

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049229.D
 Acq On : 14 Jun 2018 15:50
 Operator : MD\SY
 Sample : J3435-02DL 5X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:04:16 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	615477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1154940	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1223350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	440576	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	410868	41.34	ug/l	0.00
Spiked Amount			Recovery	=	82.68%	
35) Dibromofluoromethane	7.59	113	372878	39.01	ug/l	0.00
Spiked Amount			Recovery	=	78.02%	
50) Toluene-d8	10.09	98	1449106	38.97	ug/l	0.00
Spiked Amount			Recovery	=	77.94%	
62) 4-Bromofluorobenzene	12.40	95	555858	45.04	ug/l	0.00
Spiked Amount			Recovery	=	90.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	1925	0.21	ug/l	# 63
5) Bromomethane	2.57	94	2403	0.24	ug/l	97
13) Acrolein	3.55	56	1141	1.55	ug/l	# 1
16) Acetone	3.79	43	9168	3.86	ug/l	# 47
18) Methyl Acetate	4.33	43	9849	Below	Cal	97
25) 2-Butanone	6.85	43	3724	1.10	ug/l	# 88
29) Tetrahydrofuran	7.21	42	504	0.23	ug/l	# 36
31) Cyclohexane	7.65	56	133793	8.75	ug/l	# 94
36) 1,1-Dichloropropene	7.67	75	50154	3.48	ug/l	# 55
38) Carbon Tetrachloride	7.67	117	59990	4.13	ug/l	# 17
39) Methylcyclohexane	9.08	83	43613	2.93	ug/l	95
40) Benzene	8.04	78	44377	1.02	ug/l	96
43) Isopropyl Acetate	8.15	43	6750	0.40	ug/l	# 64
48) Methyl methacrylate	9.27	41	4179	0.51	ug/l	# 52
52) Toluene	10.16	92	122924	4.83	ug/l	97
55) 1,1,2-Trichloroethane	10.53	97	5399	0.58	ug/l	# 18
58) 2-Chloroethyl Vinyl ether	9.62	63	113	13.21	ug/l	# 51
59) 2-Hexanone	10.76	43	1555	0.28	ug/l	82
67) Ethyl Benzene	11.51	91	1206514	22.16	ug/l	99
68) m/p-Xylenes	11.62	106	804996	40.43	ug/l	98
69) o-Xylene	11.95	106	271870	14.18	ug/l	100
70) Styrene	11.95	104	16297	0.54	ug/l	# 1
71) Bromoform	12.41	173	4099	0.55	ug/l	# 1
73) Isopropylbenzene	12.25	105	105583	2.50	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.43	83	29	Below	Cal	# 26
76) 1,2,3-Trichloropropane	12.40	75	281218	37.99	ug/l	# 100
77) Bromobenzene	12.54	156	762	Below	Cal	# 1
78) n-propylbenzene	12.59	91	221691	4.72	ug/l	99
79) 2-Chlorotoluene	12.66	91	45463	1.53	ug/l	# 42
80) 1,3,5-Trimethylbenzene	12.73	105	165088	5.09	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	281218	106.64	ug/l	# 8
82) 4-Chlorotoluene	12.73	91	18330	0.65	ug/l	# 42
83) tert-Butylbenzene	13.04	119	95288	3.41	ug/l	# 73
84) 1,2,4-Trimethylbenzene	13.04	105	752441	23.33	ug/l	99

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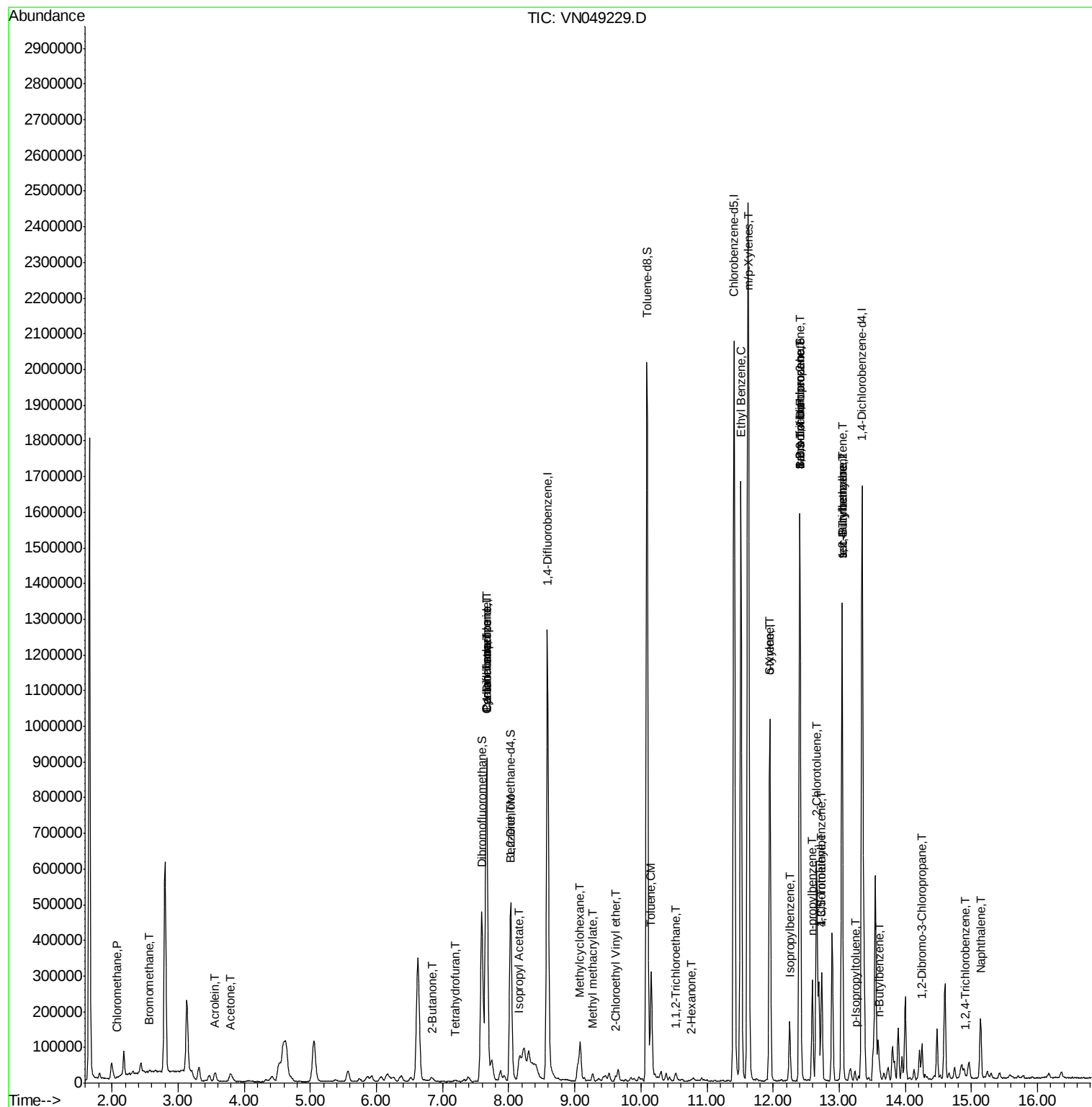
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.04	105	752441	20.19	ug/l #	57
86) p-Isopropyltoluene	13.24	119	13507	0.45	ug/l	95
89) n-Butylbenzene	13.62	91	11527	1.98	ug/l #	69
90) Hexachloroethane	13.89	117	9120	Below	Cal #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	447	0.30	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	735	4.48	ug/l #	48
95) Naphthalene	15.14	128	145326	13.88	ug/l	98

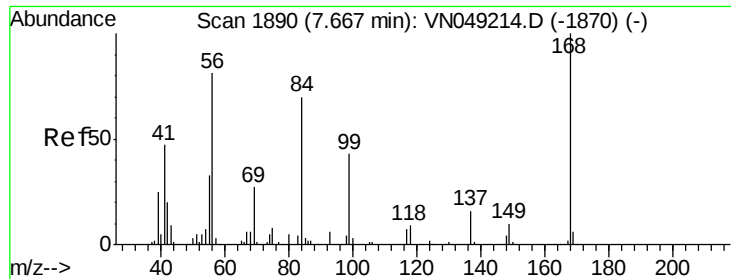
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

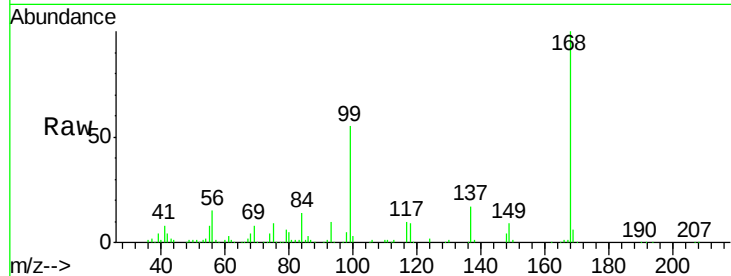
ClientSampleId :

Tot Ion:168 Resp: 615477

Ion Ratio Lower Upper

168 100

99 54.6 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049229.D (-1797) (-)

Ion 98.90 (98.60 to 99.60): VN049229.D (-1797) (-)

7.67

250000

200000

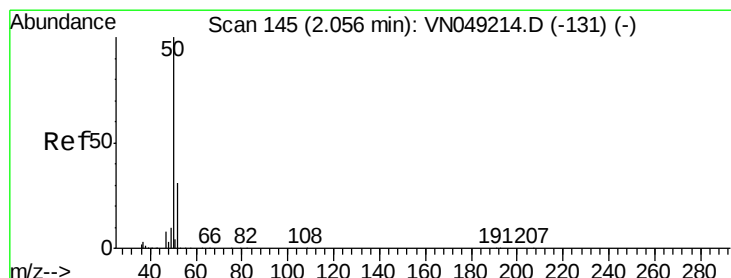
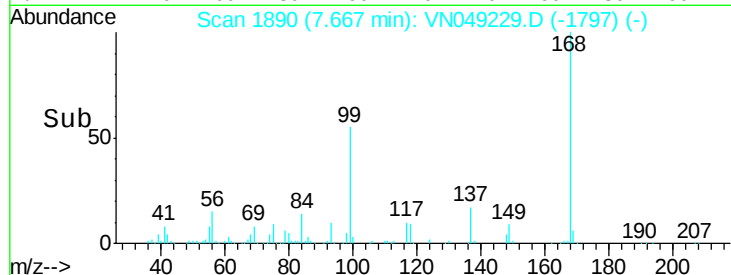
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049229.D

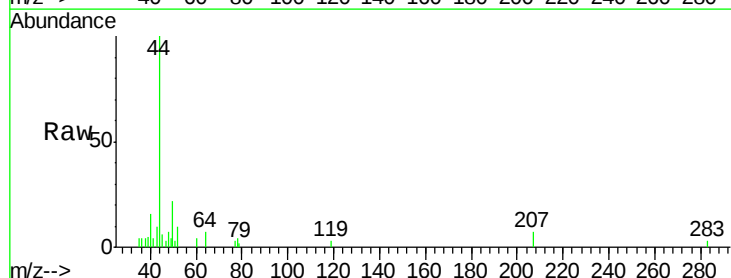
Acq: 14 Jun 2018 15:50

Tgt Ion: 50 Resp: 1925

Ion Ratio Lower Upper

50 100

52 52.1 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VN049229.D (-52) (-)

Ion 51.90 (51.60 to 52.60): VN049229.D (-52) (-)

2.06

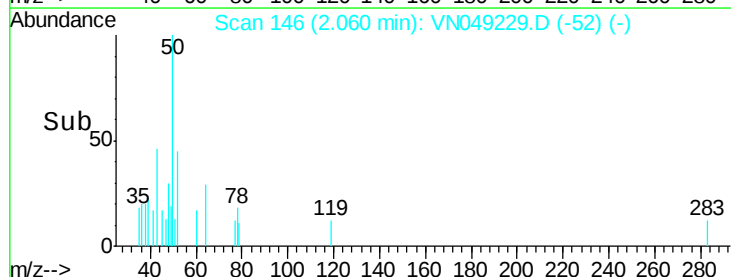
1500

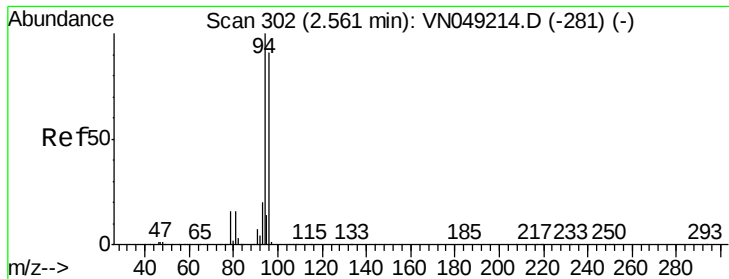
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.24 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

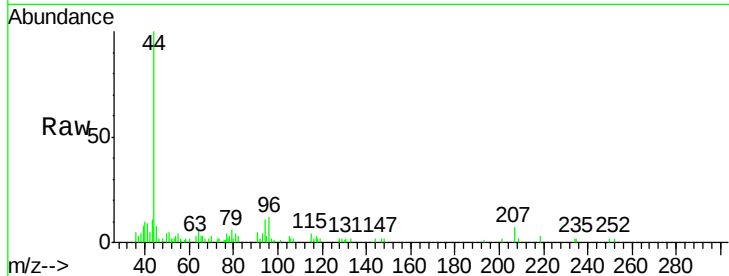
ClientSampleId :

Tot Ion: 94 Resp: 2403

Ion Ratio Lower Upper

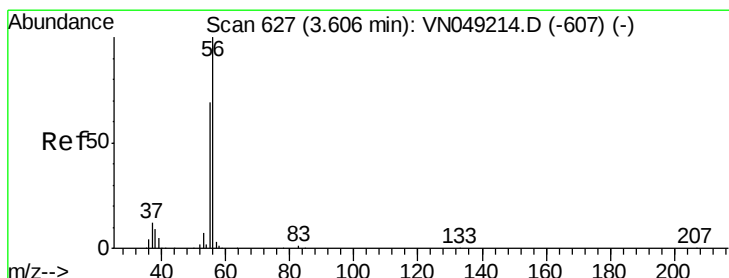
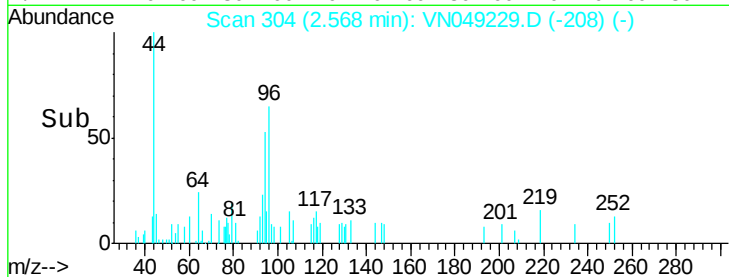
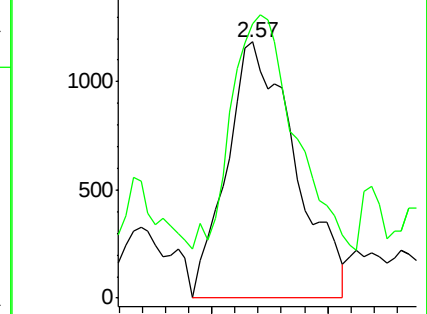
94 100

96 88.0 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049229.D (-281) (-)

Ion 95.90 (95.60 to 96.60): VN049229.D (-281) (-)



#13

Acrolein

Concen: 1.55 ug/l

RT: 3.55 min Scan# 610

Delta R.T. -0.05 min

Lab File: VN049229.D

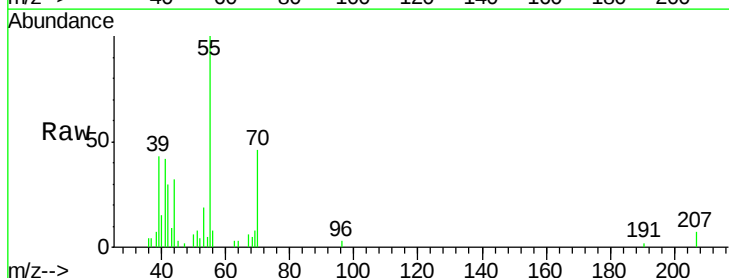
Acq: 14 Jun 2018 15:50

Tgt Ion: 56 Resp: 1141

Ion Ratio Lower Upper

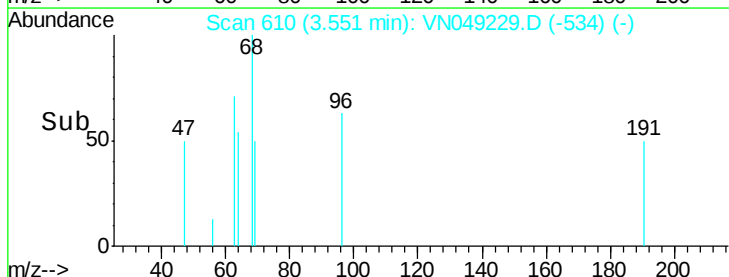
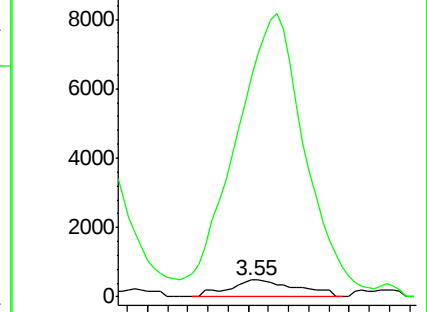
56 100

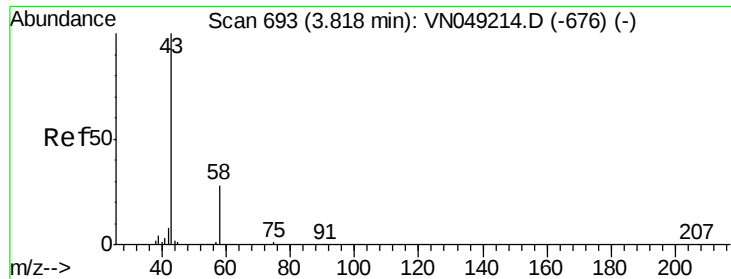
55 1640.2 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN049229.D (-607) (-)

Ion 55.00 (54.70 to 55.70): VN049229.D (-607) (-)

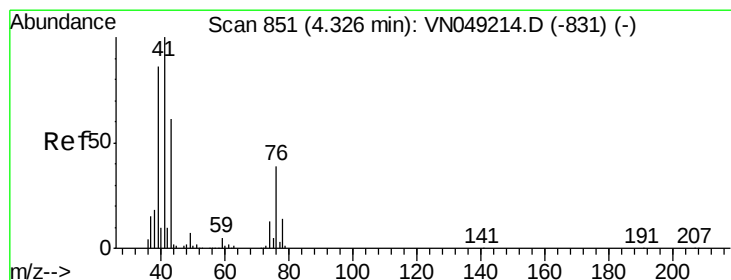
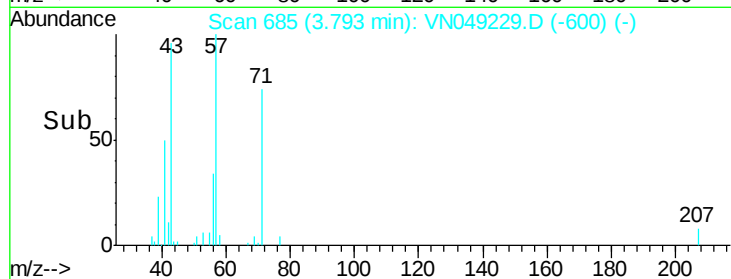
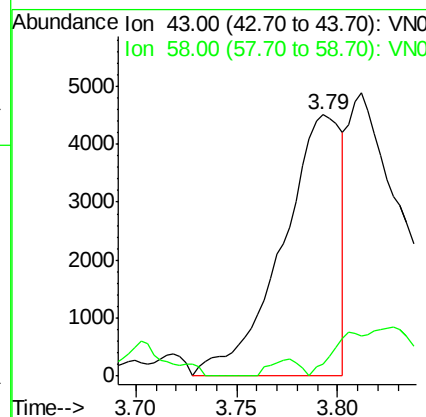
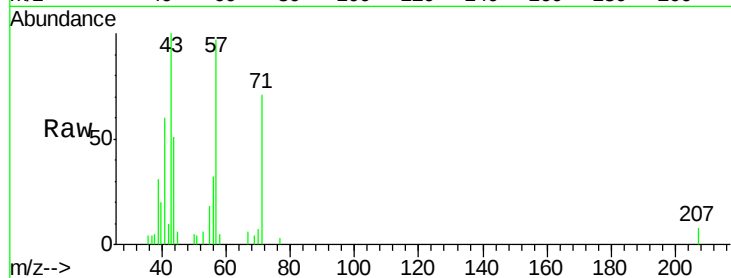




#16
Acetone
Concen: 3.86 ug/l
RT: 3.79 min Scan# 685
Delta R.T. -0.03 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

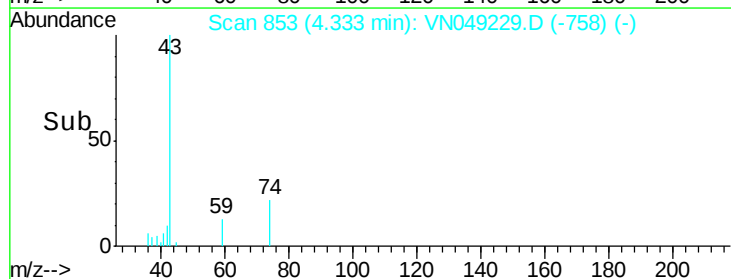
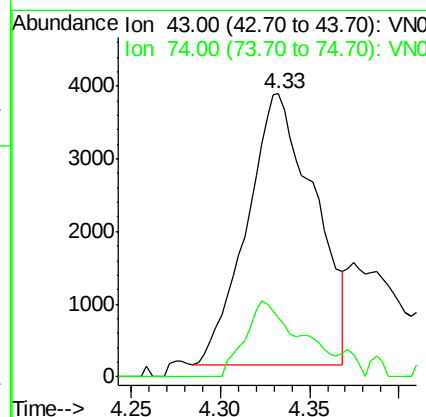
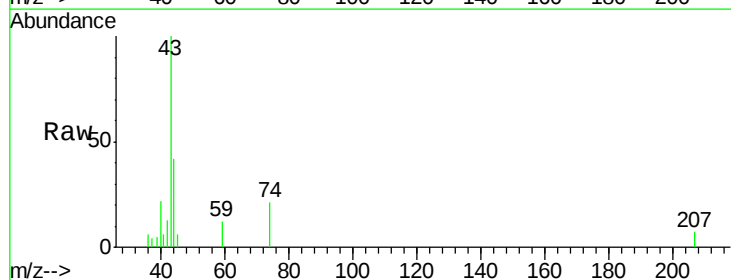
Instrument :
MSVOA_N
ClientSampled :

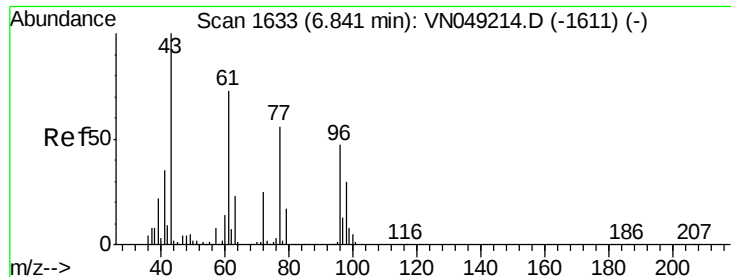
Tot Ion: 43 Resp: 9168
Ion Ratio Lower Upper
43 100
58 0.0 22.4 33.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion: 43 Resp: 9849
Ion Ratio Lower Upper
43 100
74 23.0 17.4 26.0





#25

2-Butanone

Concen: 1.10 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. 0.01 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

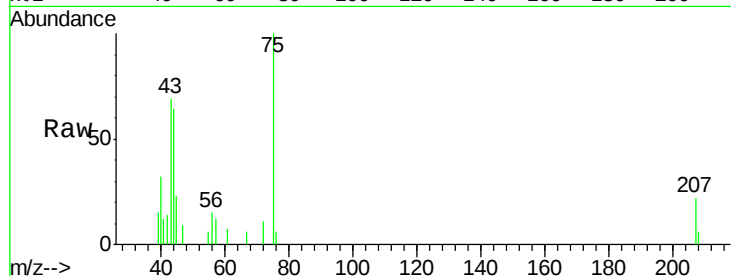
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 3724

Ion Ratio Lower Upper

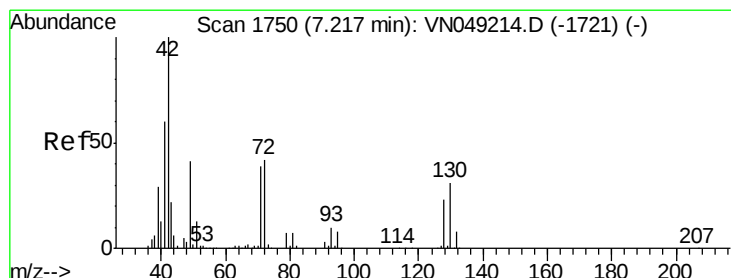
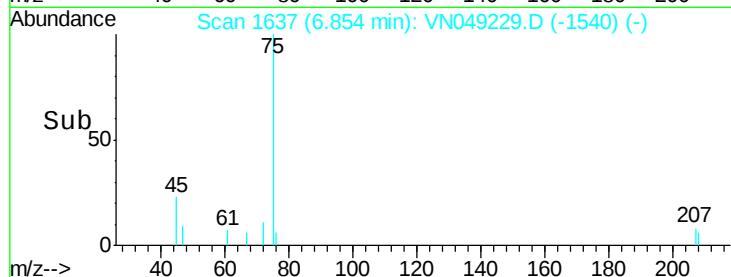
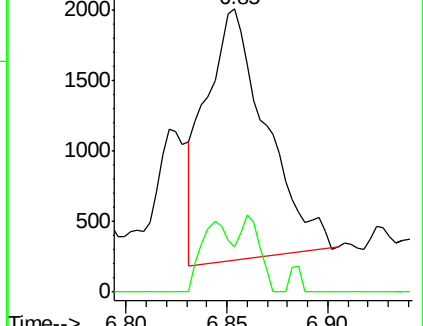
43 100

72 19.3 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN049229.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN049229.D (-1540) (-)



#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 7.21 min Scan# 1747

Delta R.T. -0.01 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

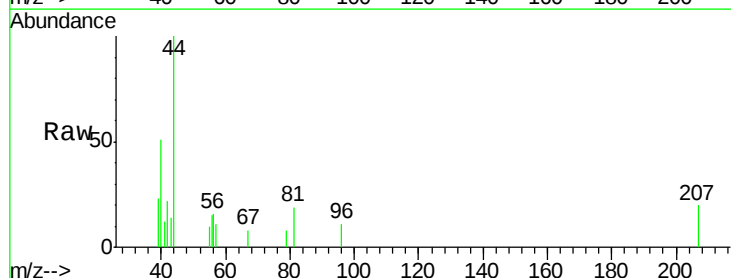
Tgt Ion: 42 Resp: 504

Ion Ratio Lower Upper

42 100

72 0.0 32.2 48.4#

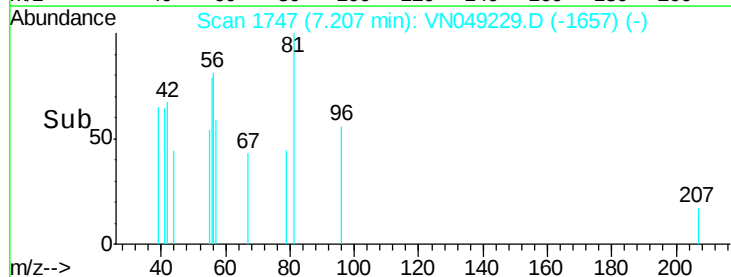
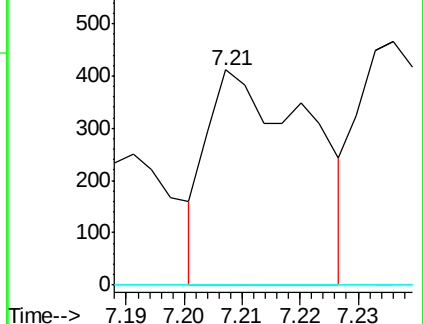
71 0.0 30.5 45.7#

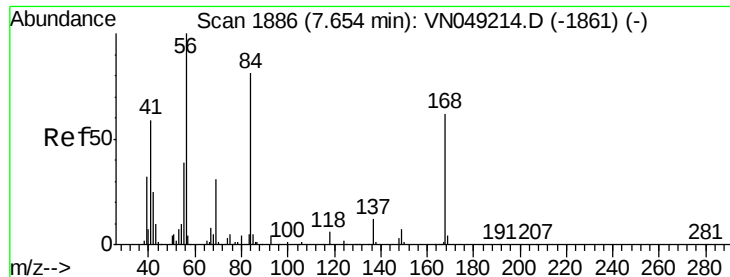


Abundance Ion 42.00 (41.70 to 42.70): VN049229.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN049229.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN049229.D (-1657) (-)

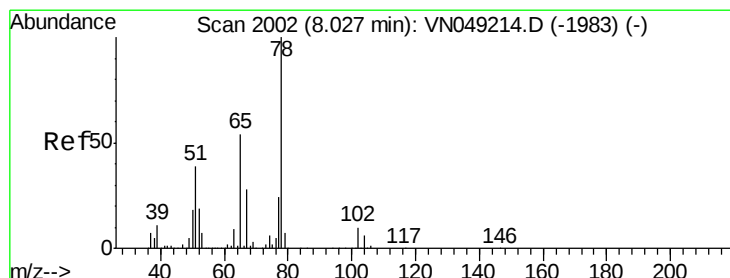
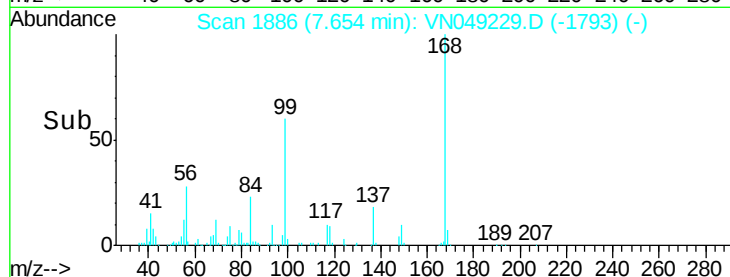
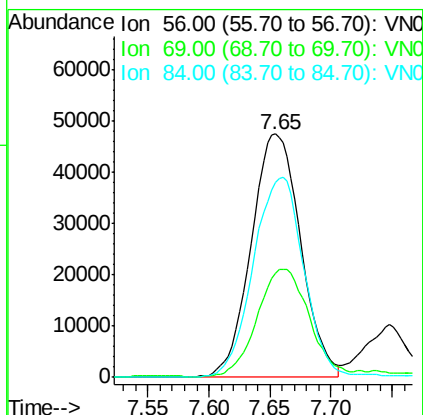
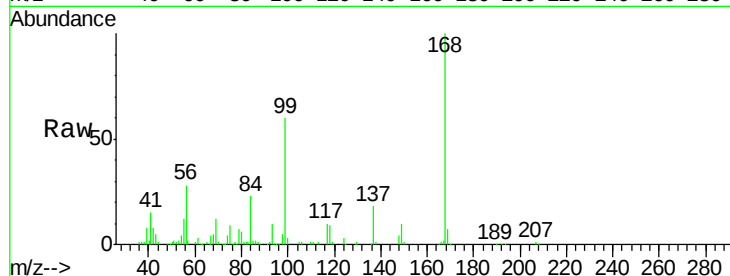




#31
Cyclohexane
Concen: 8.75 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

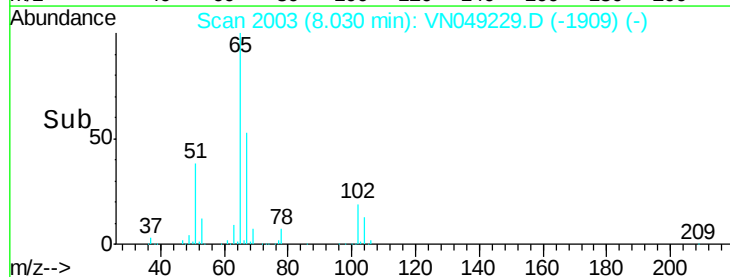
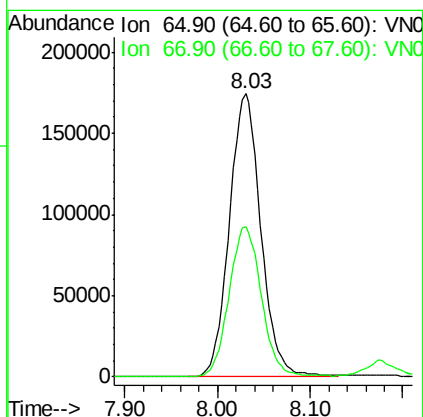
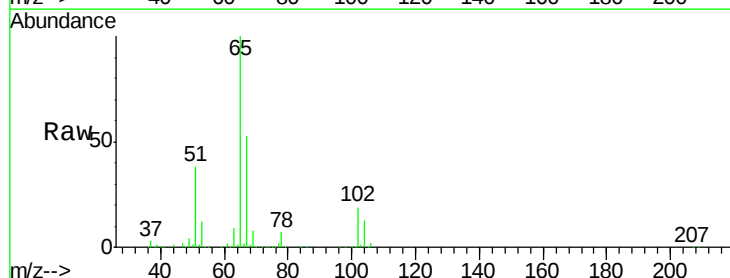
Instrument :
MSVOA_N
ClientSampled :

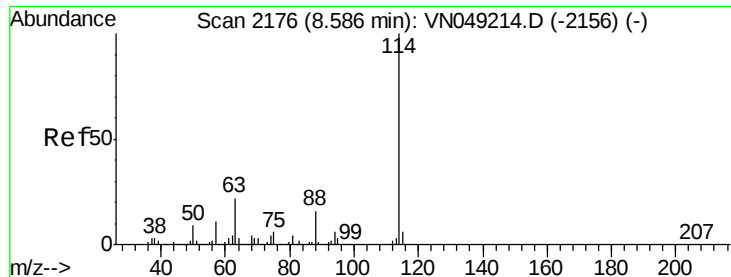
Tot Ion: 56 Resp: 133793
Ion Ratio Lower Upper
56 100
69 43.0 25.0 37.4#
84 80.3 64.6 96.8



#33
1,2-Dichloroethane-d4
Concen: 41.34 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion: 65 Resp: 410868
Ion Ratio Lower Upper
65 100
67 54.2 0.0 103.8





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

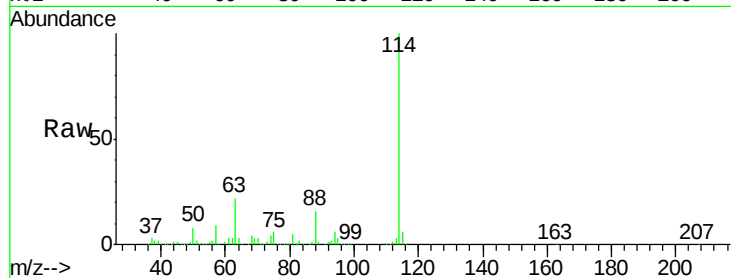
Tot Ion:114 Resp: 1154940

Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.4

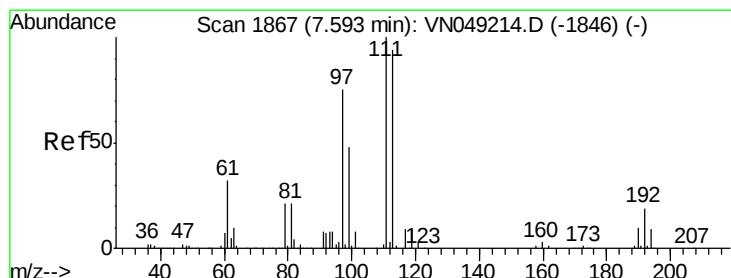
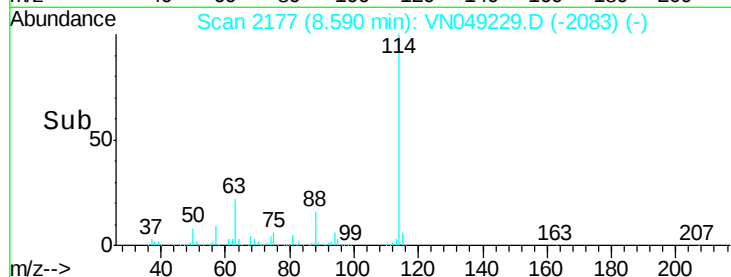
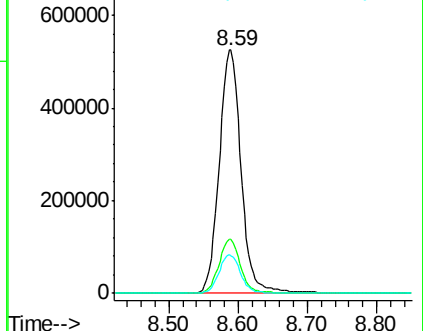
88 15.6 0.0 31.4



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: 39.01 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

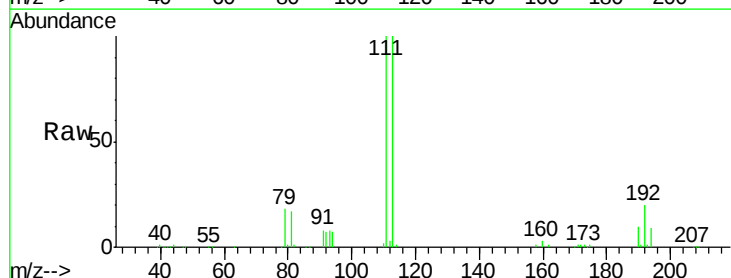
Tgt Ion:113 Resp: 372878

Ion Ratio Lower Upper

113 100

111 101.9 82.4 123.6

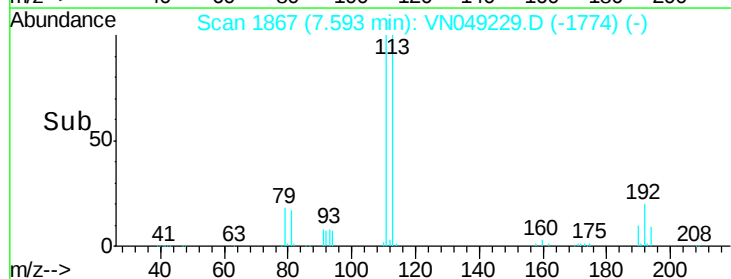
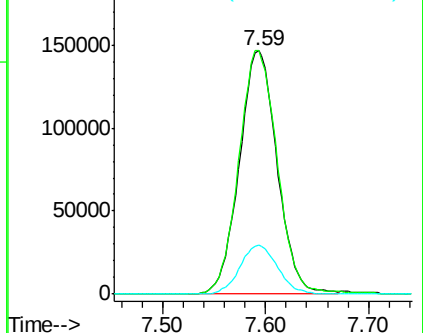
192 20.1 15.0 22.6

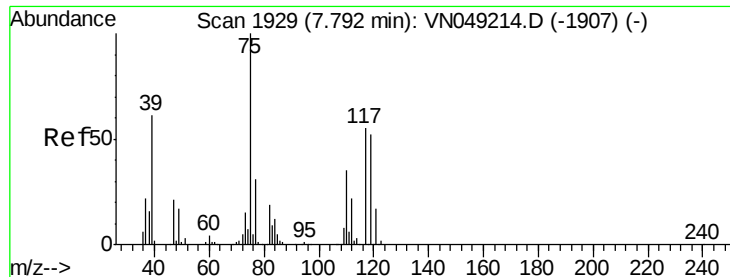


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

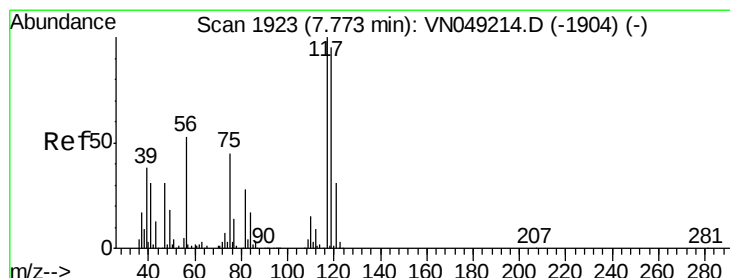
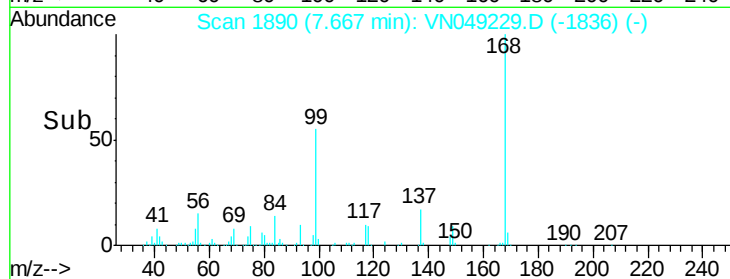
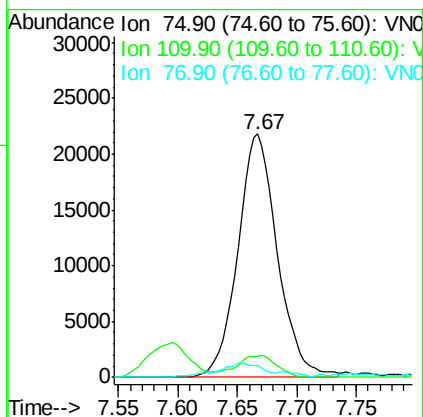
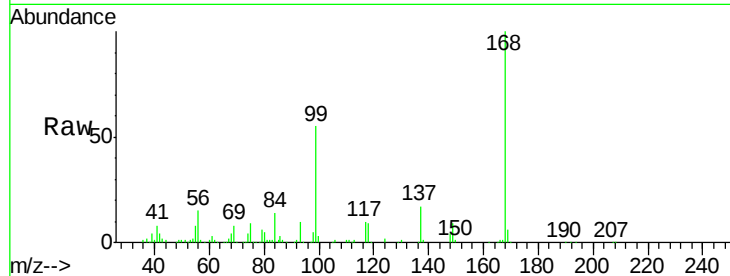




#36
 1,1-Dichloropropene
 Concen: 3.48 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049229.D
 Acq: 14 Jun 2018 15:50

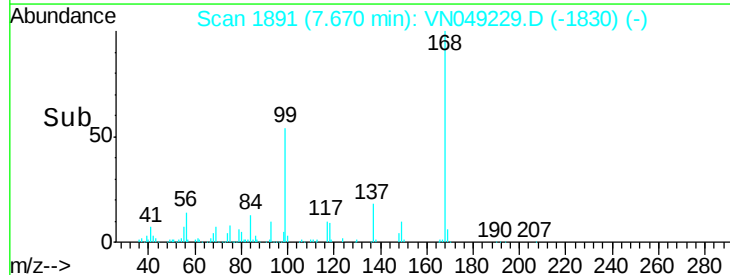
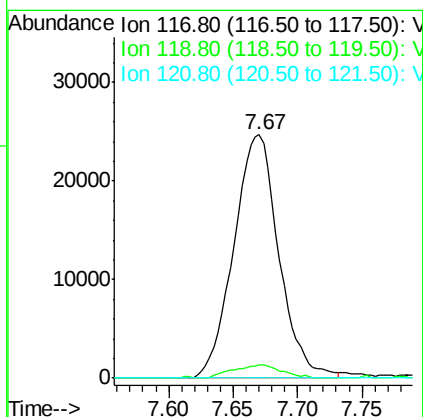
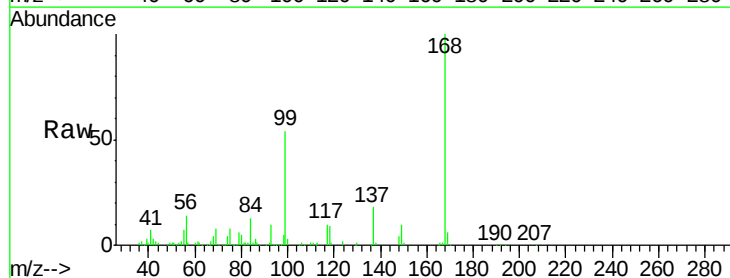
Instrument :
 MSVOA_N
 ClientSampled :

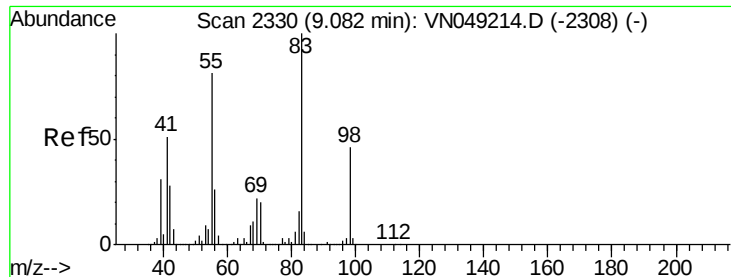
Tot Ion	75	Resp	50154
Ion Ratio	Lower	Upper	
75	100		
110	9.0	17.0	50.9#
77	4.5	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.13 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.10 min
 Lab File: VN049229.D
 Acq: 14 Jun 2018 15:50

Tgt Ion	117	Resp	59990
Ion Ratio <td>Lower</td> <td>Upper</td> <td></td>	Lower	Upper	
117	100		
119	5.4	75.6	113.4#
121	0.0	24.7	37.1#

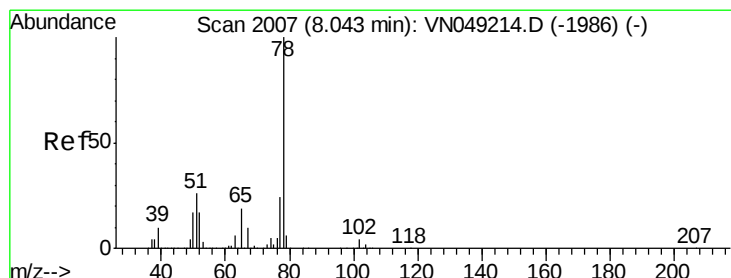
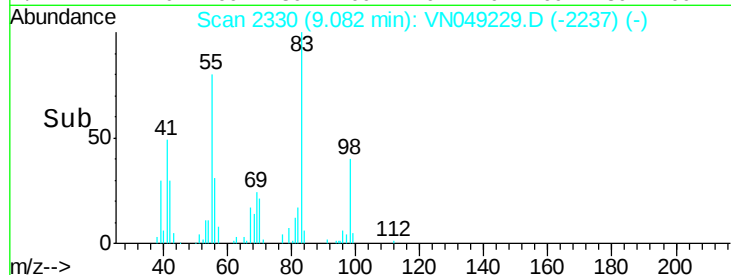
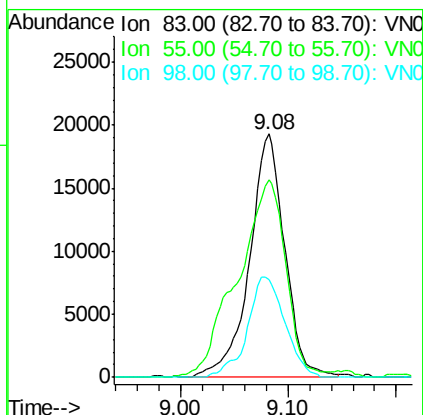
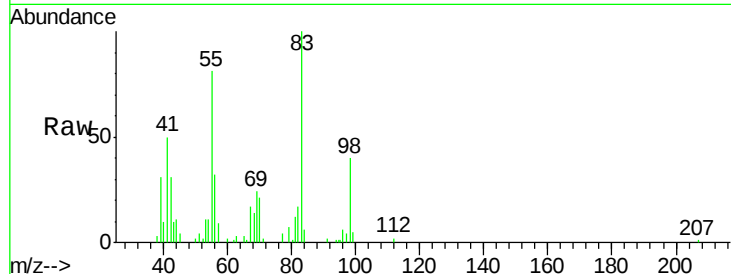




#39
Methvlcvclohexane
Concen: 2.93 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

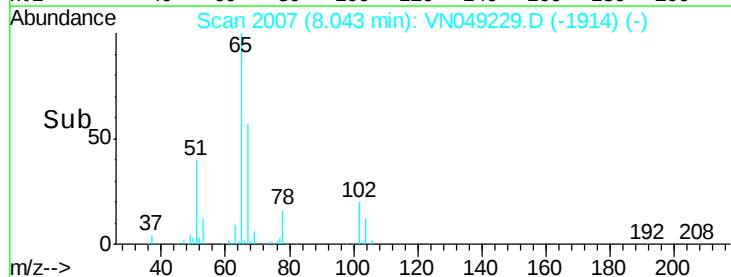
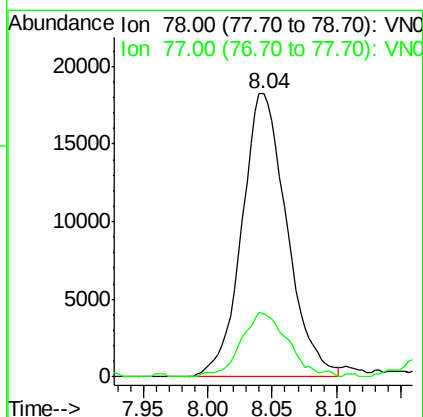
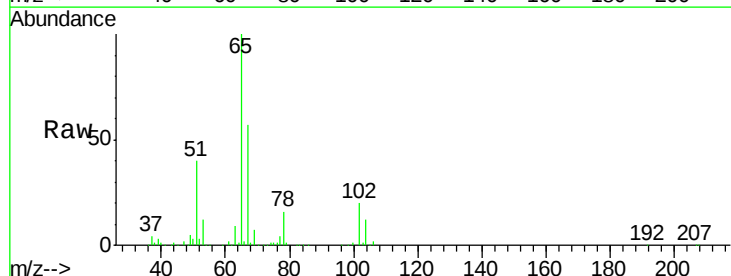
Instrument :
MSVOA_N
ClientSampled :

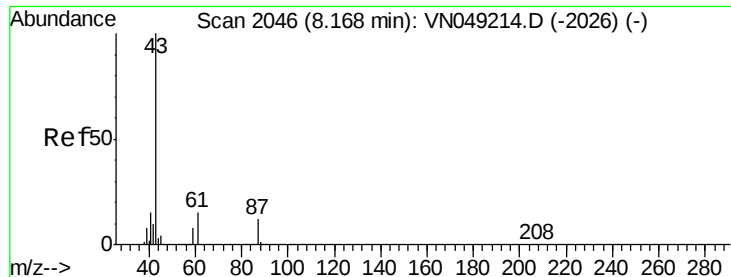
Tot Ion: 83 Resp: 43613
Ion Ratio Lower Upper
83 100
55 79.3 65.1 97.7
98 40.1 36.5 54.7



#40
Benzene
Concen: 1.02 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion: 78 Resp: 44377
Ion Ratio Lower Upper
78 100
77 22.4 19.4 29.0





#43

Isopropyl Acetate

Concen: 0.40 ug/l

RT: 8.15 min Scan# 2040

Delta R.T. -0.02 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

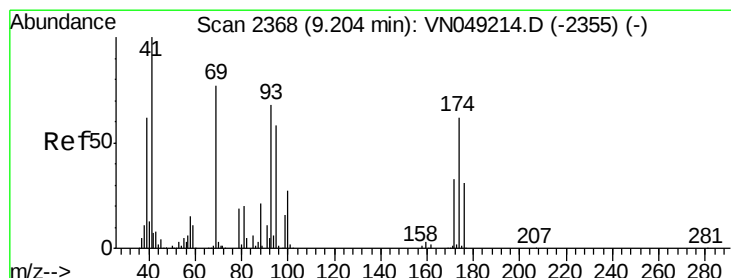
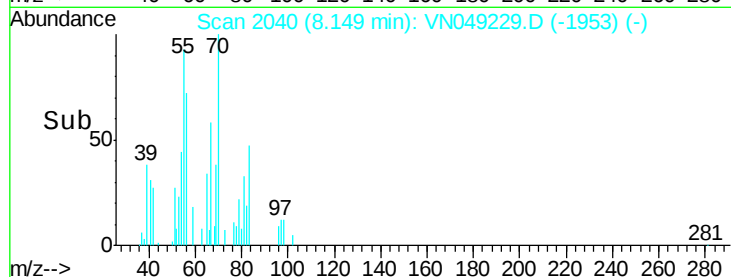
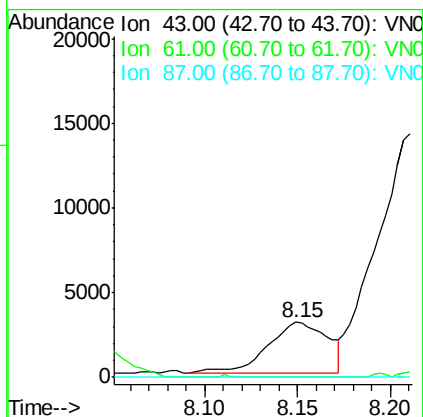
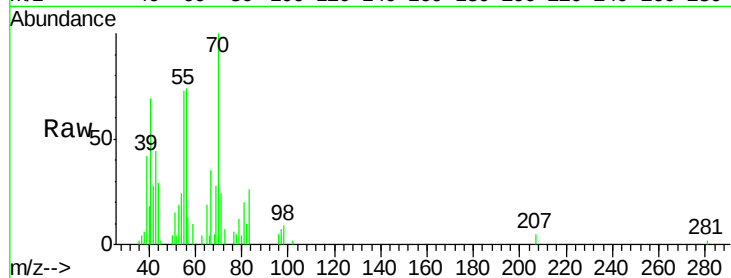
Tot Ion: 43 Resp: 6750

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#



#48

Methyl methacrylate

Concen: 0.51 ug/l

RT: 9.27 min Scan# 2389

Delta R.T. 0.07 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

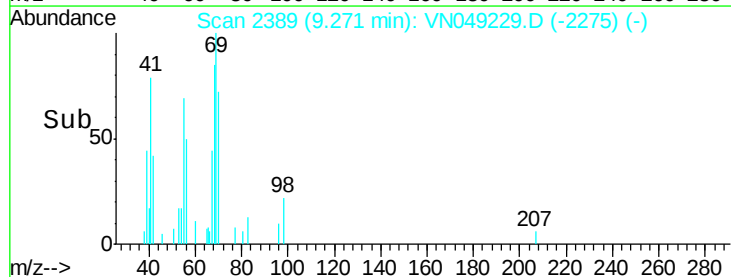
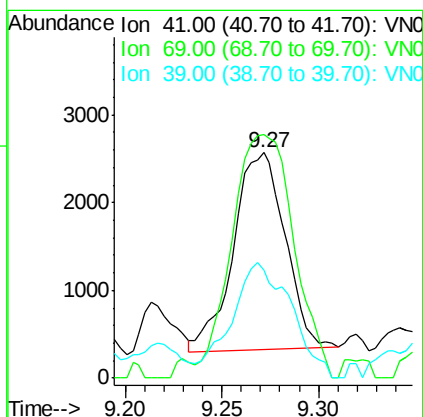
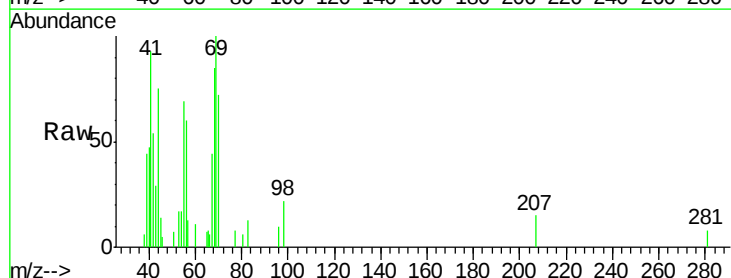
Tgt Ion: 41 Resp: 4179

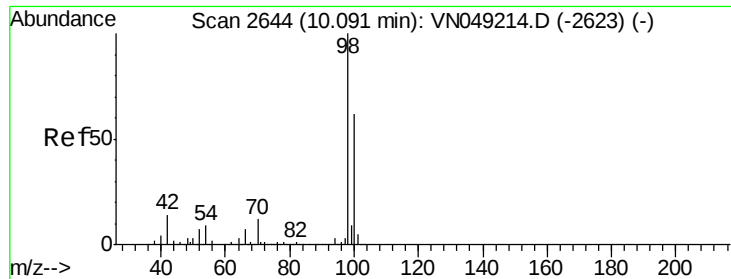
Ion Ratio Lower Upper

41 100

69 148.5 62.0 93.0#

39 67.5 50.6 75.8





#50

Toluene-d8

Concen: 38.97 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

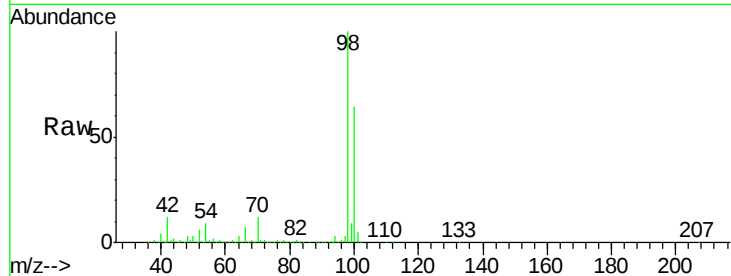
ClientSampleId :

Tot Ion: 98 Resp: 1449106

Ion Ratio Lower Upper

98 100

100 62.9 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

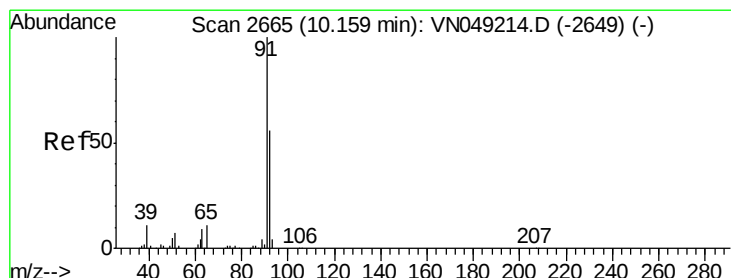
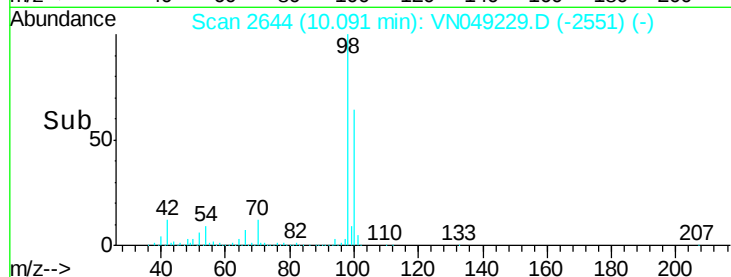
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 4.83 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049229.D

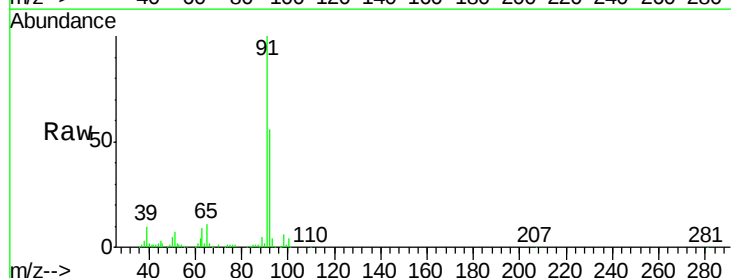
Acq: 14 Jun 2018 15:50

Tgt Ion: 92 Resp: 122924

Ion Ratio Lower Upper

92 100

91 183.0 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049214.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049214.D (-2649) (-)

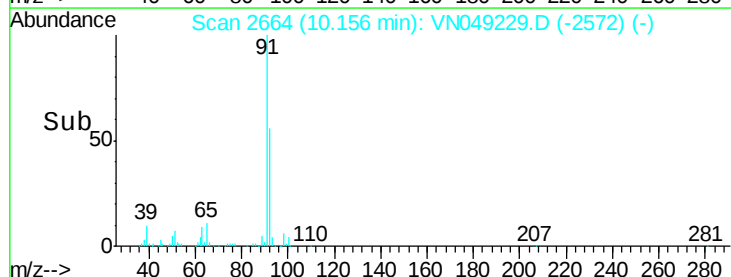
10.16

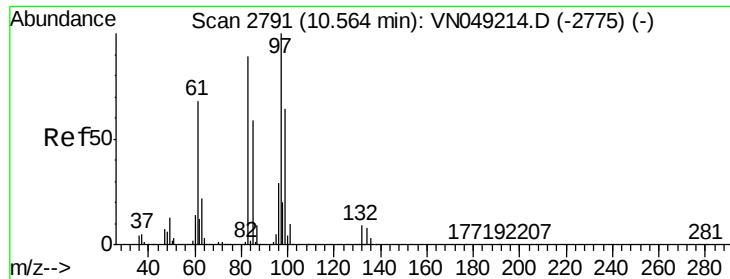
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 0.58 ug/l

RT: 10.53 min Scan# 2781

Delta R.T. -0.03 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 5399

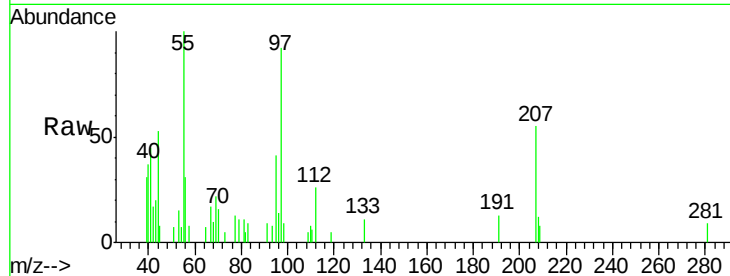
Ion Ratio Lower Upper

97 100

83 10.3 71.5 107.3#

85 0.0 47.0 70.4#

99 0.0 51.4 77.2#

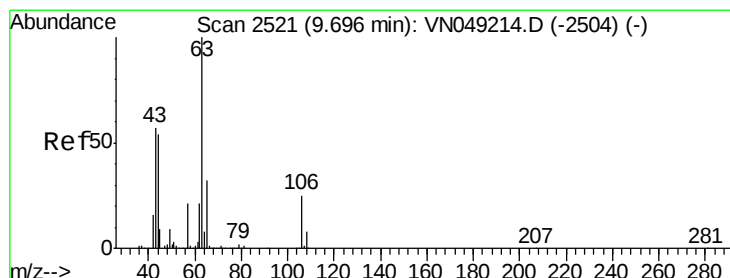
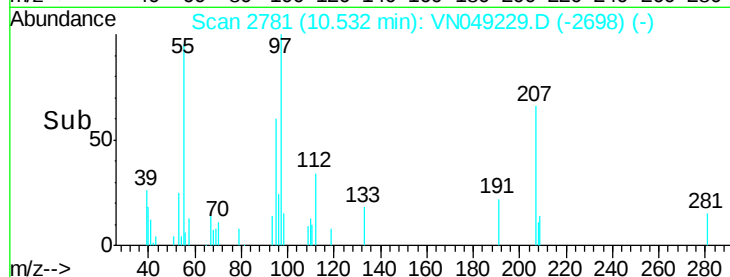
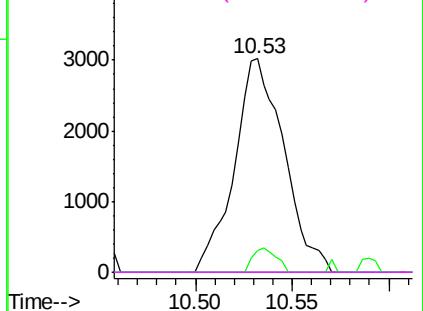


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 13.21 ug/l

RT: 9.62 min Scan# 2496

Delta R.T. -0.08 min

Lab File: VN049229.D

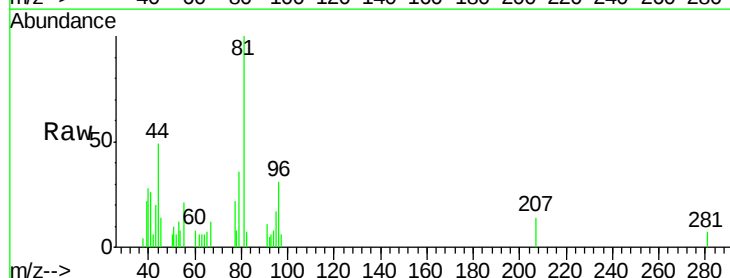
Acq: 14 Jun 2018 15:50

Tgt Ion: 63 Resp: 113

Ion Ratio Lower Upper

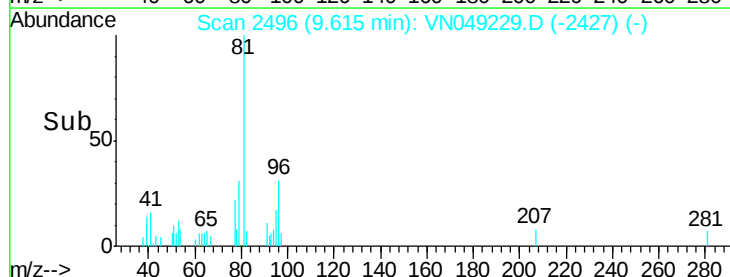
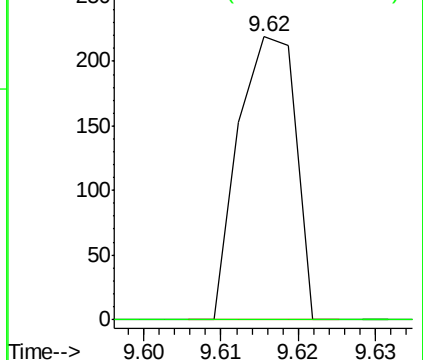
63 100

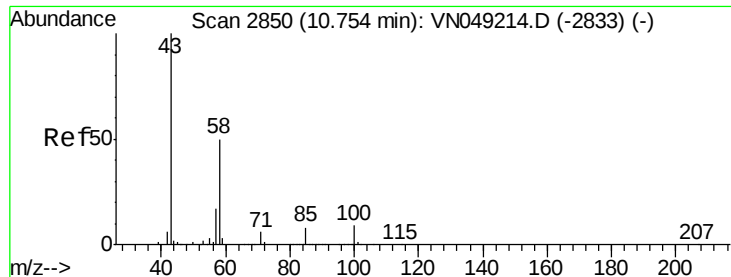
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

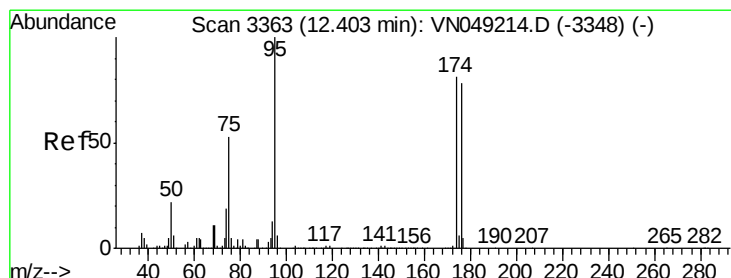
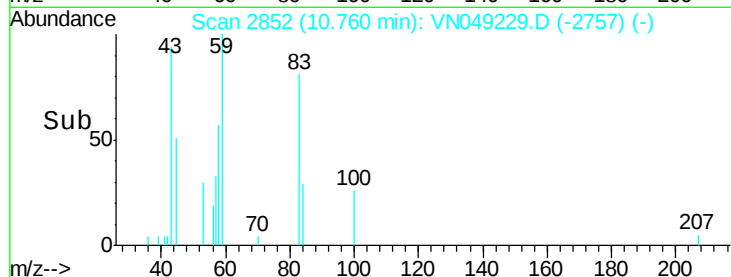
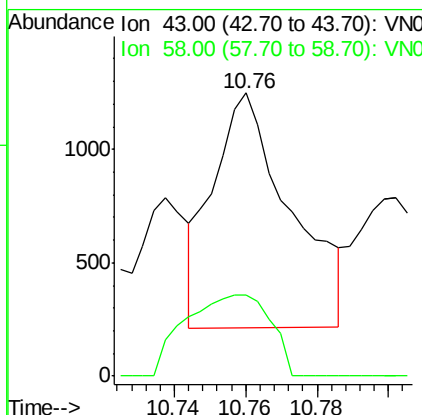
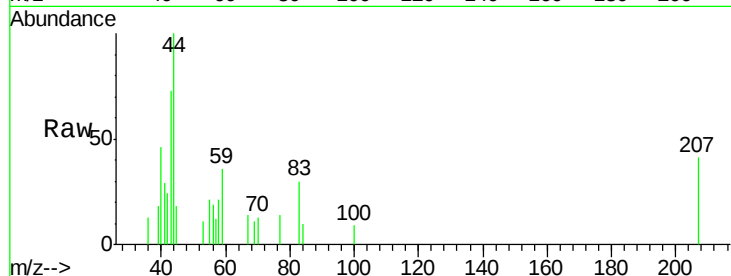




#59
2-Hexanone
Concen: 0.28 ug/l
RT: 10.76 min Scan# 2852
Delta R.T. 0.01 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

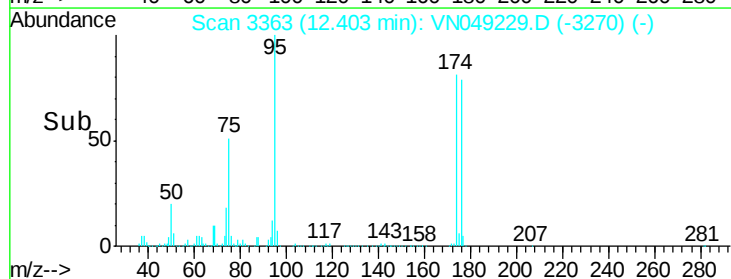
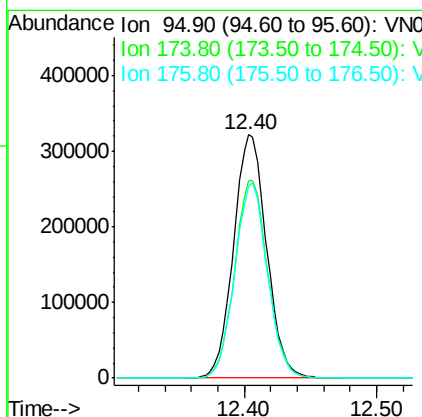
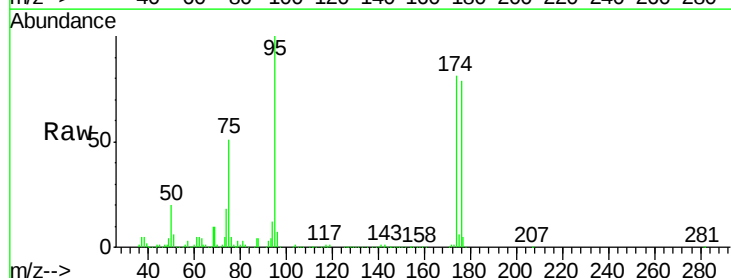
Instrument :
MSVOA_N
ClientSampled :

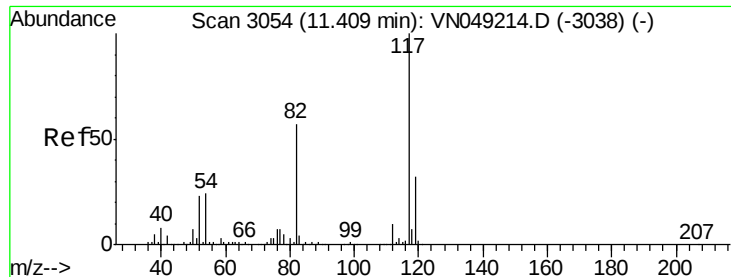
Tot Ion: 43 Resp: 1555
Ion Ratio Lower Upper
43 100
58 38.0 25.2 75.6



#62
4-Bromofluorobenzene
Concen: 45.04 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion: 95 Resp: 555858
Ion Ratio Lower Upper
95 100
174 81.6 0.0 165.6
176 79.2 0.0 157.4

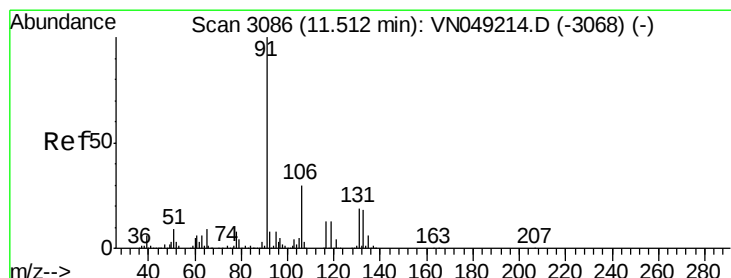
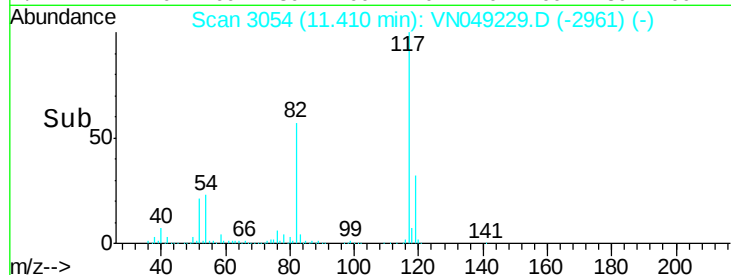
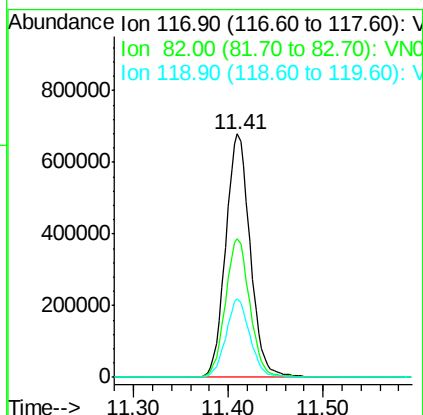
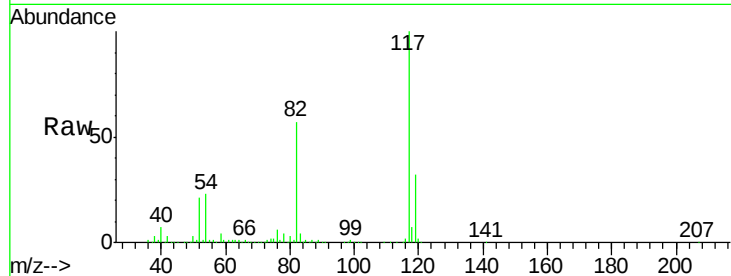




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

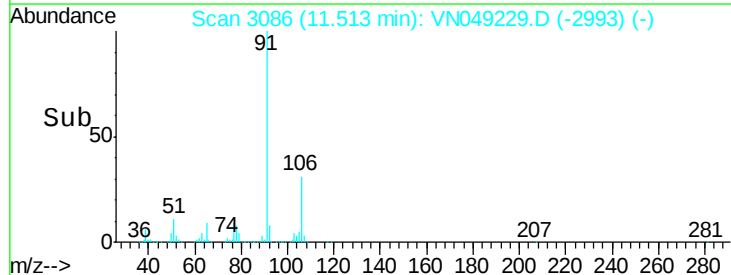
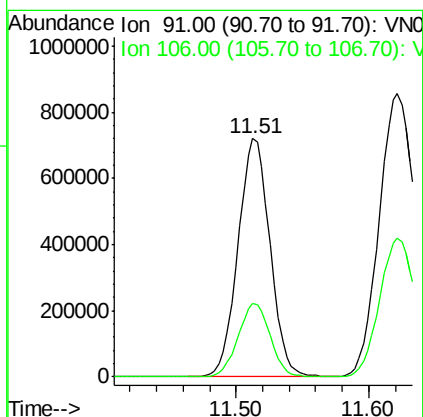
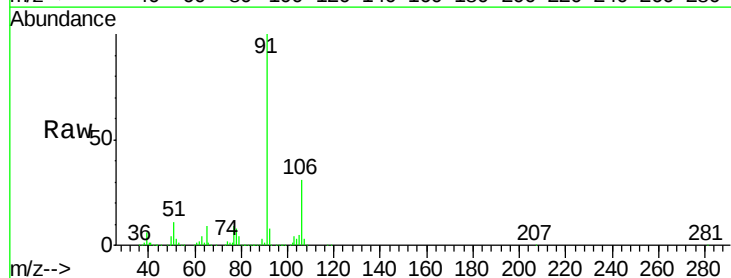
Instrument :
MSVOA_N
ClientSampleId :

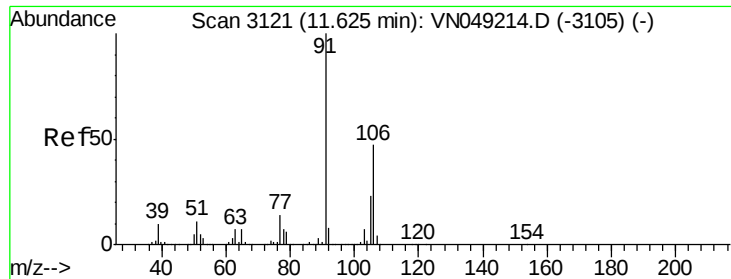
Tot Ion:117 Resp: 1223350
Ion Ratio Lower Upper
117 100
82 57.1 45.9 68.9
119 32.3 25.5 38.3



#67
Ethyl Benzene
Concen: 22.16 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion: 91 Resp: 1206514
Ion Ratio Lower Upper
91 100
106 30.6 23.9 35.9

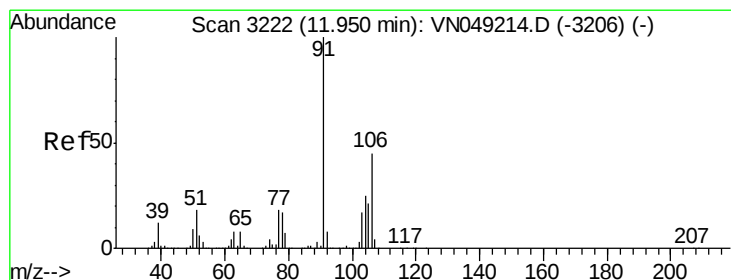
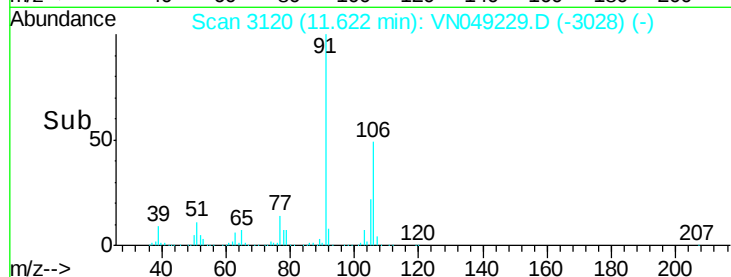
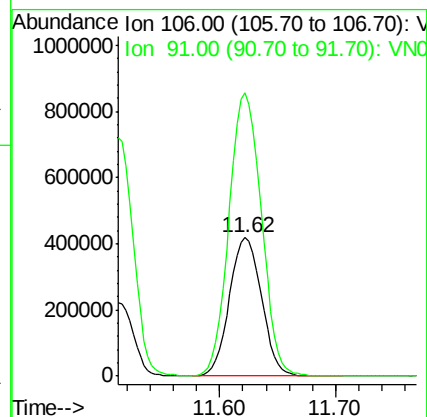
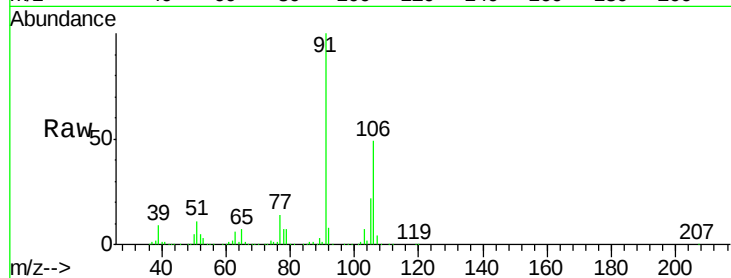




#68
m/p-Xylenes
Concen: 40.43 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

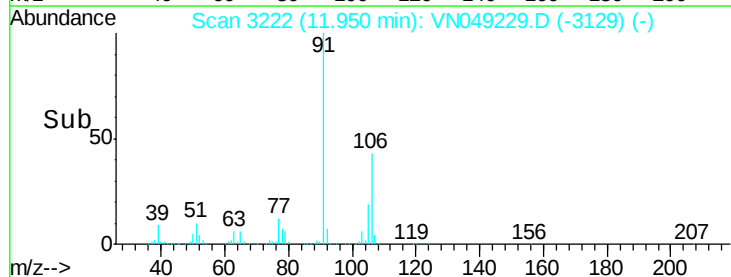
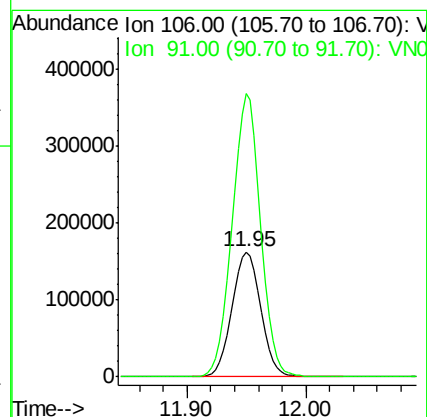
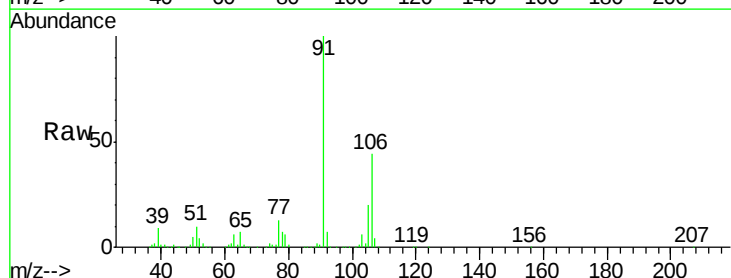
Instrument :
MSVOA_N
ClientSampled :

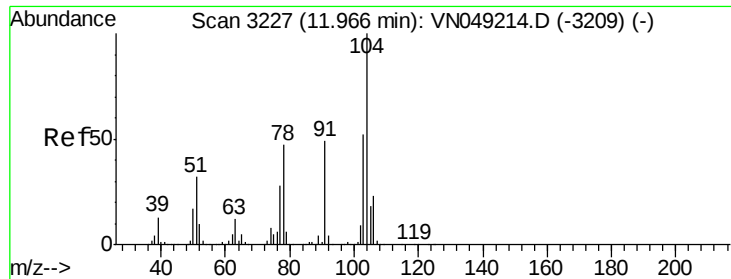
Tot Ion:106 Resp: 804996
Ion Ratio Lower Upper
106 100
91 206.2 167.3 250.9



#69
o-Xylene
Concen: 14.18 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion:106 Resp: 271870
Ion Ratio Lower Upper
106 100
91 221.9 111.0 333.0





#70

Stvrene

Concen: 0.54 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.02 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

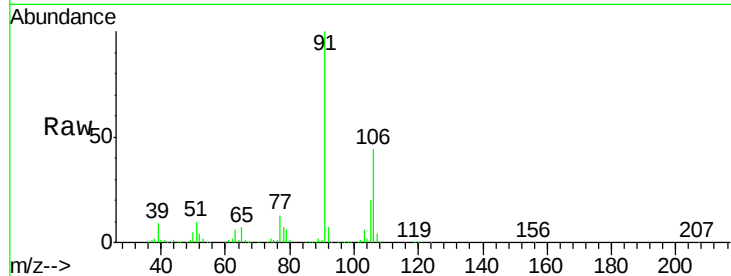
Tot Ion:104 Resp: 16297

Ion Ratio Lower Upper

104 100

78 259.1 41.6 62.4#

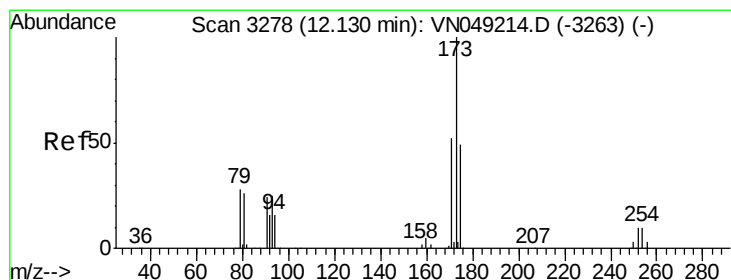
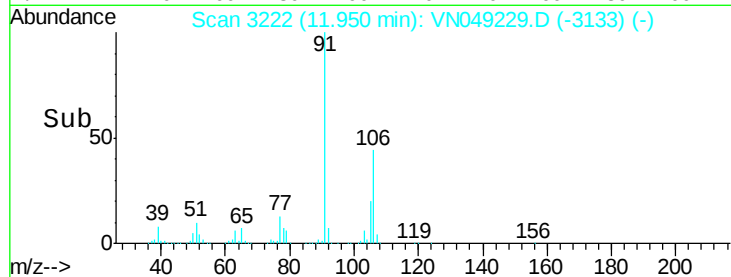
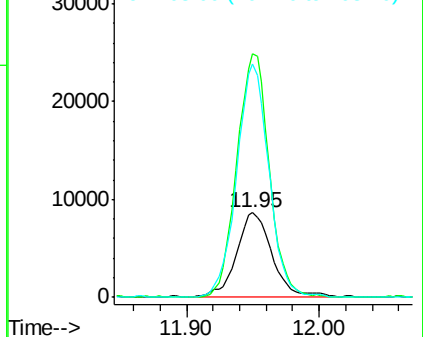
103 246.9 45.4 68.2#



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



#71

Bromoform

Concen: 0.55 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

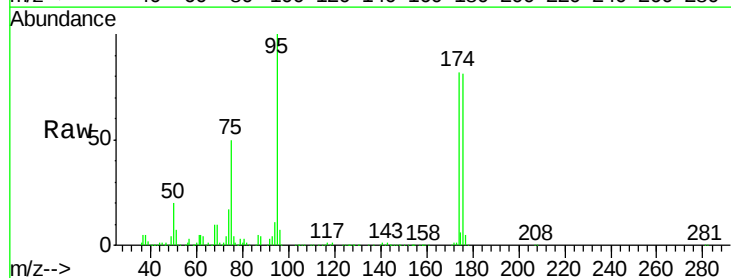
Tgt Ion:173 Resp: 4099

Ion Ratio Lower Upper

173 100

175 734.7 24.5 73.5#

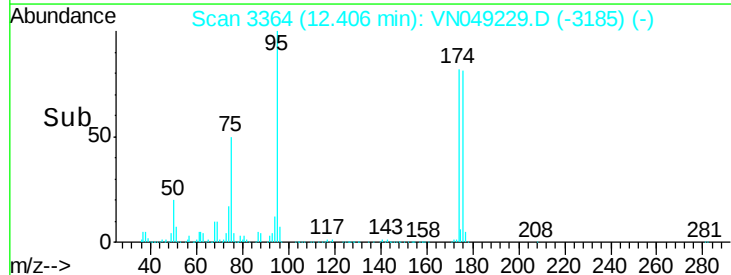
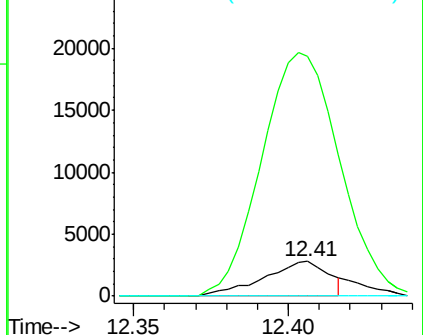
254 0.0 0.1 0.1#

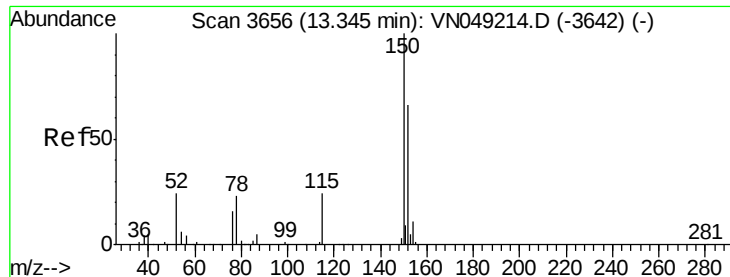


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

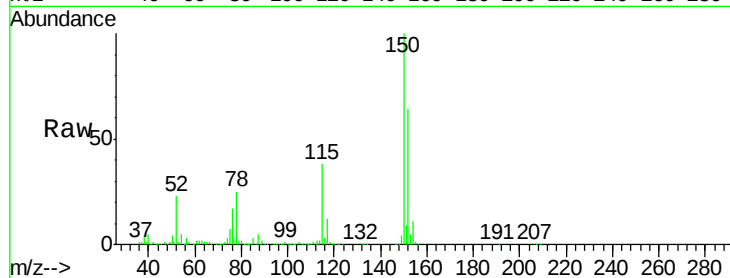
Tot Ion:152 Resp: 440576

Ion Ratio Lower Upper

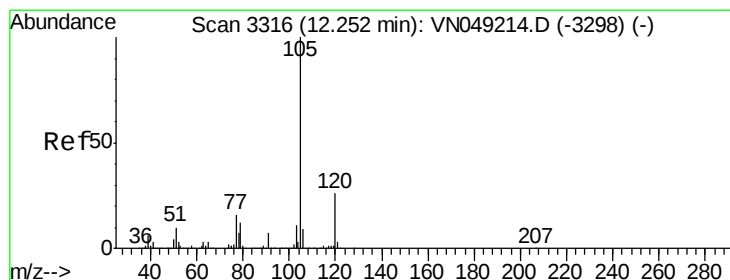
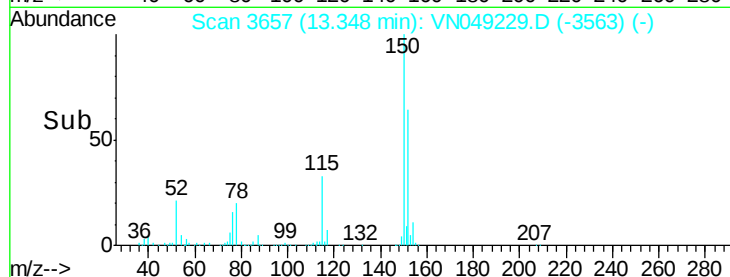
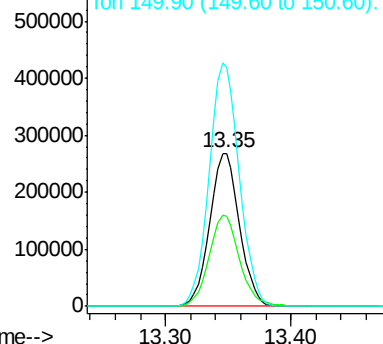
152 100

115 61.1 28.7 86.1

150 160.9 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: 2.50 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049229.D

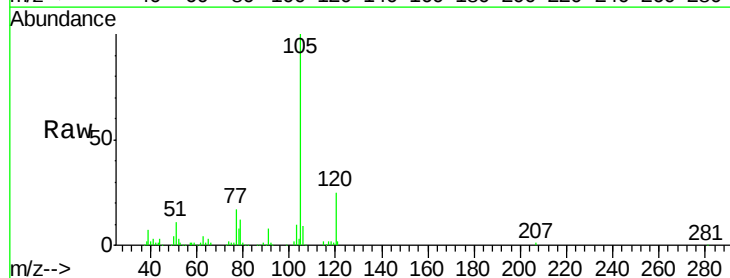
Acq: 14 Jun 2018 15:50

Tgt Ion:105 Resp: 105583

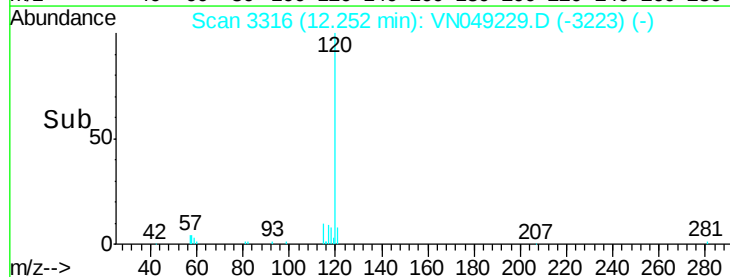
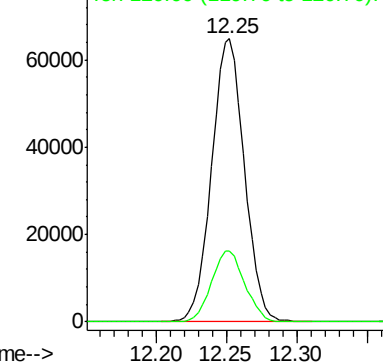
Ion Ratio Lower Upper

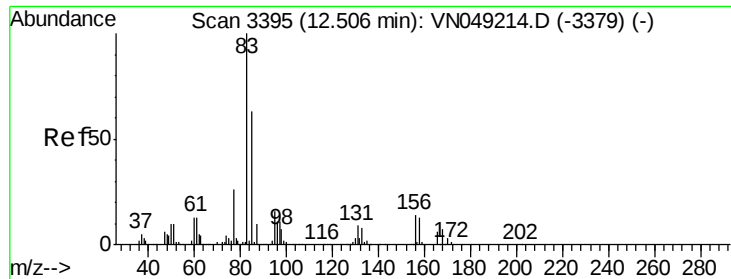
105 100

120 25.5 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: 12.43 min Scan# 3372

Delta R.T. -0.07 min

Lab File: VN049229.D

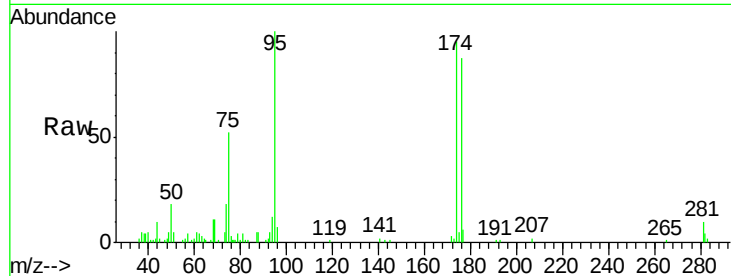
Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

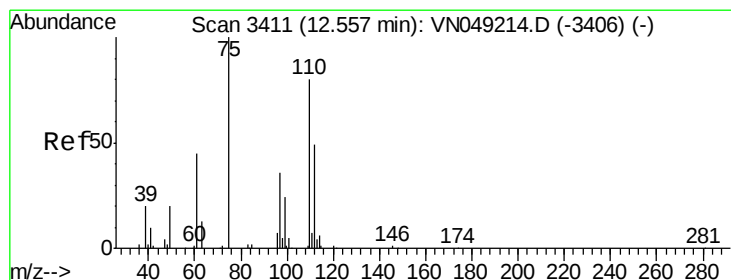
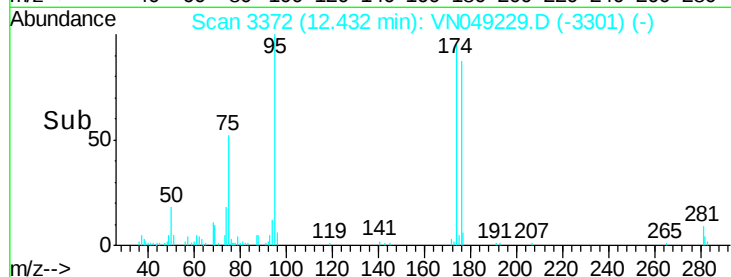
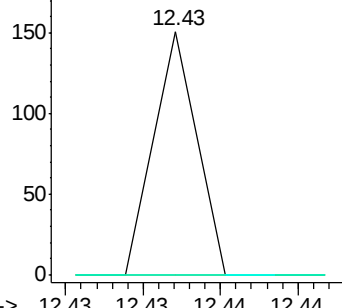
Tot Ion:	83	Resp:	29
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	32.0	96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN049229.D (-3379) (-)

Ion 130.80 (130.50 to 131.50): VN049229.D (-3379) (-)

Ion 84.90 (84.60 to 85.60): VN049229.D (-3379) (-)



#76

1,2,3-Trichloropropane

Concen: 37.99 ug/l

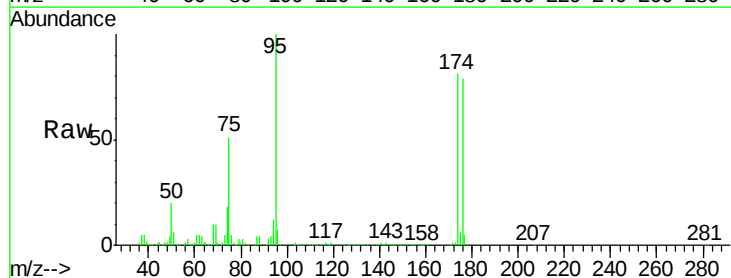
RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049229.D

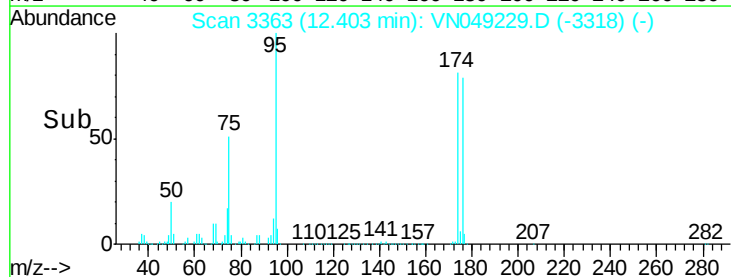
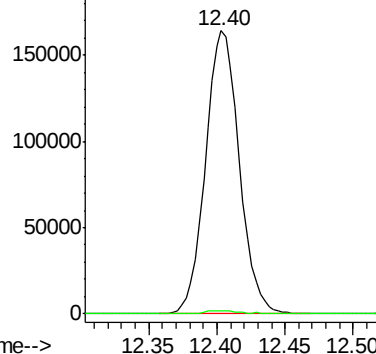
Acq: 14 Jun 2018 15:50

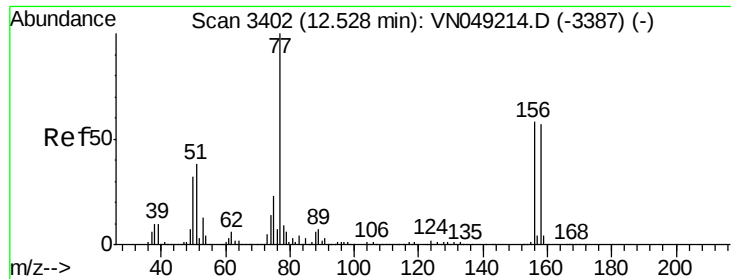
Tgt Ion:	75	Resp:	281218
Ion	Ratio	Lower	Upper
75	100		
77	0.9	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049229.D (-3318) (-)

Ion 77.00 (76.70 to 77.70): VN049229.D (-3318) (-)





#77

Bromobenzene

Concen: Below Cal

RT: 12.54 min Scan# 3405

Delta R.T. 0.01 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

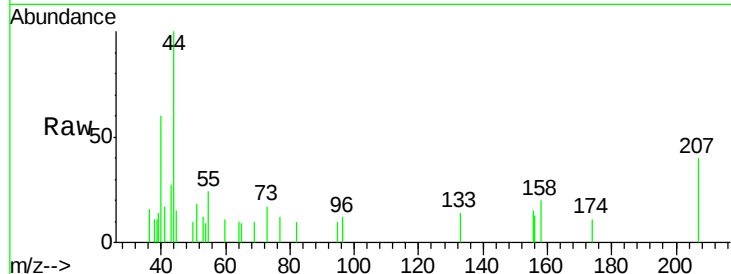
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:156 Resp: 762

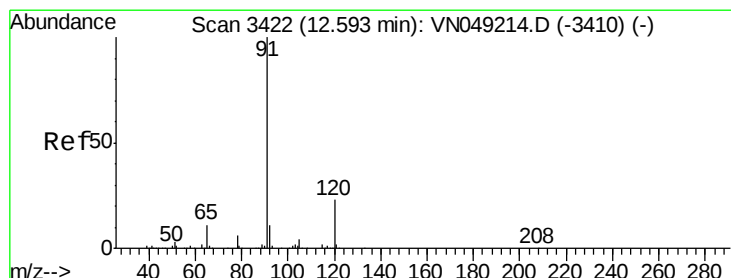
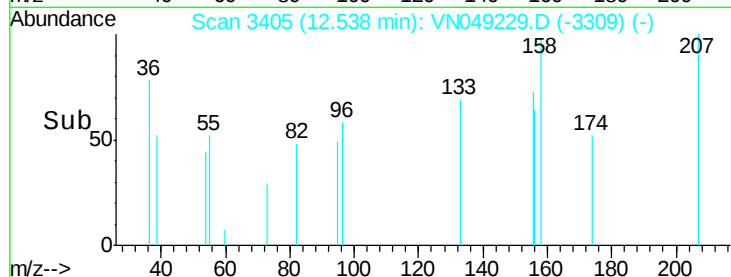
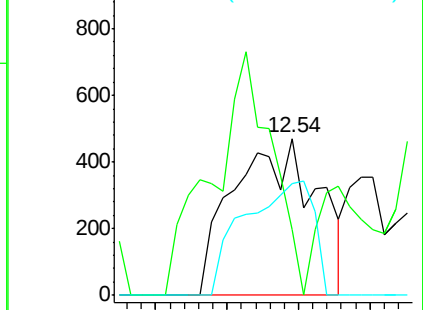
Ion	Ratio	Lower	Upper
156	100		
77	0.0	100.8	302.4#
158	60.2	49.3	147.9



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: 4.72 ug/l

RT: 12.59 min Scan# 3422

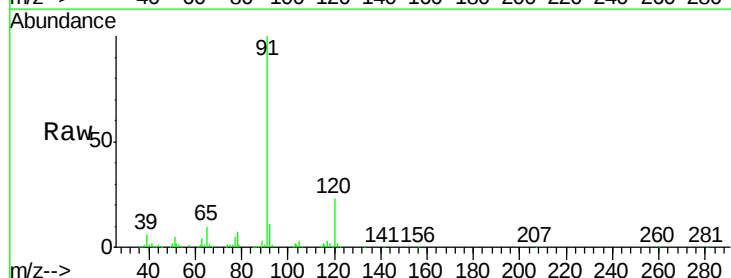
Delta R.T. 0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

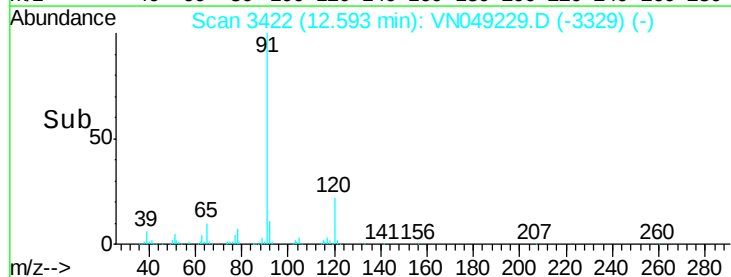
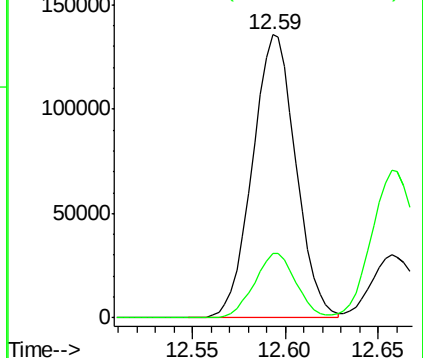
Tgt Ion: 91 Resp: 221691

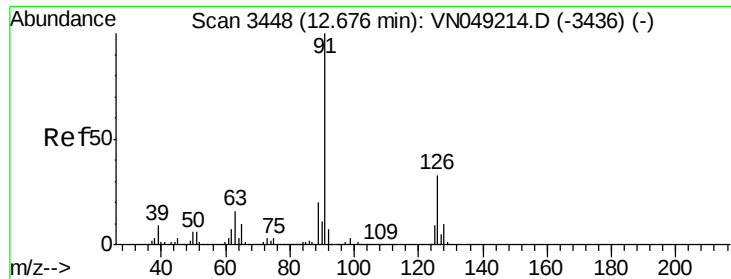
Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.53 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

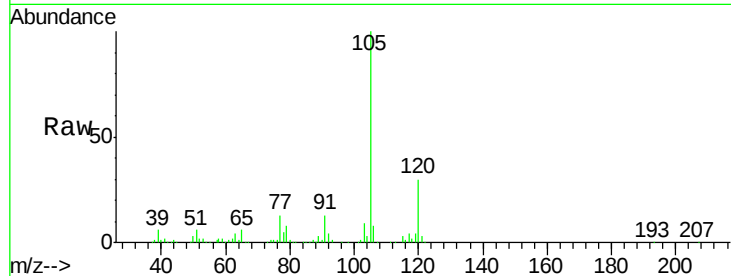
ClientSampled :

Tot Ion: 91 Resp: 45463

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) (-)

100000

80000

60000

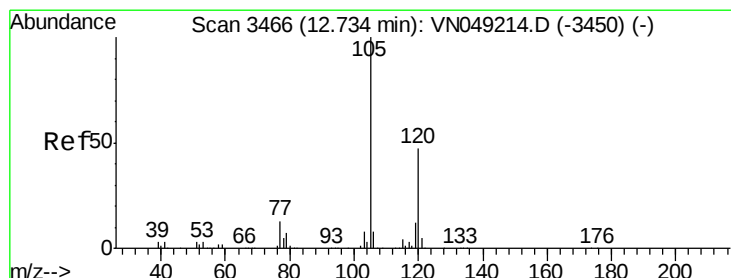
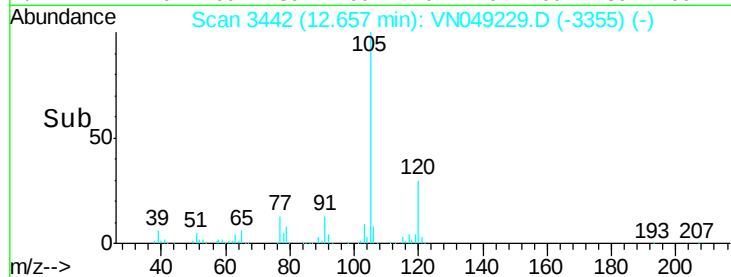
40000

20000

0

12.65

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 5.09 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049229.D

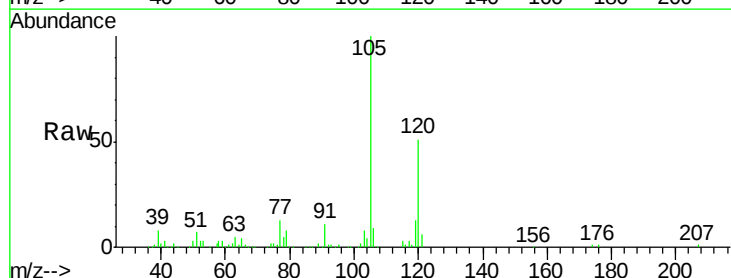
Acq: 14 Jun 2018 15:50

Tgt Ion:105 Resp: 165088

Ion Ratio Lower Upper

105 100

120 48.2 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) (-)

200000

150000

100000

50000

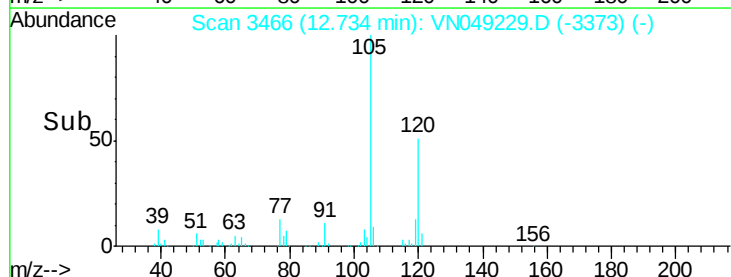
0

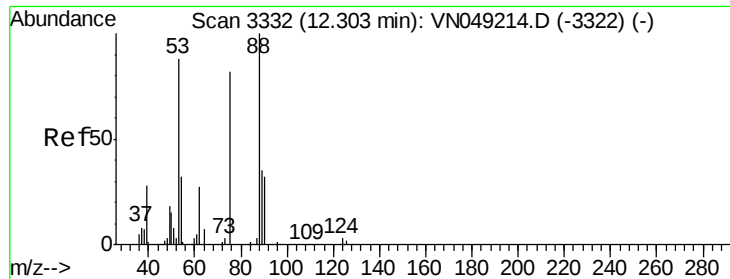
12.70

12.73

12.80

Time-->

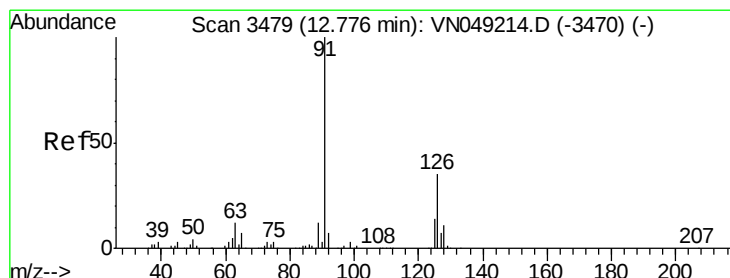
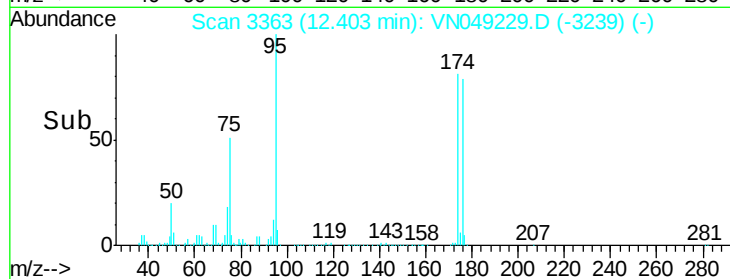
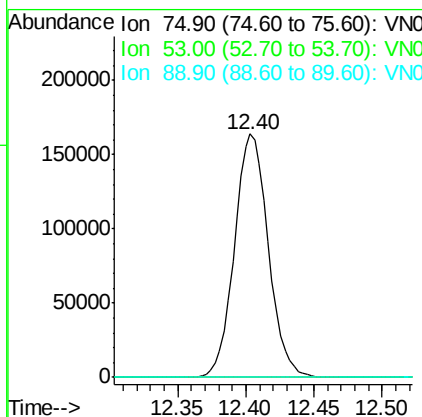
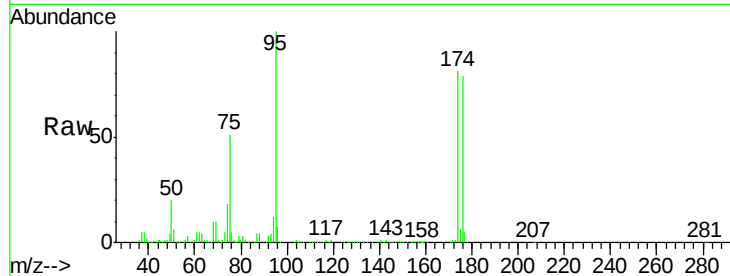




#81
trans-1,4-Dichloro-2-butene
Concen: 106.64 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

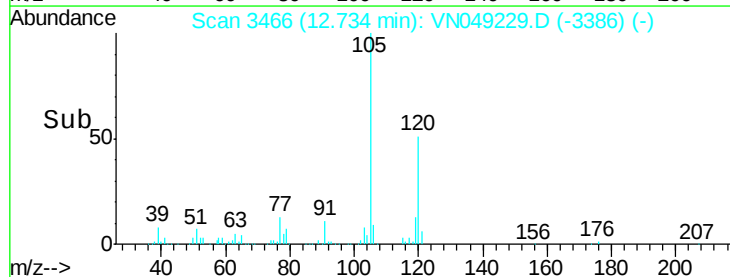
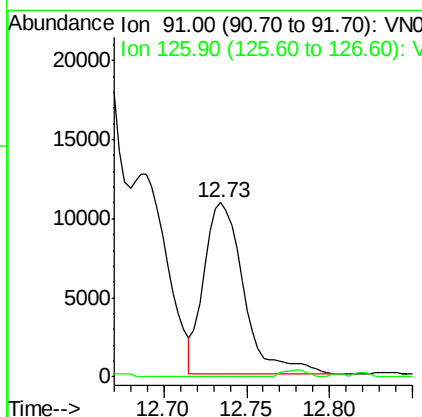
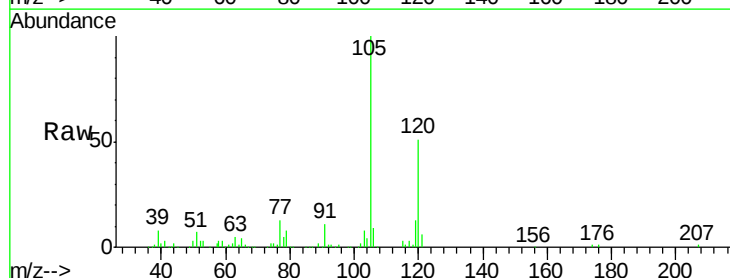
Instrument :
MSVOA_N
ClientSampled :

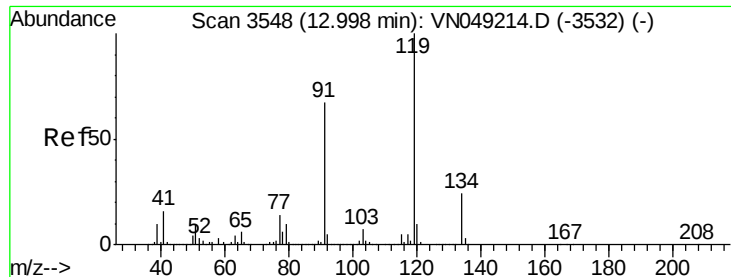
Tot Ion: 75 Resp: 281218
Ion Ratio Lower Upper
75 100
53 0.0 82.7 124.1#
89 0.0 36.5 54.7#



#82
4-Chlorotoluene
Concen: 0.65 ug/l
RT: 12.73 min Scan# 3466
Delta R.T. -0.04 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion: 91 Resp: 18330
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.1#





#83

tert-Butylbenzene

Concen: 3.41 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.05 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampleId :

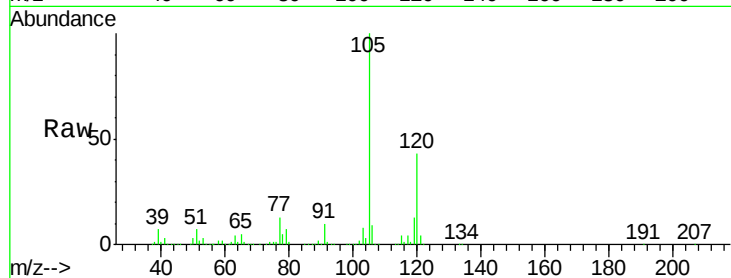
Tot Ion:119 Resp: 95288

Ion Ratio Lower Upper

119 100

91 81.7 33.7 101.0

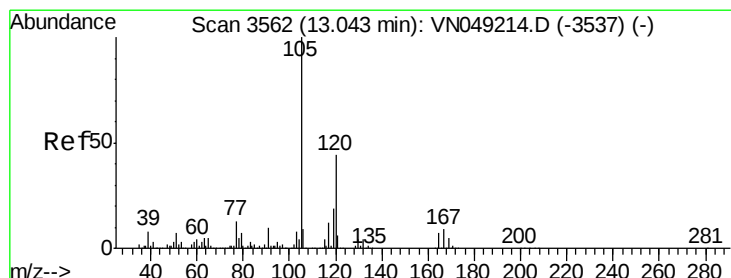
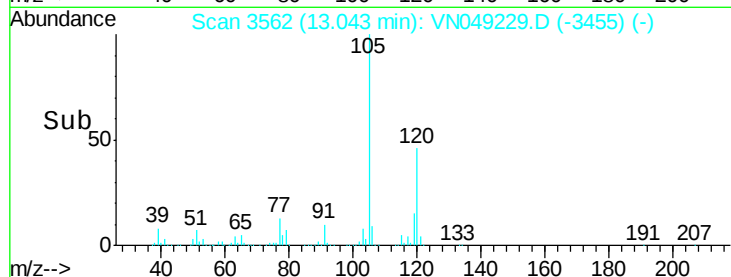
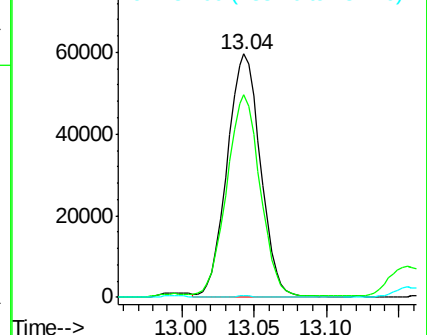
134 0.5 12.9 38.6#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 23.33 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049229.D

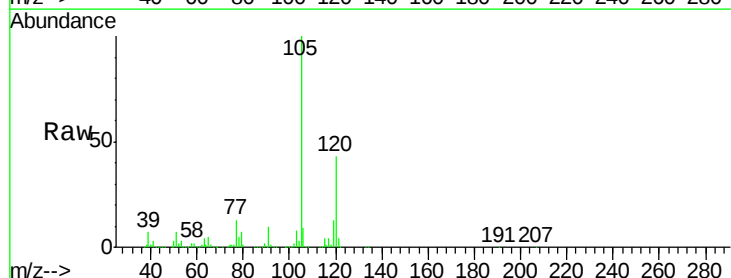
Acq: 14 Jun 2018 15:50

Tgt Ion:105 Resp: 752441

Ion Ratio Lower Upper

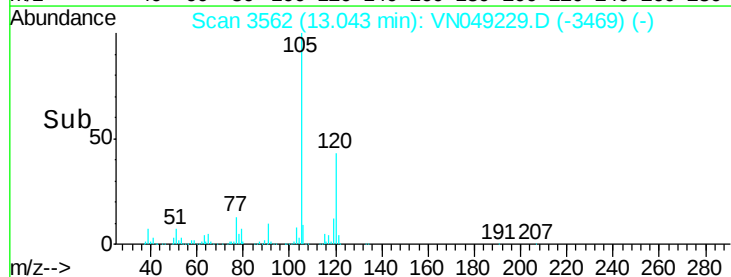
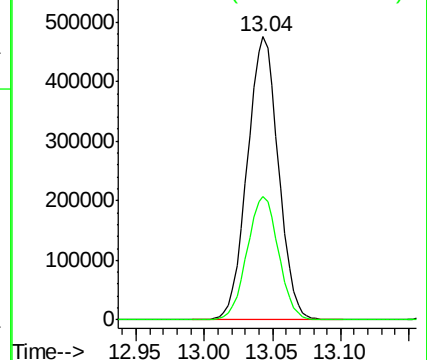
105 100

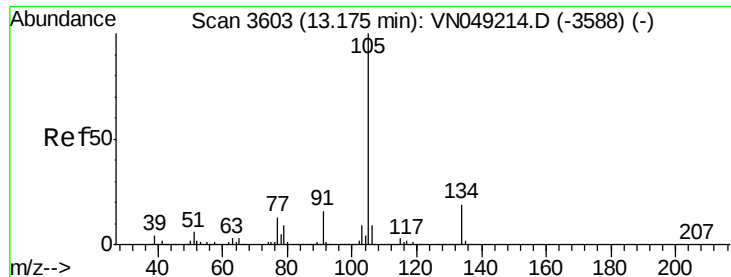
120 44.0 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.19 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

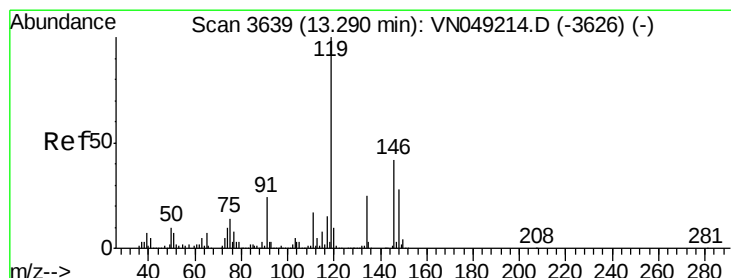
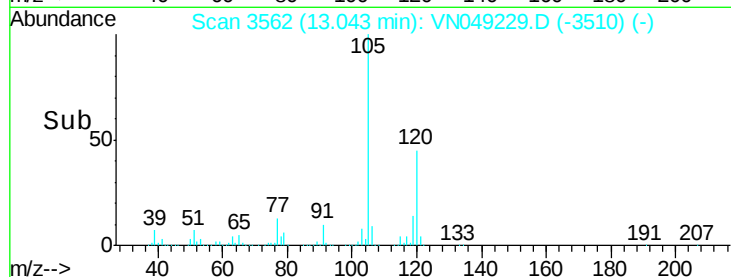
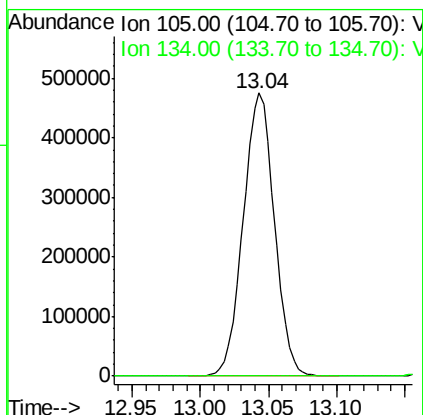
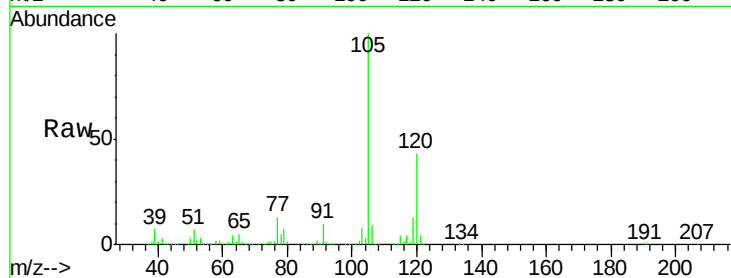
ClientSampleId :

Tot Ion:105 Resp: 752441

Ion Ratio Lower Upper

105 100

134 0.1 9.8 29.3#



#86

p-Isopropyltoluene

Concen: 0.45 ug/l

RT: 13.24 min Scan# 3622

Delta R.T. -0.05 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

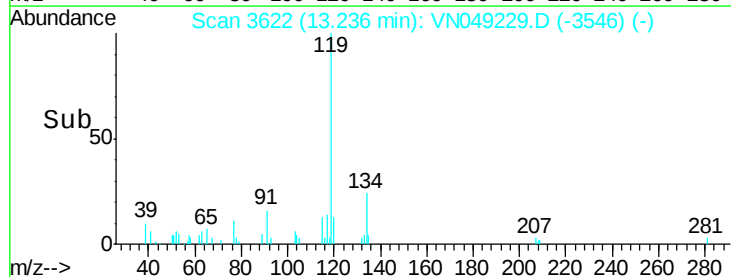
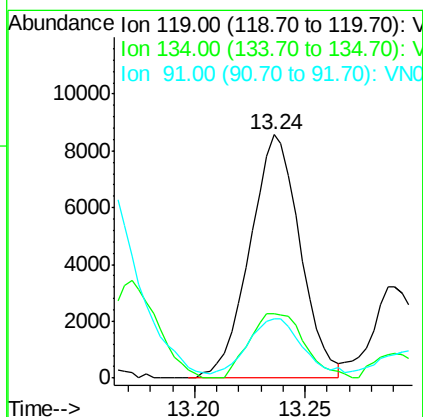
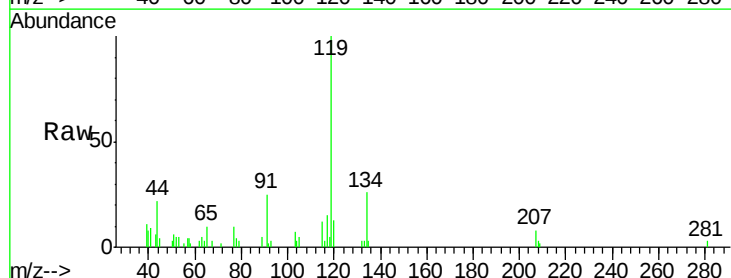
Tgt Ion:119 Resp: 13507

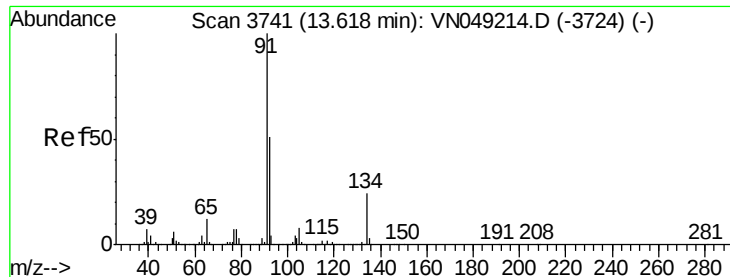
Ion Ratio Lower Upper

119 100

134 29.1 12.9 38.6

91 22.8 12.1 36.3

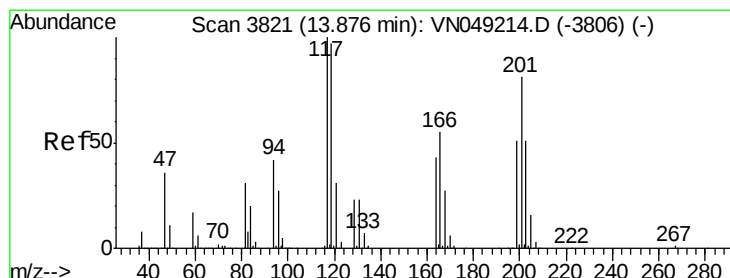
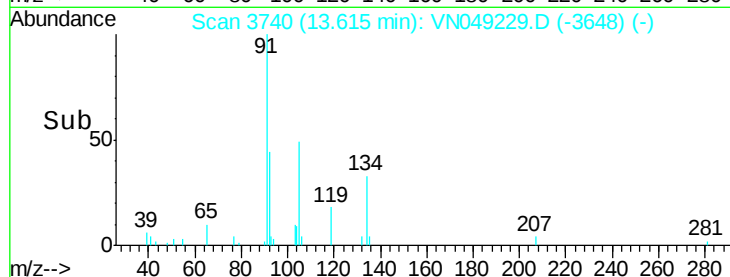
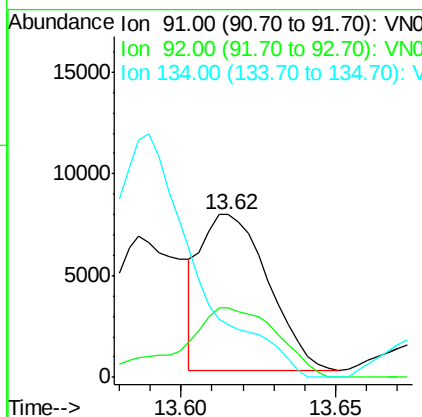
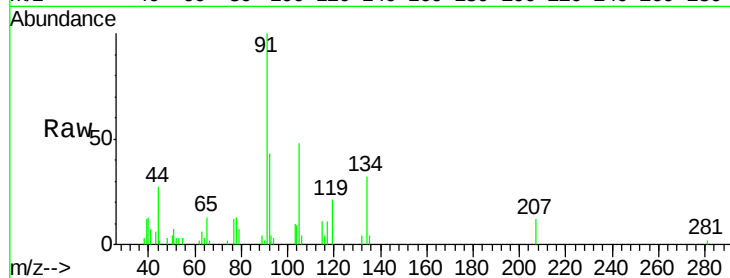




#89
n-Butylbenzene
Concen: 1.98 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

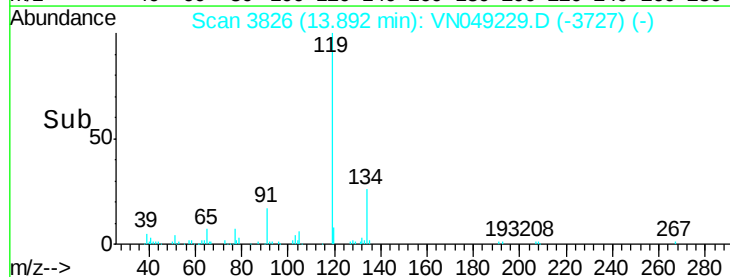
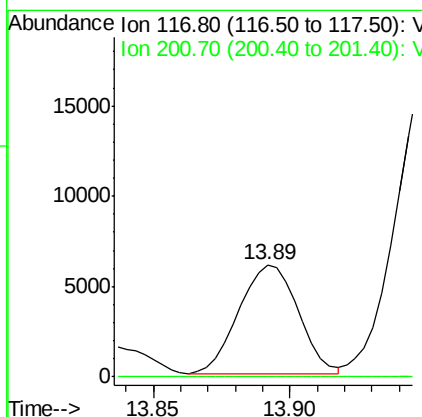
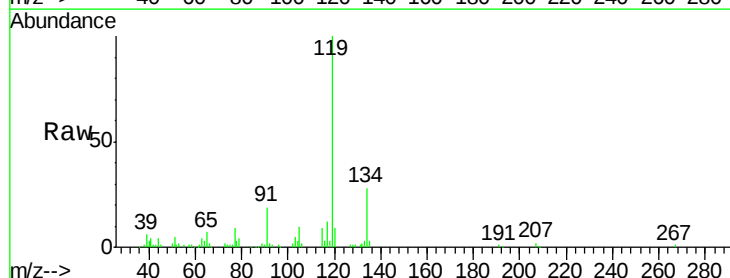
Instrument :
MSVOA_N
ClientSampleId :

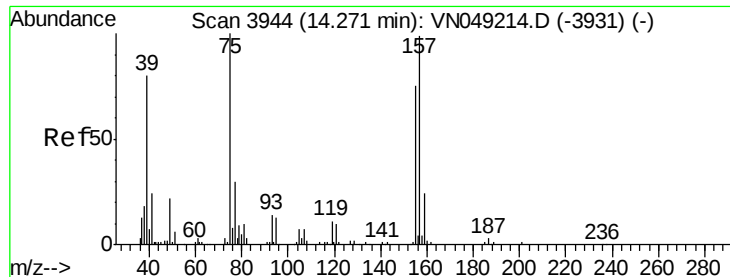
Tot Ion: 91 Resp: 11527
Ion Ratio Lower Upper
91 100
92 65.4 25.1 75.4
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Tgt Ion: 117 Resp: 9120
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.30 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

Instrument :

MSVOA_N

ClientSampled :

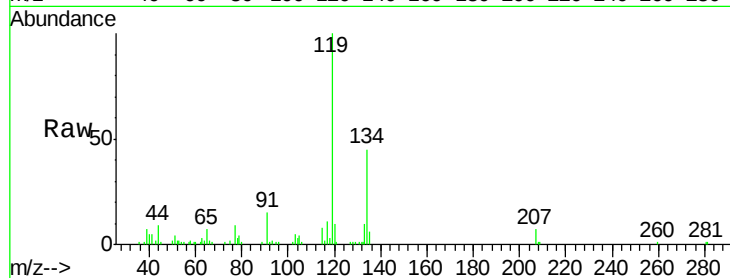
Tot Ion: 75 Resp: 447

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

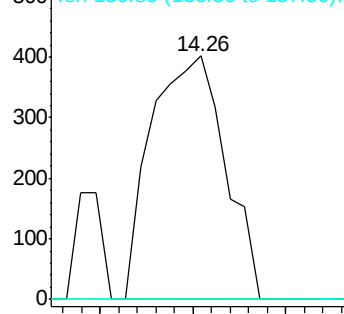
157 0.0 51.0 153.1#



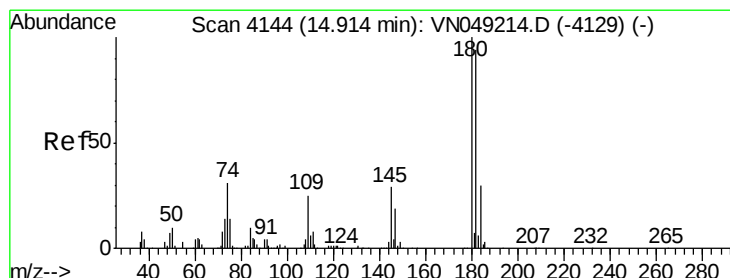
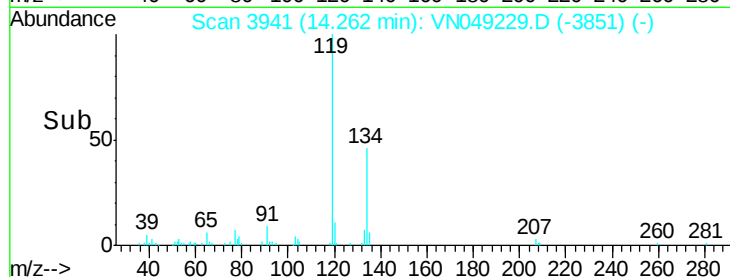
Abundance Ion 74.90 (74.60 to 75.60): VN049229.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049229.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049229.D (-3851) (-)



Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.48 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049229.D

Acq: 14 Jun 2018 15:50

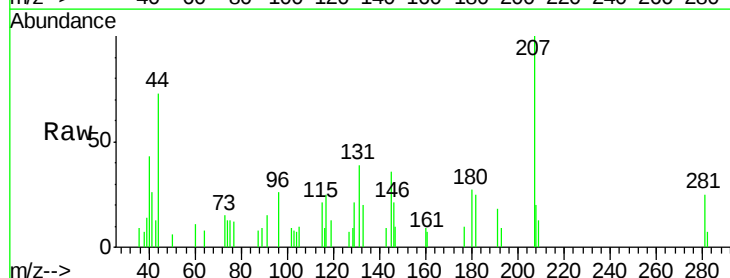
Tgt Ion: 180 Resp: 735

Ion Ratio Lower Upper

180 100

182 70.2 46.9 140.8

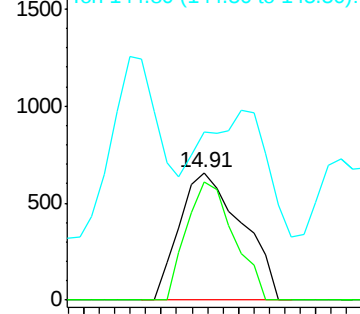
145 103.9 14.7 44.1#



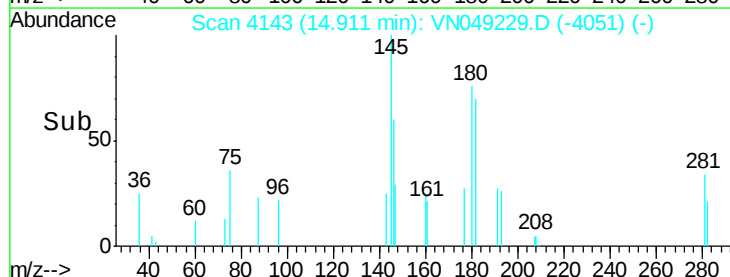
Abundance Ion 179.80 (179.50 to 180.50): VN049229.D (-4051) (-)

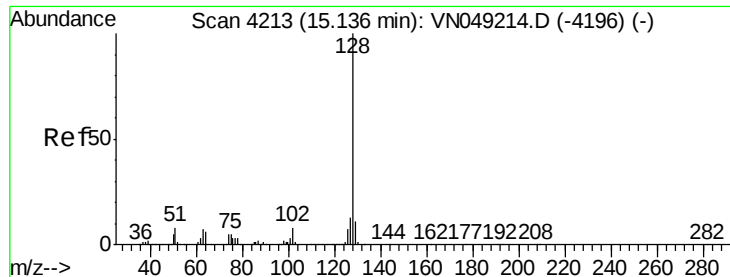
Ion 181.80 (181.50 to 182.50): VN049229.D (-4051) (-)

Ion 144.80 (144.50 to 145.50): VN049229.D (-4051) (-)



Time-->

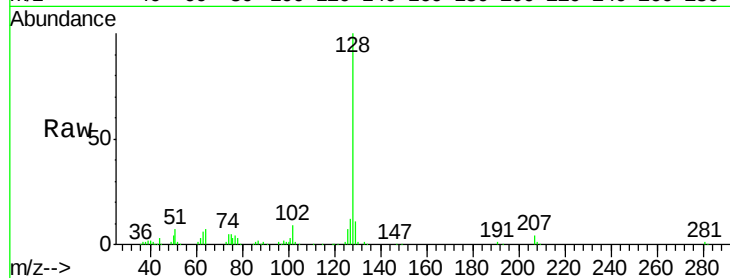




#95
Naphthalene
Concen: 13.88 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049229.D
Acq: 14 Jun 2018 15:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.6	16.0
129	11.2	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

