

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049439.D
 Acq On : 20 Jun 2018 16:37
 Operator : MD\SY
 Sample : J3595-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 01:28:44 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	1349391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2105915	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1716560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	559597	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	877502	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
35) Dibromofluoromethane	7.59	113	774640	45.47	ug/l	0.00
Spiked Amount			Recovery	=	90.94%	
50) Toluene-d8	10.09	98	2870493	44.25	ug/l	0.00
Spiked Amount			Recovery	=	88.50%	
62) 4-Bromofluorobenzene	12.40	95	762345	35.54	ug/l	0.00
Spiked Amount			Recovery	=	71.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	6742	0.60	ug/l #	78
8) Diethyl Ether	3.41	74	18228	1.96	ug/l	98
13) Acrolein	3.61	56	1512	1.37	ug/l #	63
14) Allyl chloride	4.55	41	179102	7.33	ug/l #	20
16) Acetone	3.82	43	33746	7.77	ug/l	96
17) Carbon Disulfide	4.05	76	11964	0.25	ug/l #	92
18) Methyl Acetate	4.33	43	84025	6.34	ug/l	92
20) Methylene Chloride	4.55	84	5272349	290.50	ug/l	92
25) 2-Butanone	6.84	43	5572	0.95	ug/l	95
29) Tetrahydrofuran	7.24	42	3216	0.86	ug/l #	57
30) Chloroform	7.37	83	24474	0.79	ug/l	98
31) Cyclohexane	7.66	56	25907	0.81	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	93288	3.87	ug/l #	51
38) Carbon Tetrachloride	7.66	117	121174	4.85	ug/l #	18
40) Benzene	8.04	78	32805	0.44	ug/l	94
43) Isopropyl Acetate	8.24	43	135683	5.41	ug/l #	64
47) Bromodichloromethane	9.40	83	11087	0.45	ug/l #	94
49) 1,4-Dioxane	9.20	88	504	3.09	ug/l #	55
51) 4-Methyl-2-Pentanone	9.99	43	6049	0.46	ug/l #	84
58) 2-Chloroethyl Vinyl ether	9.70	63	186	14.35	ug/l #	51
59) 2-Hexanone	10.76	43	3932	0.46	ug/l	90
65) Chlorobenzene	11.43	112	12935	0.29	ug/l	98
68) m/p-Xylenes	11.62	106	9475	0.34	ug/l	88
75) 1,1,2,2-Tetrachloroethane	12.51	83	1022	Below	Cal #	78
76) 1,2,3-Trichloropropane	12.40	75	370671	38.82	ug/l #	100
78) n-propylbenzene	12.60	91	11370	0.21	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	19321	0.50	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	370671	122.70	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.04	105	65230	1.70	ug/l	95
88) 1,4-Dichlorobenzene	13.36	146	5390	0.25	ug/l #	9
89) n-Butylbenzene	13.62	91	6920	0.23	ug/l	93
90) Hexachloroethane	13.89	117	1648	Below	Cal #	22
91) 1,2-Dichlorobenzene	13.65	146	4817	0.23	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	14.27	75	463	0.27	ug/l #	42

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QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

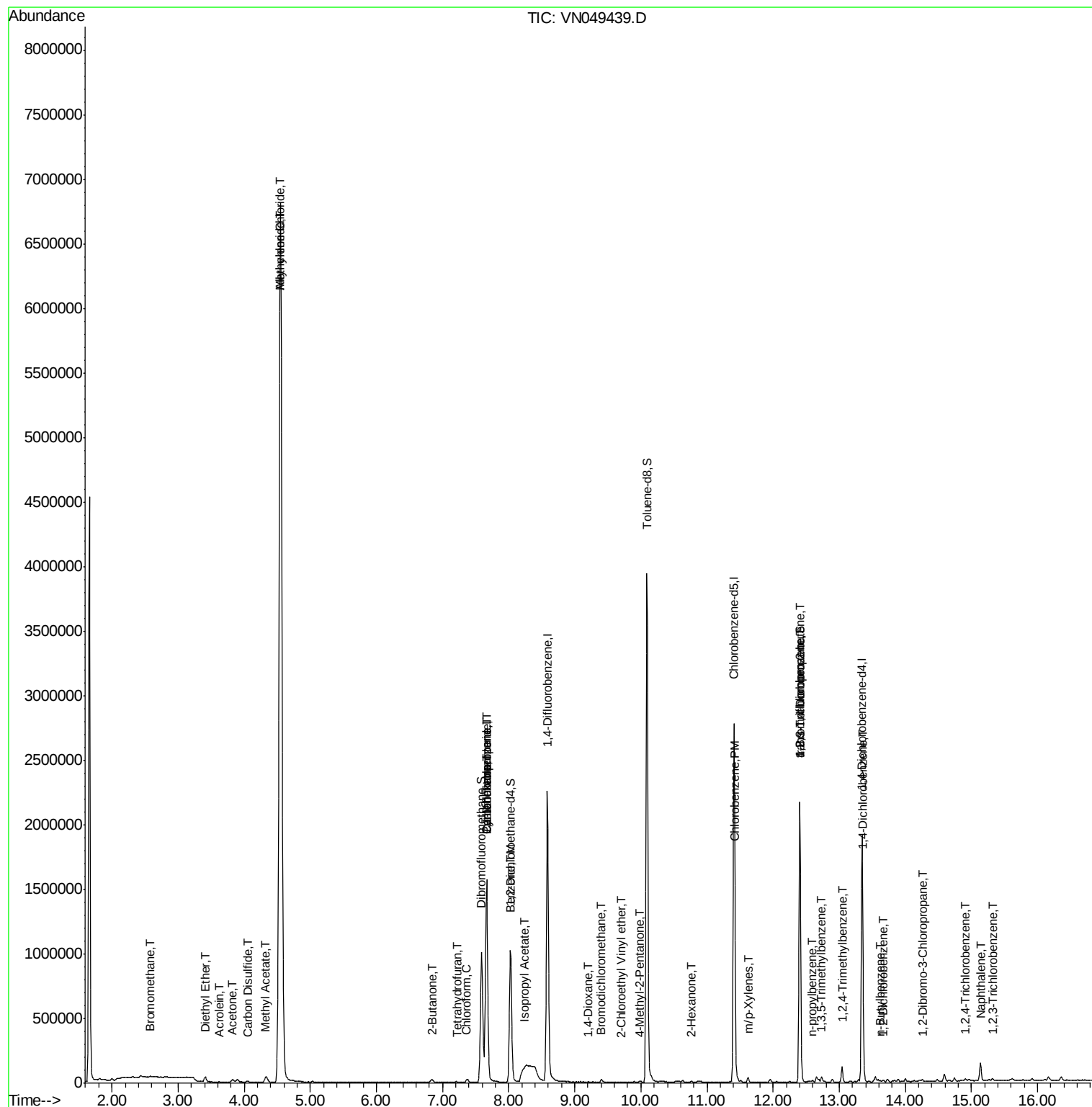
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	5536	5.26	ug/l	96
94) Hexachlorobutadiene	15.01	225	982	Below Cal		67
95) Naphthalene	15.14	128	118964	9.59	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	6593	4.11	ug/l #	80

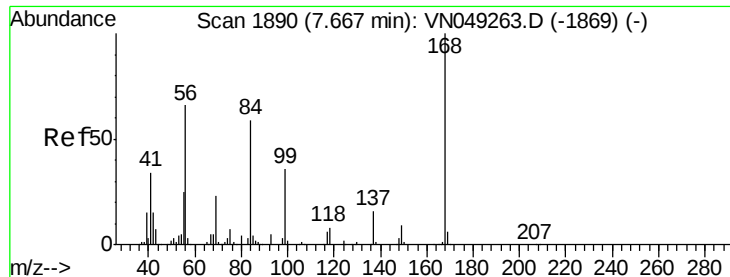
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

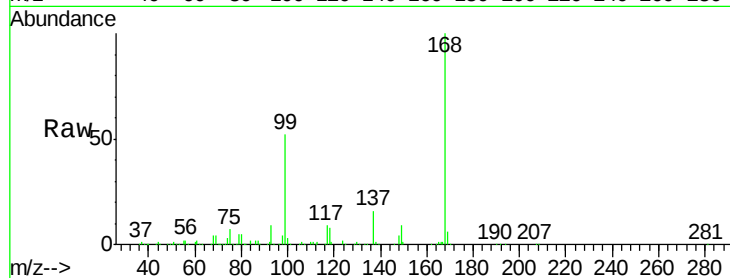
ClientSampleId :

Tot Ion:168 Resp: 1349391

Ion Ratio Lower Upper

168 100

99 51.9 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

500000

400000

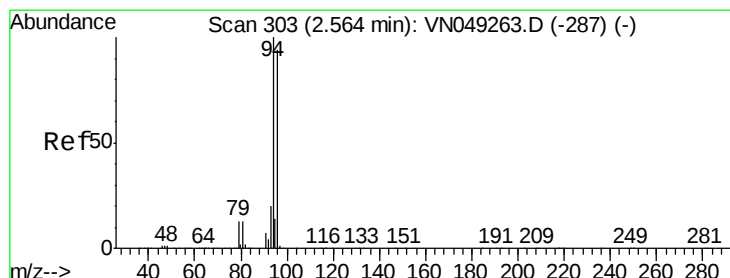
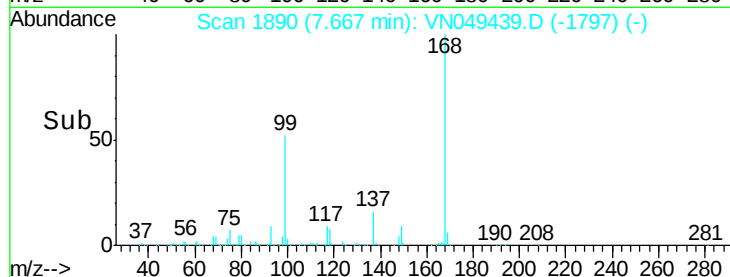
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.60 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049439.D

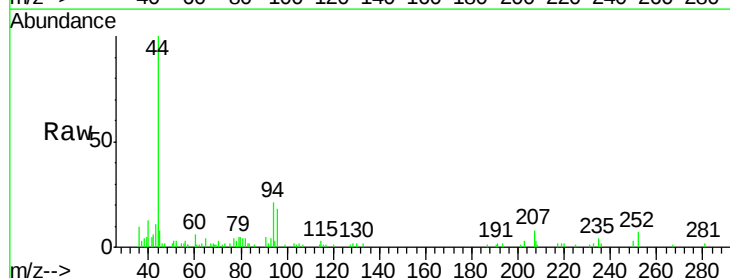
Acq: 20 Jun 2018 16:37

Tgt Ion: 94 Resp: 6742

Ion Ratio Lower Upper

94 100

96 70.5 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

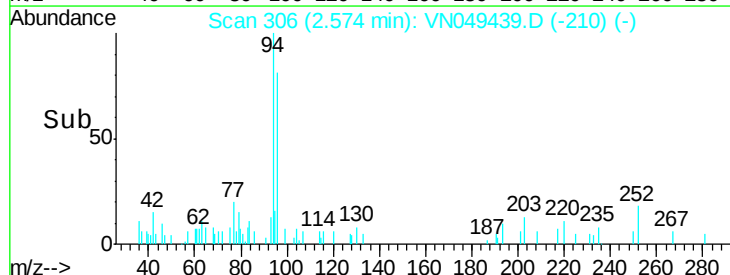
3000

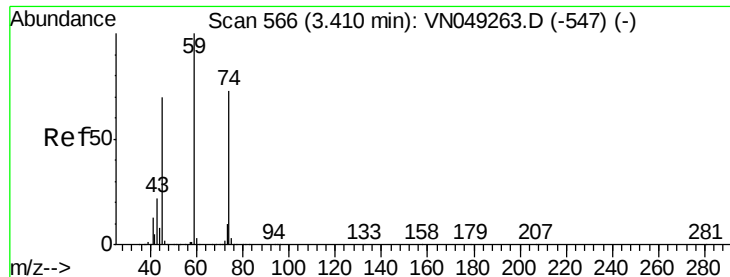
2000

1000

0

Time-->





#8

Diethyl Ether

Concen: 1.96 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

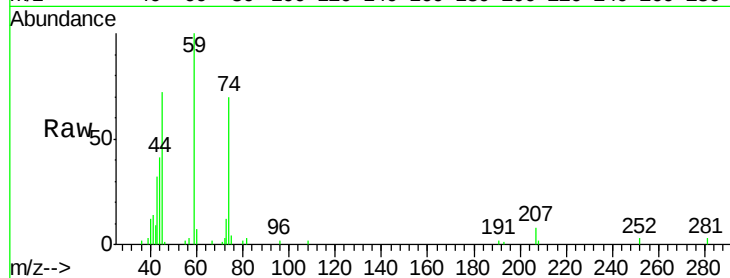
ClientSampled :

Tot Ion: 74 Resp: 18228

Ion Ratio Lower Upper

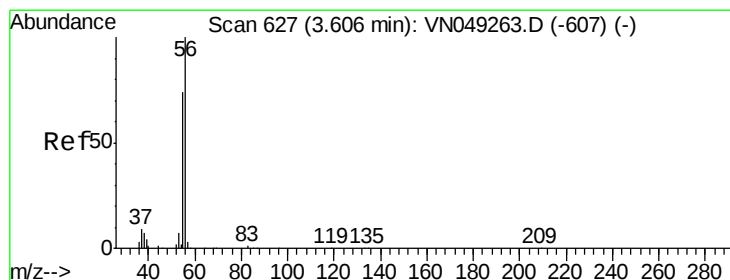
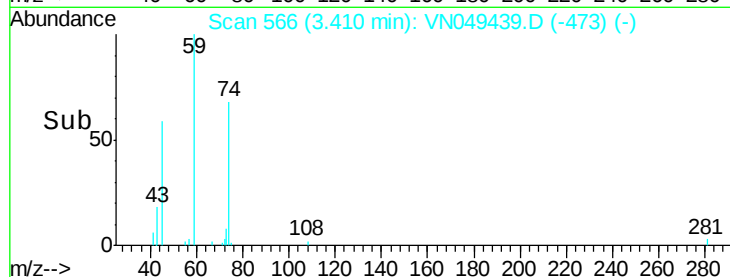
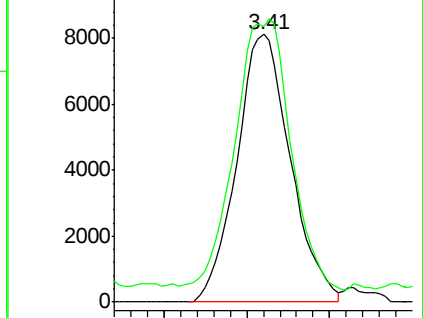
74 100

45 105.8 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN049439.D (-547) (-)

Ion 45.00 (44.70 to 45.70): VN049439.D (-547) (-)



#13

Acrolein

Concen: 1.37 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049439.D

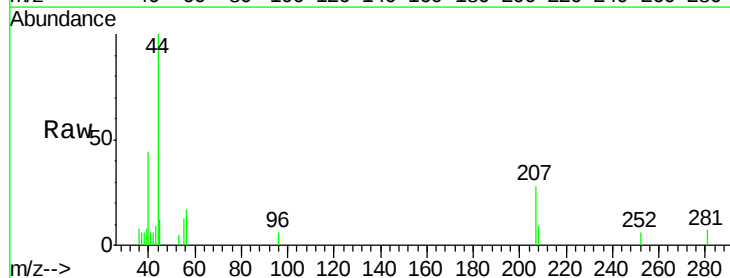
Acq: 20 Jun 2018 16:37

Tgt Ion: 56 Resp: 1512

Ion Ratio Lower Upper

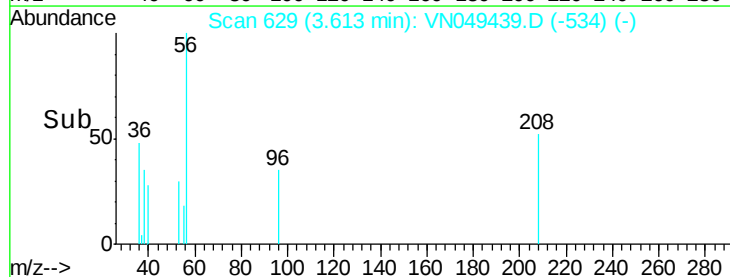
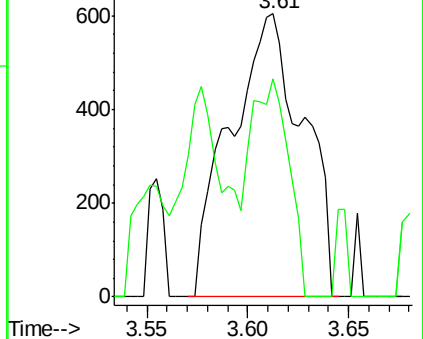
56 100

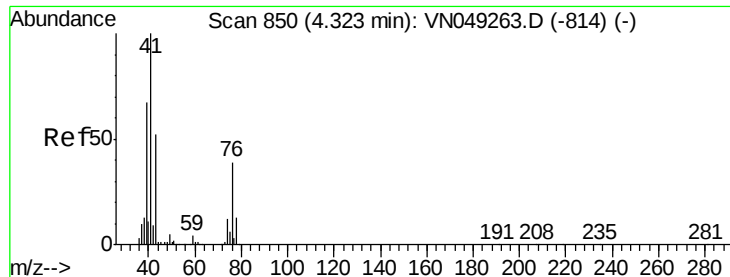
55 40.7 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN049439.D (-534) (-)

Ion 55.00 (54.70 to 55.70): VN049439.D (-534) (-)

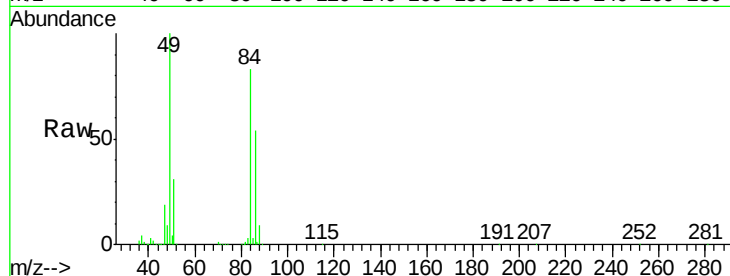




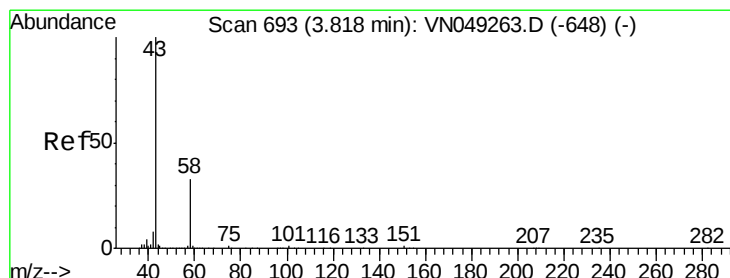
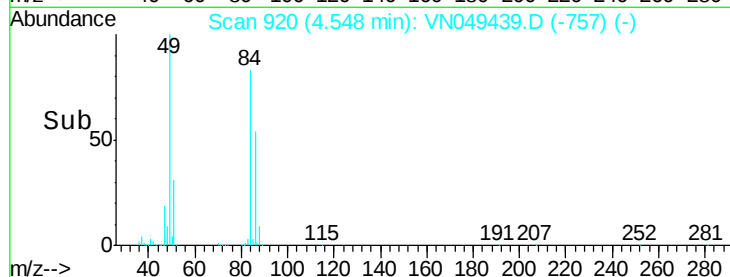
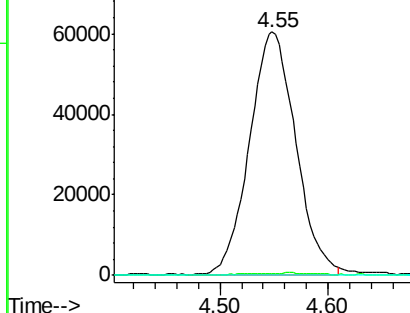
#14
Allvl chloride
Concen: 7.33 ug/l
RT: 4.55 min Scan# 920
Delta R.T. 0.23 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.4	62.5	93.7#
76	0.0	27.1	40.7#

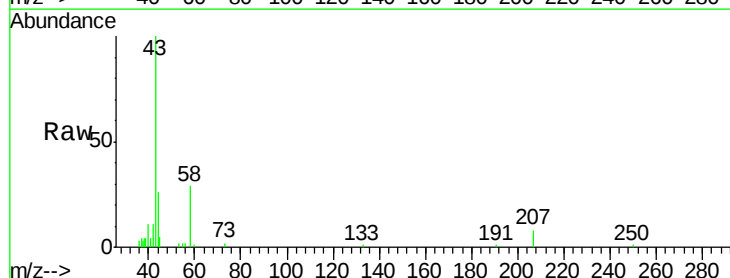


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 75.90 (75.60 to 76.60): VN0

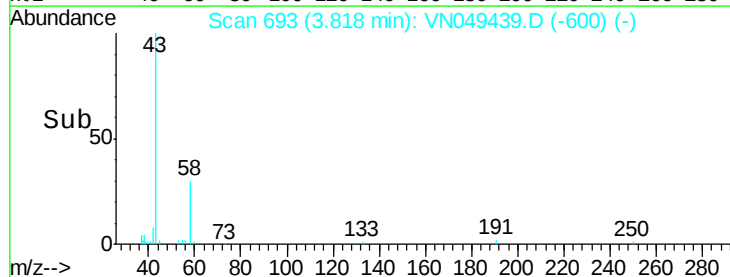
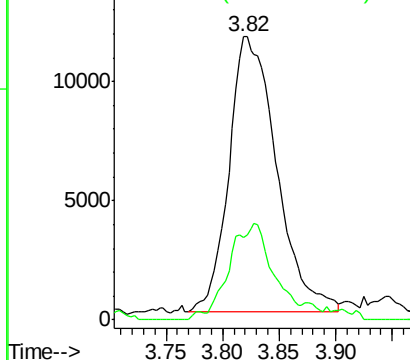


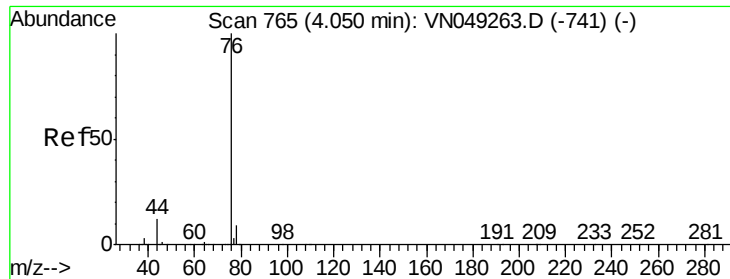
#16
Acetone
Concen: 7.77 ug/l
RT: 3.82 min Scan# 693
Delta R.T. 0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.1	22.4	33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

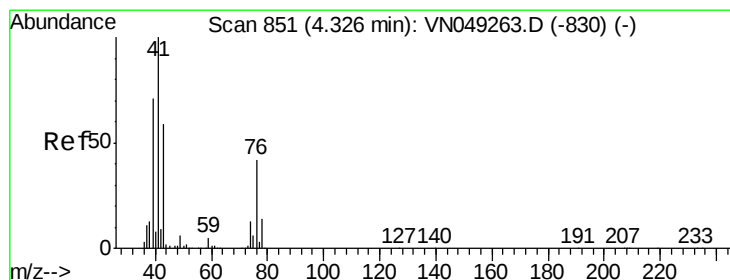
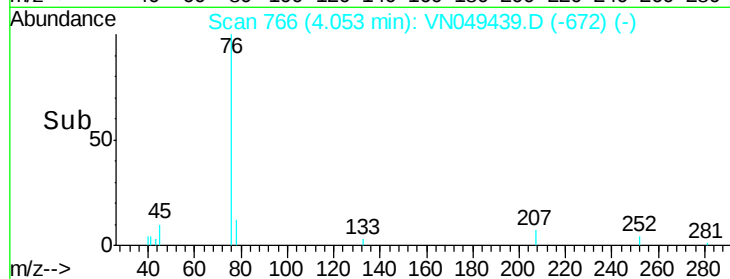
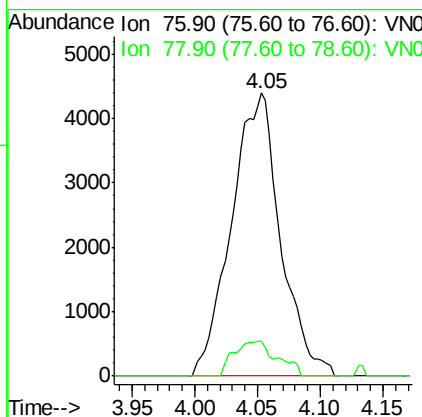
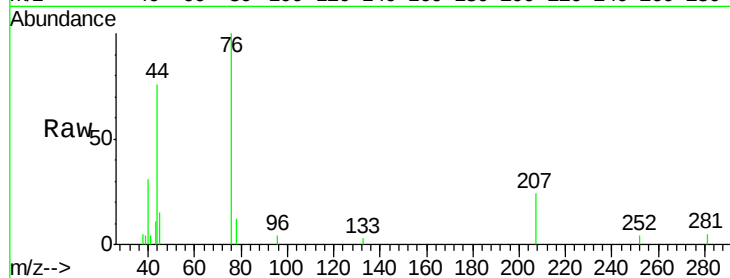




#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

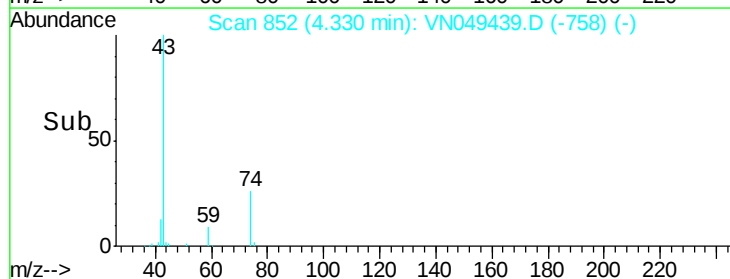
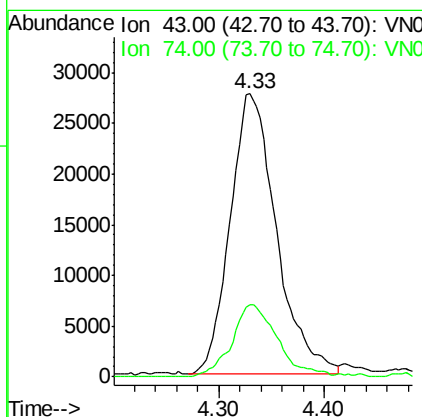
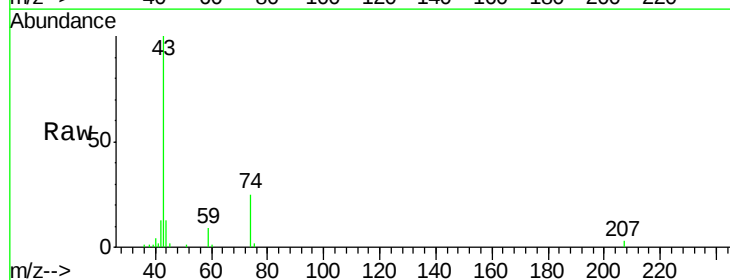
Instrument :
MSVOA_N
ClientSampleId :

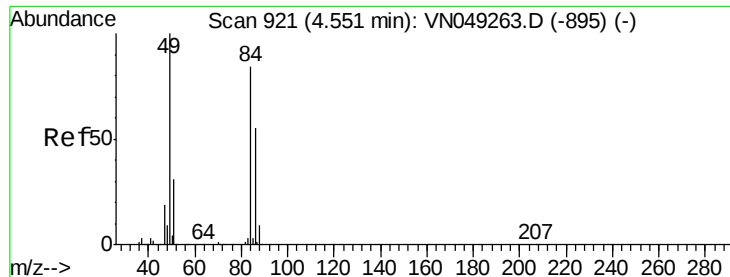
Tot Ion: 76 Resp: 11964
Ion Ratio Lower Upper
76 100
78 12.2 7.4 11.0#



#18
Methyl Acetate
Concen: 6.34 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

Tgt Ion: 43 Resp: 84025
Ion Ratio Lower Upper
43 100
74 25.5 17.4 26.0

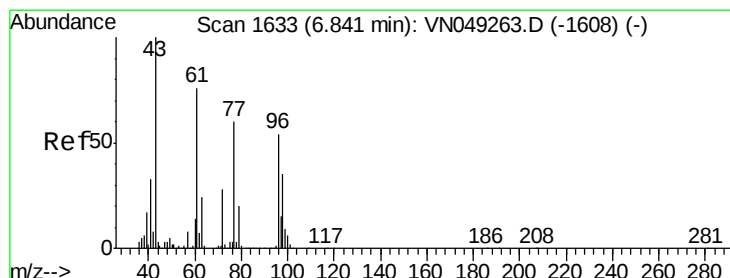
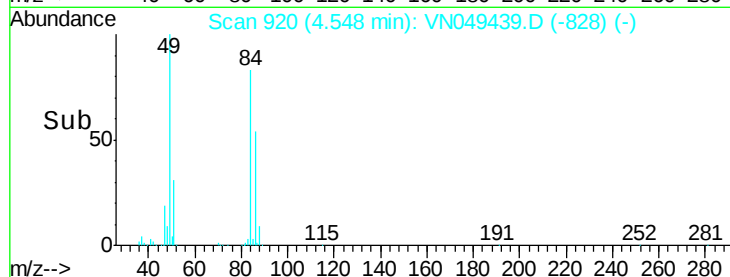
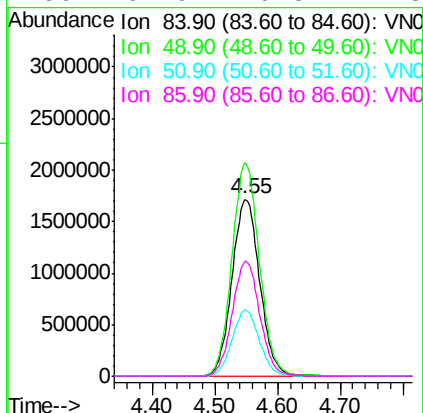
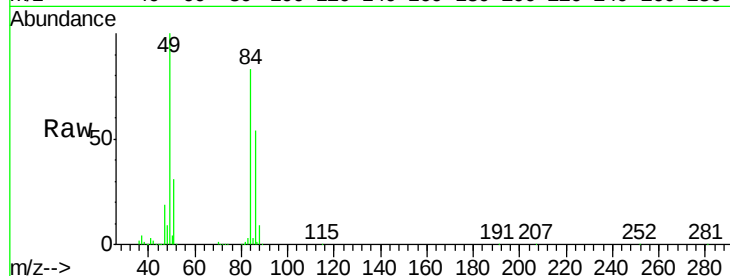




#20
Methvlene Chloride
Concen: 290.50 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

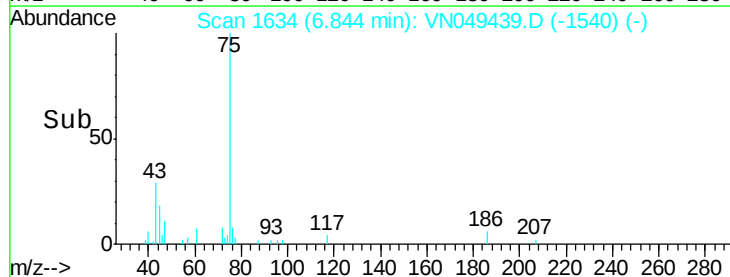
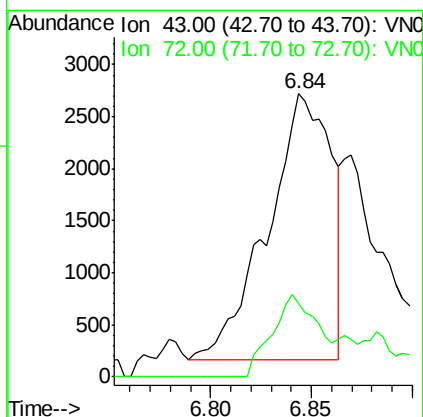
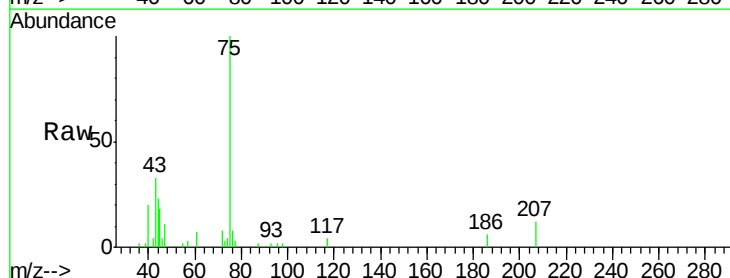
Instrument :
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ClientSampleId :

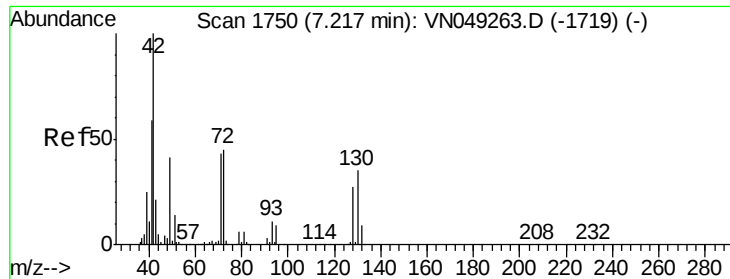
Tot Ion: 84 Resp: 5272349
Ion Ratio Lower Upper
84 100
49 120.5 106.9 160.3
51 37.4 32.7 49.1
86 64.9 49.8 74.8



#25
2-Butanone
Concen: 0.95 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

Tgt Ion: 43 Resp: 5572
Ion Ratio Lower Upper
43 100
72 27.6 20.2 30.2





#29

Tetrahydrofuran

Concen: 0.86 ug/l

RT: 7.24 min Scan# 1756

Delta R.T. 0.02 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

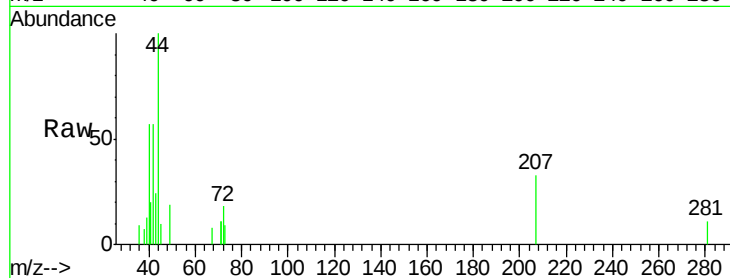
Tot Ion: 42 Resp: 3216

Ion Ratio Lower Upper

42 100

72 11.4 32.2 48.4#

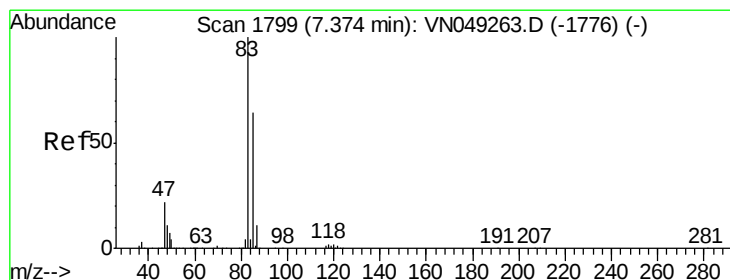
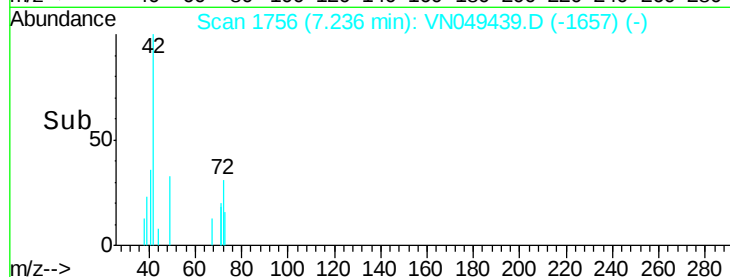
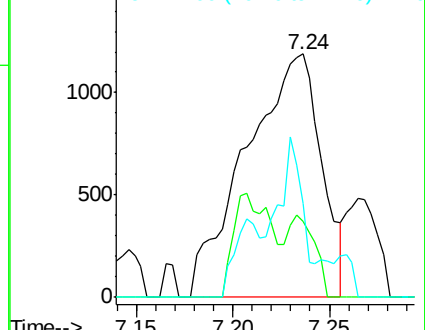
71 15.0 30.5 45.7#



Abundance Ion 42.00 (41.70 to 42.70): VN049439.D (-1657) (-)

Ion 72.00 (71.70 to 72.70): VN049439.D (-1657) (-)

Ion 71.00 (70.70 to 71.70): VN049439.D (-1657) (-)



#30

Chloroform

Concen: 0.79 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN049439.D

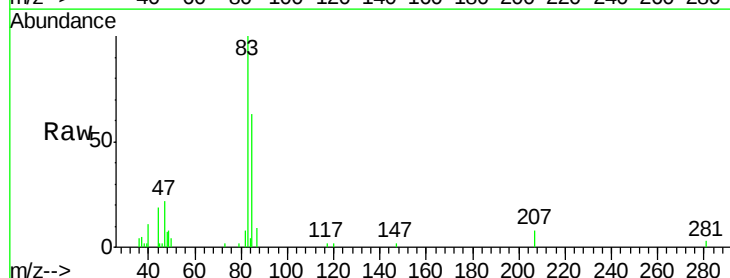
Acq: 20 Jun 2018 16:37

Tgt Ion: 83 Resp: 24474

Ion Ratio Lower Upper

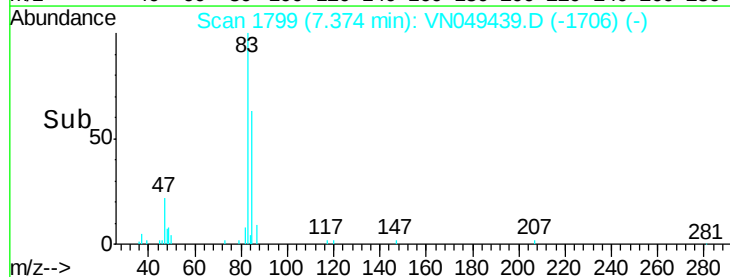
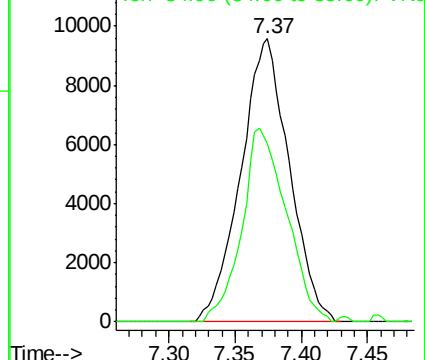
83 100

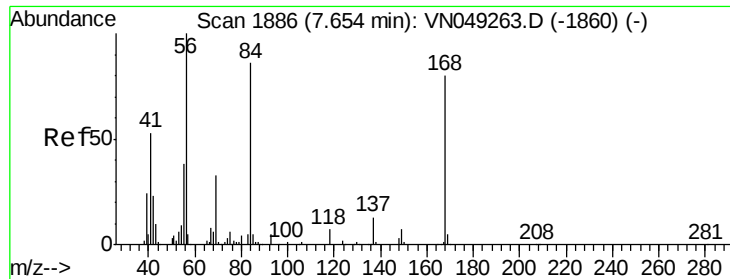
85 63.1 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049439.D (-1706) (-)

Ion 84.90 (84.60 to 85.60): VN049439.D (-1706) (-)

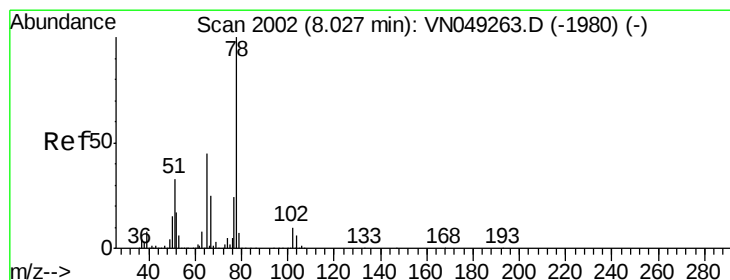
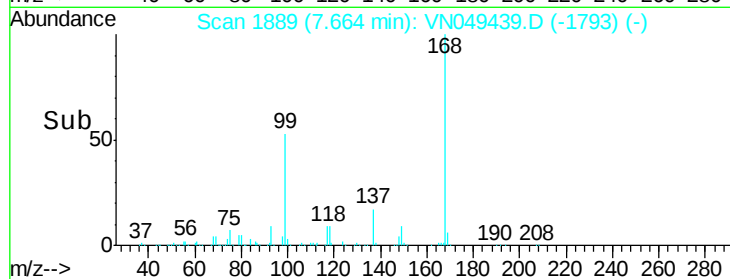
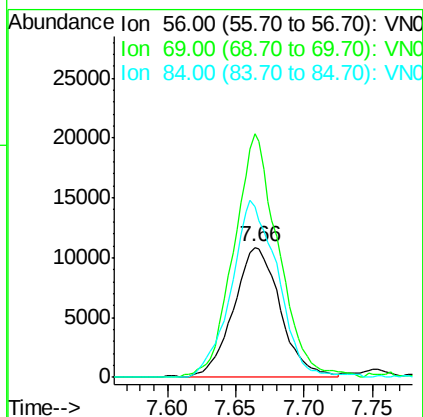
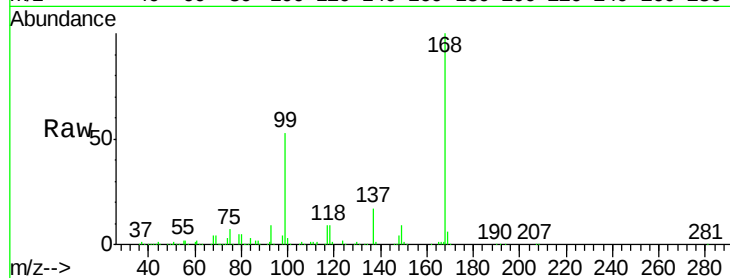




#31
Cyclohexane
Concen: 0.81 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

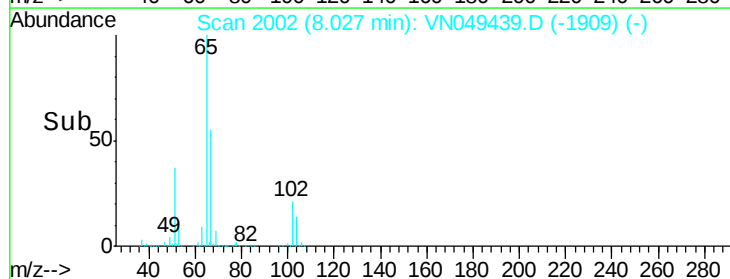
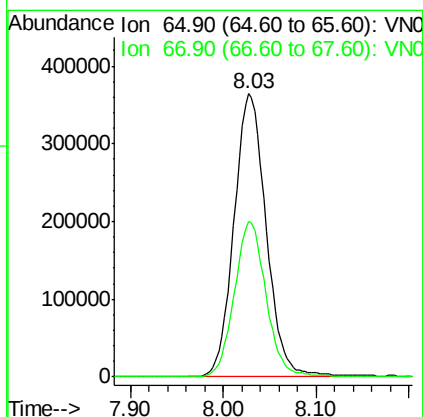
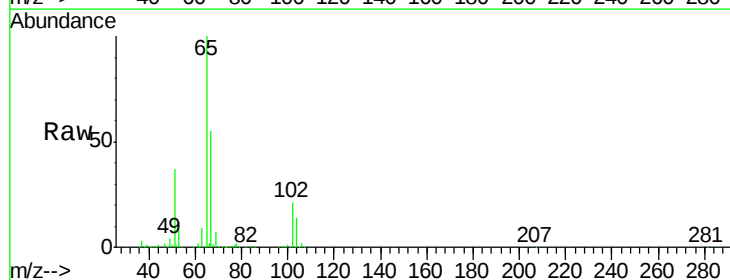
Instrument :
MSVOA_N
ClientSampleId :

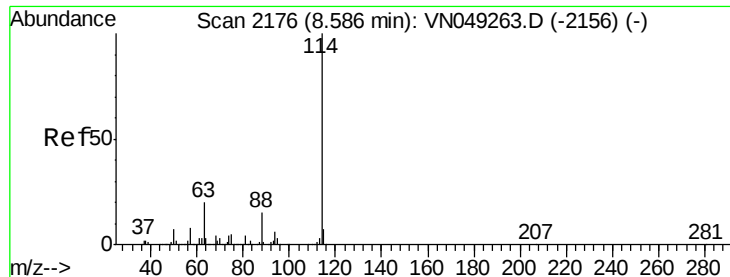
Tot Ion: 56 Resp: 25907
Ion Ratio Lower Upper
56 100
69 184.5 25.0 37.4#
84 131.3 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 49.03 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

Tgt Ion: 65 Resp: 877502
Ion Ratio Lower Upper
65 100
67 54.2 0.0 103.8

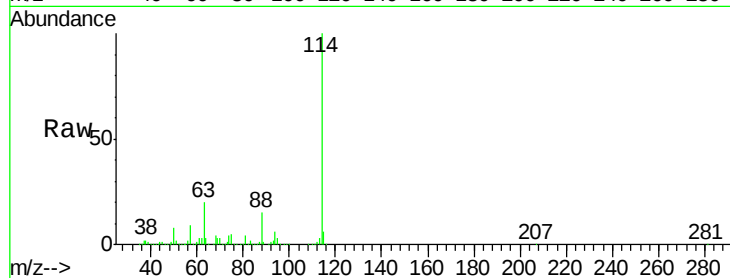




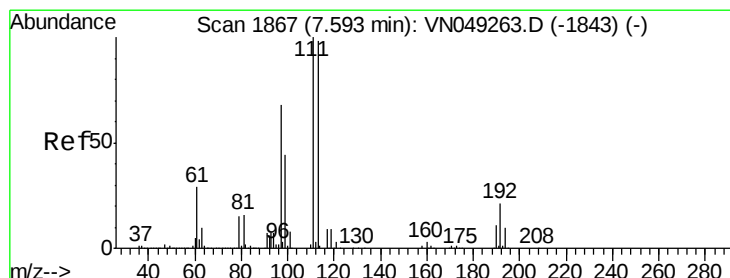
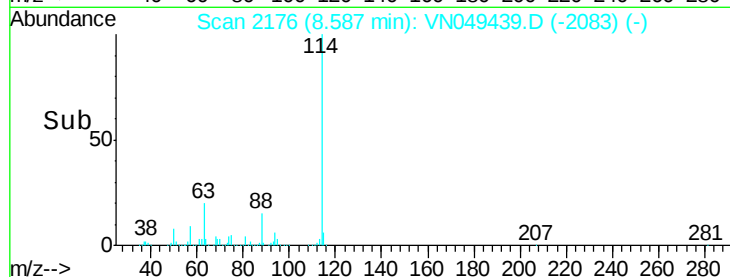
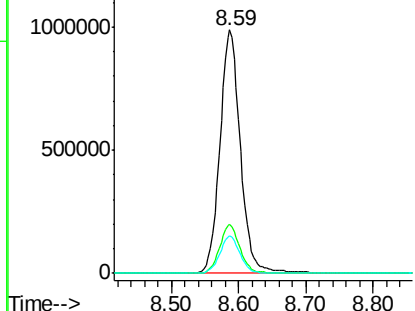
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049439.D
 Acq: 20 Jun 2018 16:37

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 2105915
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 44.4
 88 15.2 0.0 31.4

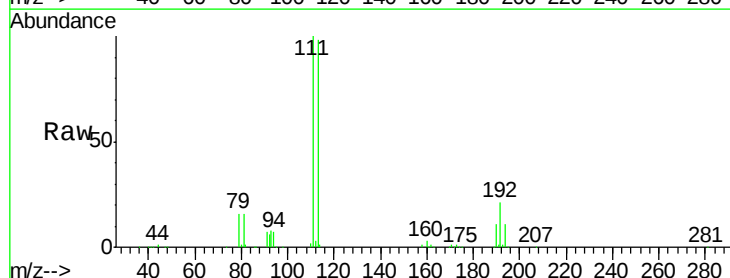


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

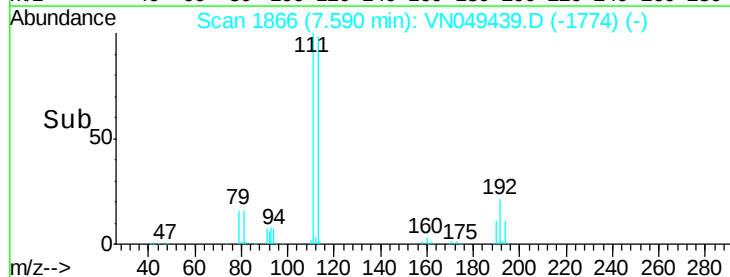
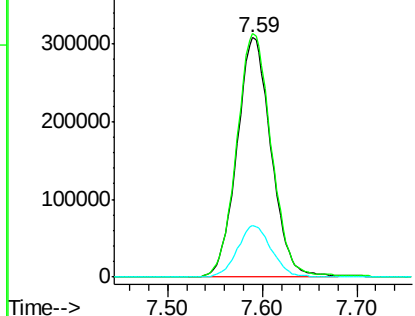


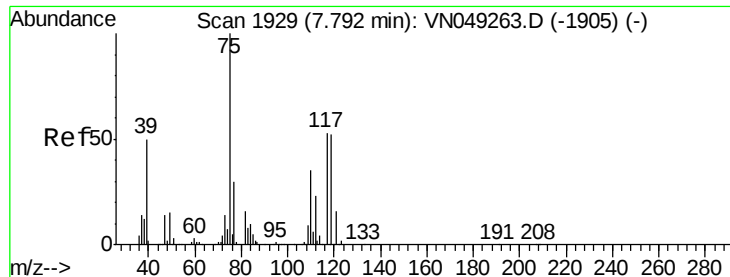
#35
 Dibromofluoromethane
 Concen: 45.47 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049439.D
 Acq: 20 Jun 2018 16:37

Tgt Ion:113 Resp: 774640
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.4 123.6
 192 21.5 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: 3.87 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :
MSVOA_N
ClientSampled :

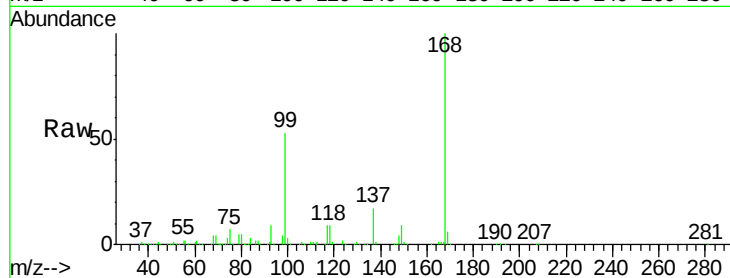
Tot Ion: 75 Resp: 93288

Ion Ratio Lower Upper

75 100

110 9.3 17.0 50.9#

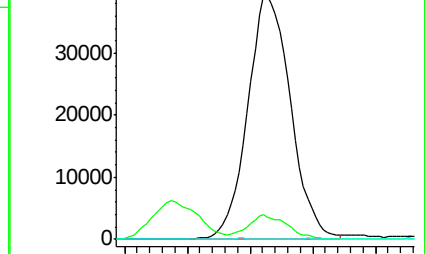
77 0.0 24.4 36.6#



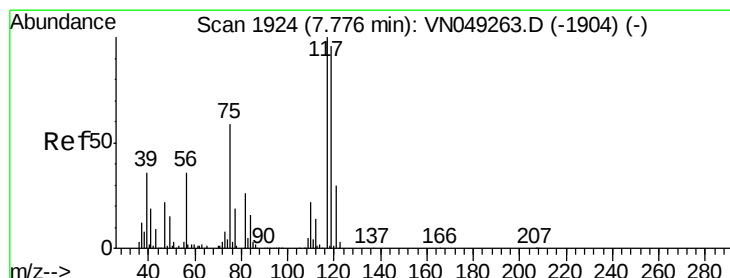
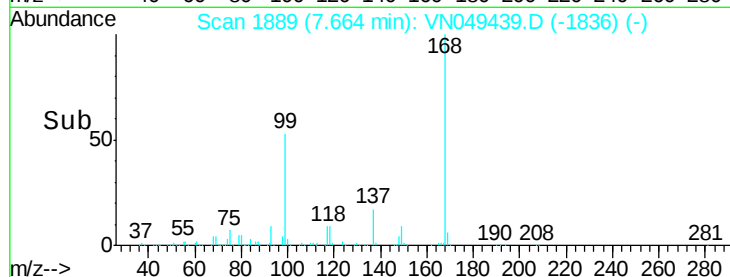
Abundance Ion 74.90 (74.60 to 75.60): VN049439.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049439.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049439.D (-1836) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 4.85 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.11 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

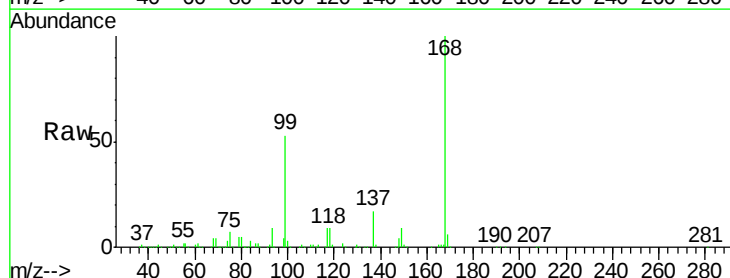
Tgt Ion: 117 Resp: 121174

Ion Ratio Lower Upper

117 100

119 6.5 75.6 113.4#

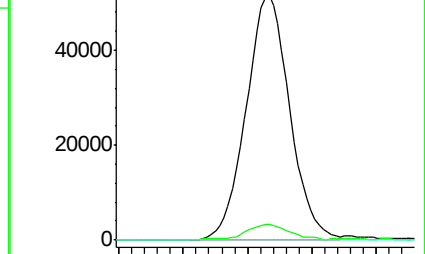
121 0.0 24.7 37.1#



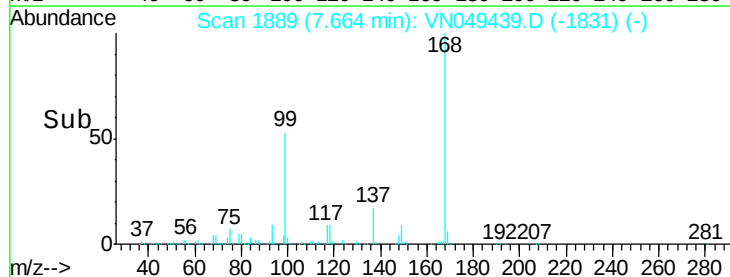
Abundance Ion 116.80 (116.50 to 117.50): VN049439.D (-1831) (-)

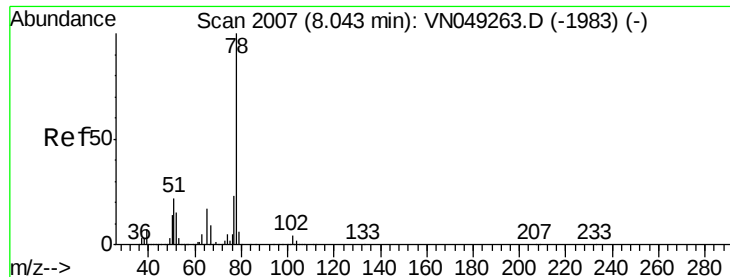
Ion 118.80 (118.50 to 119.50): VN049439.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049439.D (-1831) (-)



Time-->





#40

Benzene

Concen: 0.44 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

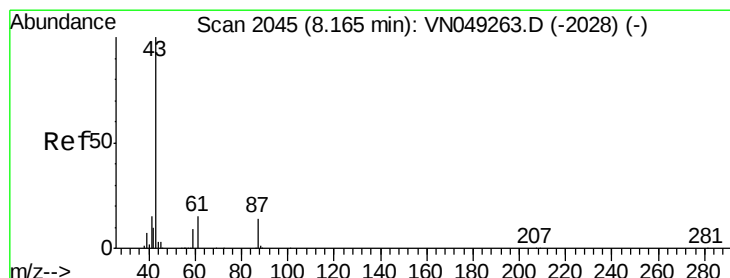
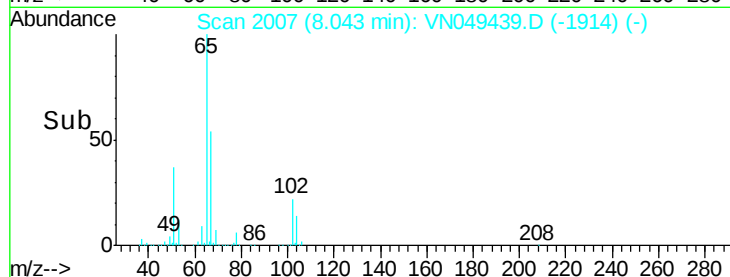
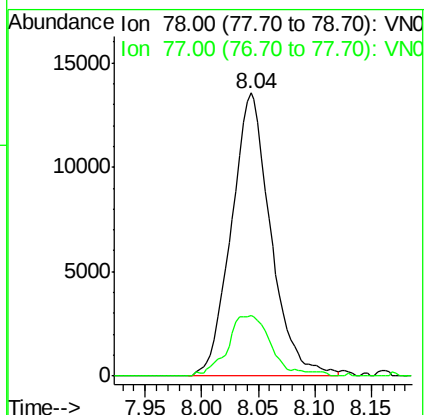
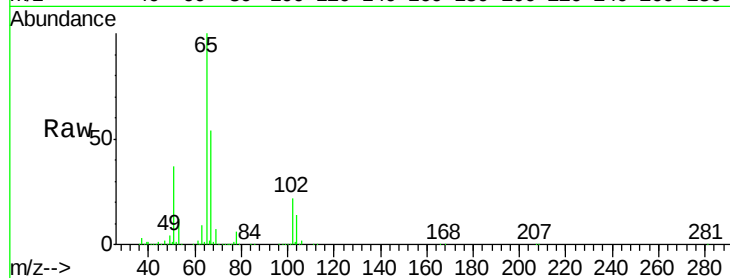
ClientSampleId :

Tot Ion: 78 Resp: 32805

Ion Ratio Lower Upper

78 100

77 21.3 19.4 29.0



#43

Isopropyl Acetate

Concen: 5.41 ug/l

RT: 8.24 min Scan# 2069

Delta R.T. 0.08 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

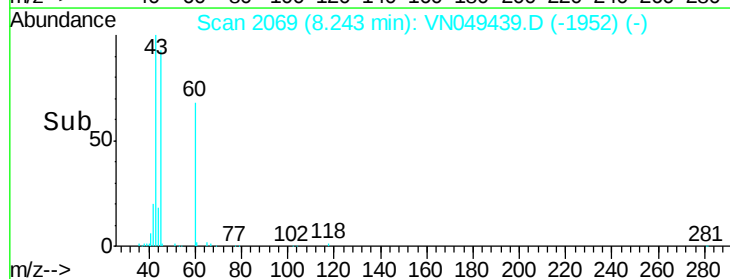
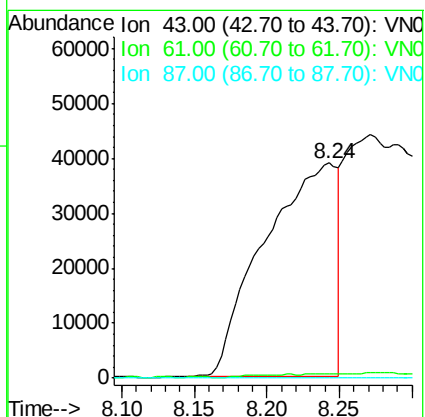
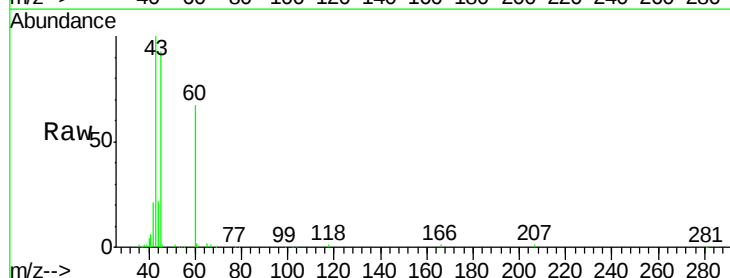
Tgt Ion: 43 Resp: 135683

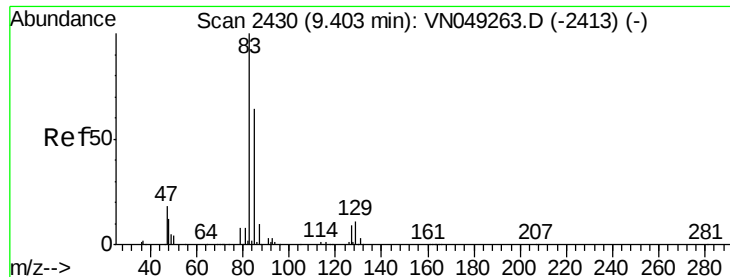
Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#





#47

Bromodichloromethane

Concen: 0.45 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

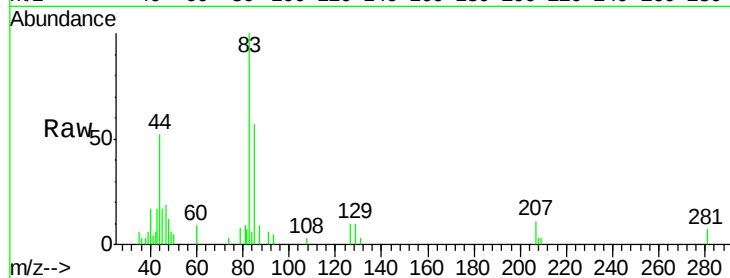
Tot Ion: 83 Resp: 11087

Ion Ratio Lower Upper

83 100

85 56.7 49.4 74.0

127 9.7 6.3 9.5#

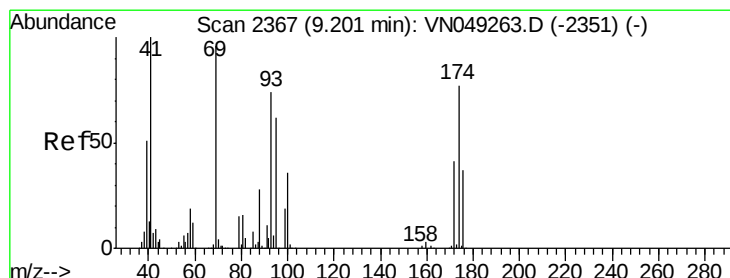
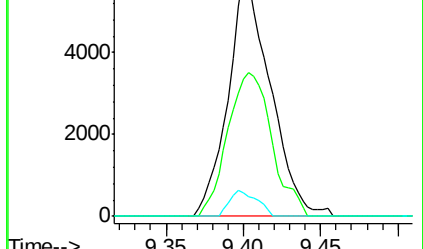
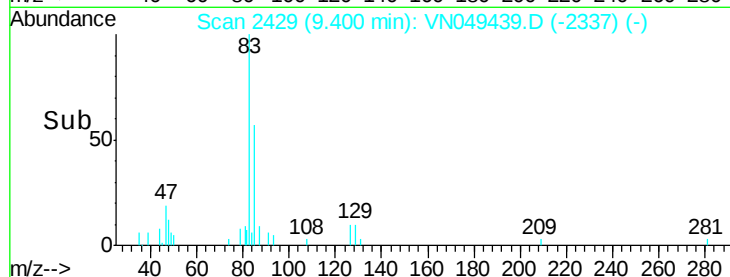


Abundance Ion 82.90 (82.60 to 83.60): VN049439.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049439.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049439.D (-2337) (-)

Time-->



#49

1,4-Dioxane

Concen: 3.09 ug/l

RT: 9.20 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

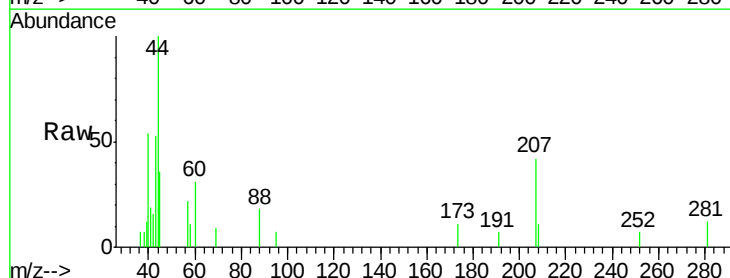
Tgt Ion: 88 Resp: 504

Ion Ratio Lower Upper

88 100

43 108.3 30.9 46.3#

58 81.0 58.9 88.3

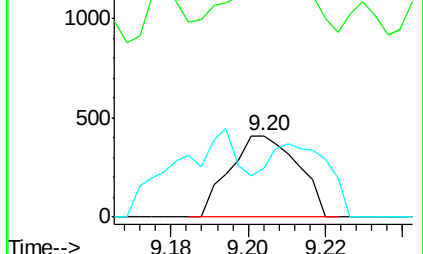
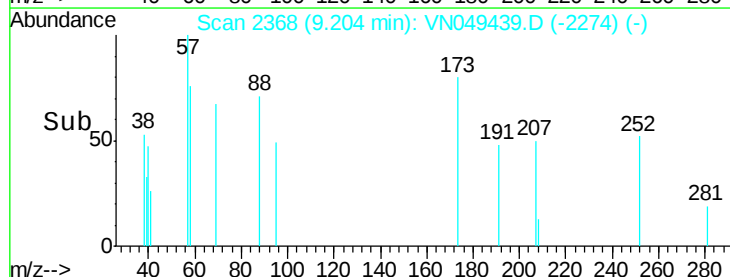


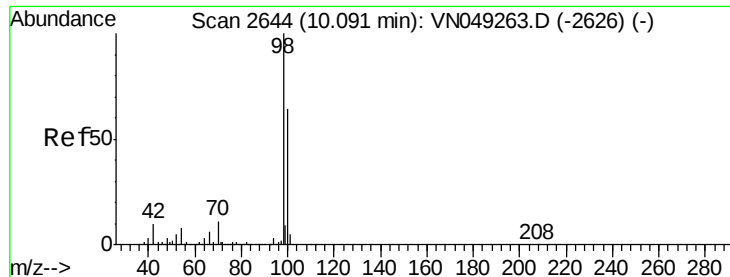
Abundance Ion 88.00 (87.70 to 88.70): VN049439.D (-2274) (-)

Ion 43.00 (42.70 to 43.70): VN049439.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN049439.D (-2274) (-)

Time-->





#50

Toluene-d8

Concen: 44.25 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

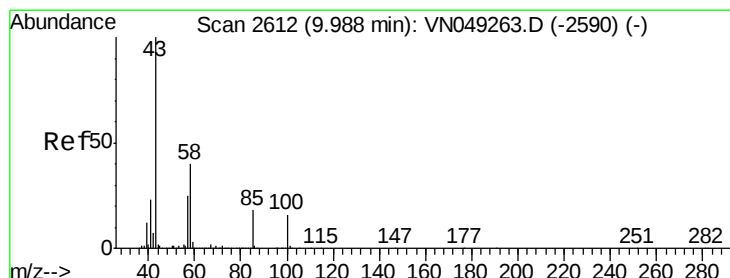
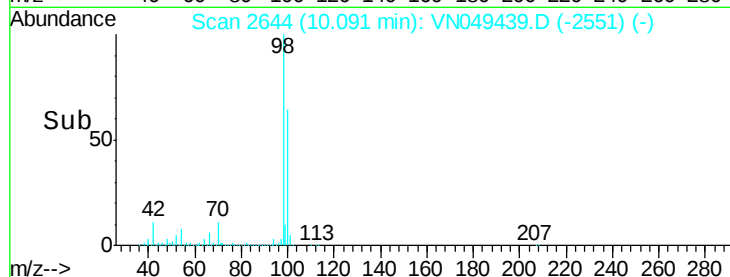
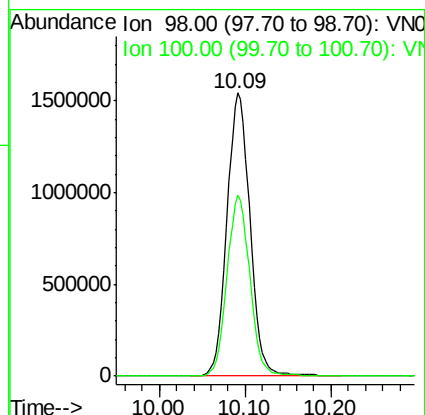
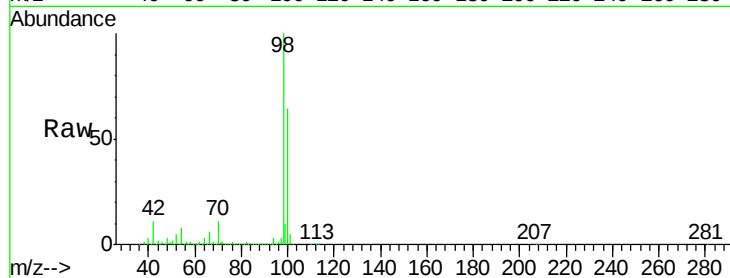
ClientSampled :

Tot Ion: 98 Resp: 2870493

Ion Ratio Lower Upper

98 100

100 63.3 49.8 74.8



#51

4-Methyl-2-Pentanone

Concen: 0.46 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049439.D

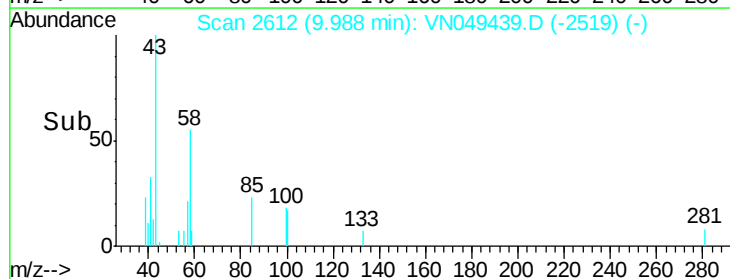
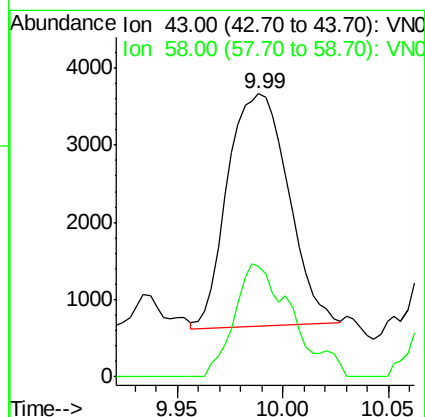
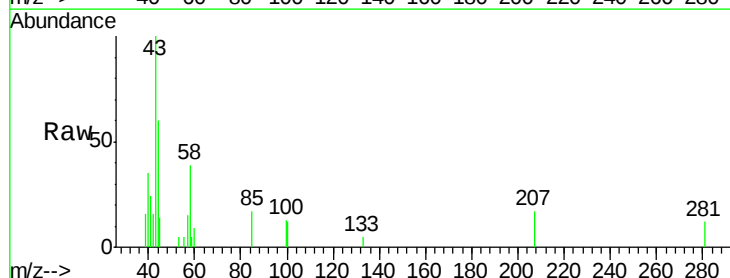
Acq: 20 Jun 2018 16:37

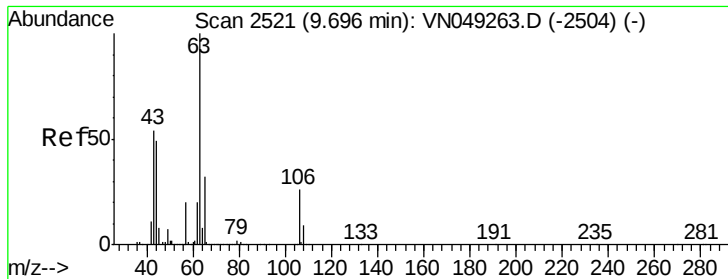
Tgt Ion: 43 Resp: 6049

Ion Ratio Lower Upper

43 100

58 45.8 29.0 43.6#





#58

2-Chloroethyl Vinyl ether

Concen: 14.35 ug/l

RT: 9.70 min Scan# 2523

Delta R.T. 0.01 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

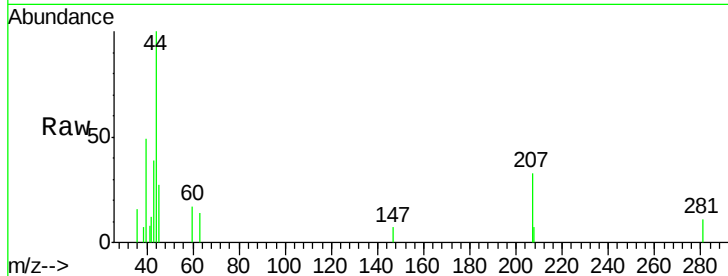
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 186

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

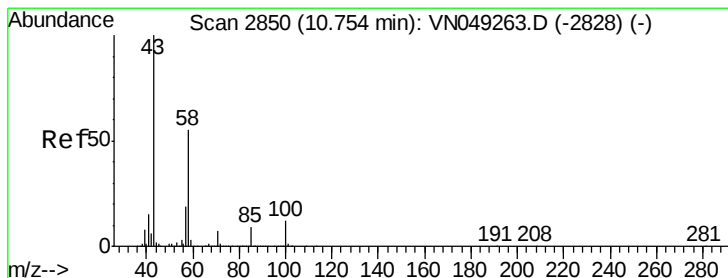
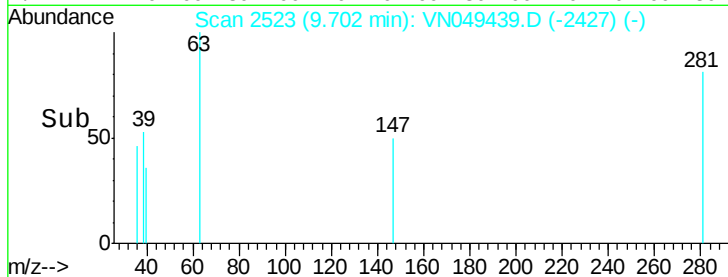
300

200

100

0

Time-->



#59

2-Hexanone

Concen: 0.46 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN049439.D

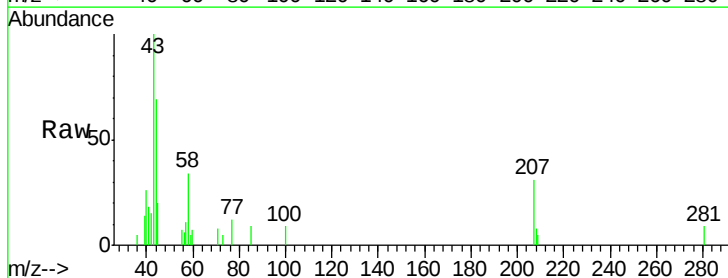
Acq: 20 Jun 2018 16:37

Tgt Ion: 43 Resp: 3932

Ion Ratio Lower Upper

43 100

58 43.6 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

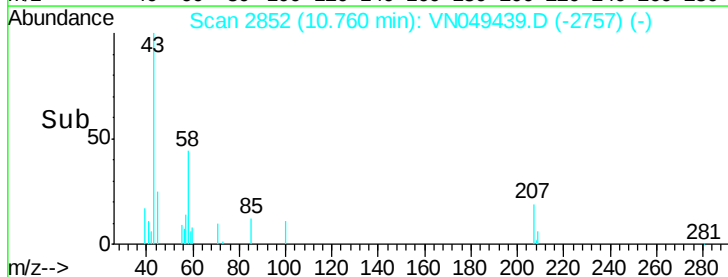
3000

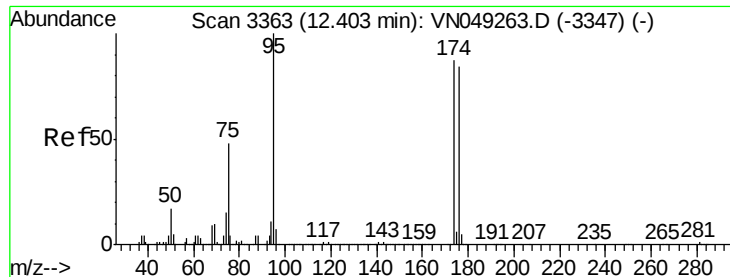
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 35.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

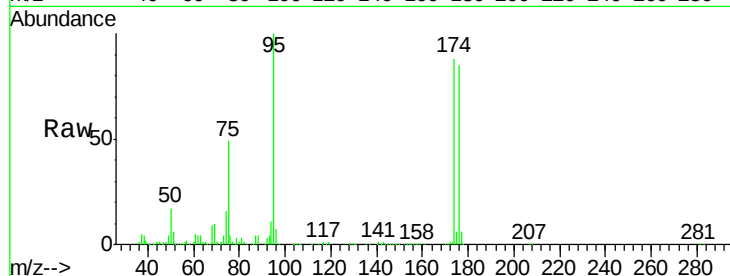
Tot Ion: 95 Resp: 762345

Ion Ratio Lower Upper

95 100

174 89.0 0.0 165.6

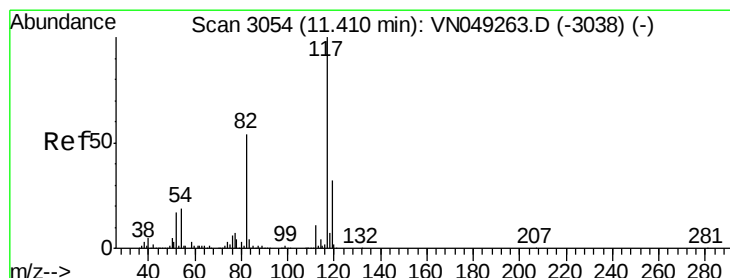
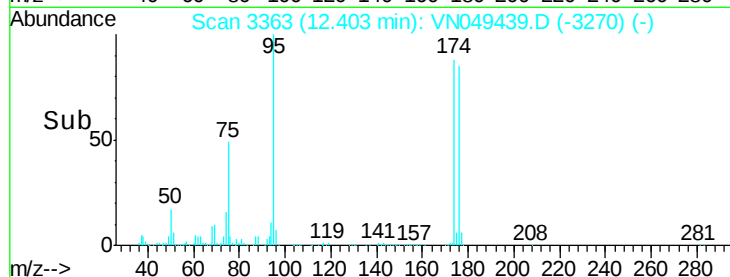
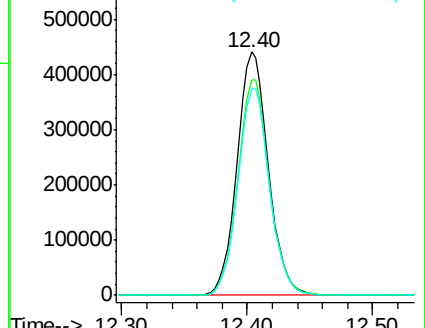
176 85.9 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049439.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049439.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049439.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

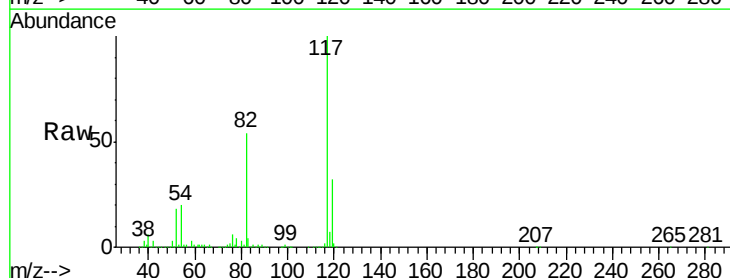
Tgt Ion: 117 Resp: 1716560

Ion Ratio Lower Upper

117 100

82 54.0 45.9 68.9

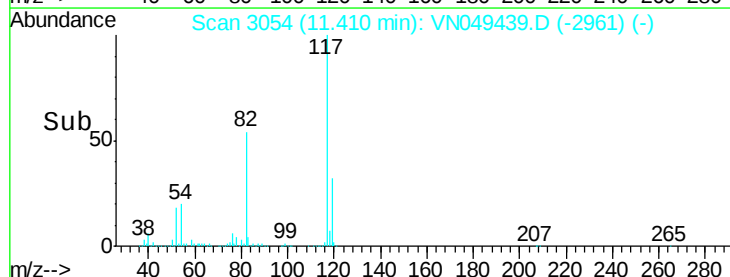
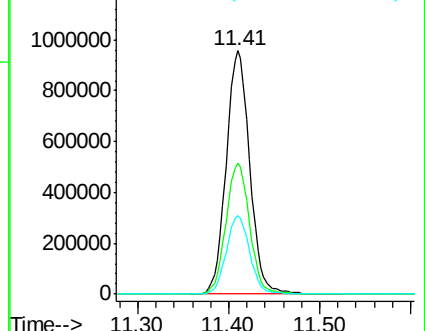
119 32.4 25.5 38.3

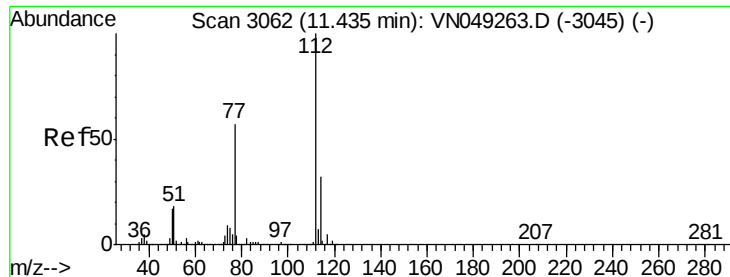


Abundance Ion 116.90 (116.60 to 117.60): VN049439.D (-2961) (-)

Ion 82.00 (81.70 to 82.70): VN049439.D (-2961) (-)

Ion 118.90 (118.60 to 119.60): VN049439.D (-2961) (-)

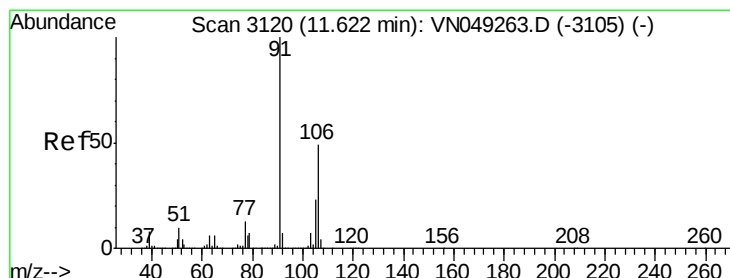
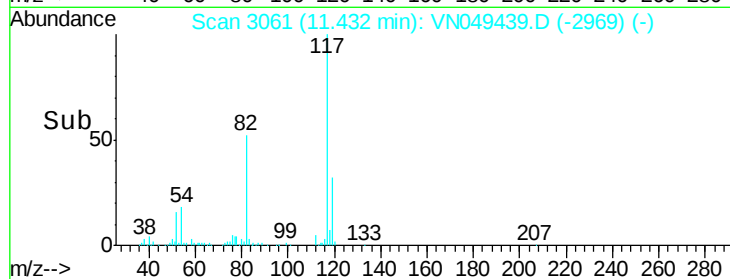
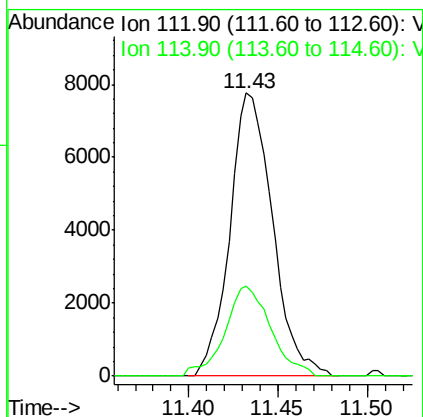
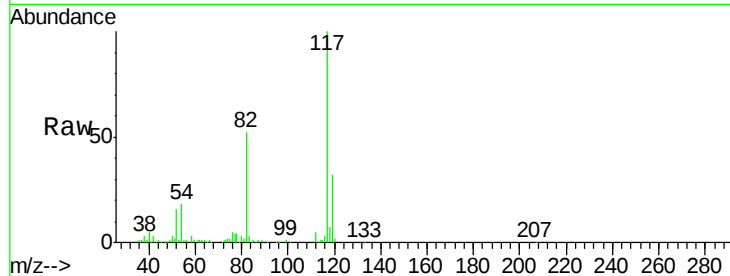




#65
Chlorobenzene
Concen: 0.29 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

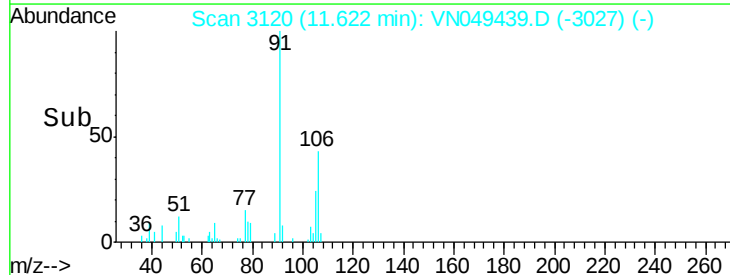
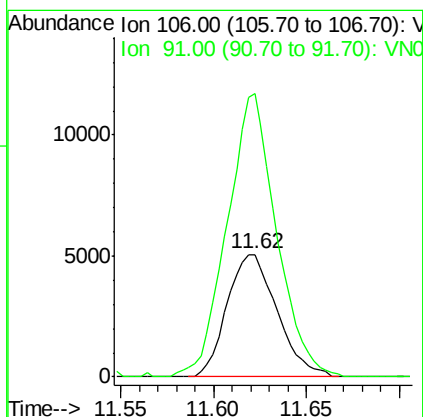
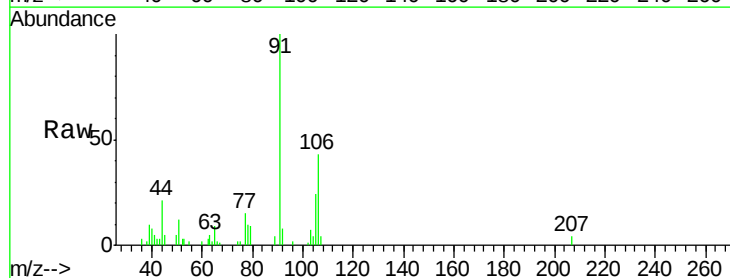
Instrument :
MSVOA_N
ClientSampled :

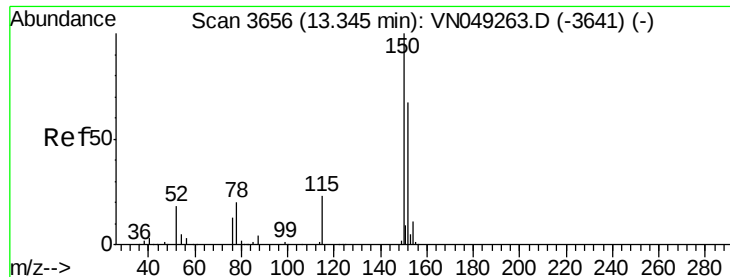
Tot Ion:112 Resp: 12935
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



#68
m/p-Xylenes
Concen: 0.34 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

Tgt Ion:106 Resp: 9475
Ion Ratio Lower Upper
106 100
91 227.4 167.3 250.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

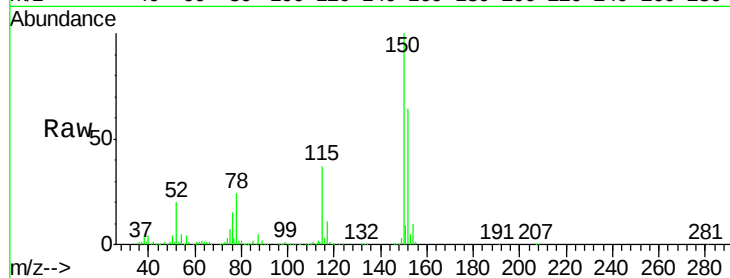
Tot Ion:152 Resp: 559597

Ion Ratio Lower Upper

152 100

115 56.2 28.7 86.1

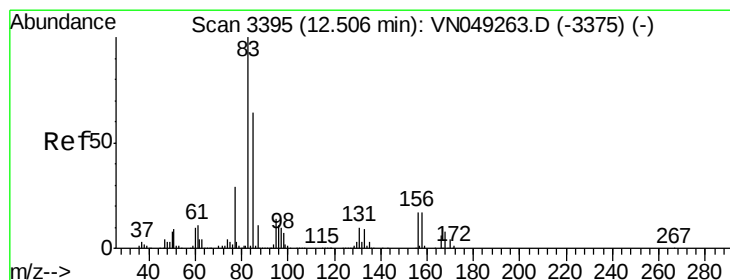
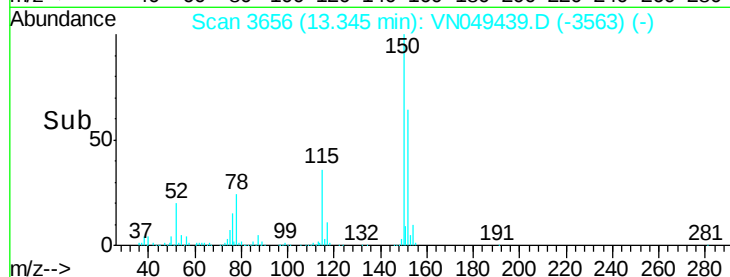
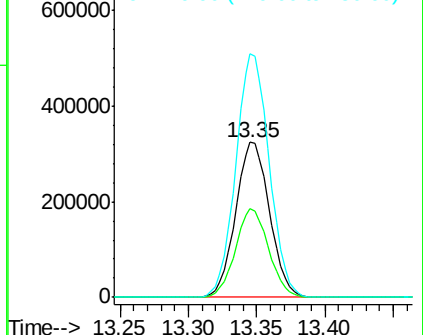
150 154.8 0.0 351.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

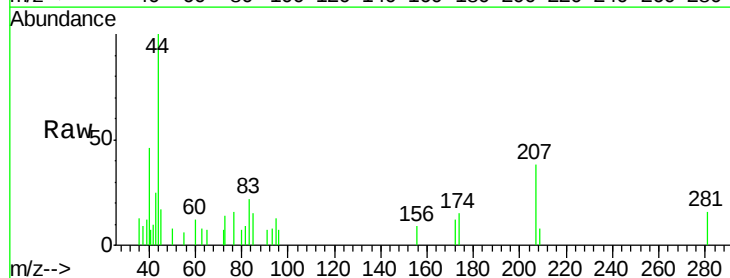
Tgt Ion: 83 Resp: 1022

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

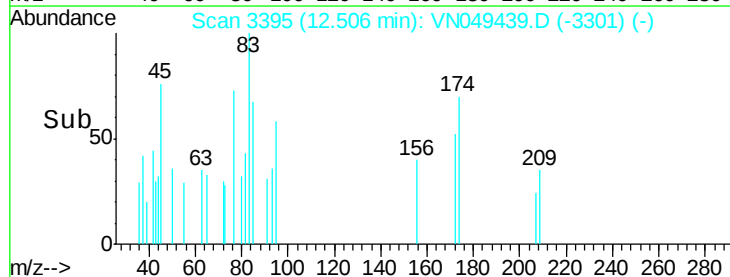
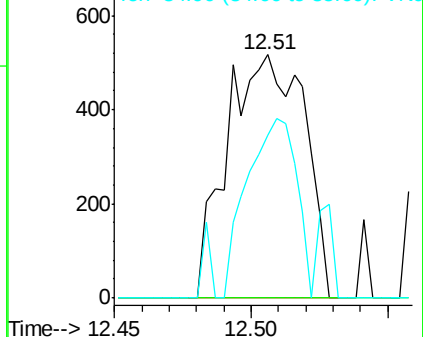
85 47.6 32.0 96.0

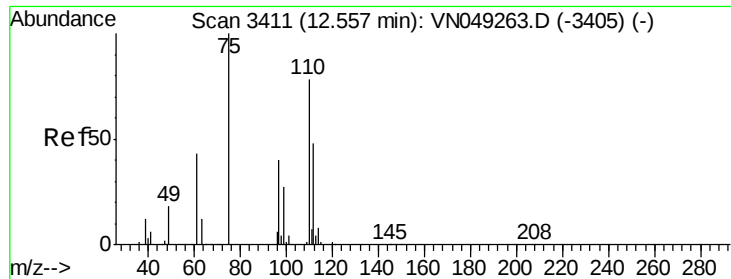


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

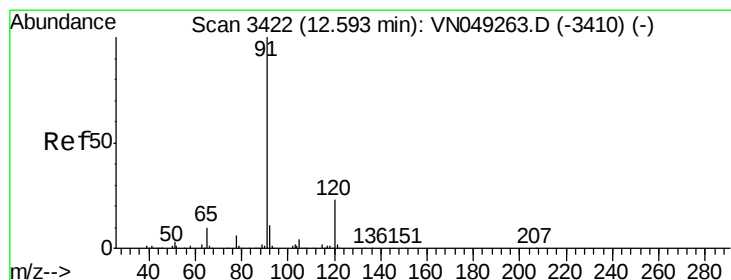
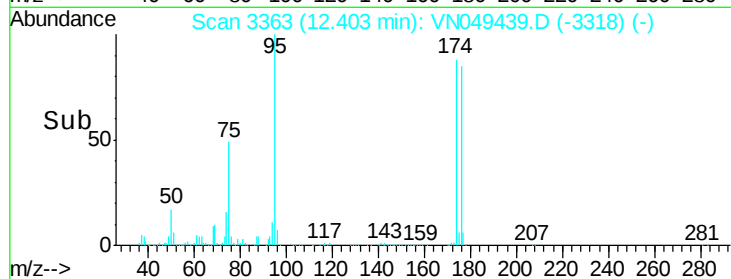
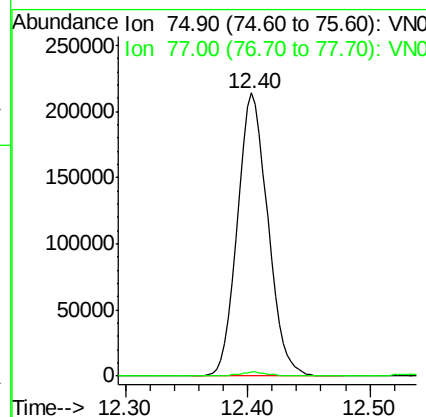
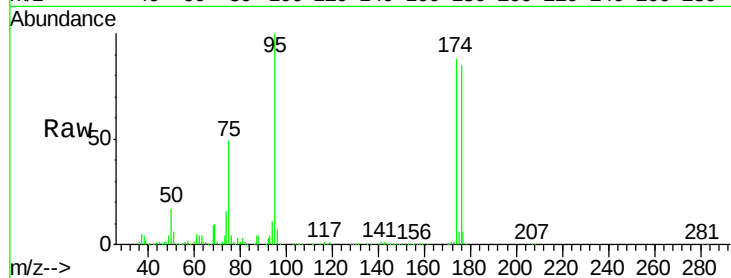




#76
 1,2,3-Trichloropropane
 Concen: 38.82 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. -0.15 min
 Lab File: VN049439.D
 Acq: 20 Jun 2018 16:37

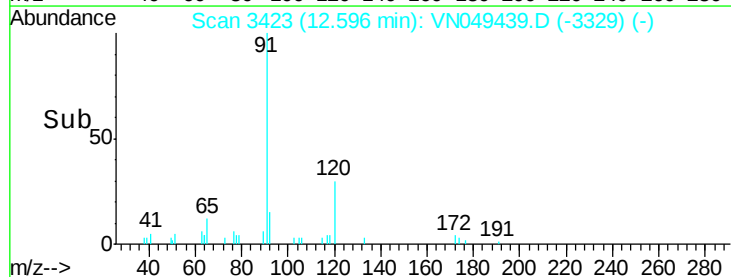
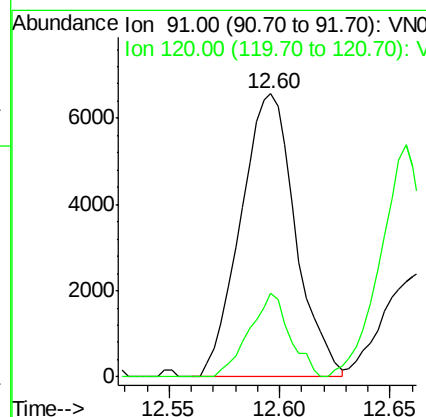
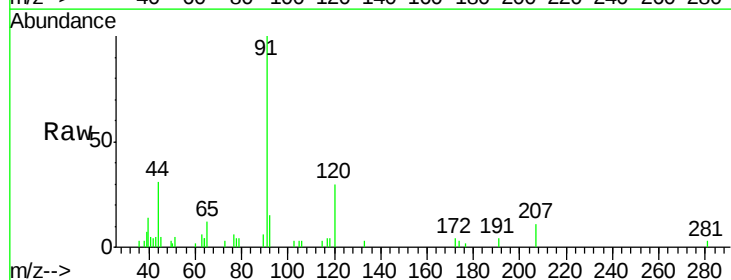
Instrument :
 MSVOA_N
 ClientSampled :

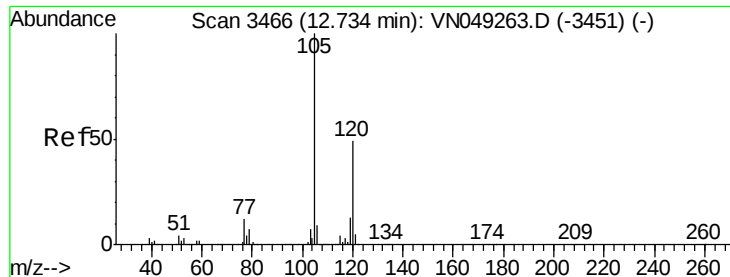
Tot Ion: 75 Resp: 370671
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#78
 n-propylbenzene
 Concen: 0.21 ug/l
 RT: 12.60 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: VN049439.D
 Acq: 20 Jun 2018 16:37

Tgt Ion: 91 Resp: 11370
 Ion Ratio Lower Upper
 91 100
 120 21.9 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 0.50 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

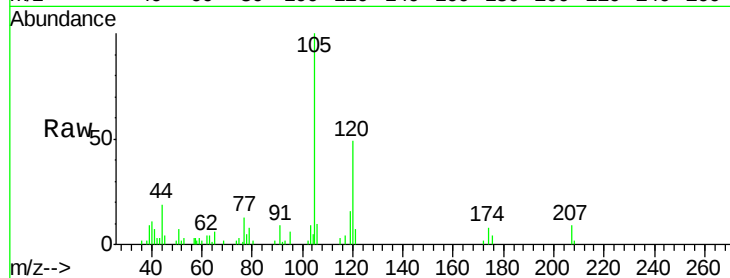
ClientSampleId :

Tot Ion:105 Resp: 19321

Ion Ratio Lower Upper

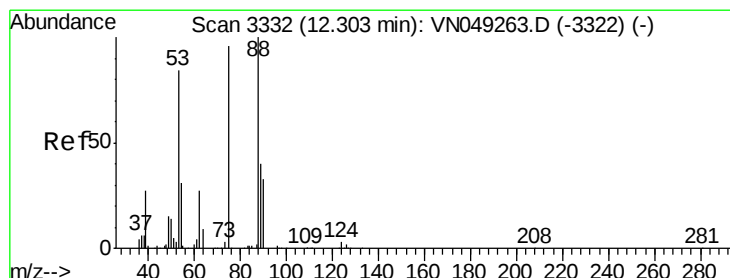
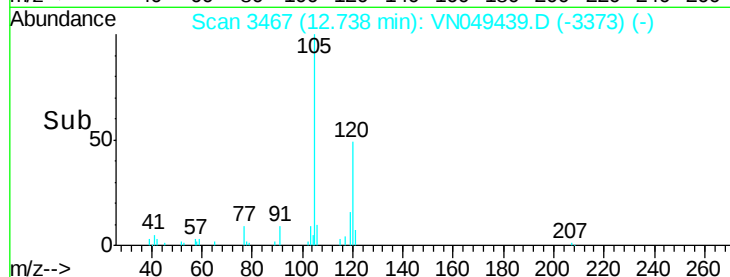
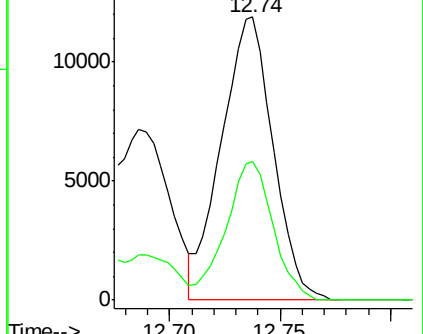
105 100

120 45.0 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 122.70 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

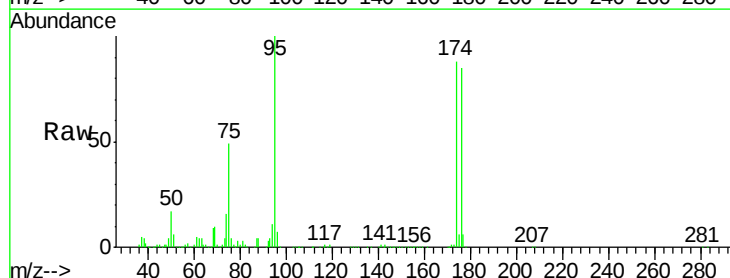
Tgt Ion: 75 Resp: 370671

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

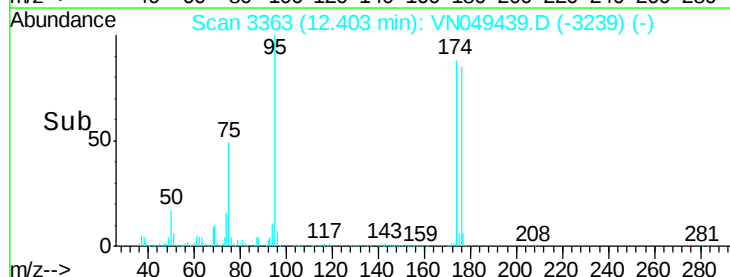
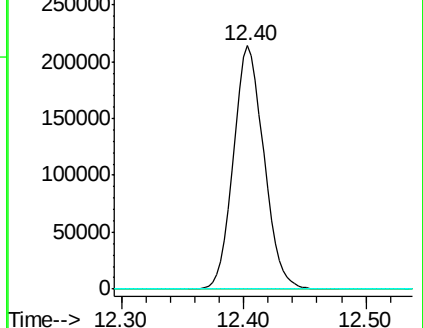
89 0.0 36.5 54.7#

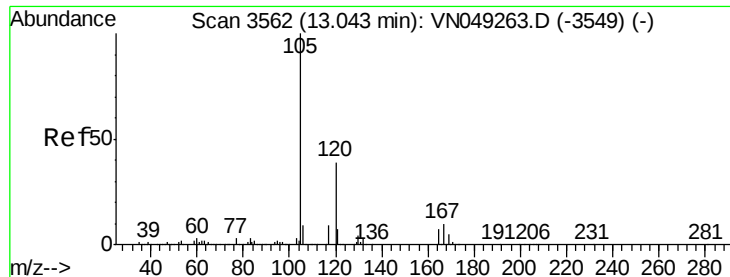


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 1.70 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

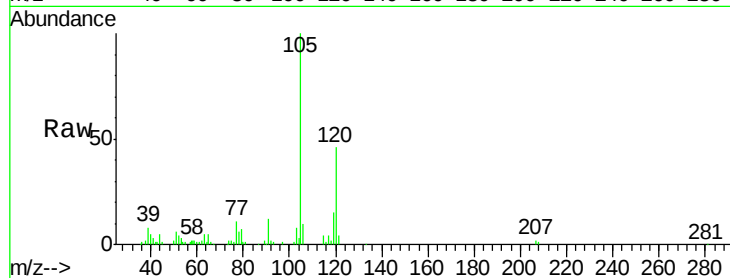
ClientSampleId :

Tot Ion:105 Resp: 65230

Ion Ratio Lower Upper

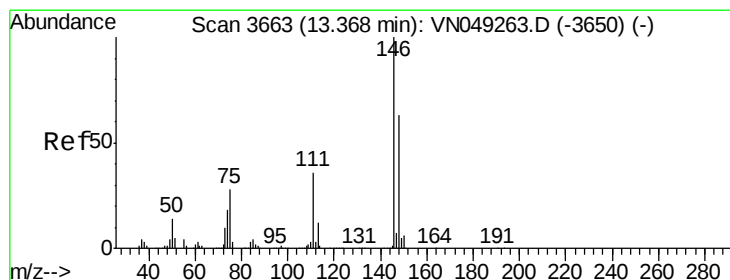
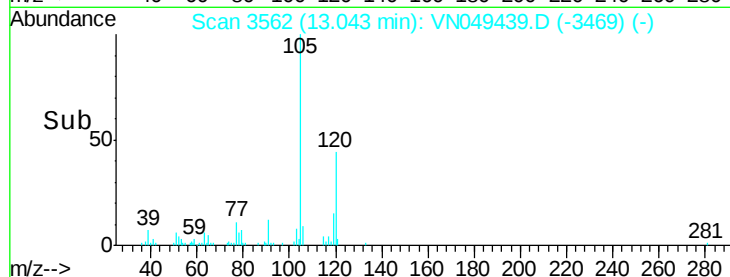
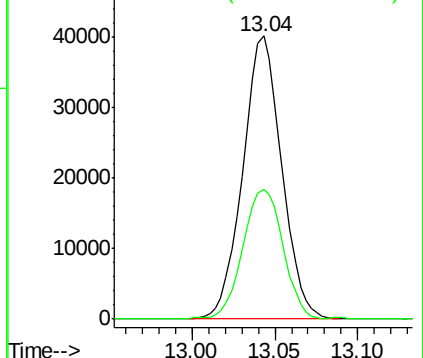
105 100

120 47.3 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#88

1,4-Dichlorobenzene

Concen: 0.25 ug/l

RT: 13.36 min Scan# 3662

Delta R.T. -0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

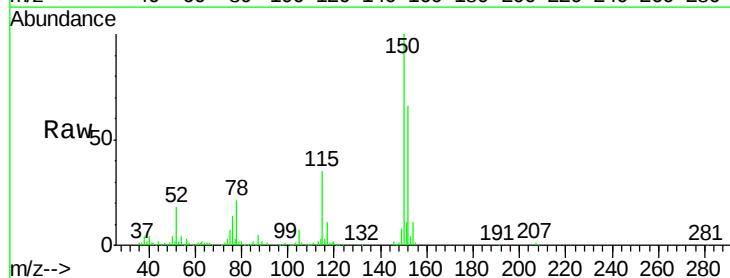
Tgt Ion:146 Resp: 5390

Ion Ratio Lower Upper

146 100

111 140.2 19.1 57.1#

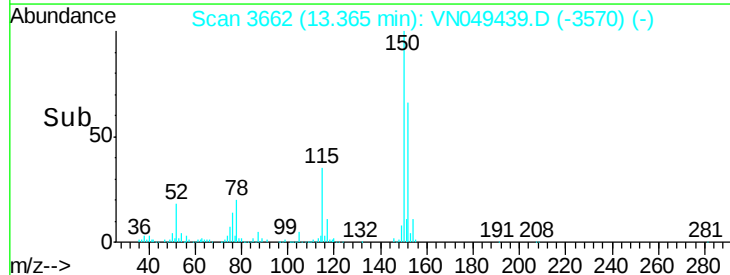
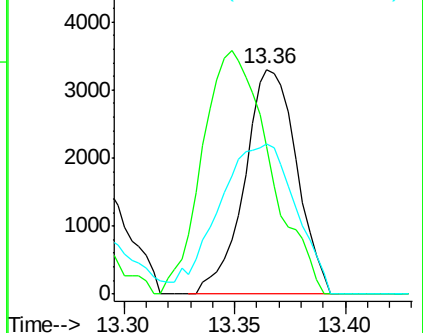
148 98.4 32.0 96.2#

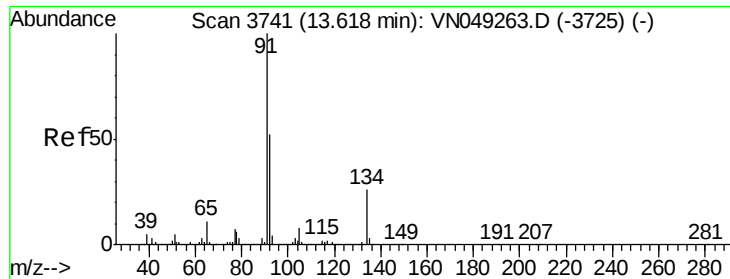


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

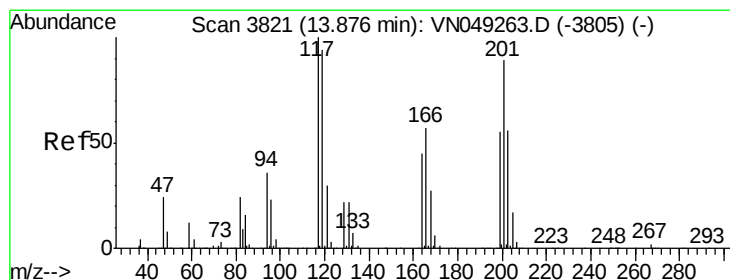
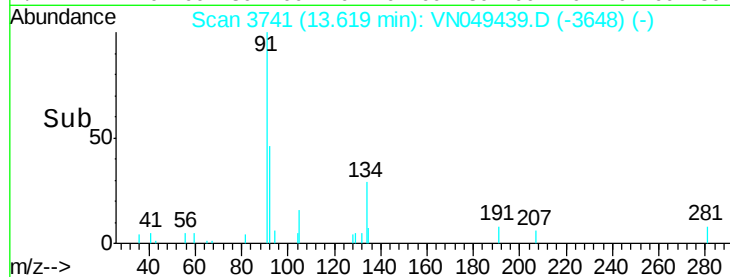
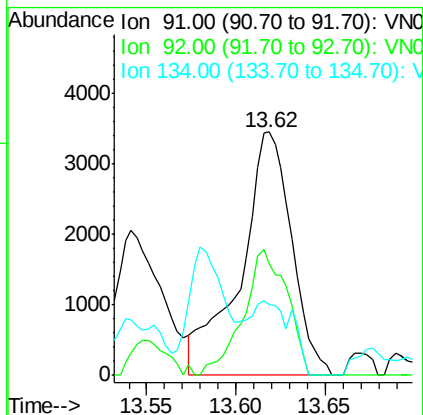
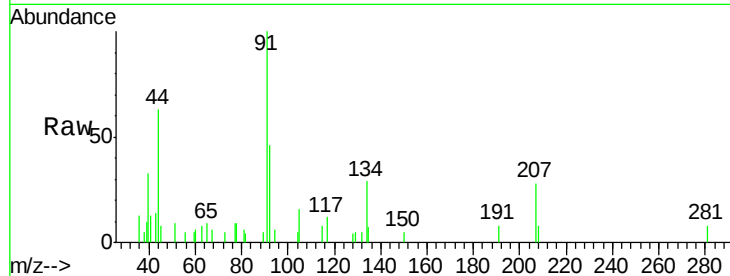




#89
n-Butylbenzene
Concen: 0.23 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

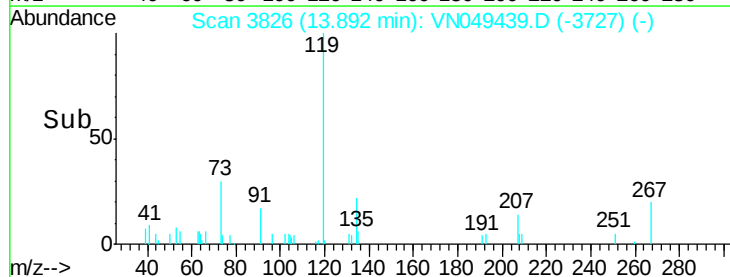
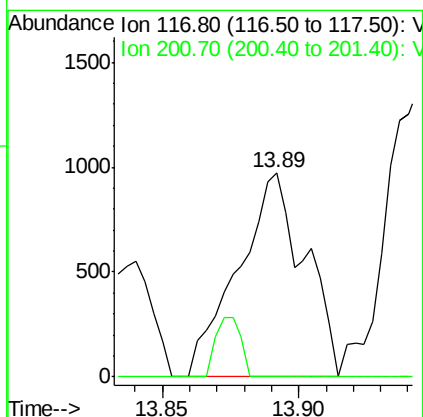
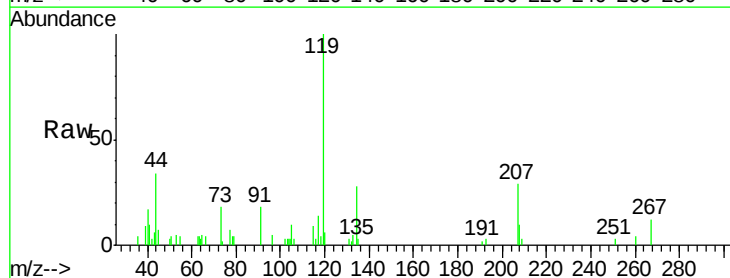
Instrument :
MSVOA_N
ClientSampled :

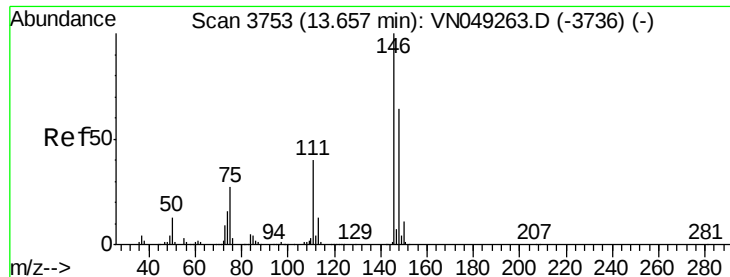
Tot Ion: 91 Resp: 6920
Ion Ratio Lower Upper
91 100
92 44.1 25.1 75.4
134 23.3 12.0 36.0



#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

Tgt Ion: 117 Resp: 1648
Ion Ratio Lower Upper
117 100
201 11.1 40.1 120.2#





#91

1,2-Dichlorobenzene

Concen: 0.23 ug/l

RT: 13.65 min Scan# 3751

Delta R.T. -0.01 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

Instrument :

MSVOA_N

ClientSampleId :

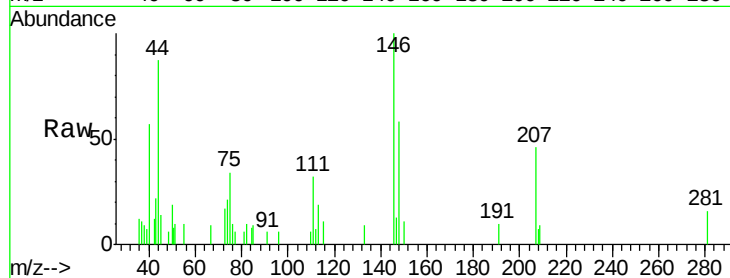
Tot Ion:146 Resp: 4817

Ion Ratio Lower Upper

146 100

111 39.2 20.8 62.2

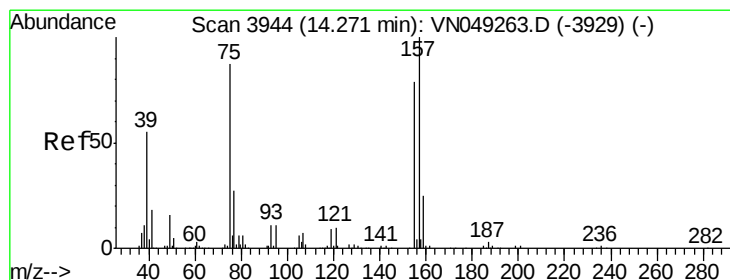
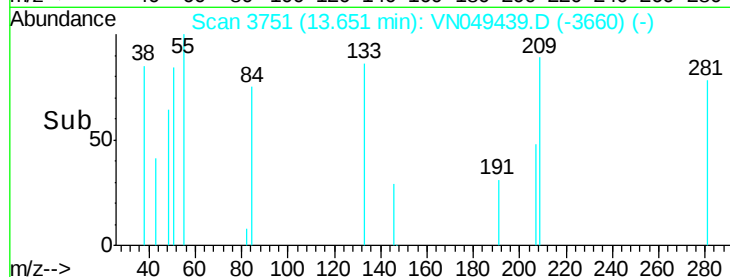
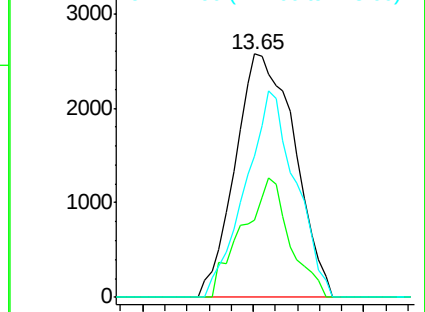
148 71.9 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.27 ug/l

RT: 14.27 min Scan# 3945

Delta R.T. 0.00 min

Lab File: VN049439.D

Acq: 20 Jun 2018 16:37

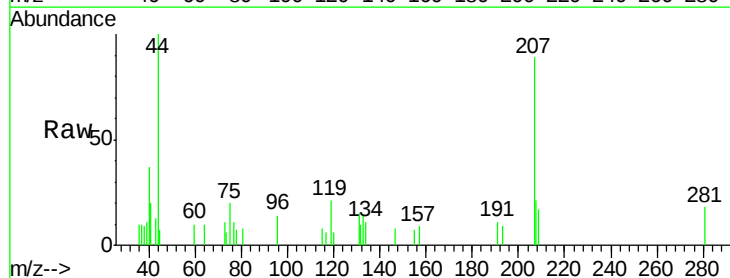
Tgt Ion: 75 Resp: 463

Ion Ratio Lower Upper

75 100

155 13.0 38.8 116.3#

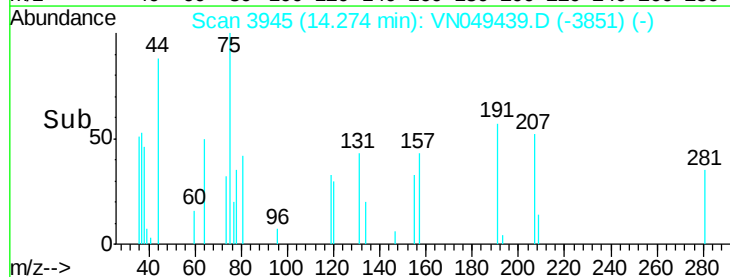
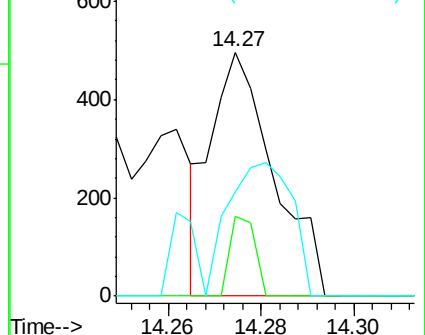
157 56.2 51.0 153.1

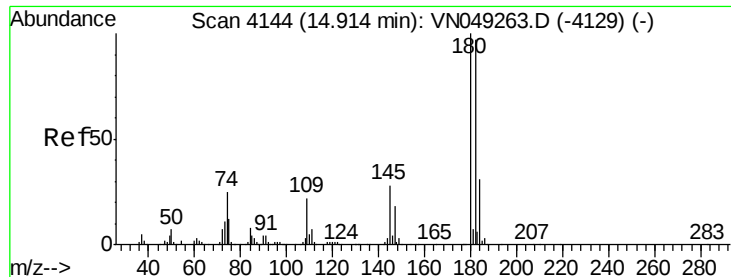


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

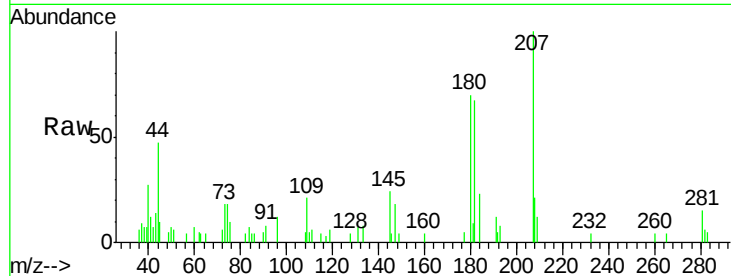




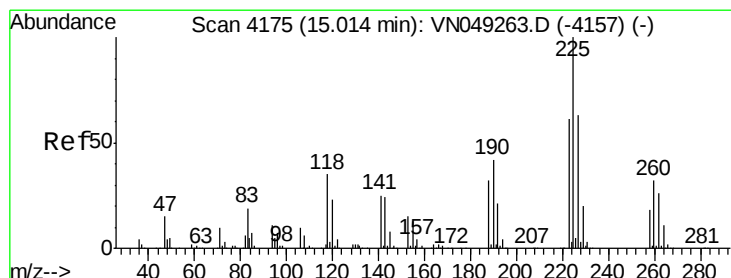
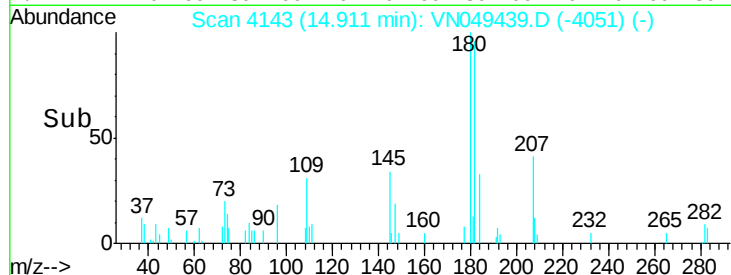
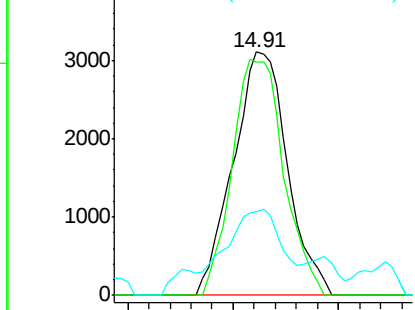
#93
 1,2,4-Trichlorobenzene
 Concen: 5.26 ua/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049439.D
 Acq: 20 Jun 2018 16:37

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 5536
 Ion Ratio Lower Upper
 180 100
 182 92.1 46.9 140.8
 145 23.8 14.7 44.1

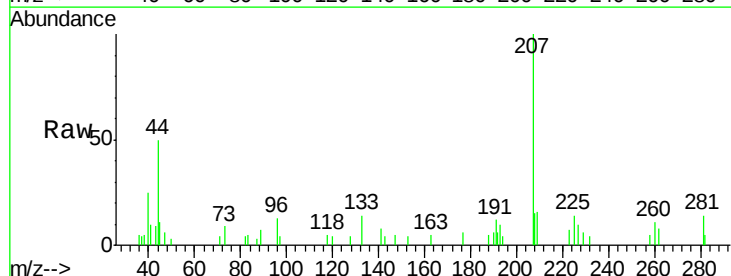


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

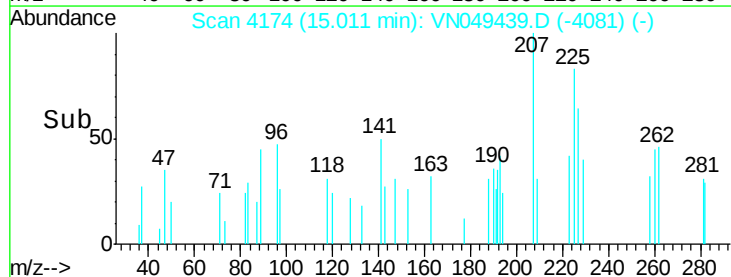
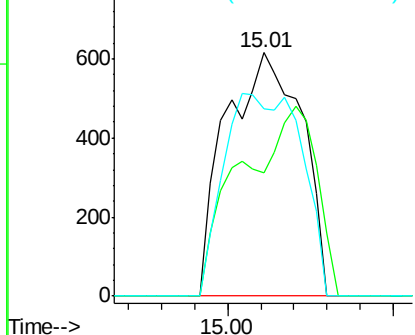


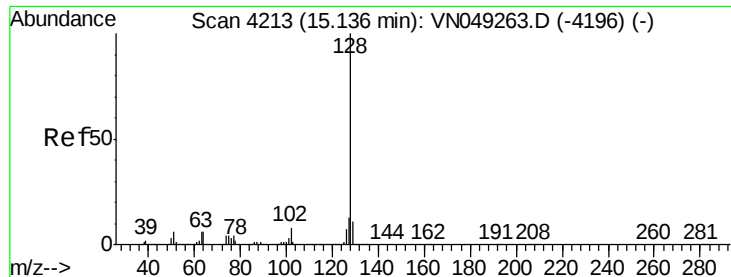
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049439.D
 Acq: 20 Jun 2018 16:37

Tgt Ion:225 Resp: 982
 Ion Ratio Lower Upper
 225 100
 223 33.9 32.1 96.3
 227 85.2 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

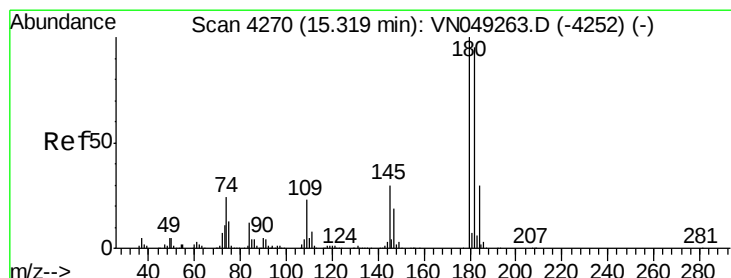
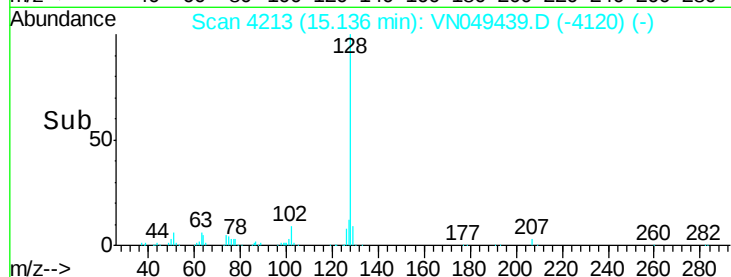
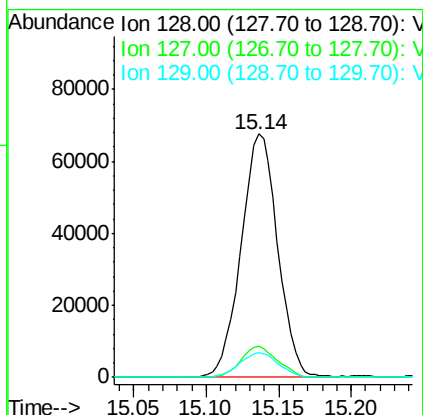
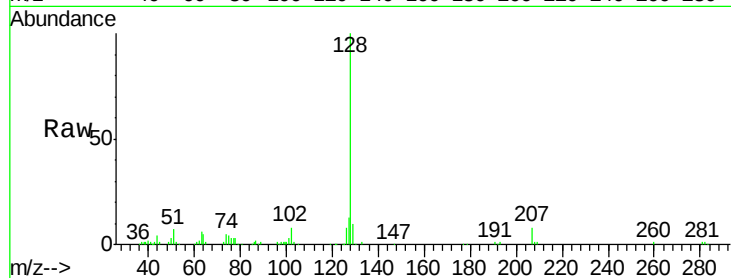




#95
Naphthalene
Concen: 9.59 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 118964
Ion Ratio Lower Upper
128 100
127 12.6 10.6 16.0
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 4.11 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049439.D
Acq: 20 Jun 2018 16:37

Tgt Ion:180 Resp: 6593
Ion Ratio Lower Upper
180 100
182 79.8 47.3 141.8
145 49.8 15.6 46.7#

