

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049329.D
 Acq On : 16 Jun 2018 23:47
 Operator : MD\SY
 Sample : J3435-09 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 03:24:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1409351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2054812	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1740500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	742956	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	837991	44.83	ug/l	0.00
Spiked Amount			Recovery	=	89.66%	
35) Dibromofluoromethane	7.59	113	754516	45.39	ug/l	0.00
Spiked Amount			Recovery	=	90.78%	
50) Toluene-d8	10.09	98	2882190	45.53	ug/l	0.00
Spiked Amount			Recovery	=	91.06%	
62) 4-Bromofluorobenzene	12.40	95	893918	42.71	ug/l	0.00
Spiked Amount			Recovery	=	85.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	2522	0.22	ug/l #	56
11) Tert butyl alcohol	4.79	59	658	0.60	ug/l #	70
13) Acrolein	3.56	56	7445	6.47	ug/l #	1
14) Allyl chloride	4.42	41	19409	0.76	ug/l #	75
15) Acrylonitrile	5.05	53	9899	1.80	ug/l #	30
16) Acetone	3.80	43	25015	5.51	ug/l #	61
18) Methyl Acetate	4.34	43	24788	1.79	ug/l #	86
25) 2-Butanone	6.63	43	85626	14.05	ug/l #	50
31) Cyclohexane	7.65	56	488590	17.56	ug/l #	89
36) 1,1-Dichloropropene	7.67	75	98885	4.20	ug/l #	58
38) Carbon Tetrachloride	7.67	117	124121	5.09	ug/l #	17
39) Methylcyclohexane	9.08	83	191541	7.58	ug/l	95
40) Benzene	8.04	78	431335	5.97	ug/l	98
43) Isopropyl Acetate	8.23	43	115080	4.70	ug/l #	64
48) Methyl methacrylate	9.27	41	12955	1.12	ug/l #	41
49) 1,4-Dioxane	9.20	88	161	1.01	ug/l #	37
52) Toluene	10.16	92	358289	8.46	ug/l	96
55) 1,1,2-Trichloroethane	10.53	97	9468	0.60	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.70	63	74	14.34	ug/l #	51
67) Ethyl Benzene	11.51	91	6519212	87.66	ug/l	98
68) m/p-Xylenes	11.62	106	6599221	236.44	ug/l	97
69) o-Xylene	11.95	106	1829316	68.05	ug/l	97
70) Styrene	11.95	104	95227	2.25	ug/l #	1
71) Bromoform	12.41	173	5324	0.49	ug/l #	1
73) Isopropylbenzene	12.25	105	273133	4.19	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	195	Below	Cal #	68
76) 1,2,3-Trichloropropane	12.66	75	17895	1.41	ug/l #	100
78) n-propylbenzene	12.59	91	610642	8.53	ug/l	100
79) 2-Chlorotoluene	12.69	91	153780	3.39	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	2246938	43.82	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	430567	107.35	ug/l #	9
82) 4-Chlorotoluene	12.73	91	224403	5.13	ug/l #	42
83) tert-Butylbenzene	13.04	119	707296	15.57	ug/l #	74
84) 1,2,4-Trimethylbenzene	13.04	105	5830047	114.46	ug/l	98

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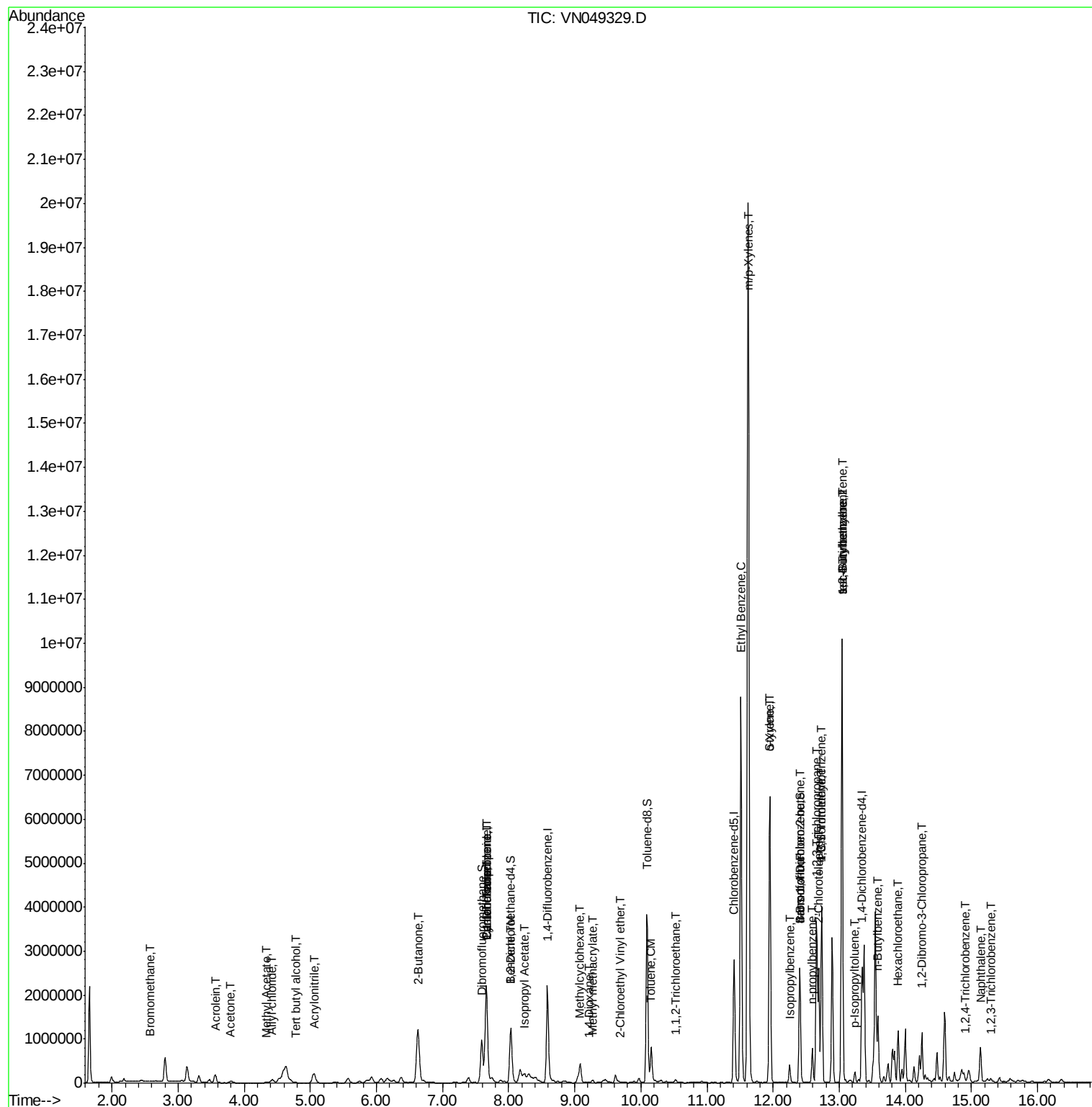
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.04	105	5830047	96.43	ug/l #	57
86) p-Isopropyltoluene	13.24	119	128568	2.55	ug/l	95
89) n-Butylbenzene	13.58	91	164638	4.17	ug/l #	1
90) Hexachloroethane	13.89	117	64782	5.26	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	4927	2.17	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	366	4.77	ug/l #	37
95) Naphthalene	15.14	128	686112	32.60	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	212	3.47	ug/l #	24

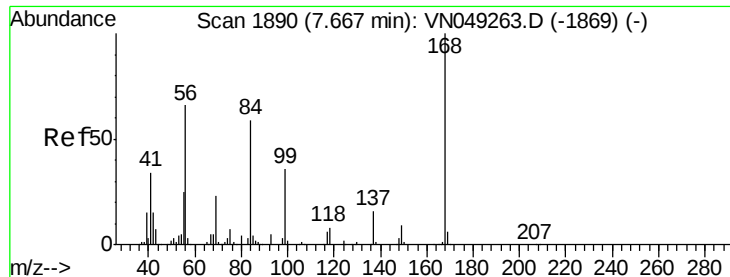
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

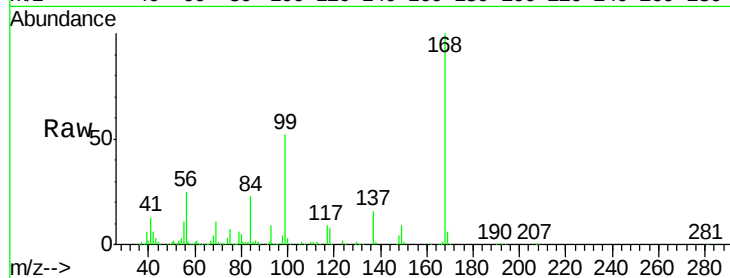
ClientSampled :

Tot Ion:168 Resp: 1409351

Ion Ratio Lower Upper

168 100

99 52.0 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

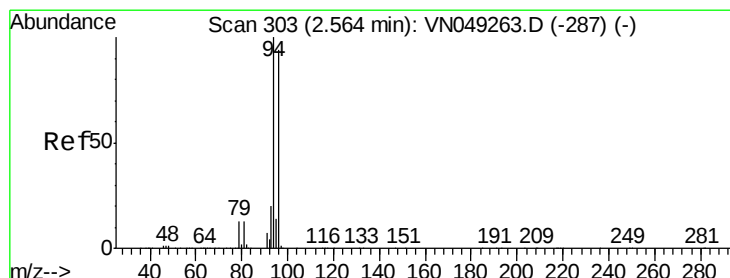
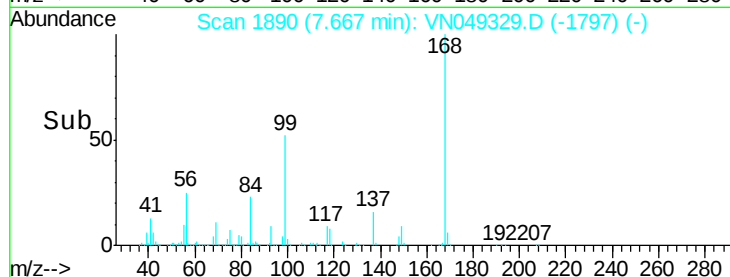
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#5

Bromomethane

Concen: 0.22 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049329.D

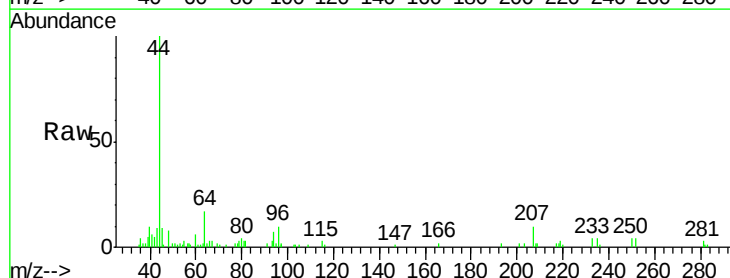
Acq: 16 Jun 2018 23:47

Tgt Ion: 94 Resp: 2522

Ion Ratio Lower Upper

94 100

96 132.9 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

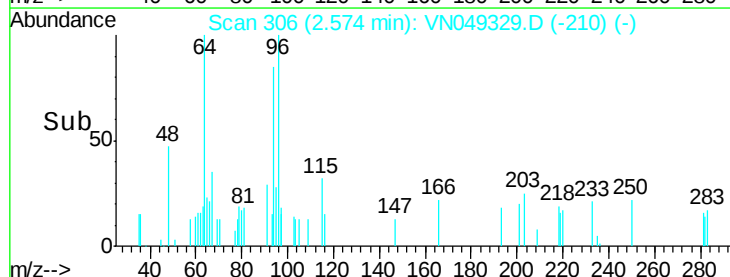
1500

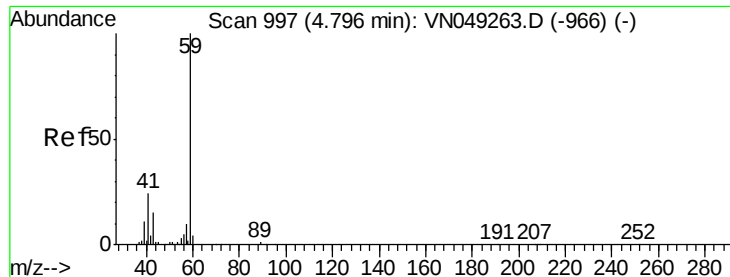
1000

500

0

Time--> 2.55 2.60 2.65

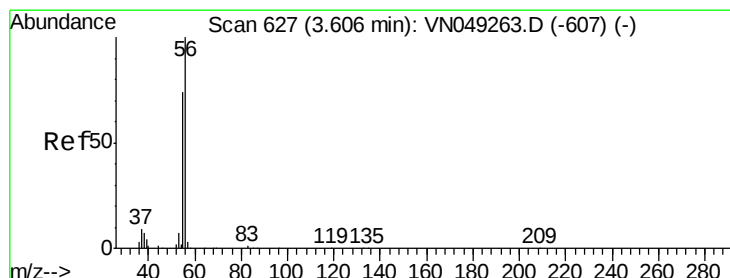
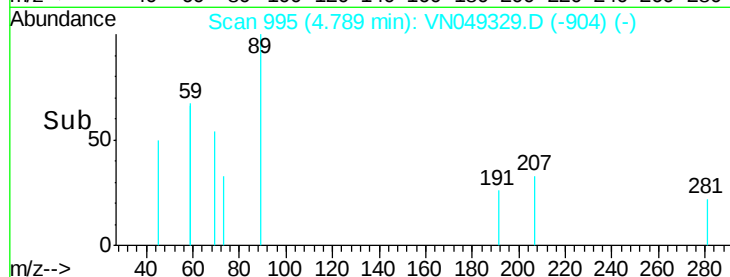
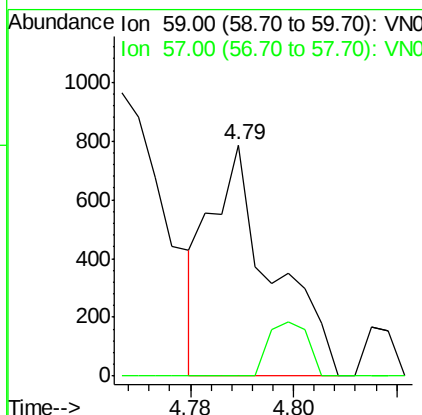
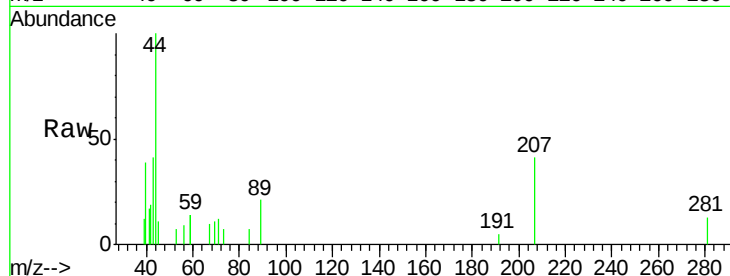




#11
Tert butyl alcohol
Concen: 0.60 ug/l
RT: 4.79 min Scan# 995
Delta R.T. -0.01 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

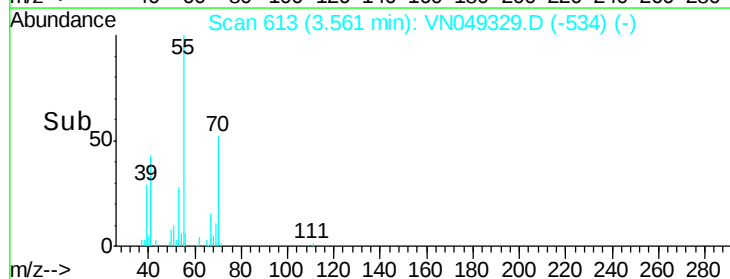
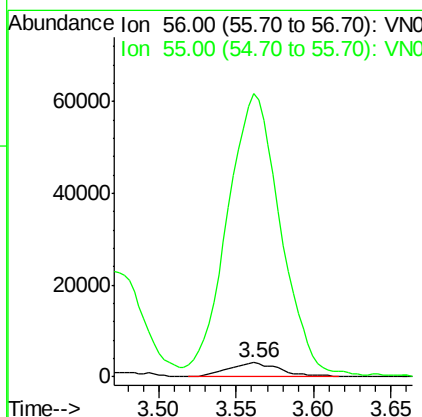
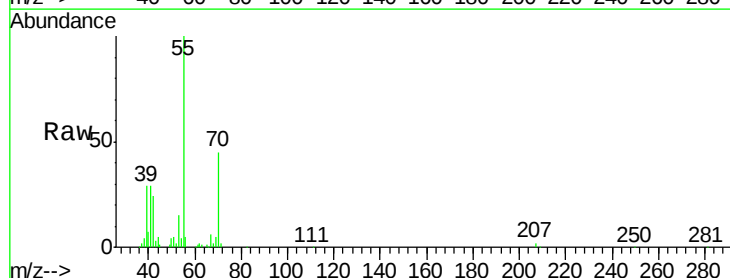
Instrument :
MSVOA_N
ClientSampled :

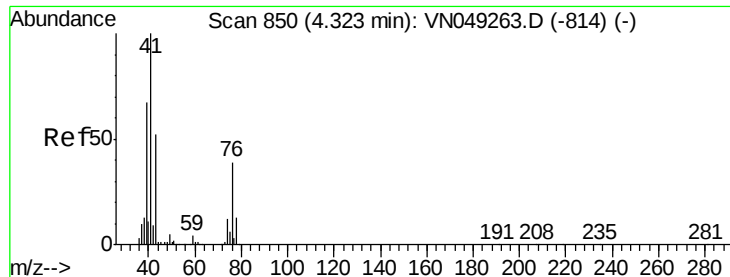
Tot Ion: 59 Resp: 658
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 6.47 ug/l
RT: 3.56 min Scan# 613
Delta R.T. -0.04 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

Tgt Ion: 56 Resp: 7445
Ion Ratio Lower Upper
56 100
55 1957.1 57.1 85.7#

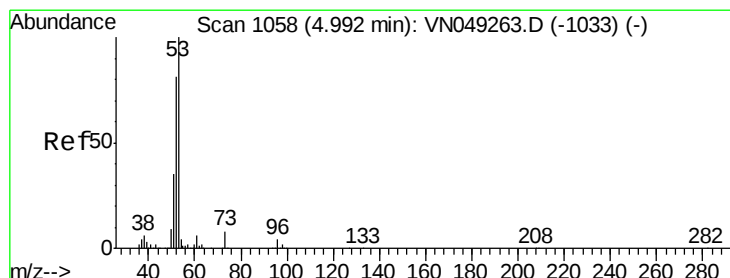
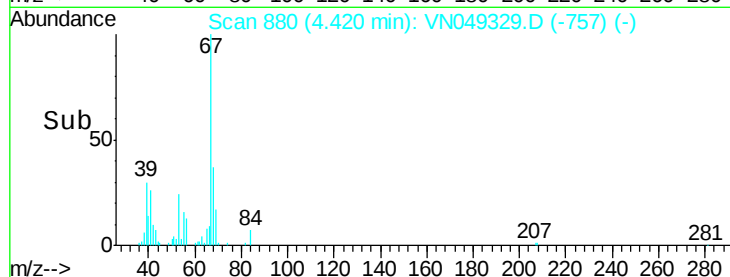
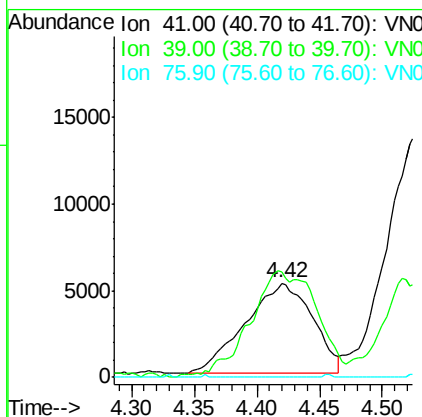
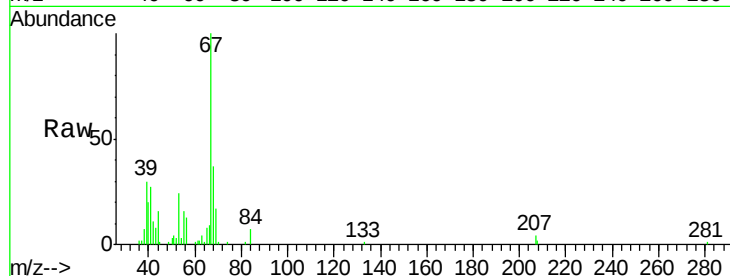




#14
Allvl chloride
Concen: 0.76 ug/l
RT: 4.42 min Scan# 880
Delta R.T. 0.10 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

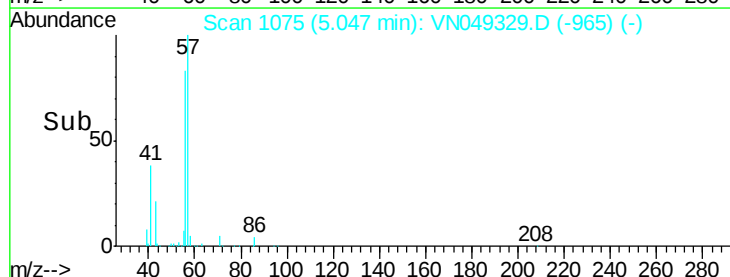
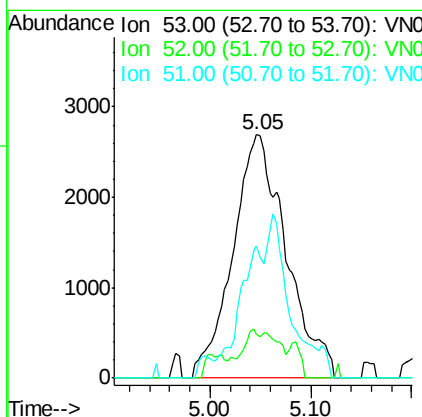
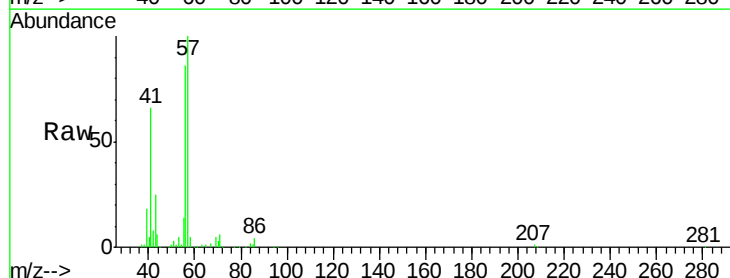
Instrument :
MSVOA_N
ClientSampled :

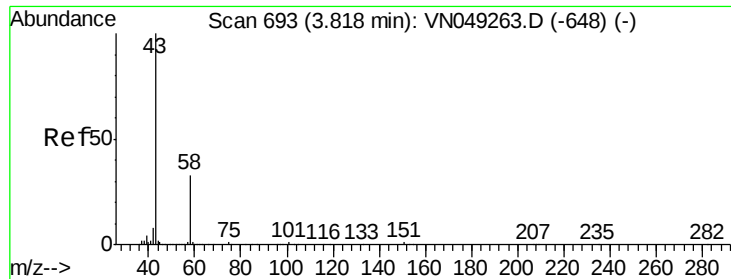
Tot Ion: 41 Resp: 19409
Ion Ratio Lower Upper
41 100
39 69.7 62.5 93.7
76 0.0 27.1 40.7#



#15
Acrylonitrile
Concen: 1.80 ug/l
RT: 5.05 min Scan# 1075
Delta R.T. 0.05 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

Tgt Ion: 53 Resp: 9899
Ion Ratio Lower Upper
53 100
52 3.0 66.6 100.0#
51 21.2 29.8 44.8#





#16

Acetone

Concen: 5.51 ug/l

RT: 3.80 min Scan# 687

Delta R.T. -0.02 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

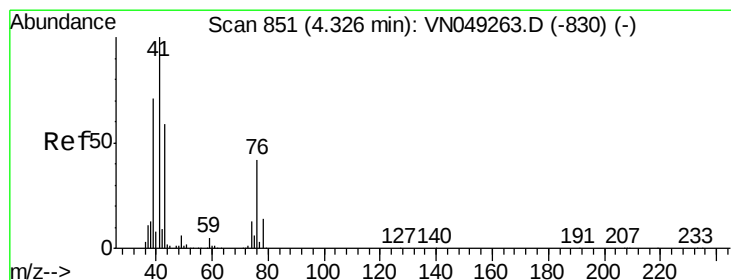
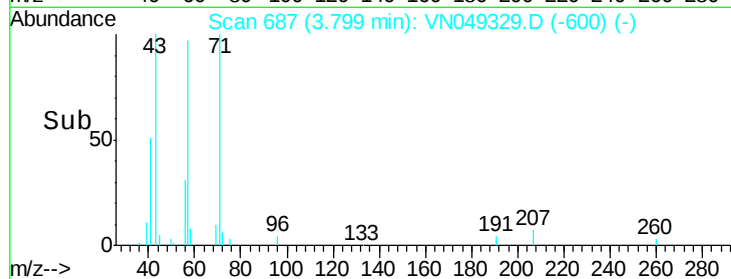
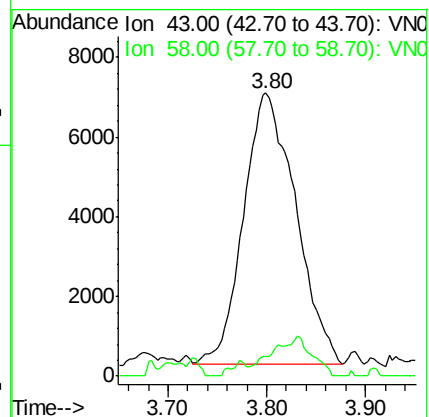
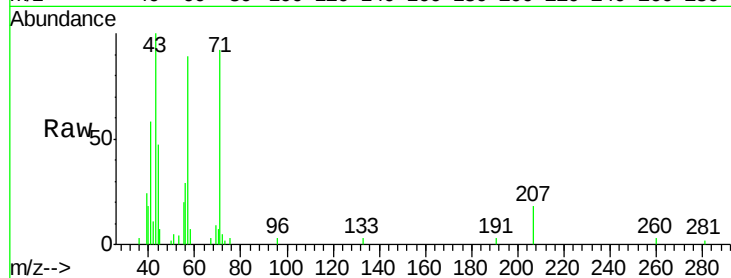
ClientSampleId :

Tot Ion: 43 Resp: 25015

Ion Ratio Lower Upper

43 100

58 7.4 22.4 33.6#



#18

Methyl Acetate

Concen: 1.79 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049329.D

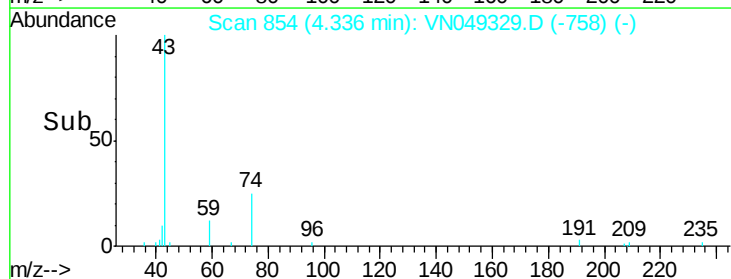
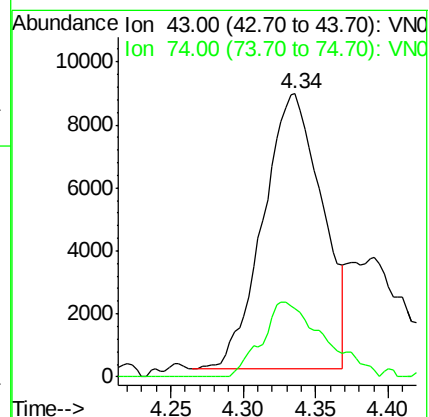
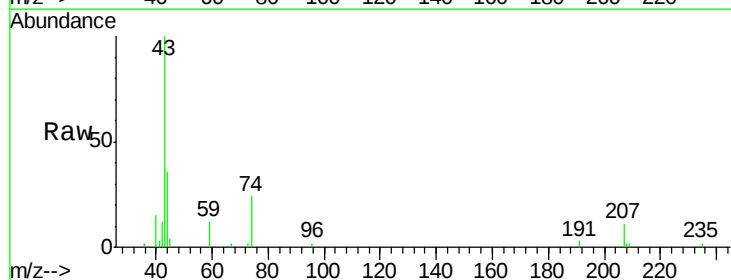
Acq: 16 Jun 2018 23:47

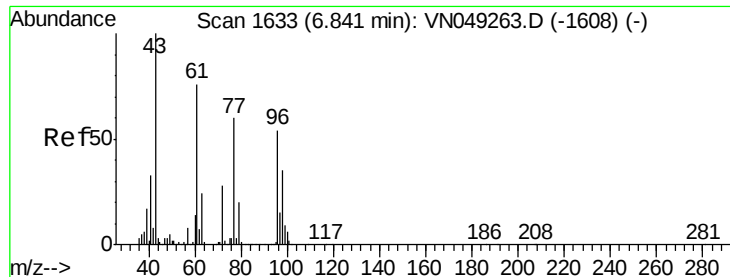
Tgt Ion: 43 Resp: 24788

Ion Ratio Lower Upper

43 100

74 28.4 17.4 26.0#





#25

2-Butanone

Concen: 14.05 ug/l

RT: 6.63 min Scan# 1567

Delta R.T. -0.21 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

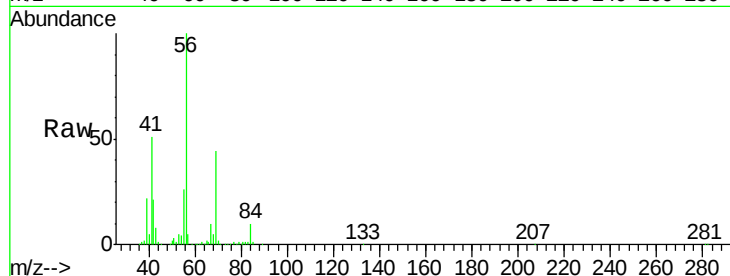
ClientSampleId :

Tot Ion: 43 Resp: 85626

Ion Ratio Lower Upper

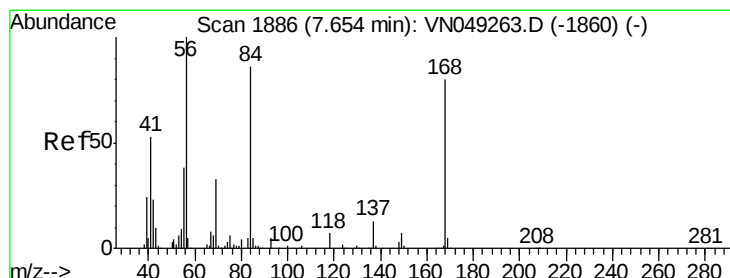
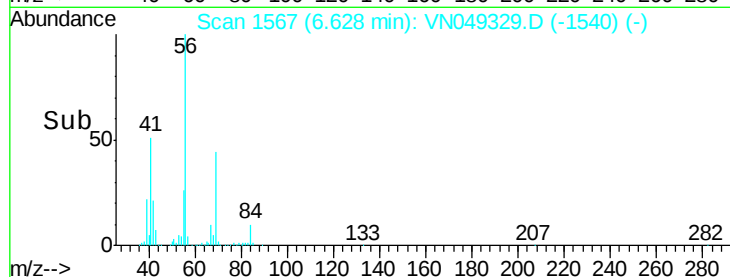
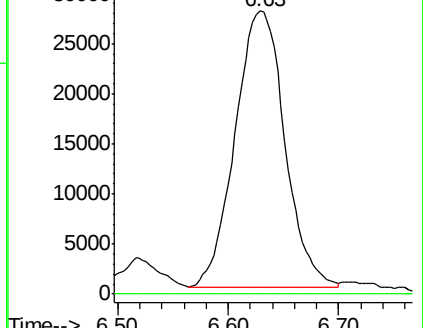
43 100

72 0.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN049329.D (-1540) (-)

Ion 72.00 (71.70 to 72.70): VN049329.D (-1540) (-)



#31

Cyclohexane

Concen: 17.56 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

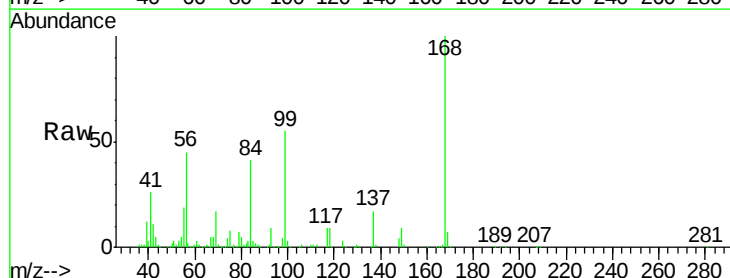
Tgt Ion: 56 Resp: 488590

Ion Ratio Lower Upper

56 100

69 37.7 25.0 37.4#

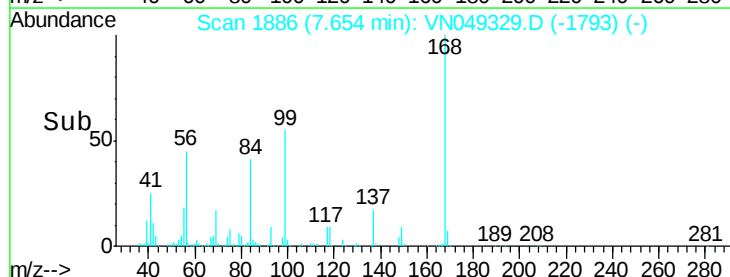
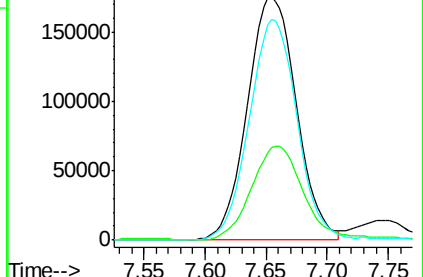
84 90.6 64.6 96.8

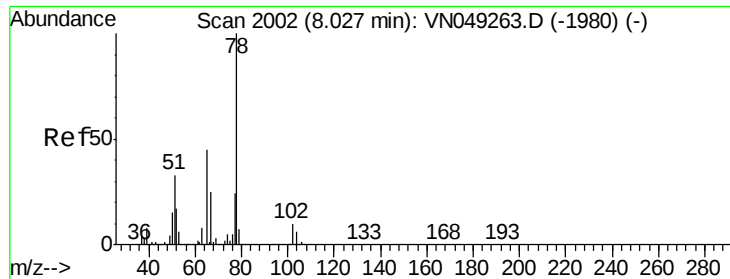


Abundance Ion 56.00 (55.70 to 56.70): VN049329.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049329.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049329.D (-1793) (-)

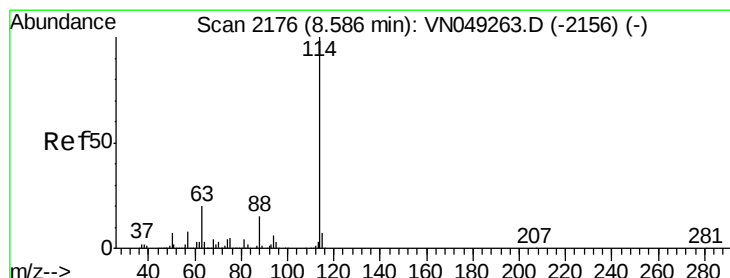
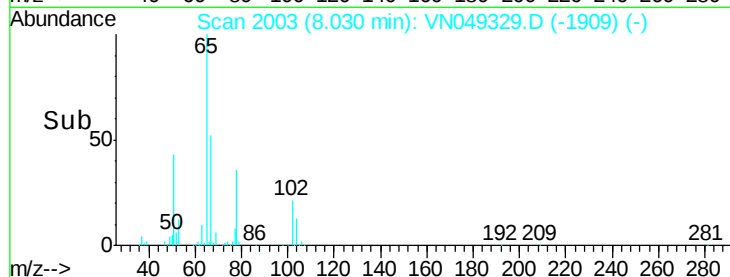
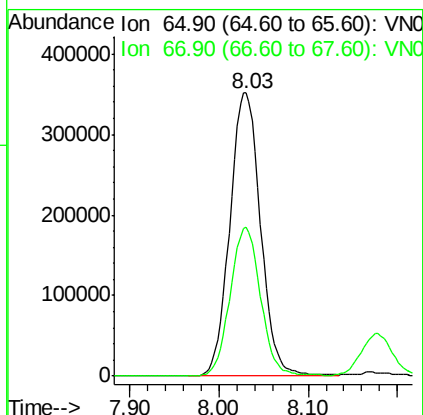
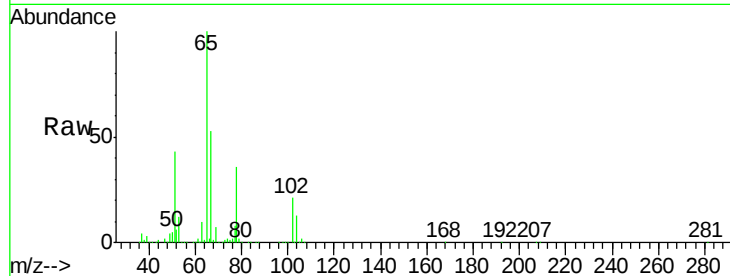




#33
 1,2-Dichloroethane-d4
 Concen: 44.83 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049329.D
 Acq: 16 Jun 2018 23:47

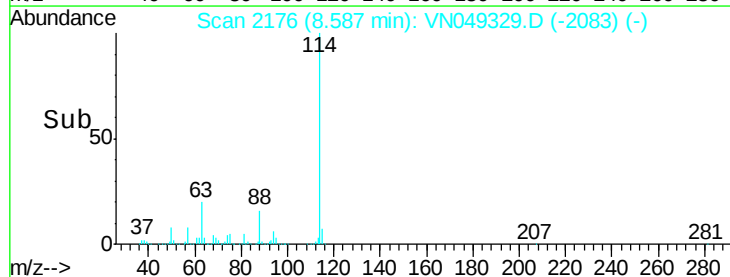
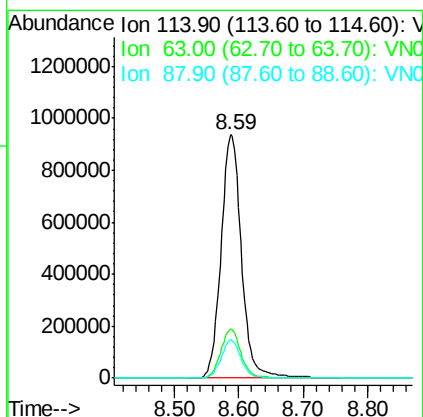
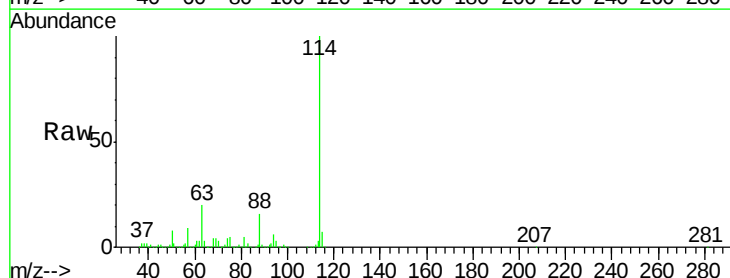
Instrument :
 MSVOA_N
 ClientSampleId :

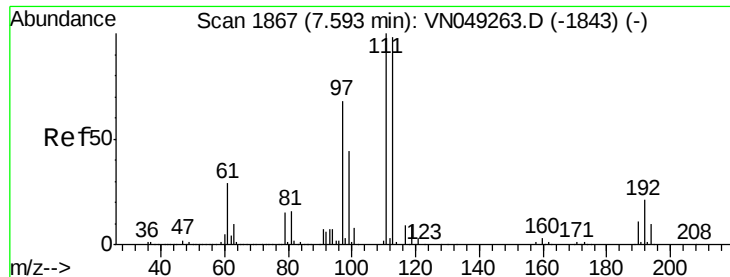
Tot Ion: 65 Resp: 837991
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049329.D
 Acq: 16 Jun 2018 23:47

Tgt Ion: 114 Resp: 2054812
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 44.4
 88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 45.39 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :
MSVOA_N
ClientSampleId :

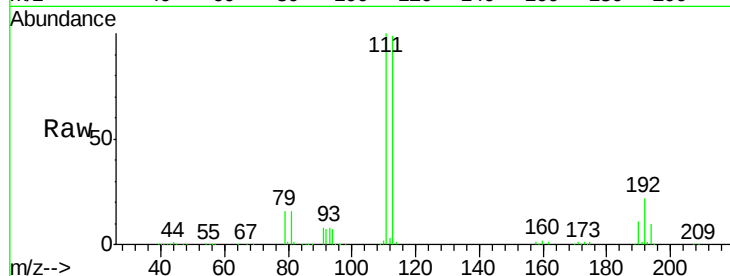
Tot Ion:113 Resp: 754516

Ion Ratio Lower Upper

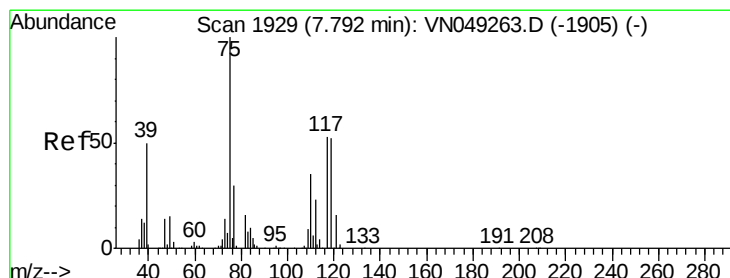
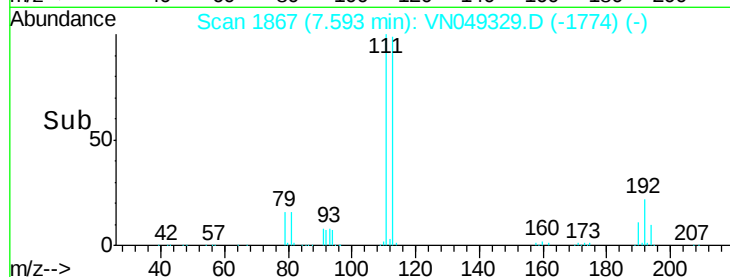
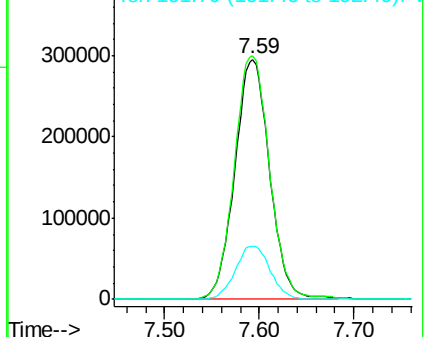
113 100

111 103.2 82.4 123.6

192 22.2 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: 4.20 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.12 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

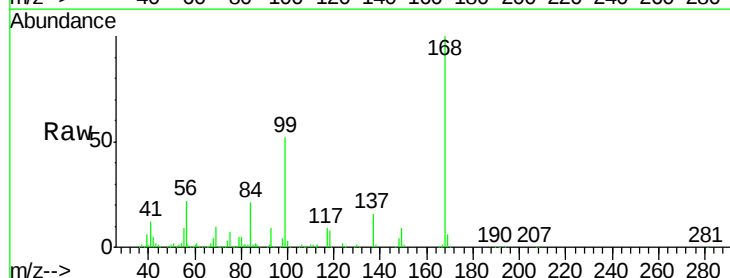
Tgt Ion: 75 Resp: 98885

Ion Ratio Lower Upper

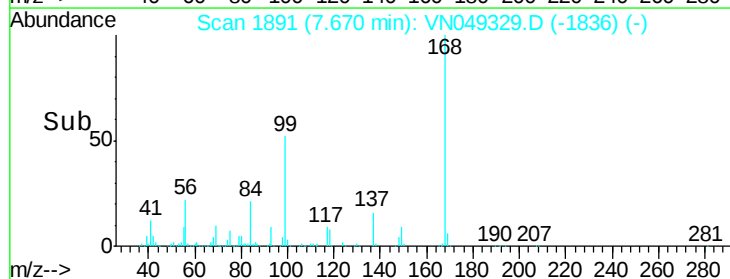
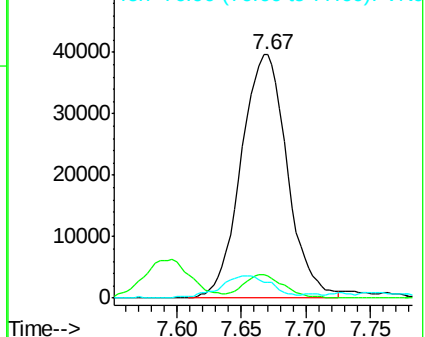
75 100

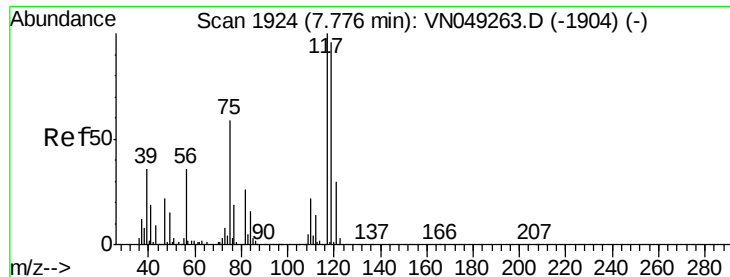
110 8.5 17.0 50.9#

77 8.9 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.09 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

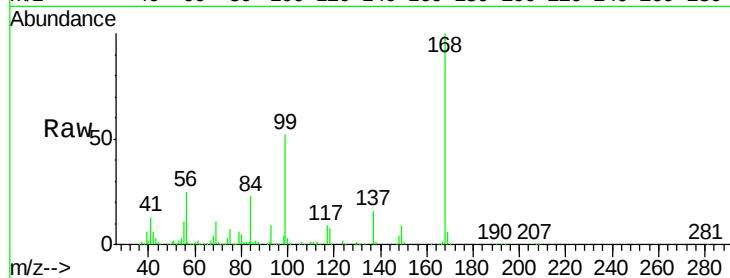
Tot Ion:117 Resp: 124121

Ion Ratio Lower Upper

117 100

119 5.0 75.6 113.4#

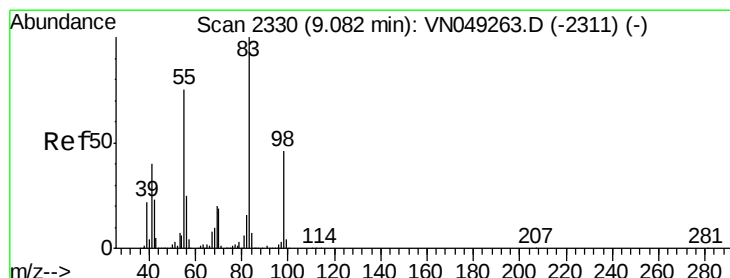
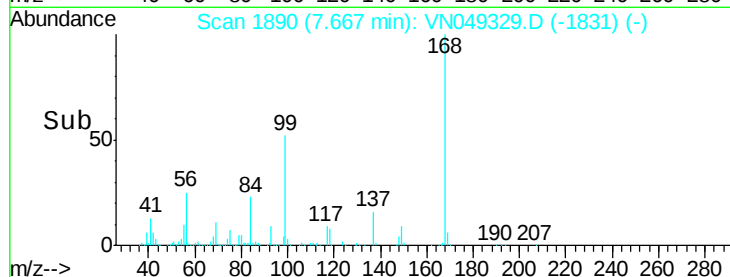
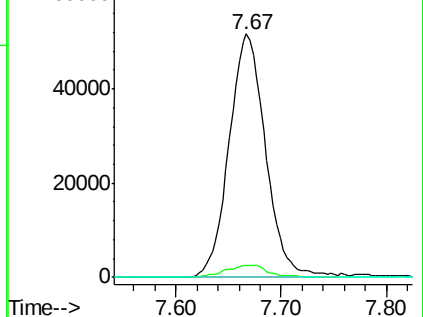
121 0.0 24.7 37.1#



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: 7.58 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

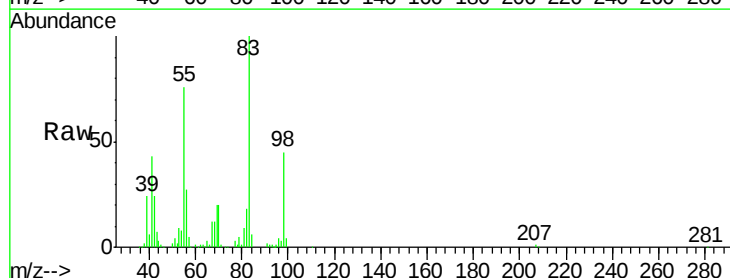
Tgt Ion: 83 Resp: 191541

Ion Ratio Lower Upper

83 100

55 75.5 65.1 97.7

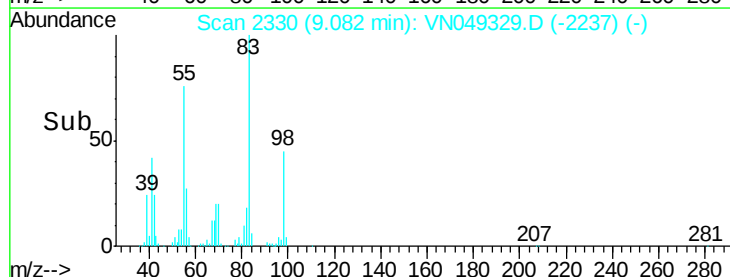
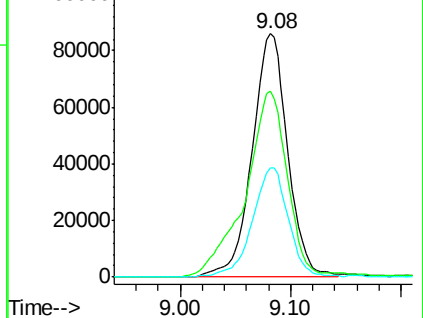
98 44.8 36.5 54.7

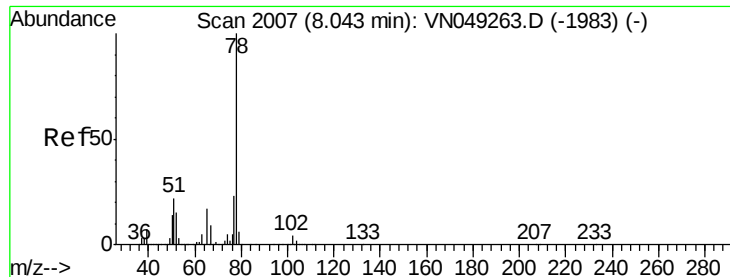


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 5.97 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

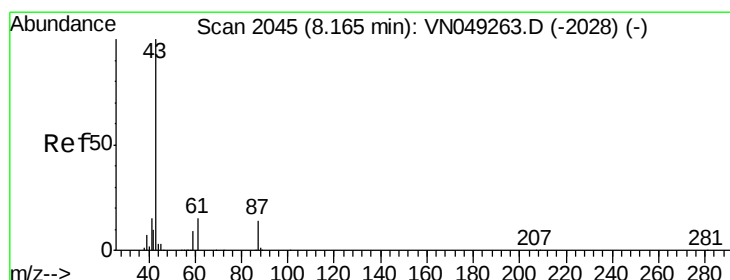
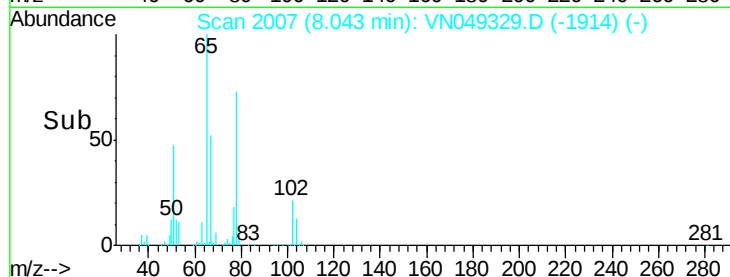
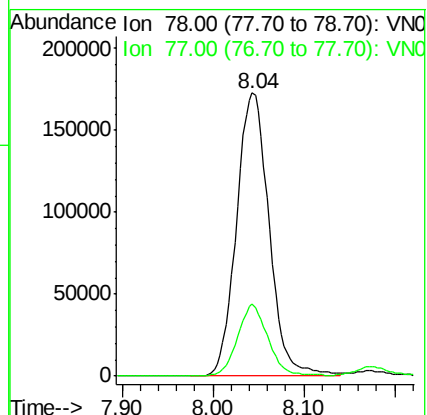
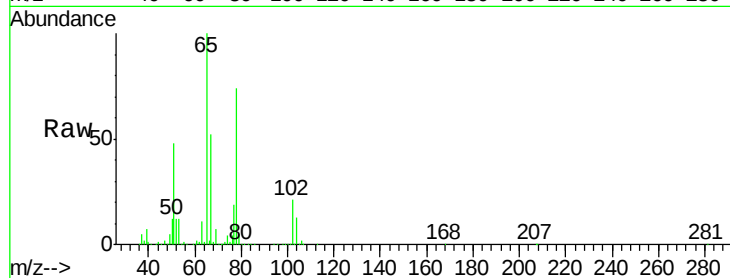
ClientSampled :

Tot Ion: 78 Resp: 431335

Ion Ratio Lower Upper

78 100

77 25.4 19.4 29.0



#43

Isopropyl Acetate

Concen: 4.70 ug/l

RT: 8.23 min Scan# 2065

Delta R.T. 0.06 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

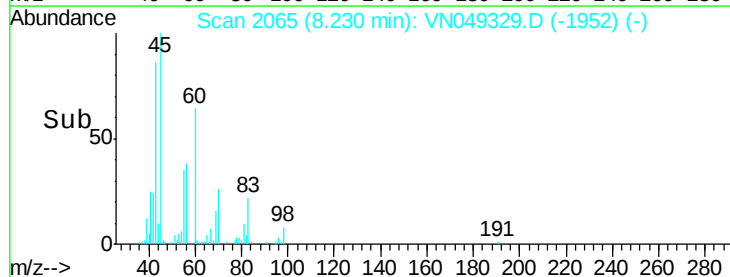
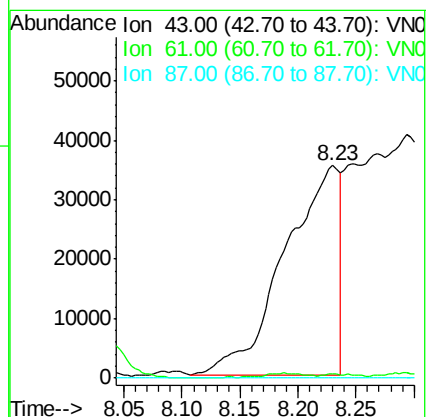
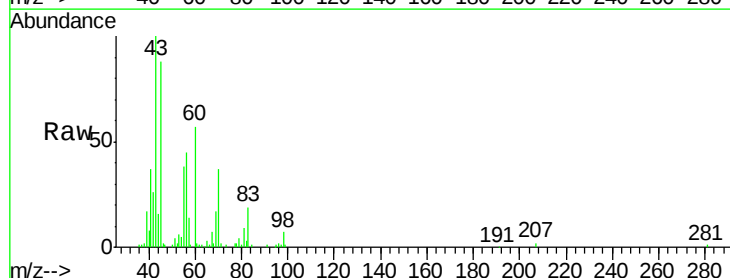
Tgt Ion: 43 Resp: 115080

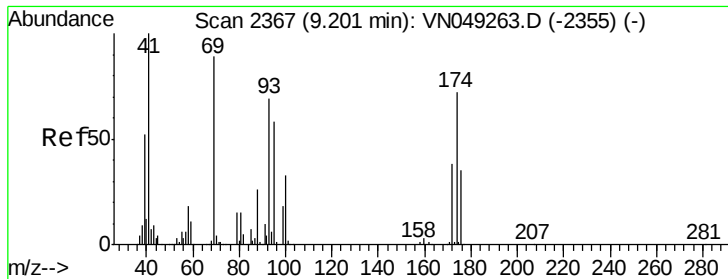
Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#

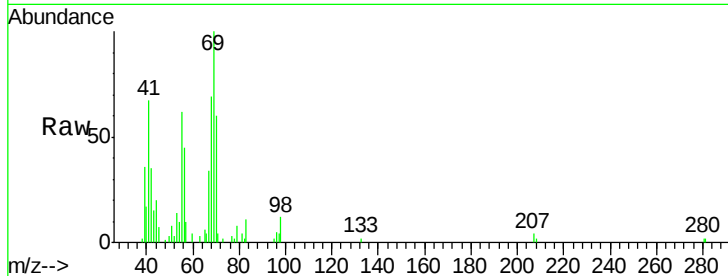




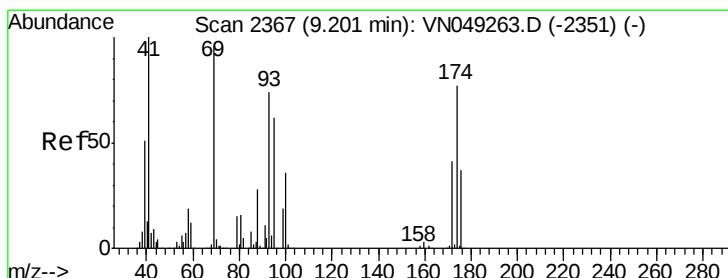
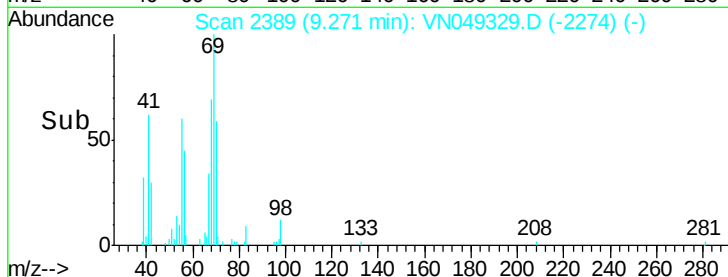
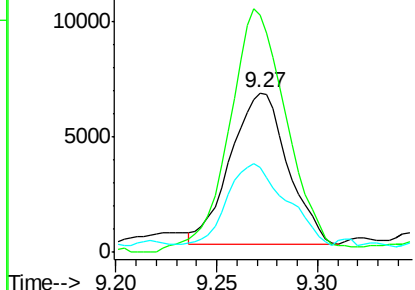
#48
Methvl methacrylate
Concen: 1.12 ug/l
RT: 9.27 min Scan# 2389
Delta R.T. 0.07 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 12955
Ion Ratio Lower Upper
41 100
69 163.5 62.0 93.0#
39 55.4 50.6 75.8

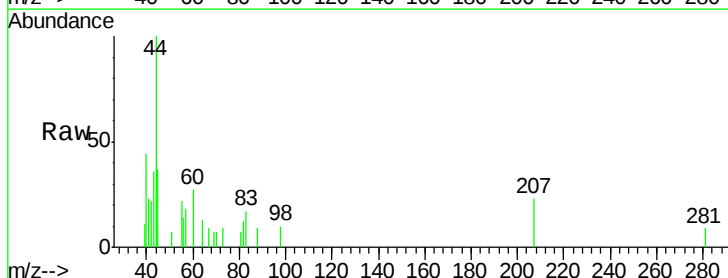


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

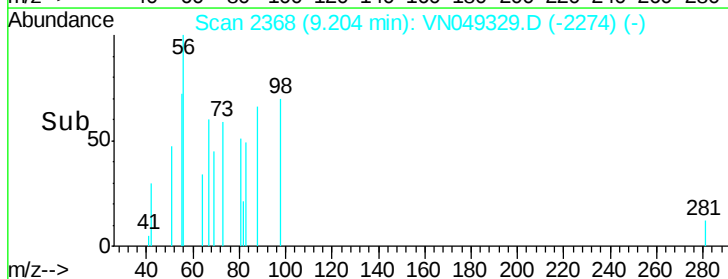
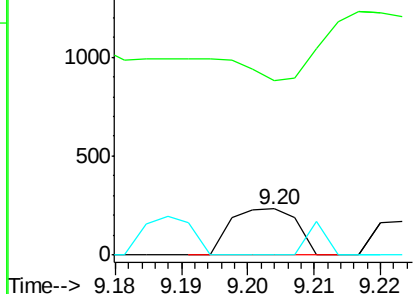


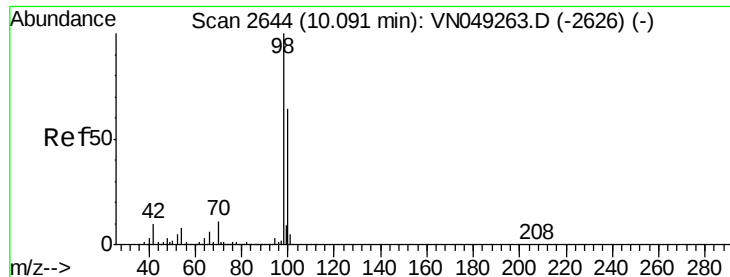
#49
1,4-Dioxane
Concen: 1.01 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

Tgt Ion: 88 Resp: 161
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 20.5 58.9 88.3#



Abundance Ion 88.00 (87.70 to 88.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 58.00 (57.70 to 58.70): VNC





#50

Toluene-d8

Concen: 45.53 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

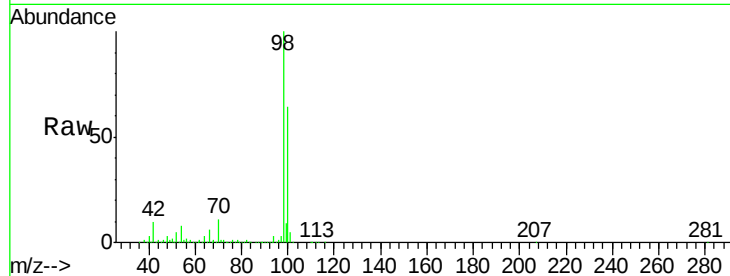
ClientSampleId :

Tot Ion: 98 Resp: 2882190

Ion Ratio Lower Upper

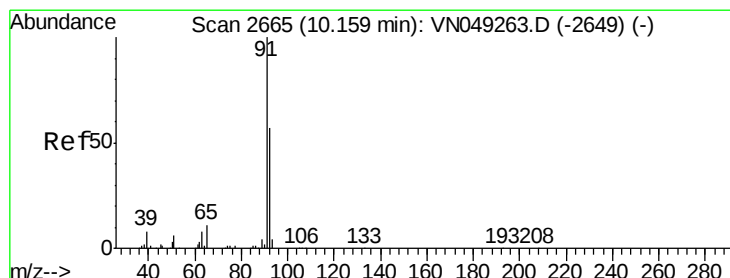
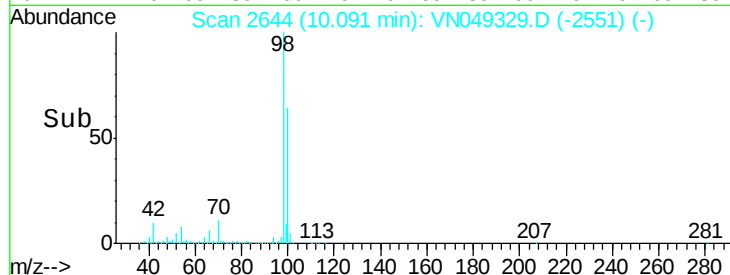
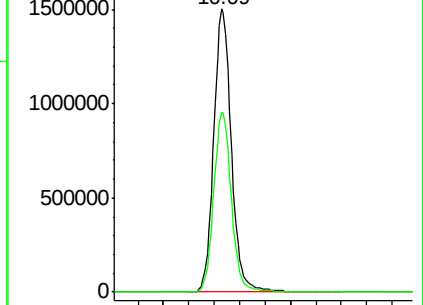
98 100

100 63.9 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049263.D (-2626) (-)

Ion 100.00 (99.70 to 100.70): VN049263.D (-2626) (-)



#52

Toluene

Concen: 8.46 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN049329.D

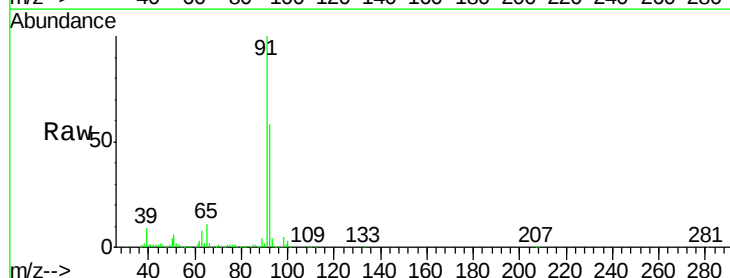
Acq: 16 Jun 2018 23:47

Tgt Ion: 92 Resp: 358289

Ion Ratio Lower Upper

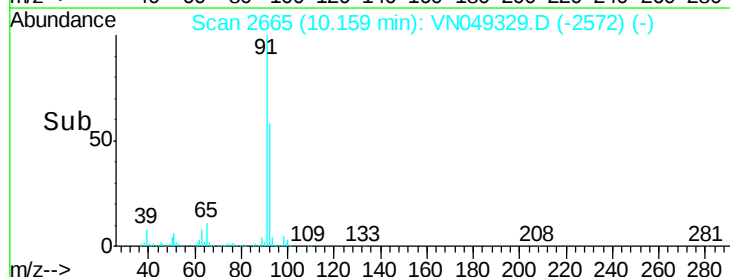
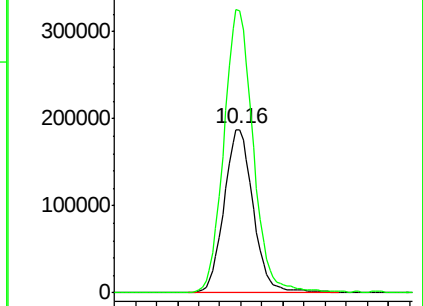
92 100

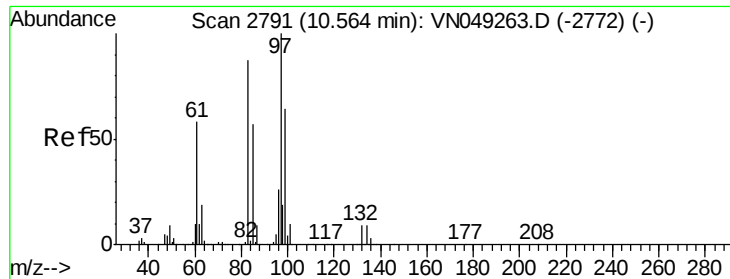
91 174.0 143.4 215.2



Abundance Ion 92.00 (91.70 to 92.70): VN049263.D (-2649) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-2649) (-)

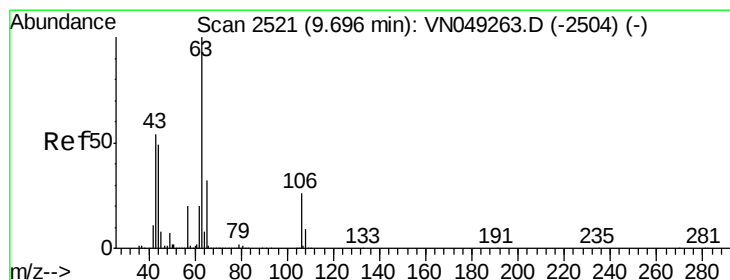
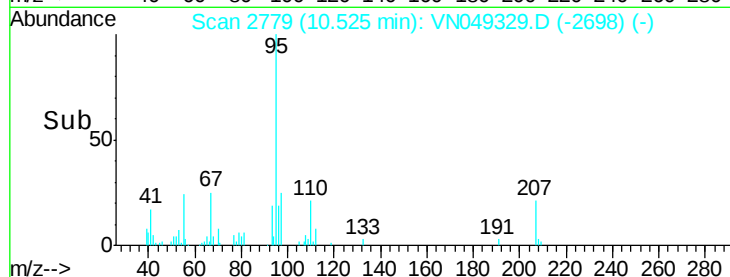
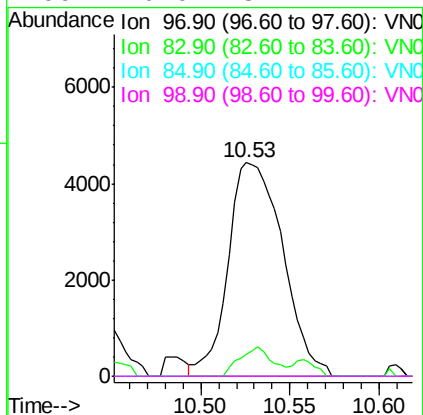
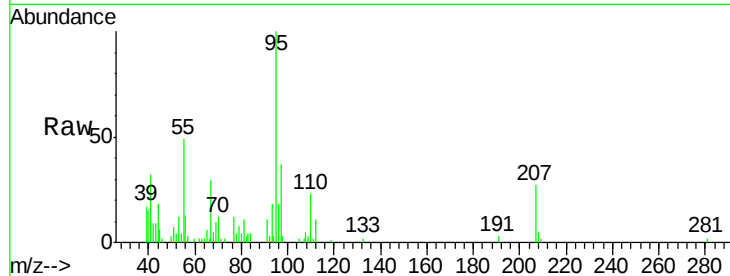




#55
 1,1,2-Trichloroethane
 Concen: 0.60 ug/l
 RT: 10.53 min Scan# 2779
 Delta R.T. -0.04 min
 Lab File: VN049329.D
 Acq: 16 Jun 2018 23:47

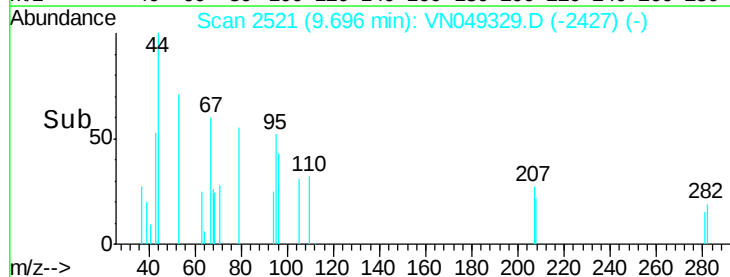
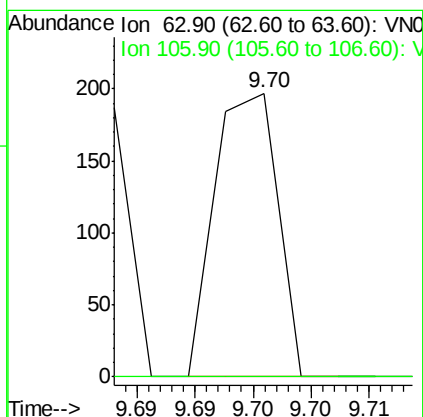
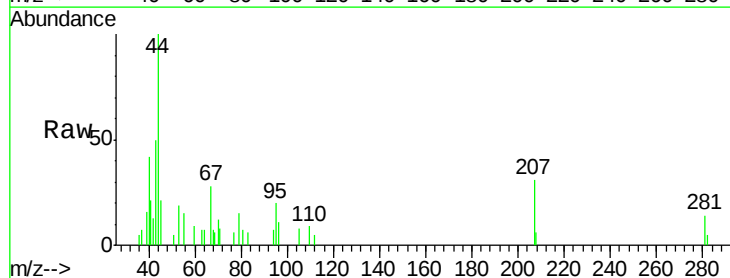
Instrument :
 MSVOA_N
 ClientSampleId :

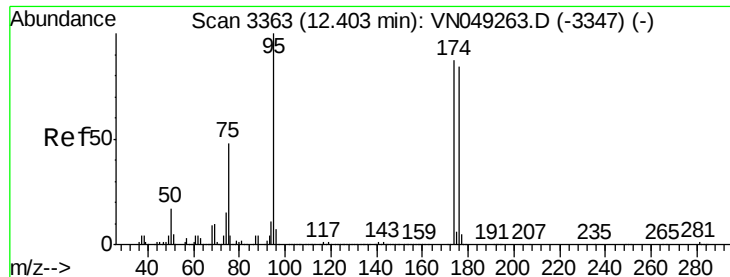
Tot Ion: 97 Resp: 9468
 Ion Ratio Lower Upper
 97 100
 83 10.1 71.5 107.3#
 85 0.0 47.0 70.4#
 99 0.0 51.4 77.2#



#58
 2-Chloroethyl Vinyl ether
 Concen: 14.34 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN049329.D
 Acq: 16 Jun 2018 23:47

Tgt Ion: 63 Resp: 74
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#





#62

4-Bromofluorobenzene

Concen: 42.71 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

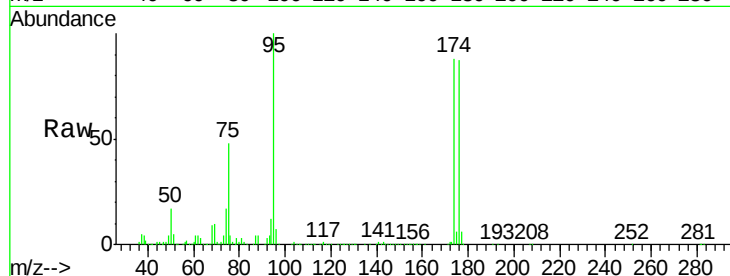
Tot Ion: 95 Resp: 893918

Ion Ratio Lower Upper

95 100

174 88.0 0.0 165.6

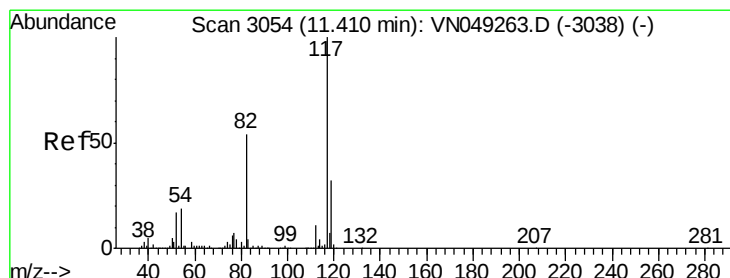
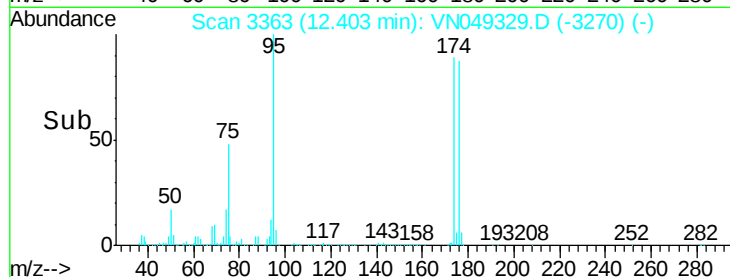
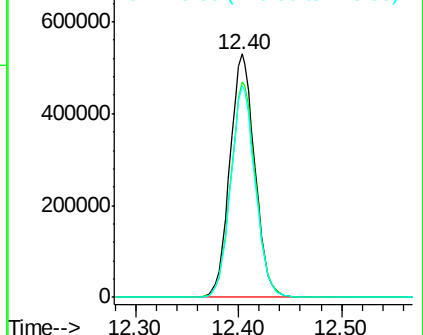
176 84.9 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

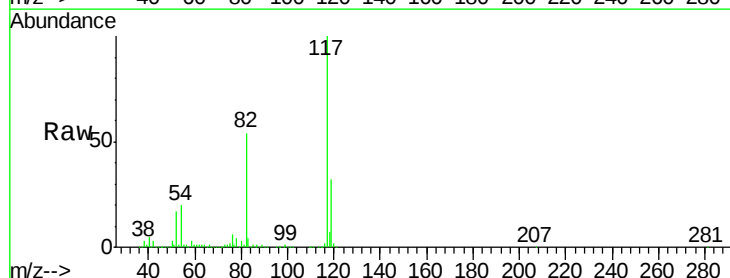
Tgt Ion: 117 Resp: 1740500

Ion Ratio Lower Upper

117 100

82 53.9 45.9 68.9

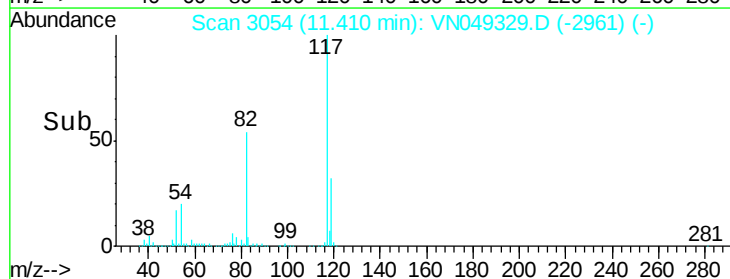
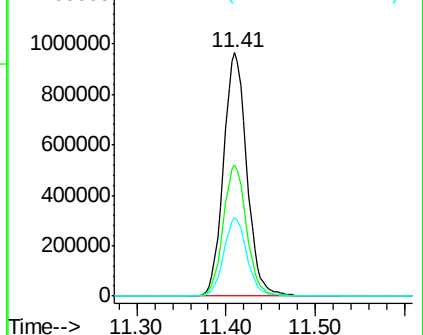
119 32.1 25.5 38.3

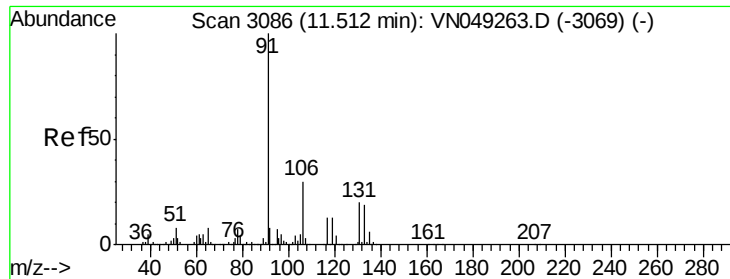


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0

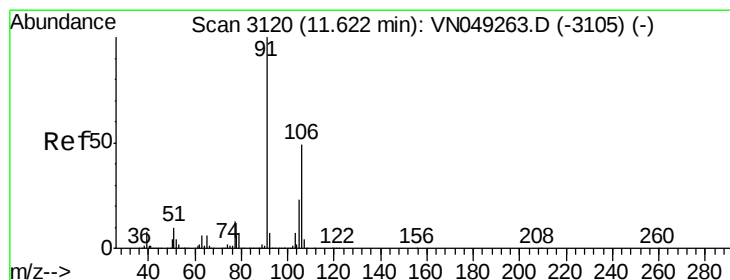
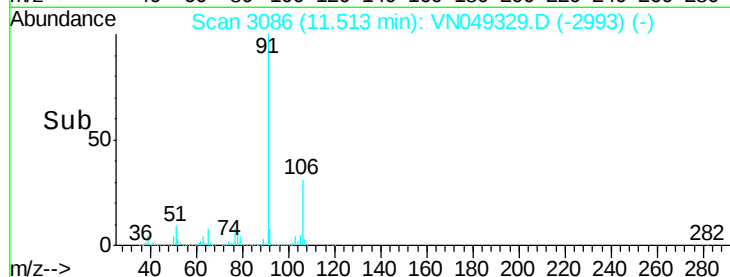
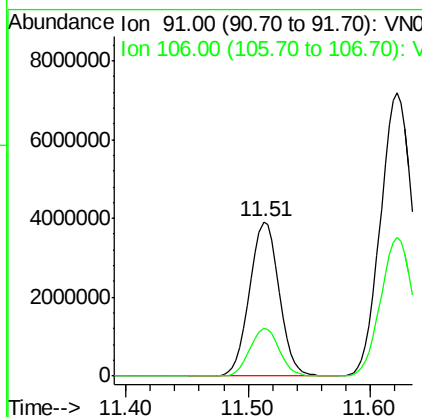
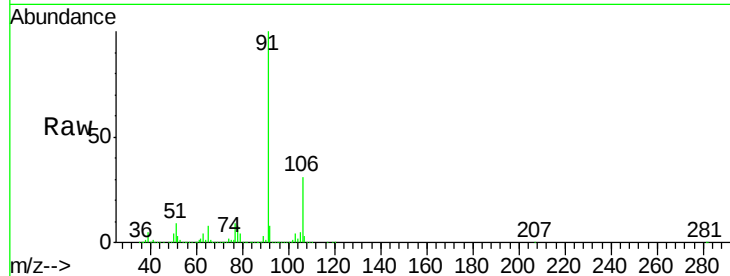




#67
Ethyl Benzene
Concen: 87.66 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

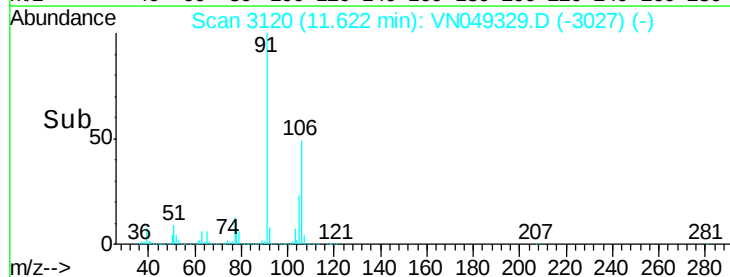
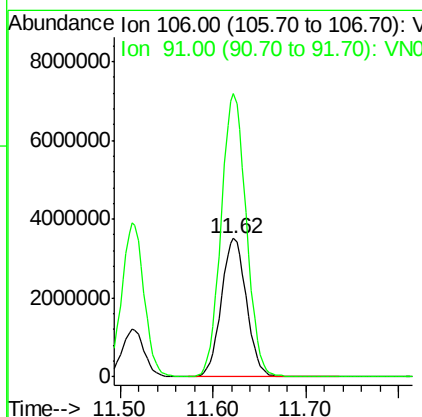
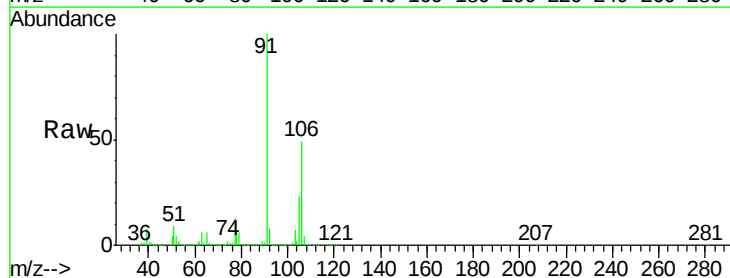
Instrument :
MSVOA_N
ClientSampled :

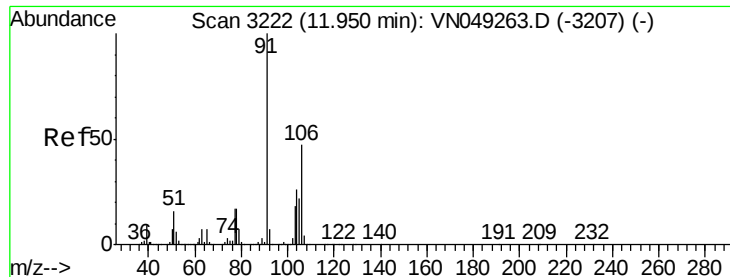
Tot Ion: 91 Resp: 6519212
Ion Ratio Lower Upper
91 100
106 30.9 23.9 35.9



#68
m/p-Xylenes
Concen: 236.44 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

Tgt Ion: 106 Resp: 6599221
Ion Ratio Lower Upper
106 100
91 204.3 167.3 250.9





#69

o-Xylene

Concen: 68.05 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

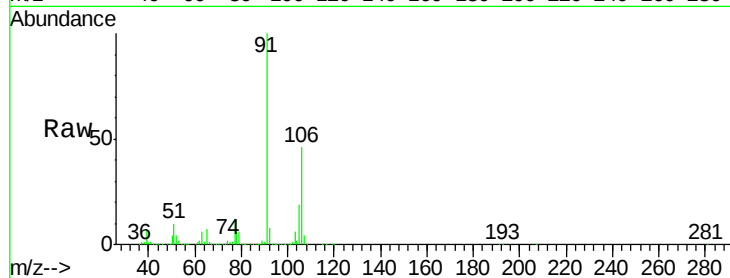
ClientSampleId :

Tot Ion:106 Resp: 1829316

Ion Ratio Lower Upper

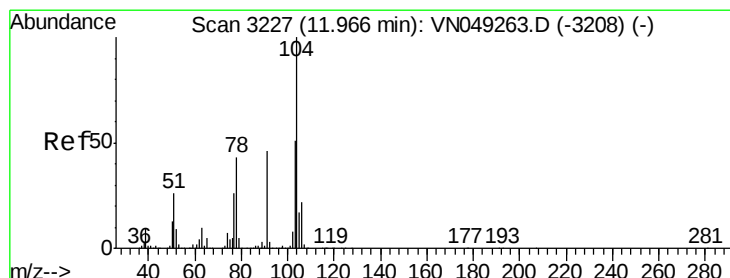
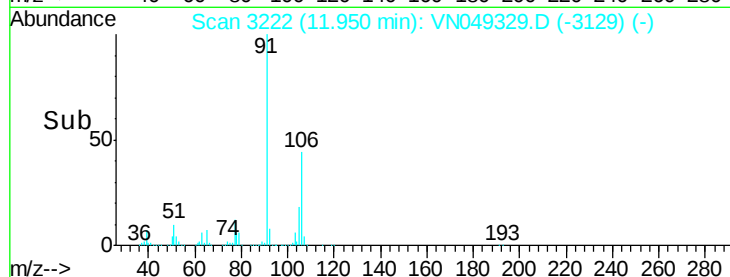
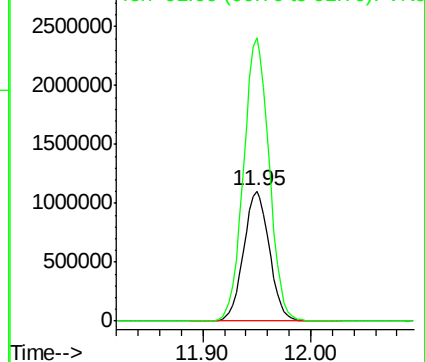
106 100

91 216.5 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#70

Styrene

Concen: 2.25 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.02 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

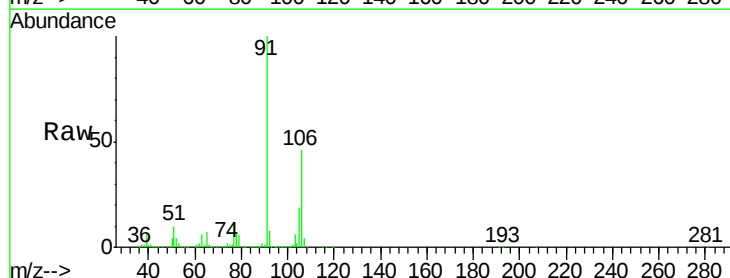
Tgt Ion:104 Resp: 95227

Ion Ratio Lower Upper

104 100

78 272.0 41.6 62.4#

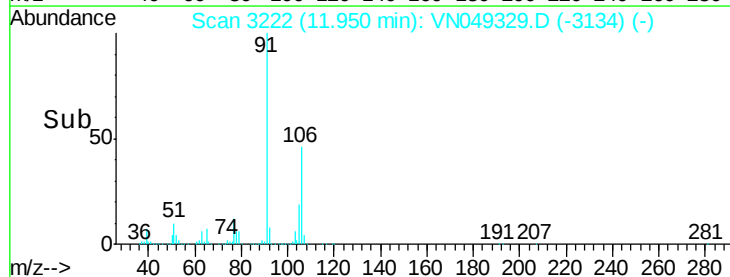
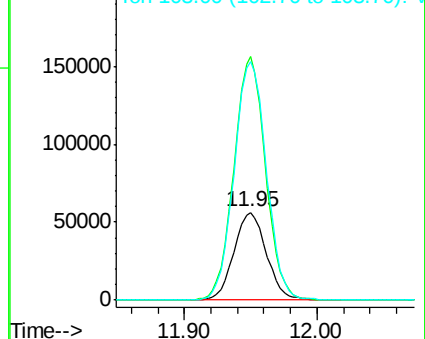
103 270.9 45.4 68.2#

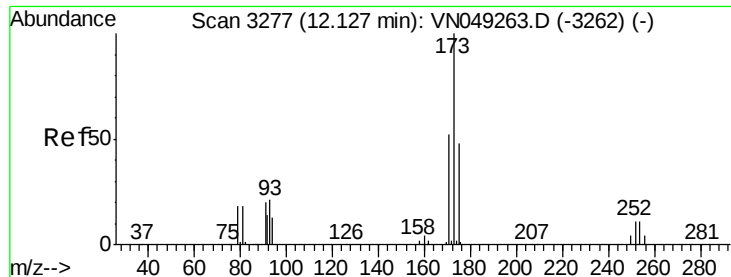


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 0.49 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.28 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

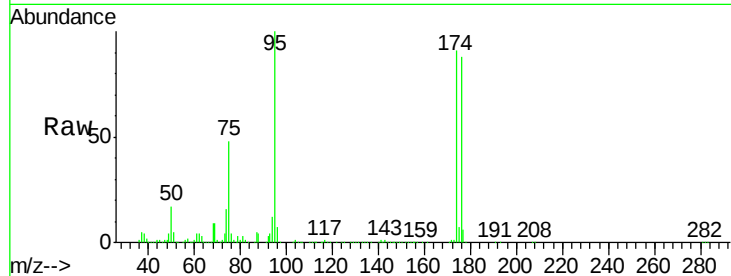
Tot Ion:173 Resp: 5324

Ion Ratio Lower Upper

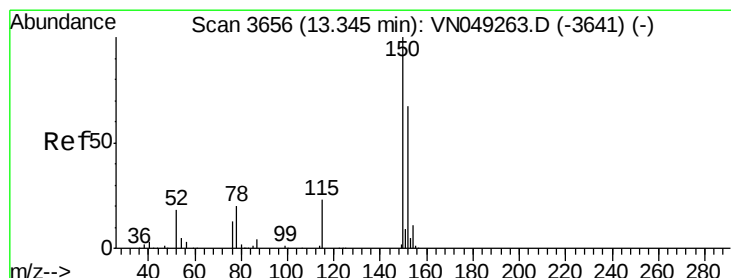
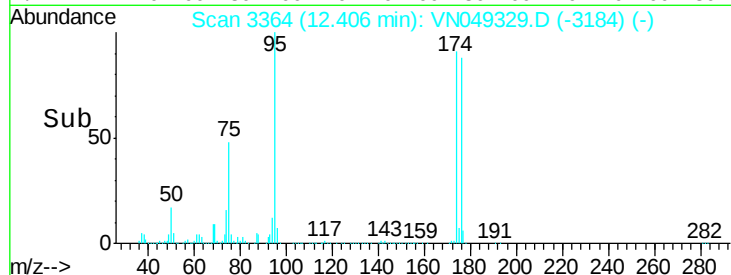
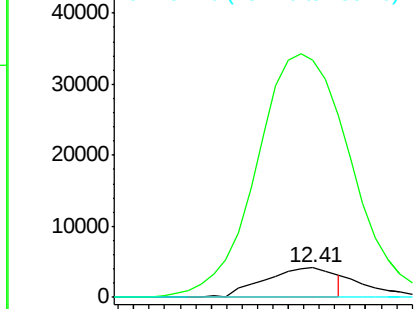
173 100

175 895.7 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# 3656

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

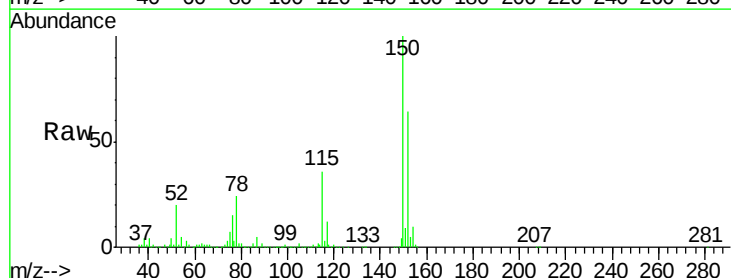
Tgt Ion:152 Resp: 742956

Ion Ratio Lower Upper

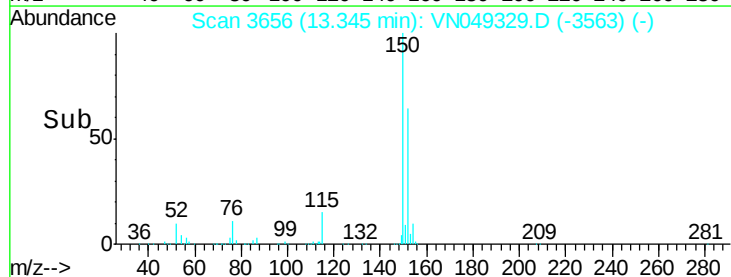
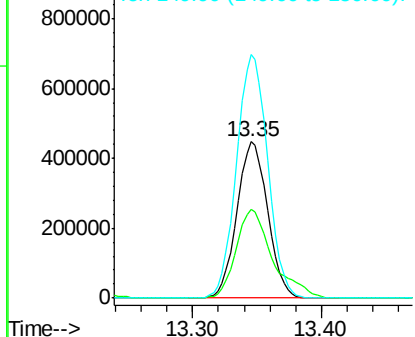
152 100

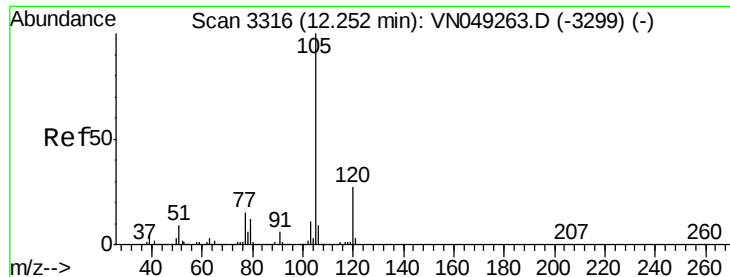
115 66.1 28.7 86.1

150 157.8 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: 4.19 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

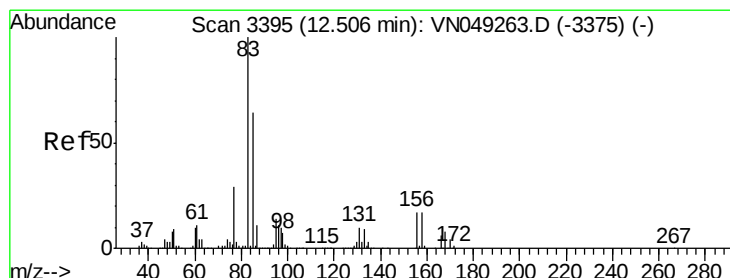
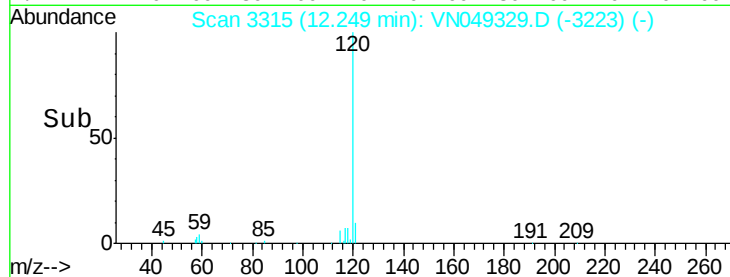
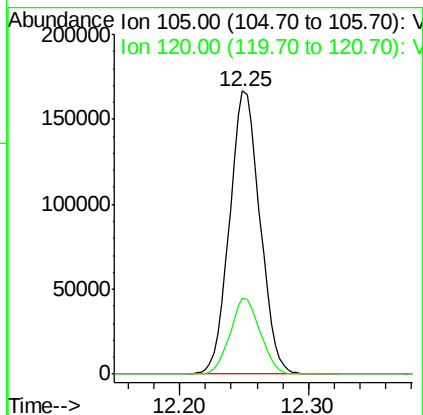
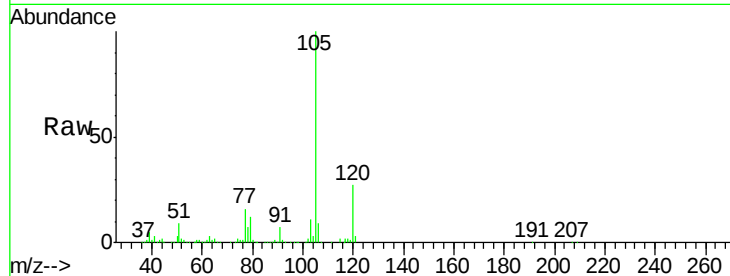
ClientSampled :

Tot Ion:105 Resp: 273133

Ion Ratio Lower Upper

105 100

120 26.7 12.8 38.3



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

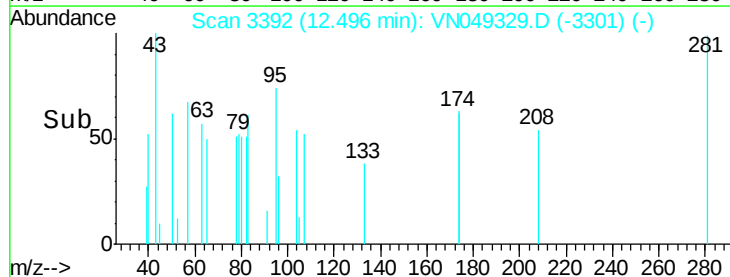
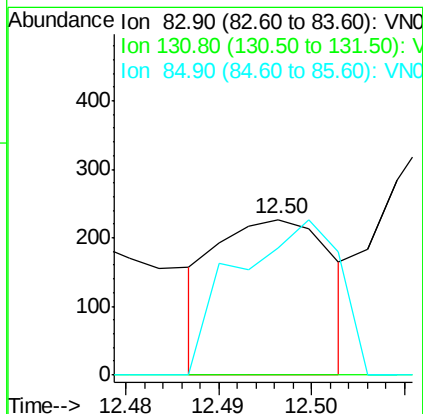
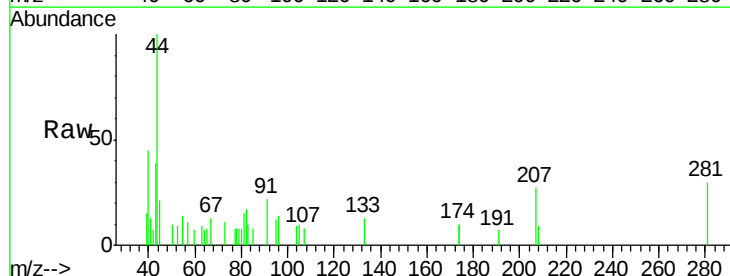
Tgt Ion: 83 Resp: 195

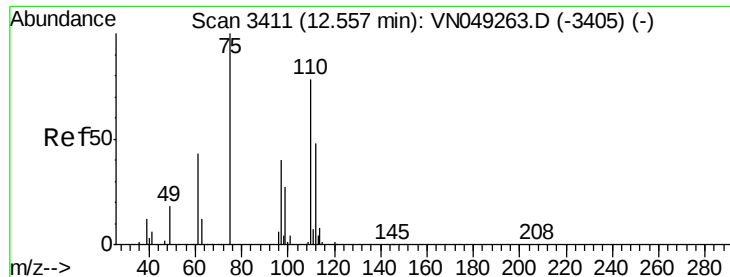
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 89.7 32.0 96.0





#76

1,2,3-Trichloropropane

Concen: 1.41 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. 0.10 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

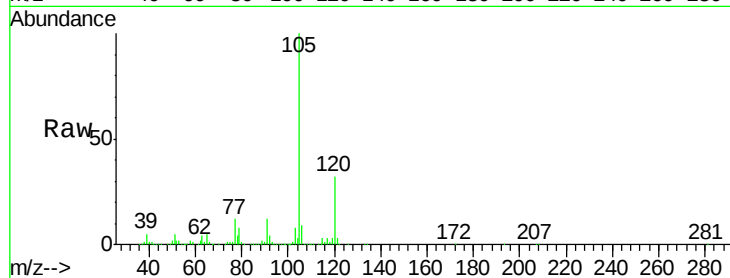
ClientSampleId :

Tot Ion: 75 Resp: 17895

Ion Ratio Lower Upper

75 100

77 1585.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049329.D (-3442) (-)

Ion 77.00 (76.70 to 77.70): VN049329.D (-3442) (-)

200000

150000

100000

50000

0

12.66

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

13.20

13.25

13.30

13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

14.55

14.60

14.65

14.70

14.75

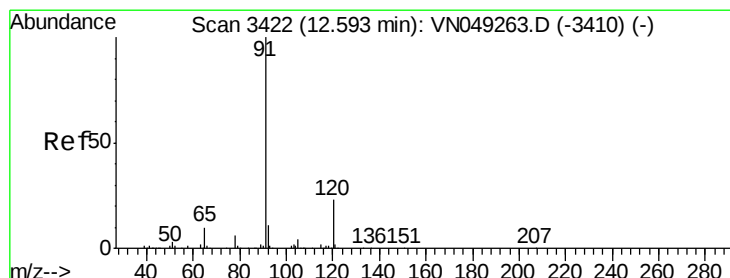
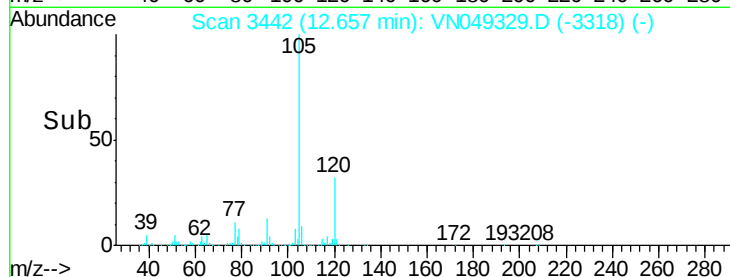
14.80

14.85

14.90

14.95

15.00



#78

n-propylbenzene

Concen: 8.53 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049329.D

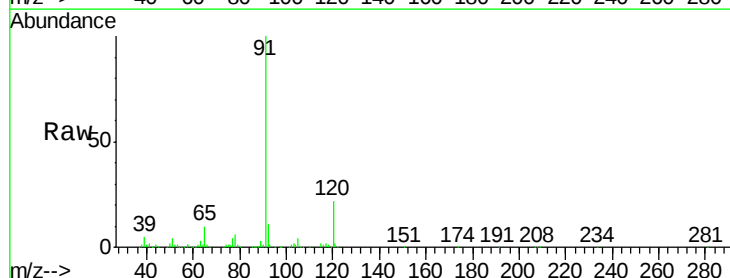
Acq: 16 Jun 2018 23:47

Tgt Ion: 91 Resp: 610642

Ion Ratio Lower Upper

91 100

120 22.5 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN049329.D (-3422) (-)

Ion 120.00 (119.70 to 120.70): VN049329.D (-3422) (-)

500000

400000

300000

200000

100000

0

12.59

12.55

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

13.15

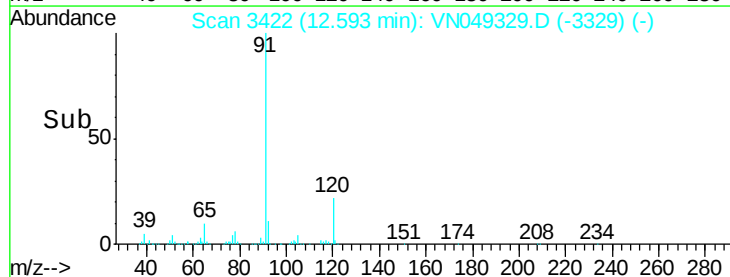
13.20

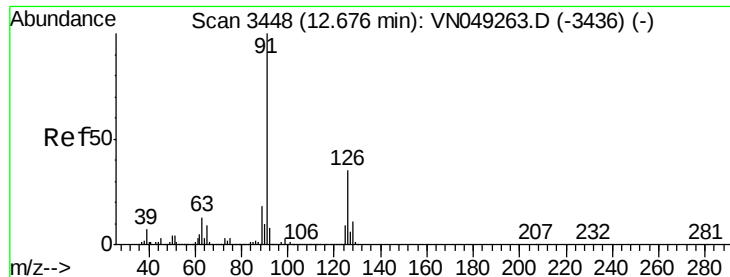
13.25

13.30

13.35

13.40





#79

2-Chlorotoluene

Concen: 3.39 ug/l

RT: 12.69 min Scan# 3452

Delta R.T. 0.01 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

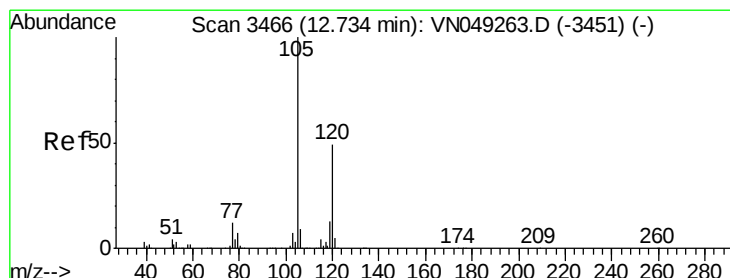
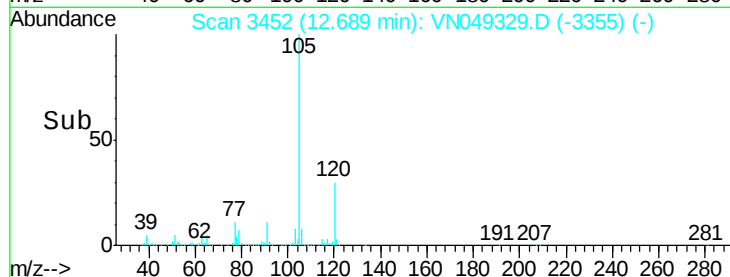
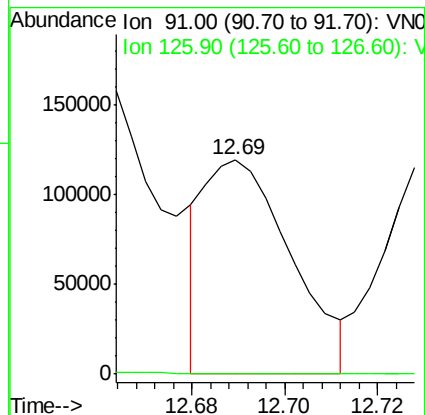
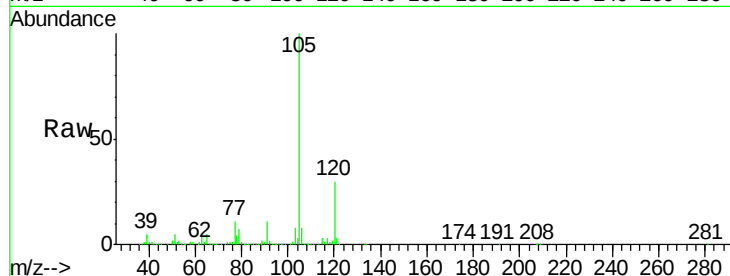
ClientSampleId :

Tot Ion: 91 Resp: 153780

Ion Ratio Lower Upper

91 100

126 0.0 16.6 49.8#



#80

1,3,5-Trimethylbenzene

Concen: 43.82 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049329.D

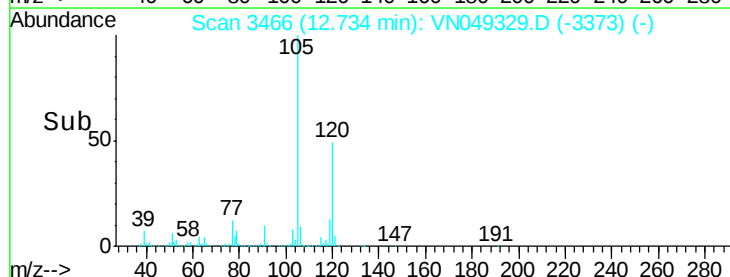
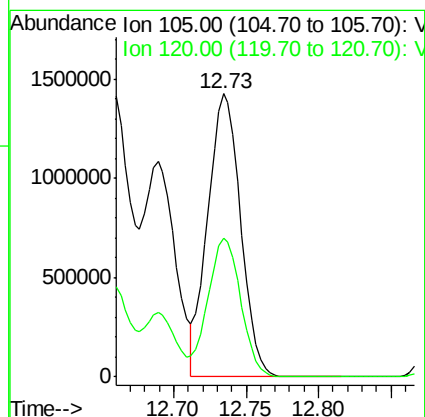
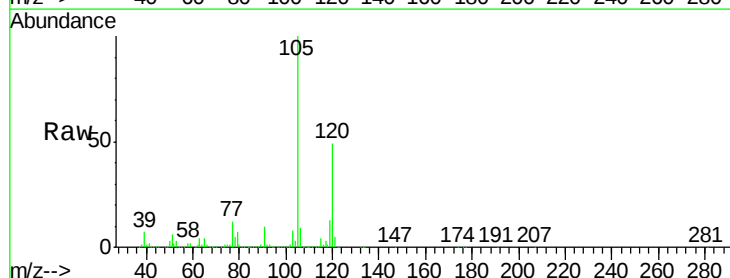
Acq: 16 Jun 2018 23:47

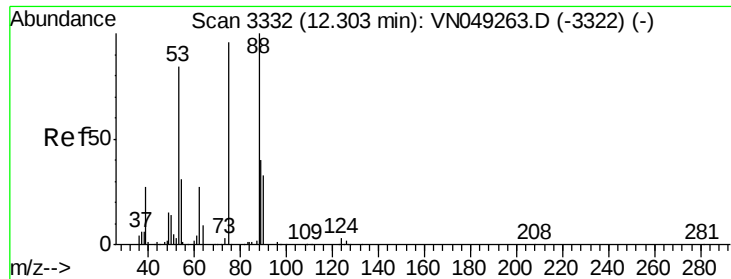
Tgt Ion: 105 Resp: 2246938

Ion Ratio Lower Upper

105 100

120 49.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 107.35 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

ClientSampleId :

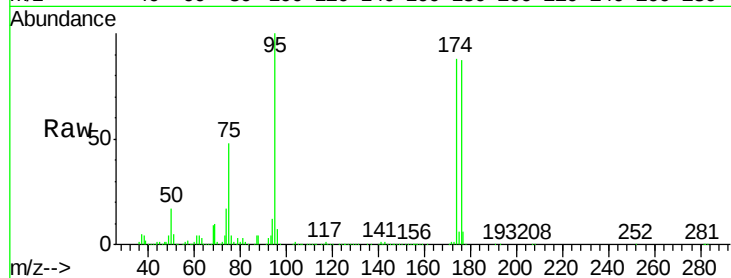
Tot Ion: 75 Resp: 430567

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

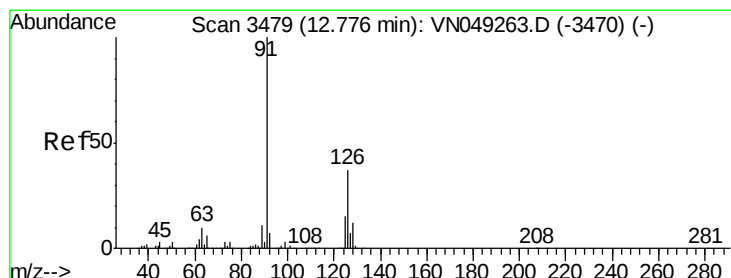
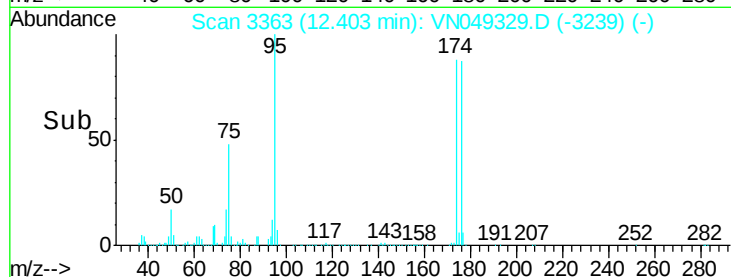
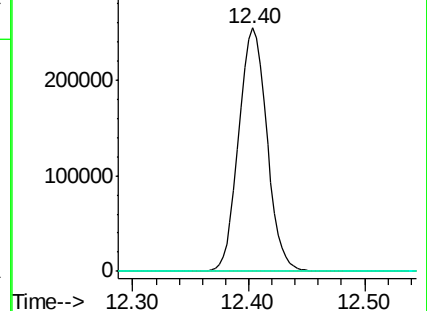
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049329.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049329.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049329.D (-3363) (-)



#82

4-Chlorotoluene

Concen: 5.13 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049329.D

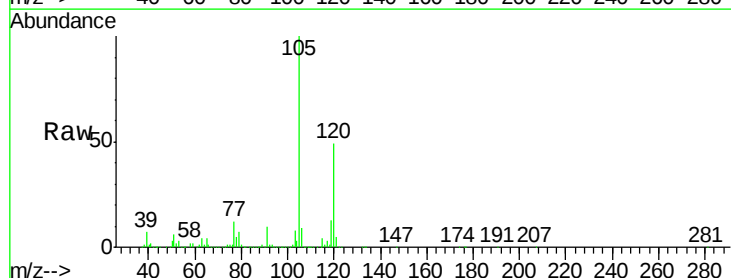
Acq: 16 Jun 2018 23:47

Tgt Ion: 91 Resp: 224403

Ion Ratio Lower Upper

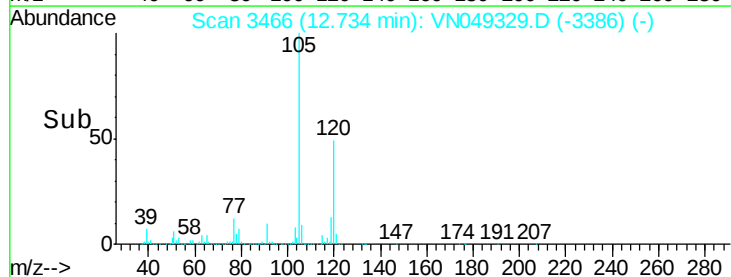
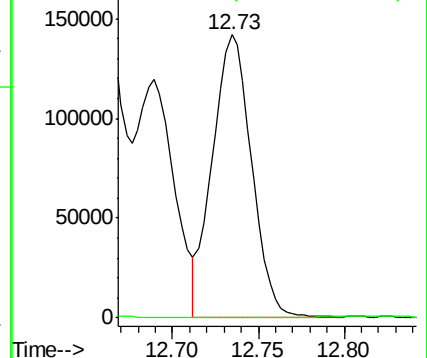
91 100

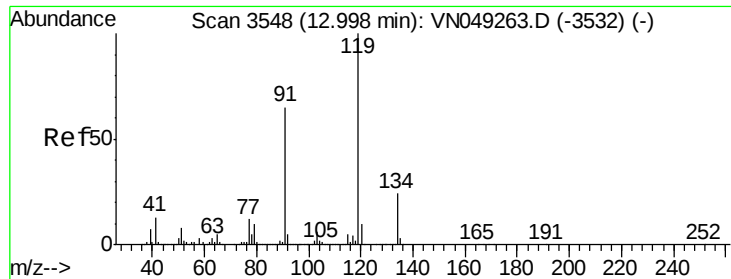
126 0.0 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN049329.D (-3479) (-)

Ion 125.90 (125.60 to 126.60): VN049329.D (-3479) (-)

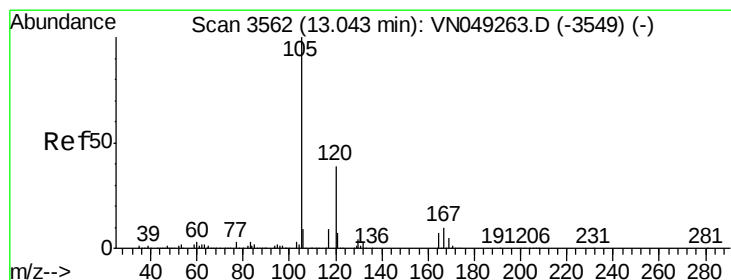
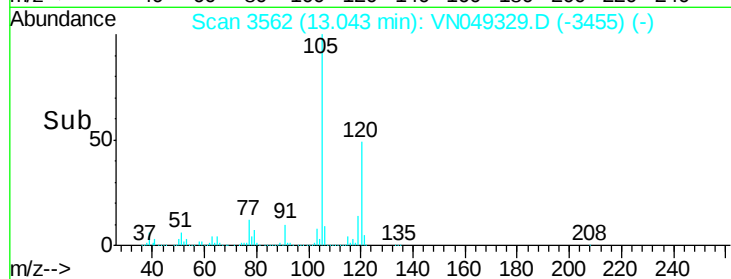
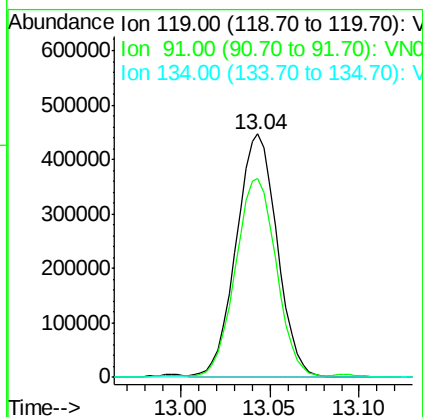
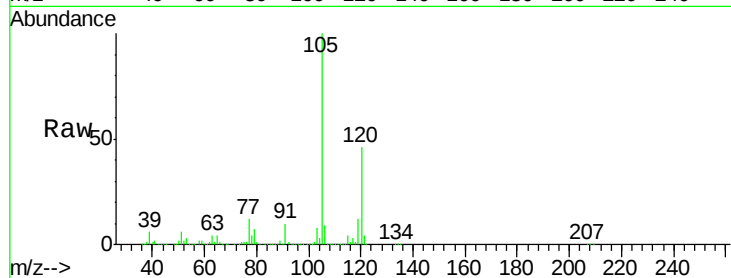




#83
 tert-Butylbenzene
 Concen: 15.57 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.05 min
 Lab File: VN049329.D
 Acq: 16 Jun 2018 23:47

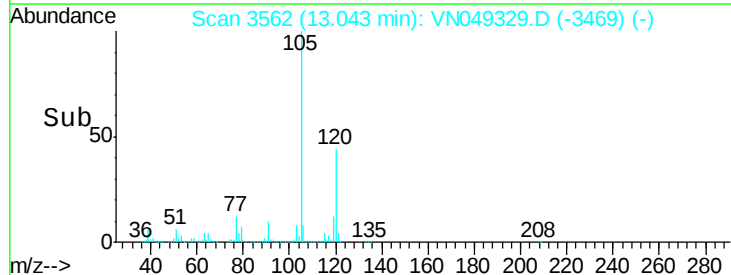
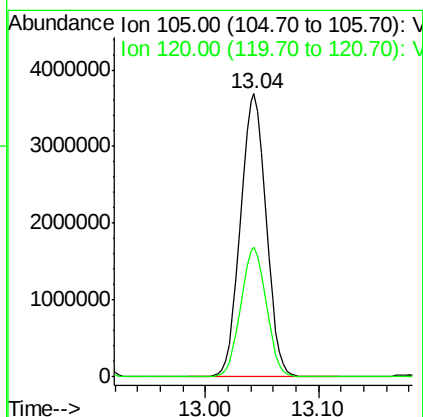
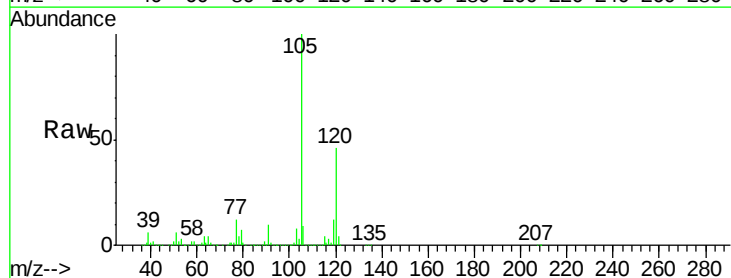
Instrument :
 MSVOA_N
 ClientSampleId :

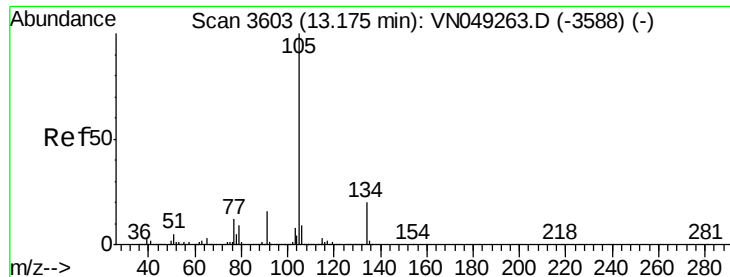
Tot Ion:119 Resp: 707296
 Ion Ratio Lower Upper
 119 100
 91 80.6 33.7 101.0
 134 0.0 12.9 38.6#



#84
 1,2,4-Trimethylbenzene
 Concen: 114.46 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049329.D
 Acq: 16 Jun 2018 23:47

Tgt Ion:105 Resp: 5830047
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.2 66.6





#85

sec-Butylbenzene

Concen: 96.43 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

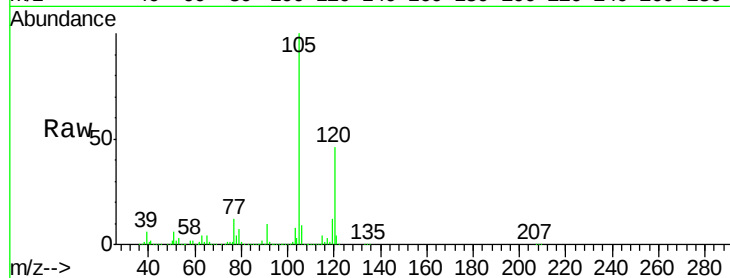
ClientSampleId :

Tot Ion:105 Resp: 5830047

Ion Ratio Lower Upper

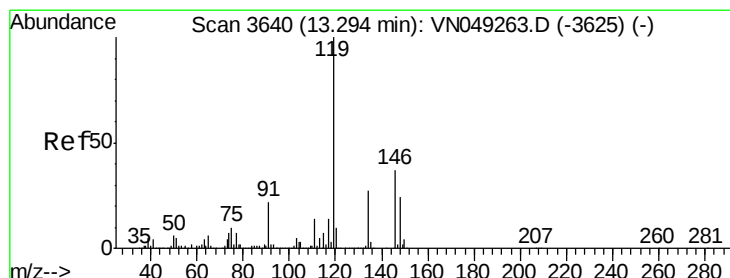
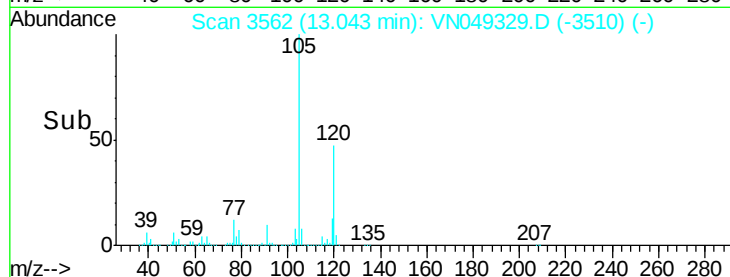
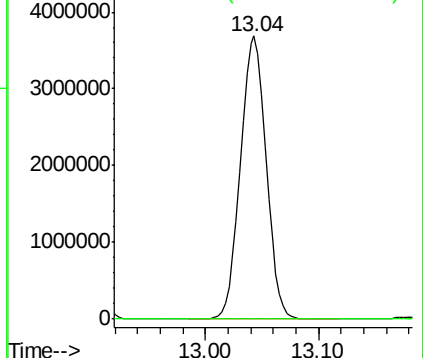
105 100

134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.55 ug/l

RT: 13.24 min Scan# 3622

Delta R.T. -0.06 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

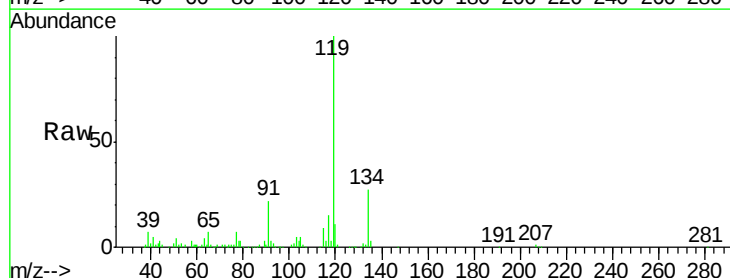
Tgt Ion:119 Resp: 128568

Ion Ratio Lower Upper

119 100

134 27.8 12.9 38.6

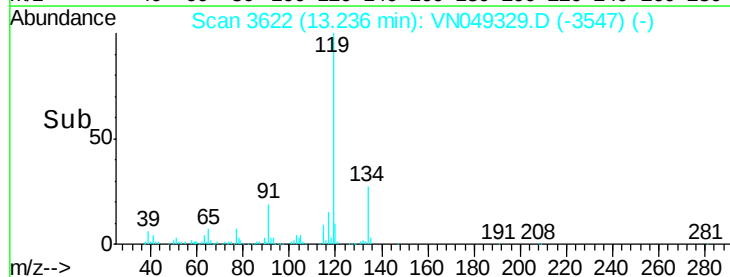
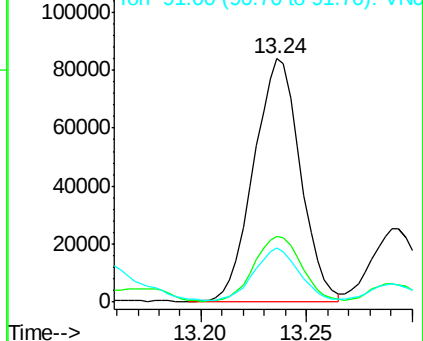
91 20.8 12.1 36.3

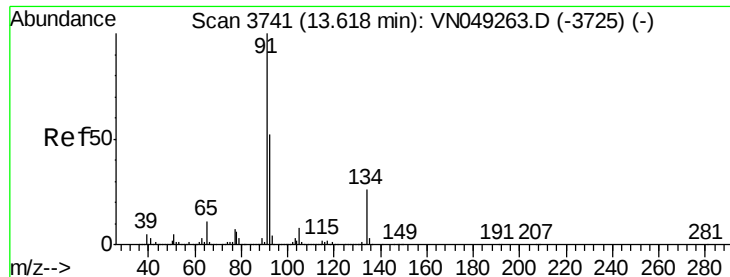


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

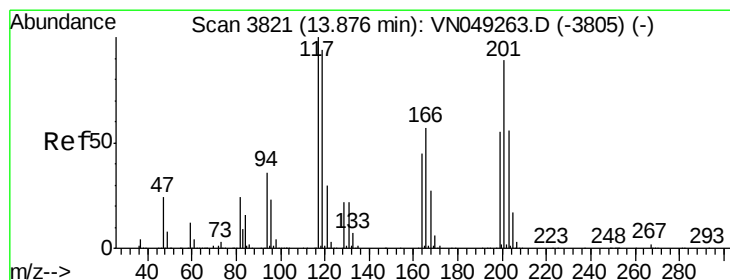
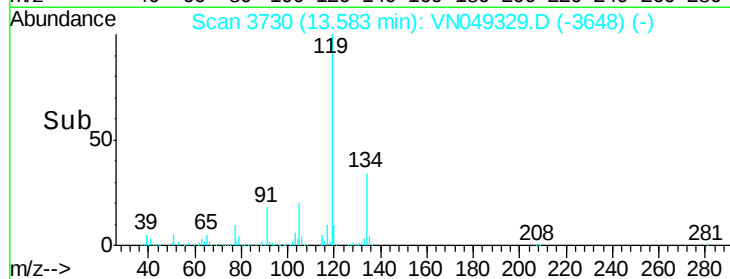
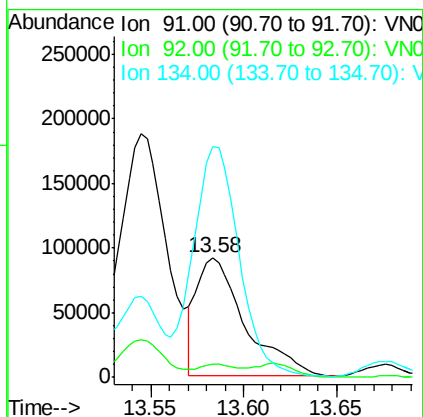
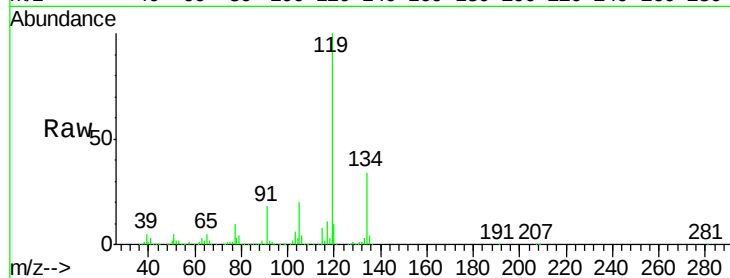




#89
n-Butylbenzene
Concen: 4.17 ug/l
RT: 13.58 min Scan# 3730
Delta R.T. -0.04 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

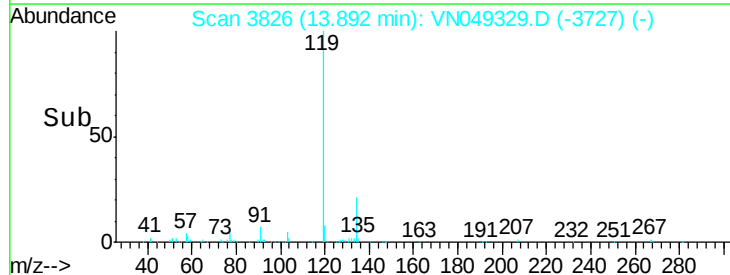
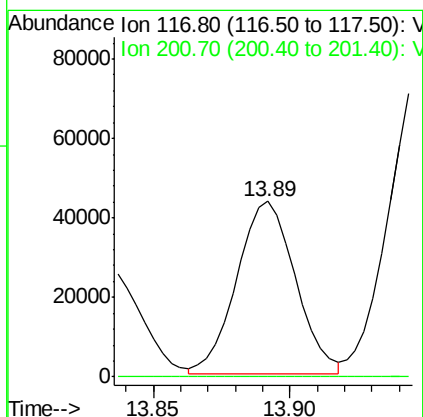
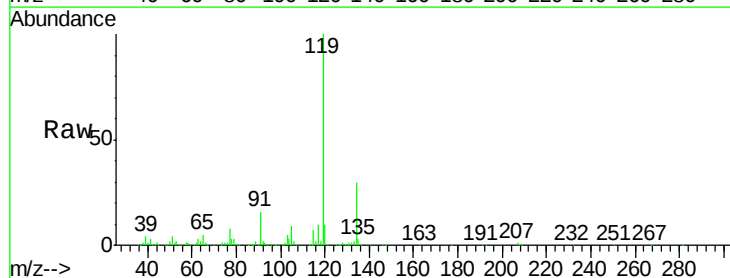
Instrument :
MSVOA_N
ClientSampled :

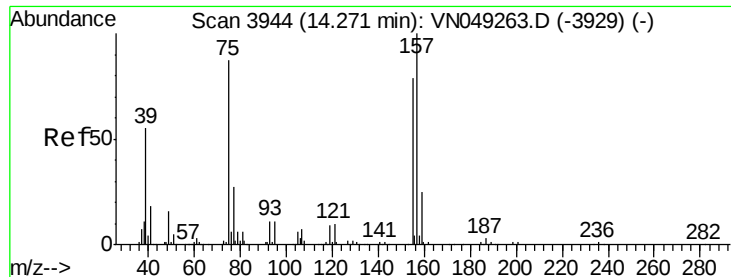
Tot Ion: 91 Resp: 164638
Ion Ratio Lower Upper
91 100
92 8.1 25.1 75.4#
134 185.2 12.0 36.0#



#90
Hexachloroethane
Concen: 5.26 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049329.D
Acq: 16 Jun 2018 23:47

Tgt Ion: 117 Resp: 64782
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#

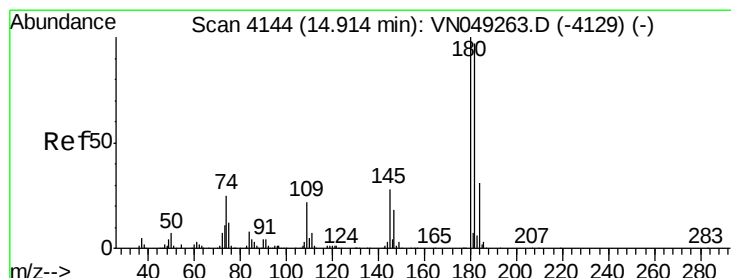
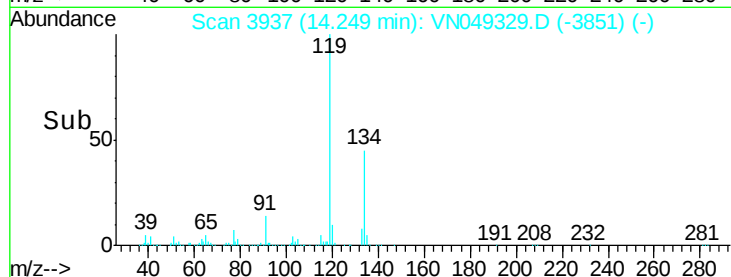
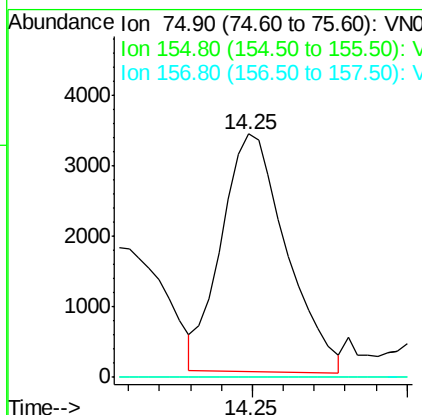
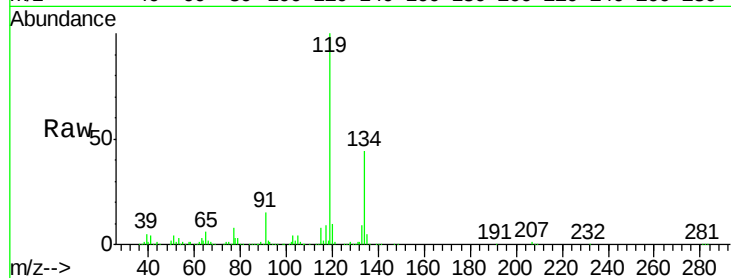




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.17 ug/l
 RT: 14.25 min Scan# 3937
 Delta R.T. -0.02 min
 Lab File: VN049329.D
 Acq: 16 Jun 2018 23:47

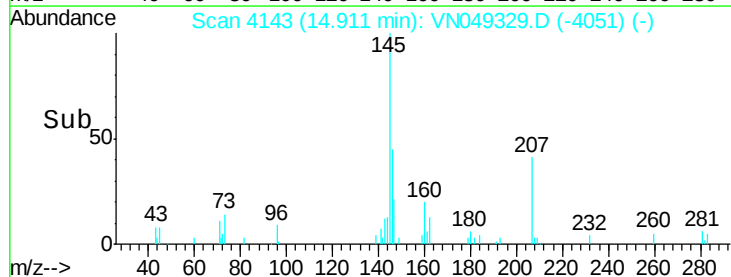
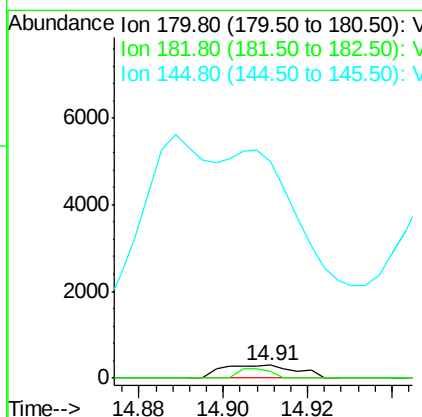
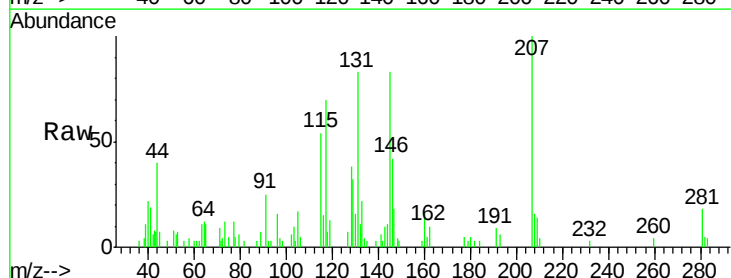
Instrument :
 MSVOA_N
 ClientSampled :

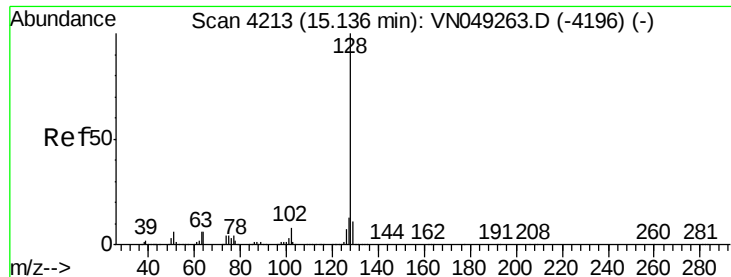
Tot Ion: 75 Resp: 4927
 Ion Ratio Lower Upper
 75 100
 155 0.0 38.8 116.3#
 157 0.0 51.0 153.1#



#93
 1,2,4-Trichlorobenzene
 Concen: 4.77 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049329.D
 Acq: 16 Jun 2018 23:47

Tgt Ion: 180 Resp: 366
 Ion Ratio Lower Upper
 180 100
 182 30.3 46.9 140.8#
 145 0.0 14.7 44.1#





#95

Naphthalene

Concen: 32.60 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

Instrument :

MSVOA_N

ClientSampled :

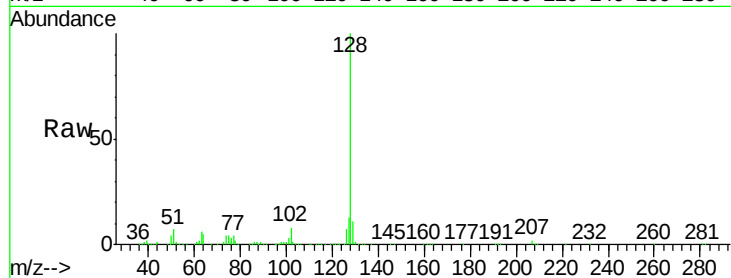
Tot Ion:128 Resp: 686112

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

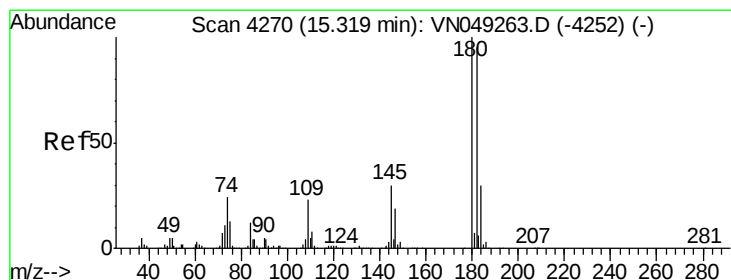
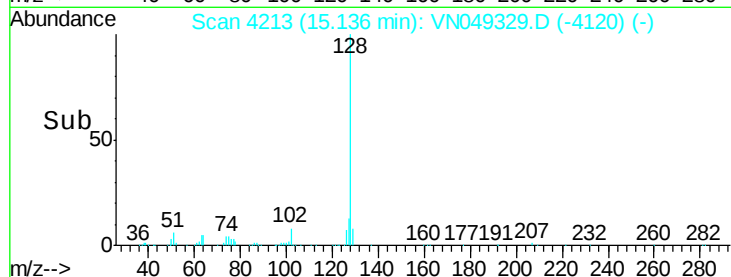
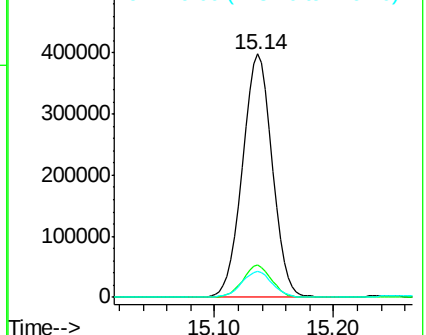
129 10.6 8.5 12.7



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



#96

1,2,3-Trichlorobenzene

Concen: 3.47 ug/l

RT: 15.31 min Scan# 4267

Delta R.T. -0.01 min

Lab File: VN049329.D

Acq: 16 Jun 2018 23:47

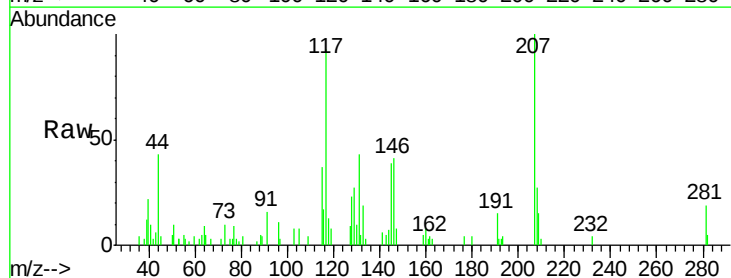
Tgt Ion:180 Resp: 212

Ion Ratio Lower Upper

180 100

182 15.1 47.3 141.8#

145 0.0 15.6 46.7#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

