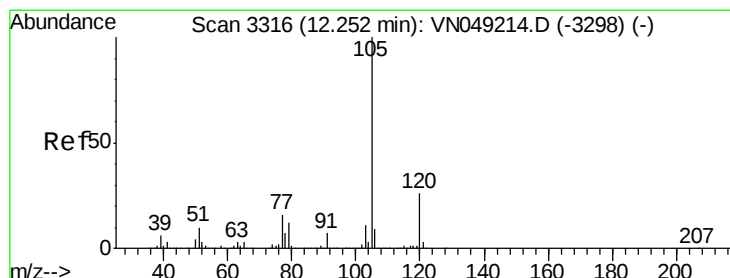
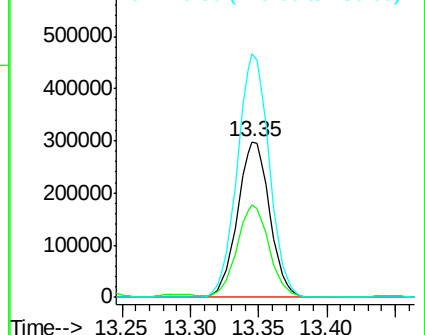
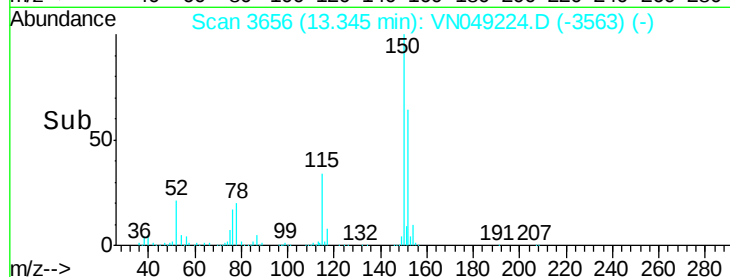
152 100

115 59.1 28.7 86.1

150 155.7 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: 1.91 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049224.D

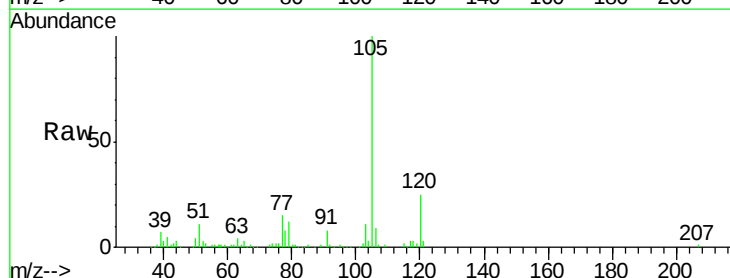
Acq: 14 Jun 2018 13:41

Tgt Ion:105 Resp: 89248

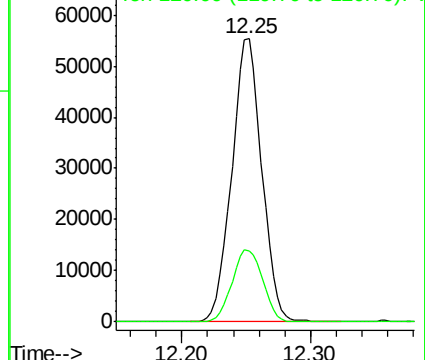
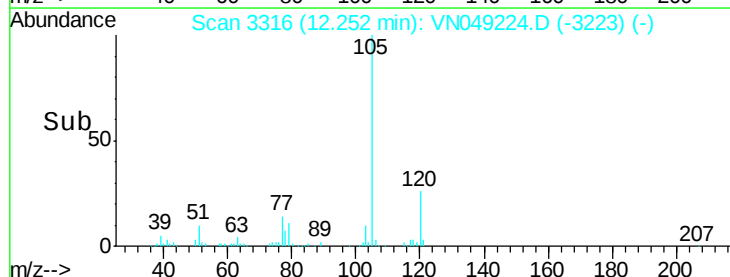
Ion Ratio Lower Upper

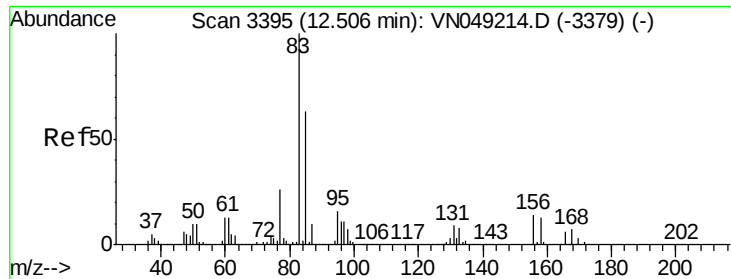
105 100

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: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampled :

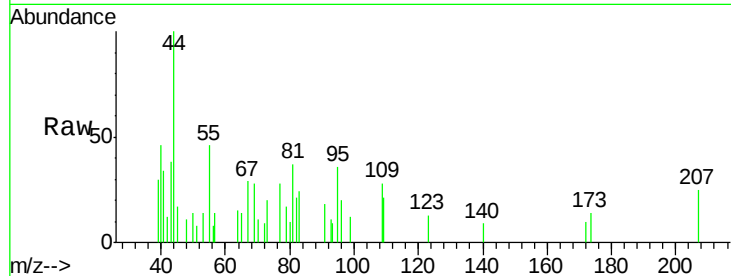
Tot Ion: 83 Resp: 606

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

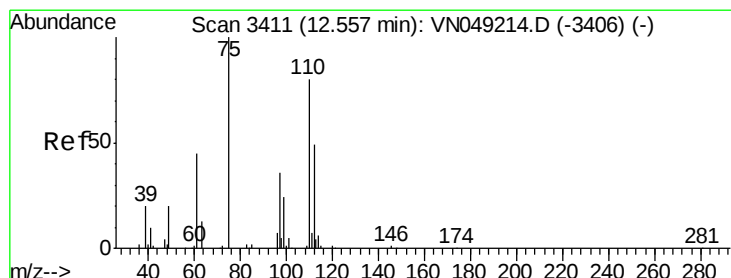
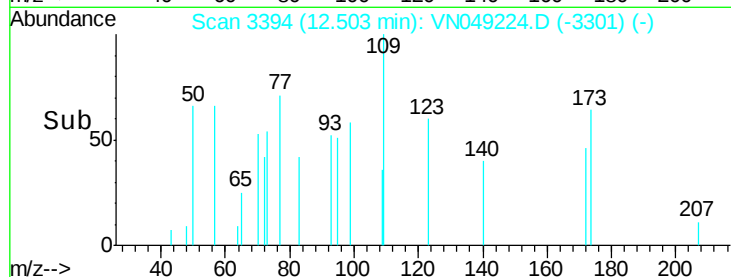
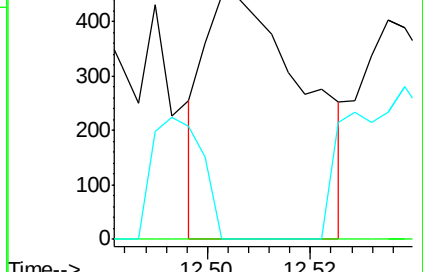
85 25.1 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 32.88 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049224.D

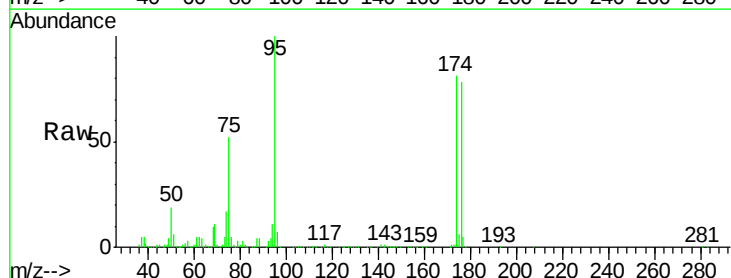
Acq: 14 Jun 2018 13:41

Tgt Ion: 75 Resp: 271384

Ion Ratio Lower Upper

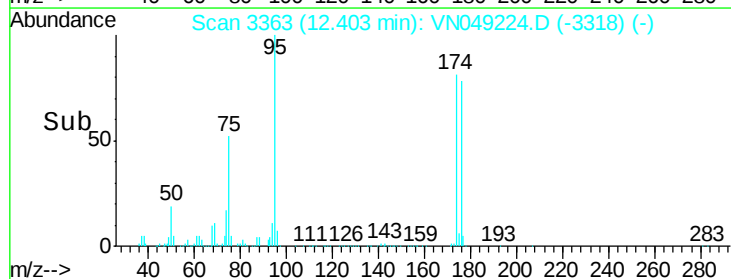
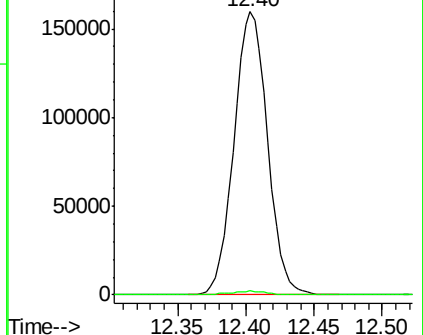
75 100

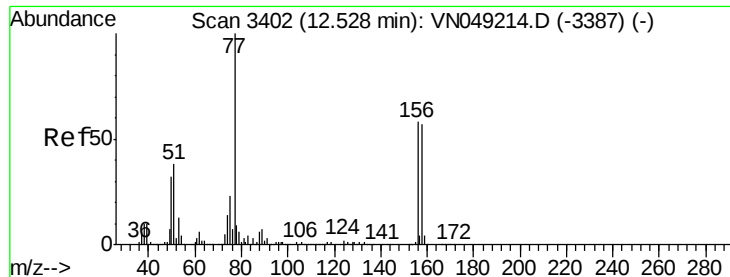
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3400

Delta R.T. -0.01 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampled :

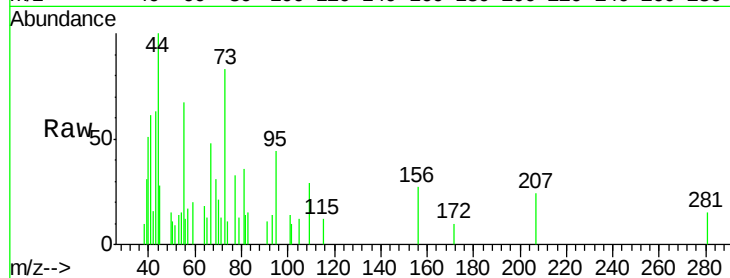
Tot Ion:156 Resp: 472

Ion Ratio Lower Upper

156 100

77 0.0 100.8 302.4#

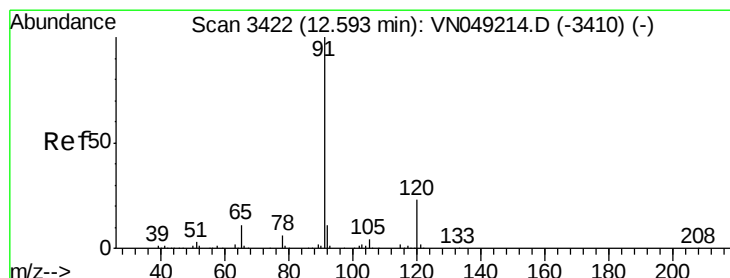
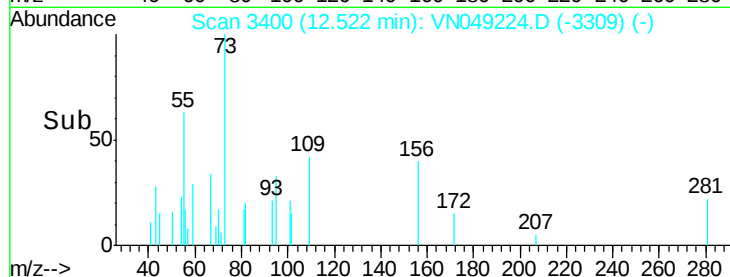
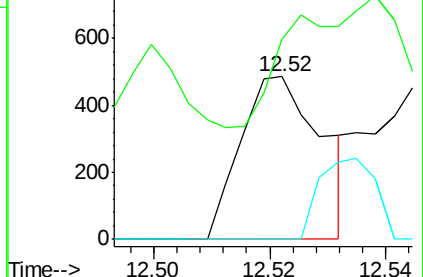
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.11 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049224.D

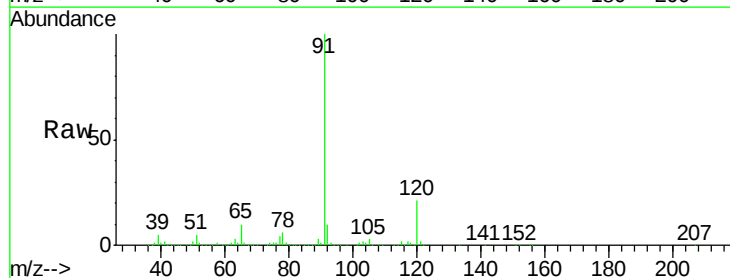
Acq: 14 Jun 2018 13:41

Tgt Ion: 91 Resp: 992500

Ion Ratio Lower Upper

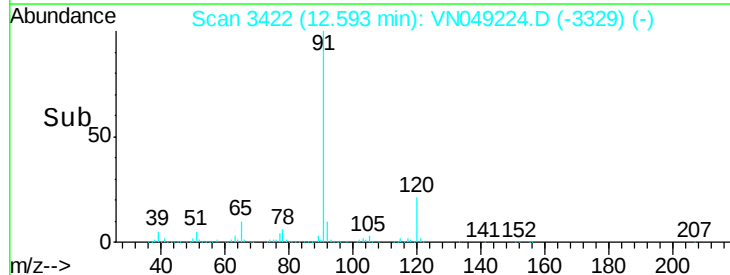
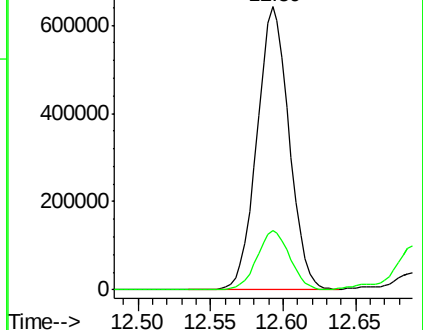
91 100

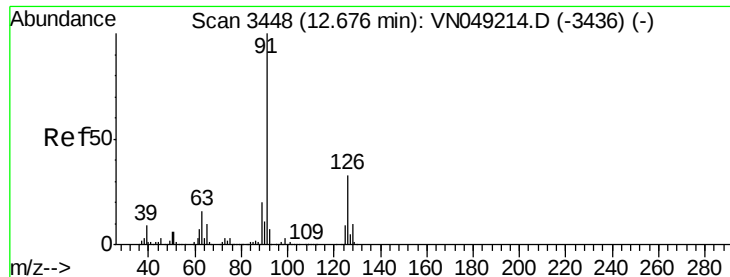
120 21.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 2.14 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. 0.01 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

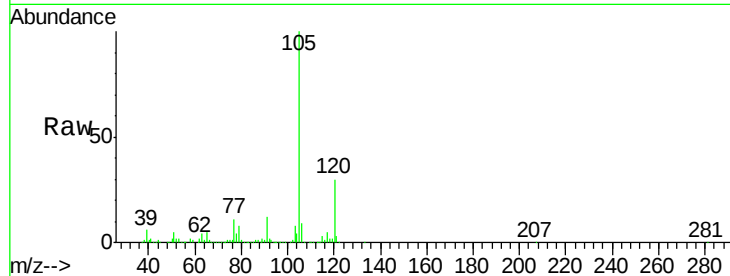
ClientSampleId :

Tot Ion: 91 Resp: 69960

Ion Ratio Lower Upper

91 100

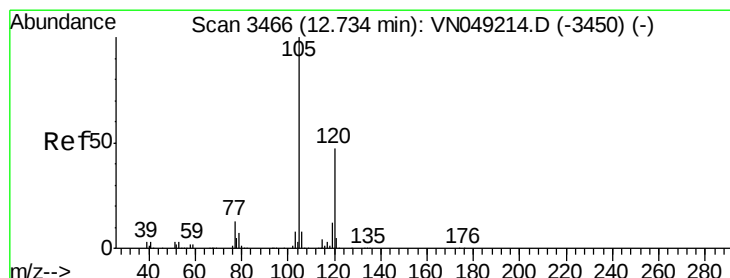
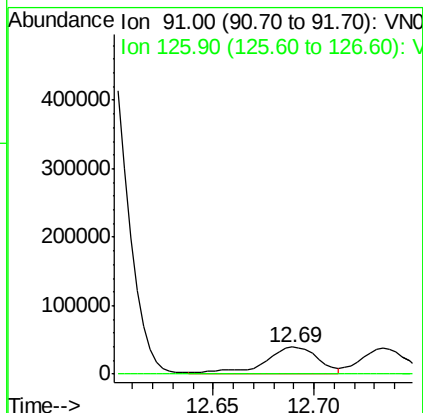
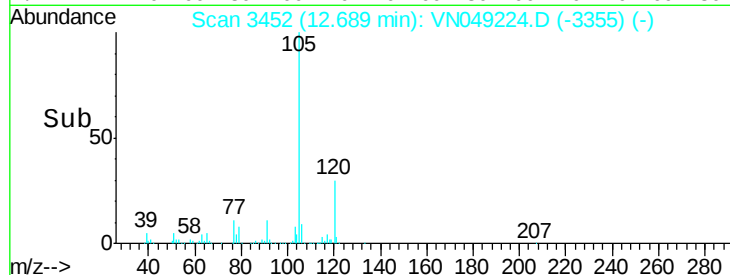
126 0.1 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN049214.D (-3436) (-)

Ion 125.90 (125.60 to 126.60): VN049214.D (-3436) (-)

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 15.66 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049224.D

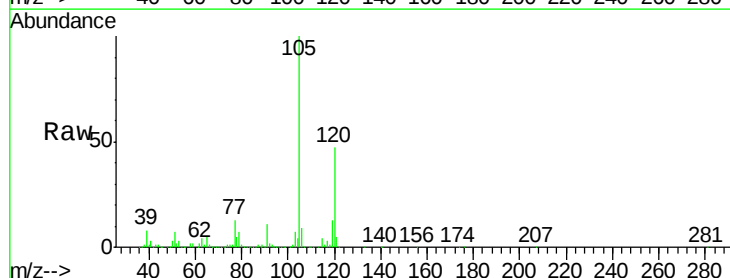
Acq: 14 Jun 2018 13:41

Tgt Ion: 105 Resp: 561302

Ion Ratio Lower Upper

105 100

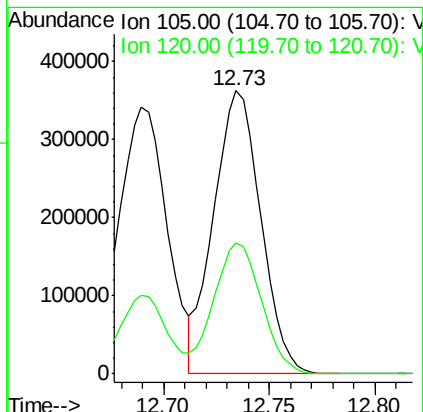
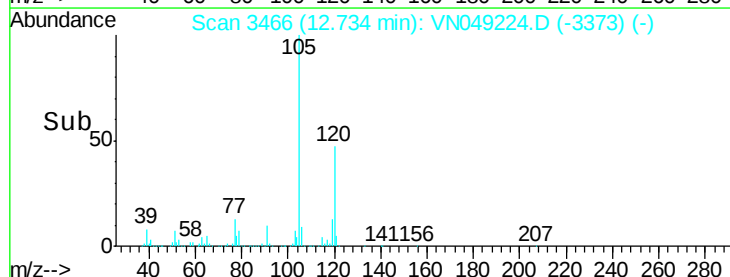
120 46.8 23.5 70.5

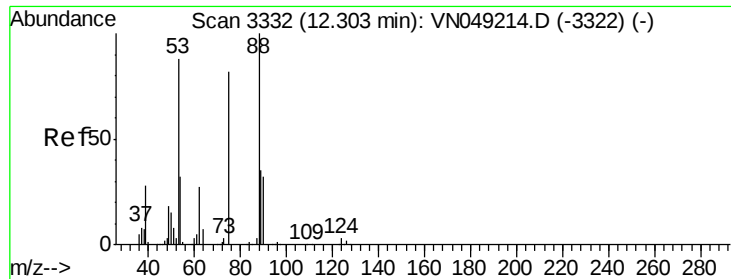


Abundance Ion 105.00 (104.70 to 105.70): VN049214.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049214.D (-3450) (-)

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 93.14 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampleId :

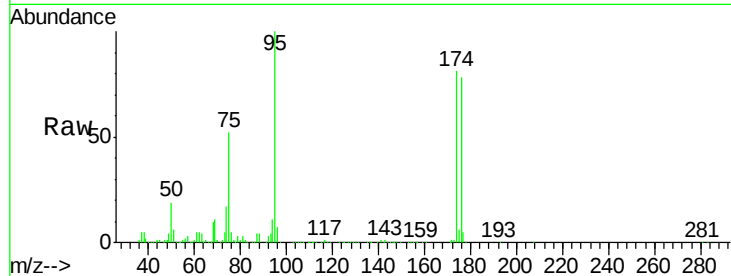
Tot Ion: 75 Resp: 271384

Ion Ratio Lower Upper

75 100

53 0.4 82.7 124.1#

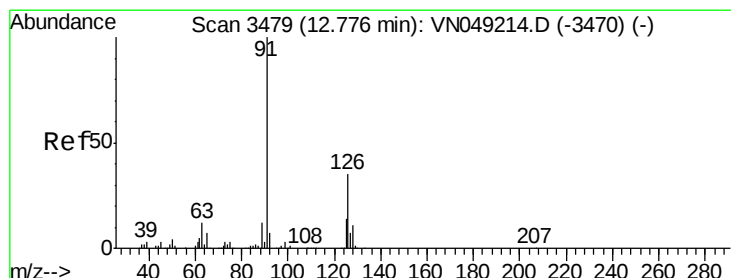
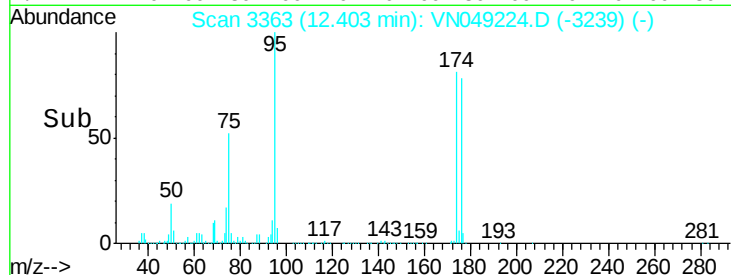
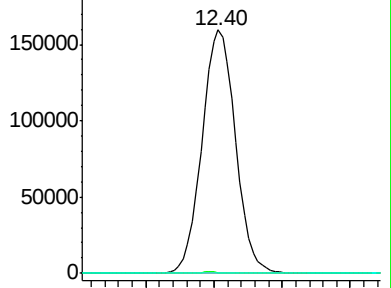
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049224.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049224.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049224.D (-3363) (-)



#82

4-Chlorotoluene

Concen: 1.82 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049224.D

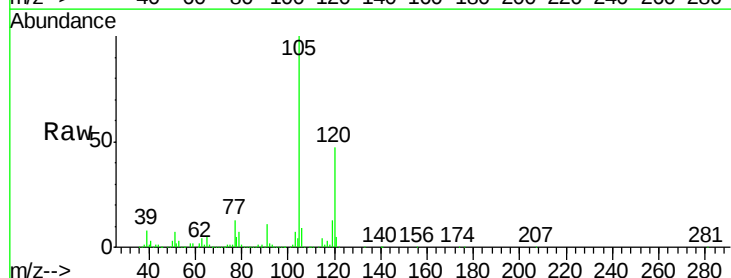
Acq: 14 Jun 2018 13:41

Tgt Ion: 91 Resp: 56565

Ion Ratio Lower Upper

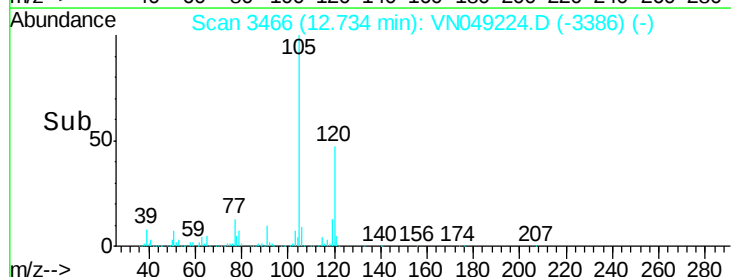
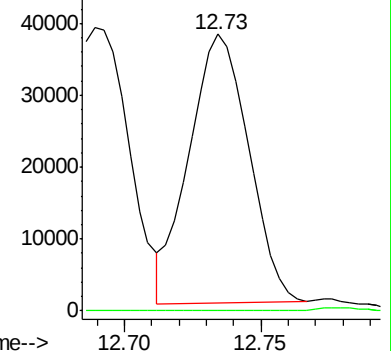
91 100

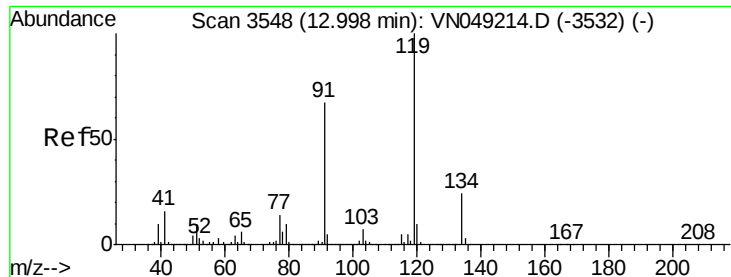
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN049224.D (-3466) (-)

Ion 125.90 (125.60 to 126.60): VN049224.D (-3466) (-)

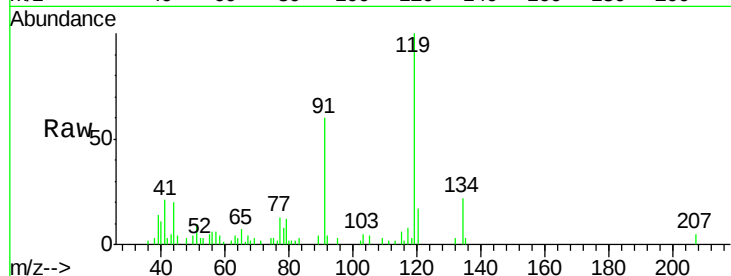




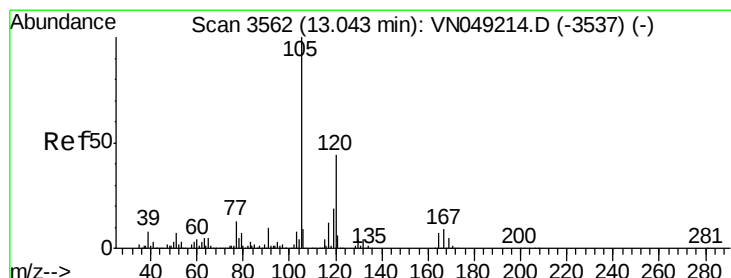
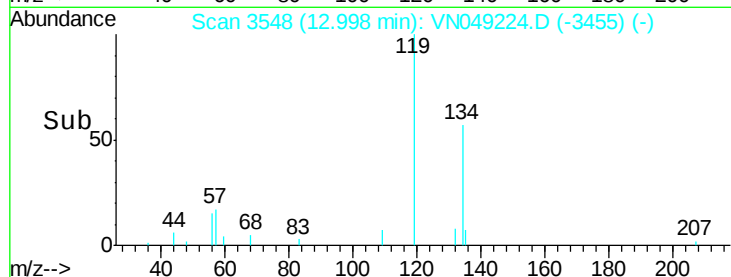
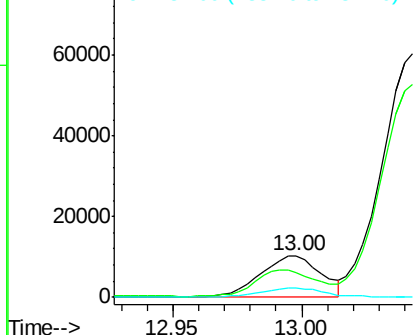
#83
tert-Butylbenzene
Concen: 0.54 ug/l
RT: 13.00 min Scan# 3548
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:119 Resp: 16807
Ion Ratio Lower Upper
119 100
91 63.1 33.7 101.0
134 24.0 12.9 38.6

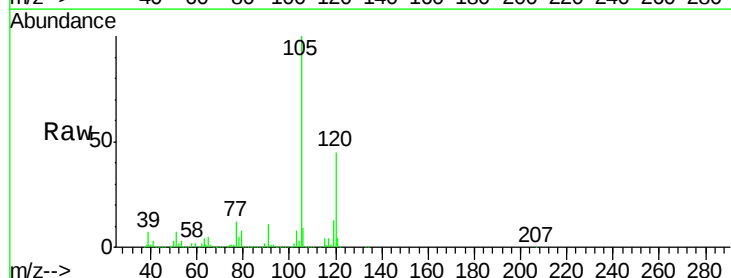


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

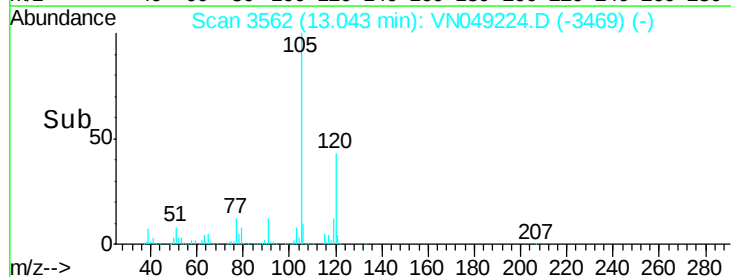
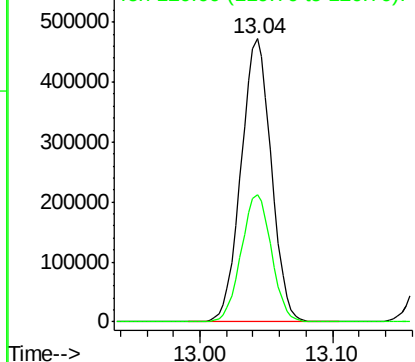


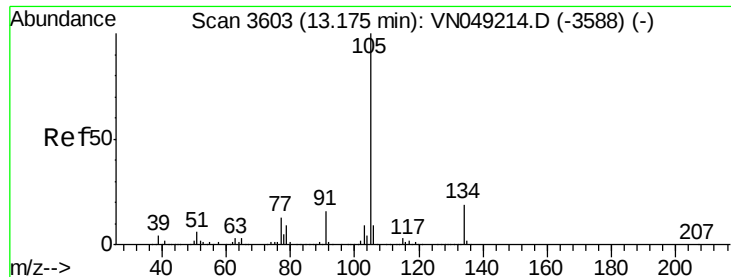
#84
1,2,4-Trimethylbenzene
Concen: 20.89 ug/l
RT: 13.04 min Scan# 3562
Delta R.T. 0.00 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion:105 Resp: 744414
Ion Ratio Lower Upper
105 100
120 45.0 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: 5.32 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

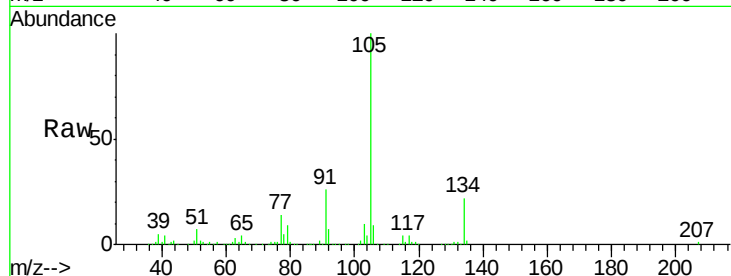
ClientSampled :

Tot Ion:105 Resp: 219013

Ion Ratio Lower Upper

105 100

134 35.2 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

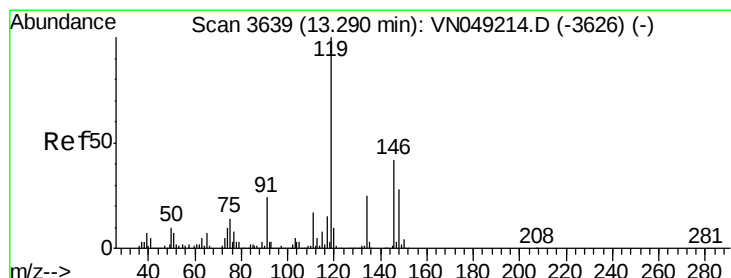
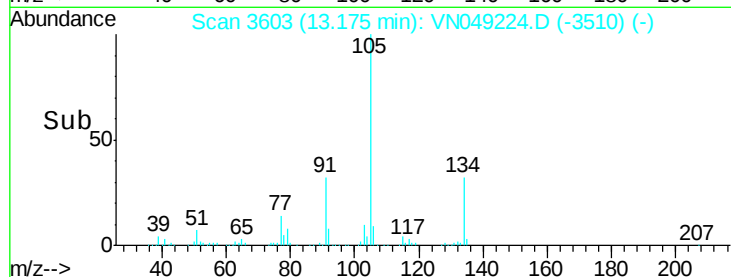
150000

100000

50000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 3.13 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

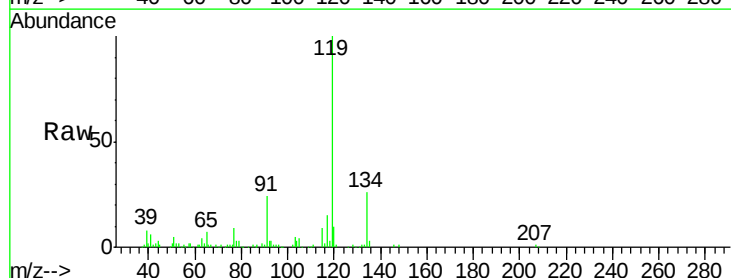
Tgt Ion:119 Resp: 104412

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.6

91 23.4 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

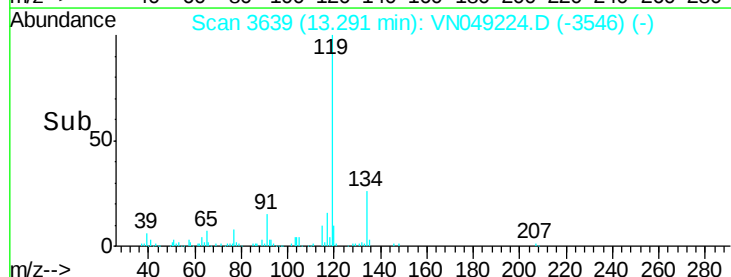
150000

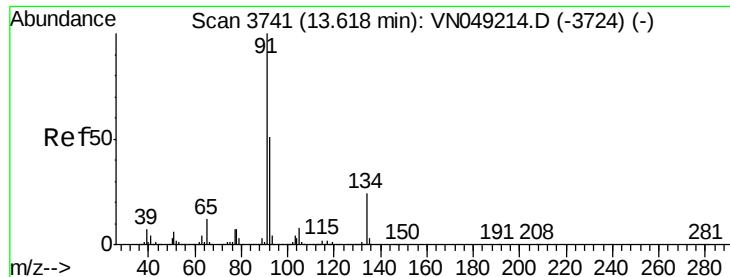
100000

50000

0

Time--> 13.25 13.30 13.35

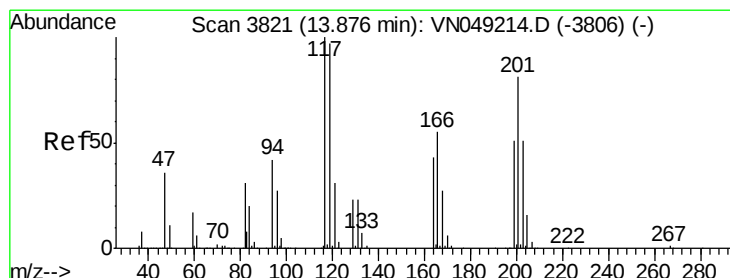
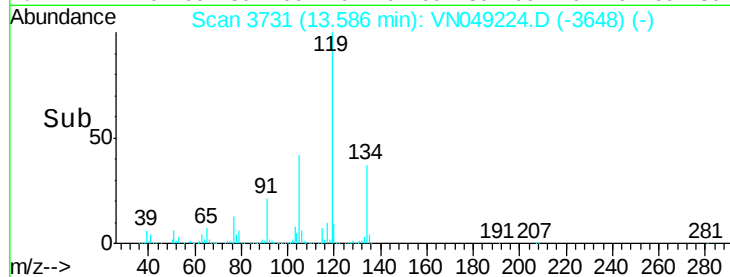
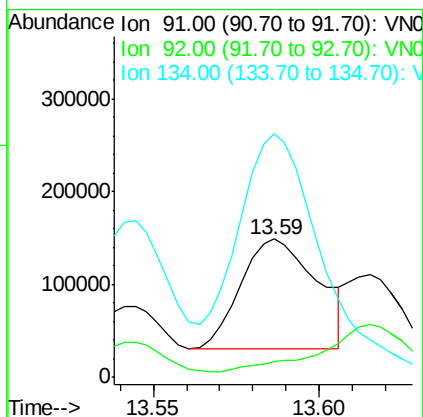
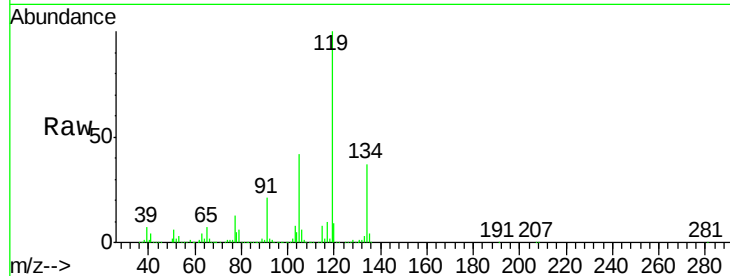




#89
n-Butylbenzene
Concen: 7.90 ug/l
RT: 13.59 min Scan# 3731
Delta R.T. -0.03 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

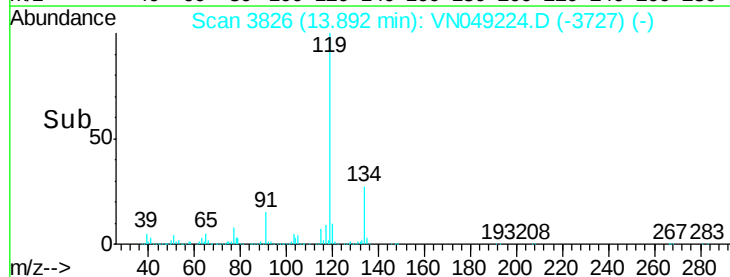
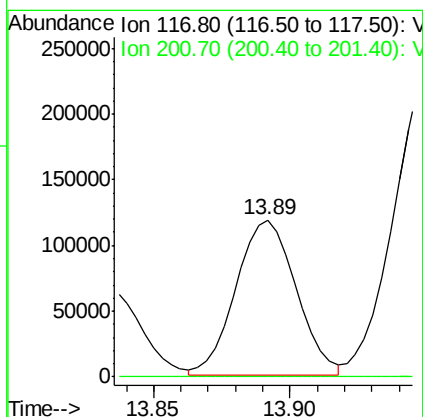
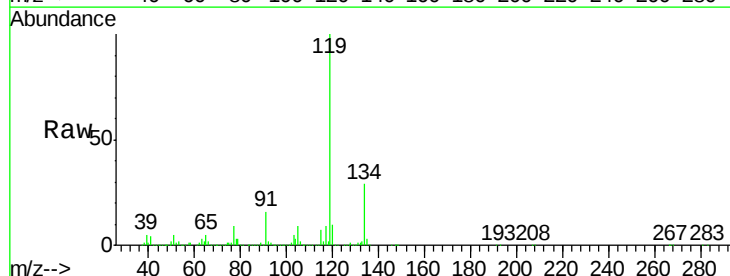
Instrument :
MSVOA_N
ClientSampleId :

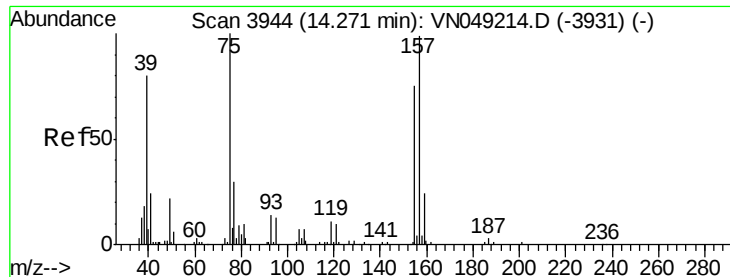
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	25.1	75.4#
134	247.9	12.0	36.0#



#90
Hexachloroethane
Concen: 26.14 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049224.D
Acq: 14 Jun 2018 13:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	0.0	40.1	120.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 6.70 ug/l

RT: 14.25 min Scan# 3937

Delta R.T. -0.02 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

Instrument :

MSVOA_N

ClientSampled :

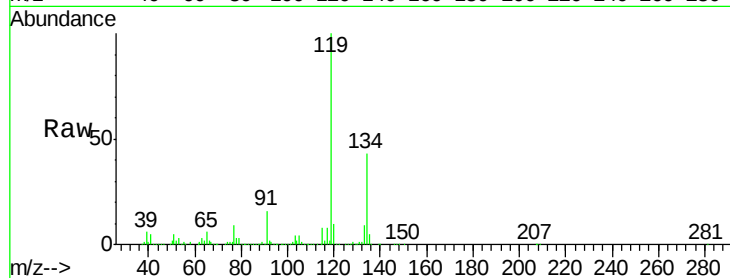
Tot Ion: 75 Resp: 10903

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

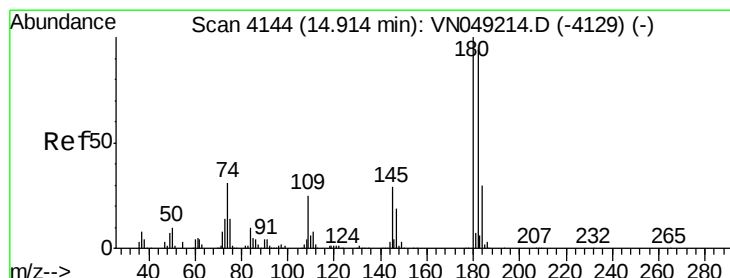
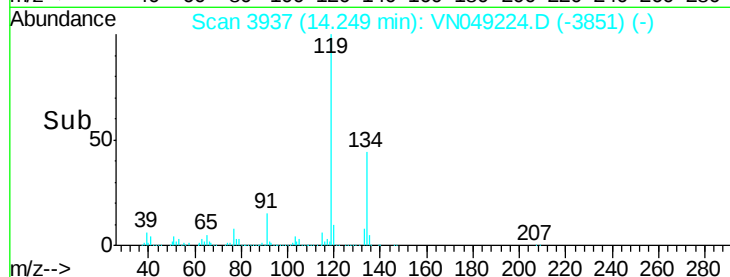
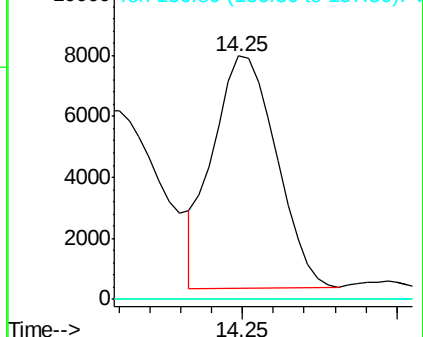
157 0.0 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN049224.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049224.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049224.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.53 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049224.D

Acq: 14 Jun 2018 13:41

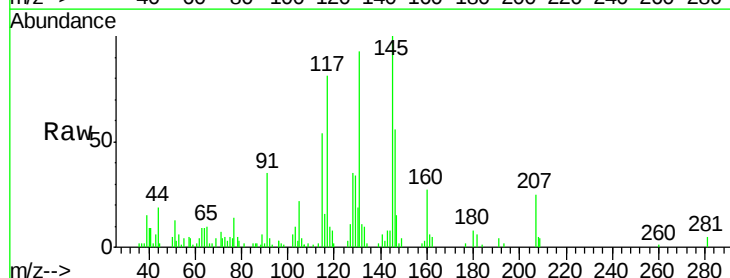
Tgt Ion: 180 Resp: 1274

Ion Ratio Lower Upper

180 100

182 99.9 46.9 140.8

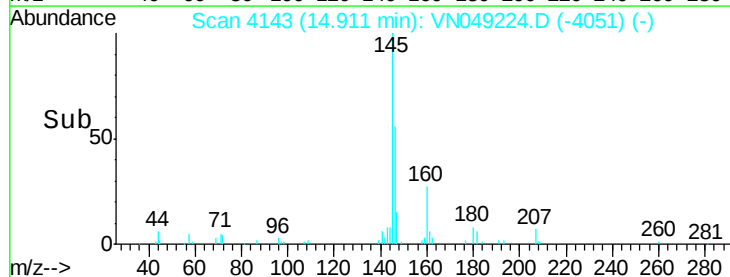
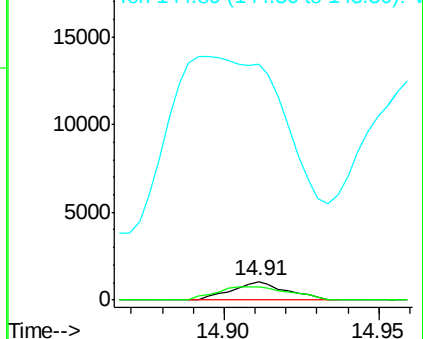
145 2755.2 14.7 44.1#

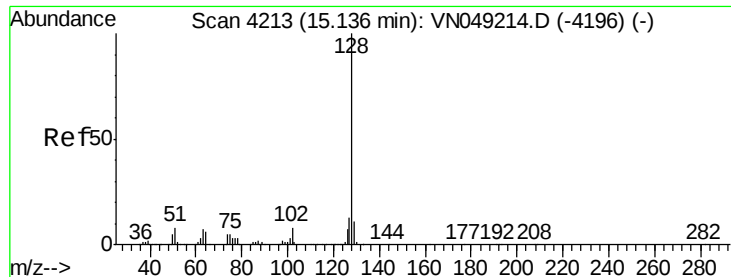


Abundance Ion 179.80 (179.50 to 180.50): VN049224.D (-4051) (-)

Ion 181.80 (181.50 to 182.50): VN049224.D (-4051) (-)

Ion 144.80 (144.50 to 145.50): VN049224.D (-4051) (-)

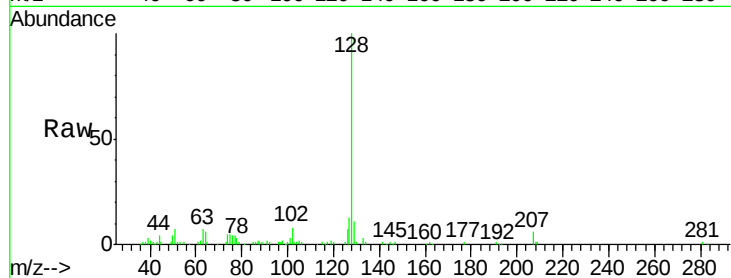




#95
 Naphthalene
 Concen: 10.22 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049224.D
 Acq: 14 Jun 2018 13:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.6	16.0
129	10.7	8.5	12.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V

