

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049440.D
 Acq On : 20 Jun 2018 17:03
 Operator : MD\SY
 Sample : J3595-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 01:29:05 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	1190729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1886008	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1556288	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	517759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	798481	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	
35) Dibromofluoromethane	7.59	113	699652	45.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.70%	
50) Toluene-d8	10.09	98	2580385	44.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.82%	
62) 4-Bromofluorobenzene	12.40	95	689646	35.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.80%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	3918	0.22	ug/l	99
5) Bromomethane	2.57	94	5220	0.53	ug/l	93
8) Diethyl Ether	3.41	74	19552	2.39	ug/l	93
13) Acrolein	3.60	56	390	0.40	ug/l	93
16) Acetone	3.83	43	36431	9.50	ug/l	100
18) Methyl Acetate	4.34	43	103182	8.82	ug/l	98
20) Methylene Chloride	4.55	84	627639	39.19	ug/l	90
25) 2-Butanone	6.86	43	6514	1.27	ug/l	94
29) Tetrahydrofuran	7.22	42	1675	0.51	ug/l #	79
30) Chloroform	7.38	83	13705	0.50	ug/l	98
31) Cyclohexane	7.67	56	23367	0.83	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	84068	3.89	ug/l #	49
37) Ethyl Acetate	6.86	43	6514	0.55	ug/l #	73
38) Carbon Tetrachloride	7.67	117	106617	4.76	ug/l #	18
43) Isopropyl Acetate	8.23	43	218133	9.72	ug/l #	64
47) Bromodichloromethane	9.41	83	6265	0.28	ug/l #	93
49) 1,4-Dioxane	9.20	88	108	0.74	ug/l #	9
51) 4-Methyl-2-Pentanone	9.99	43	3947	0.34	ug/l	88
58) 2-Chloroethyl Vinyl ether	9.55	63	63	14.34	ug/l #	51
59) 2-Hexanone	10.76	43	1747	0.23	ug/l	98
65) Chlorobenzene	11.44	112	13287	0.33	ug/l	96
67) Ethyl Benzene	11.51	91	18916	0.28	ug/l	97
68) m/p-Xylenes	11.62	106	11096	0.44	ug/l	97
69) o-Xylene	11.95	106	7514	0.31	ug/l	87
71) Bromoform	12.41	173	5390	0.55	ug/l #	1
73) Isopropylbenzene	12.25	105	10997	0.24	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	359	Below	Cal #	76
76) 1,2,3-Trichloropropane	12.40	75	334601	37.88	ug/l #	100
78) n-propylbenzene	12.59	91	23890	0.48	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	12134	0.34	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	334601	119.71	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	31442	0.89	ug/l	96
85) sec-Butylbenzene	13.17	105	15189	0.36	ug/l #	74
89) n-Butylbenzene	13.62	91	9792	0.36	ug/l #	73

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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

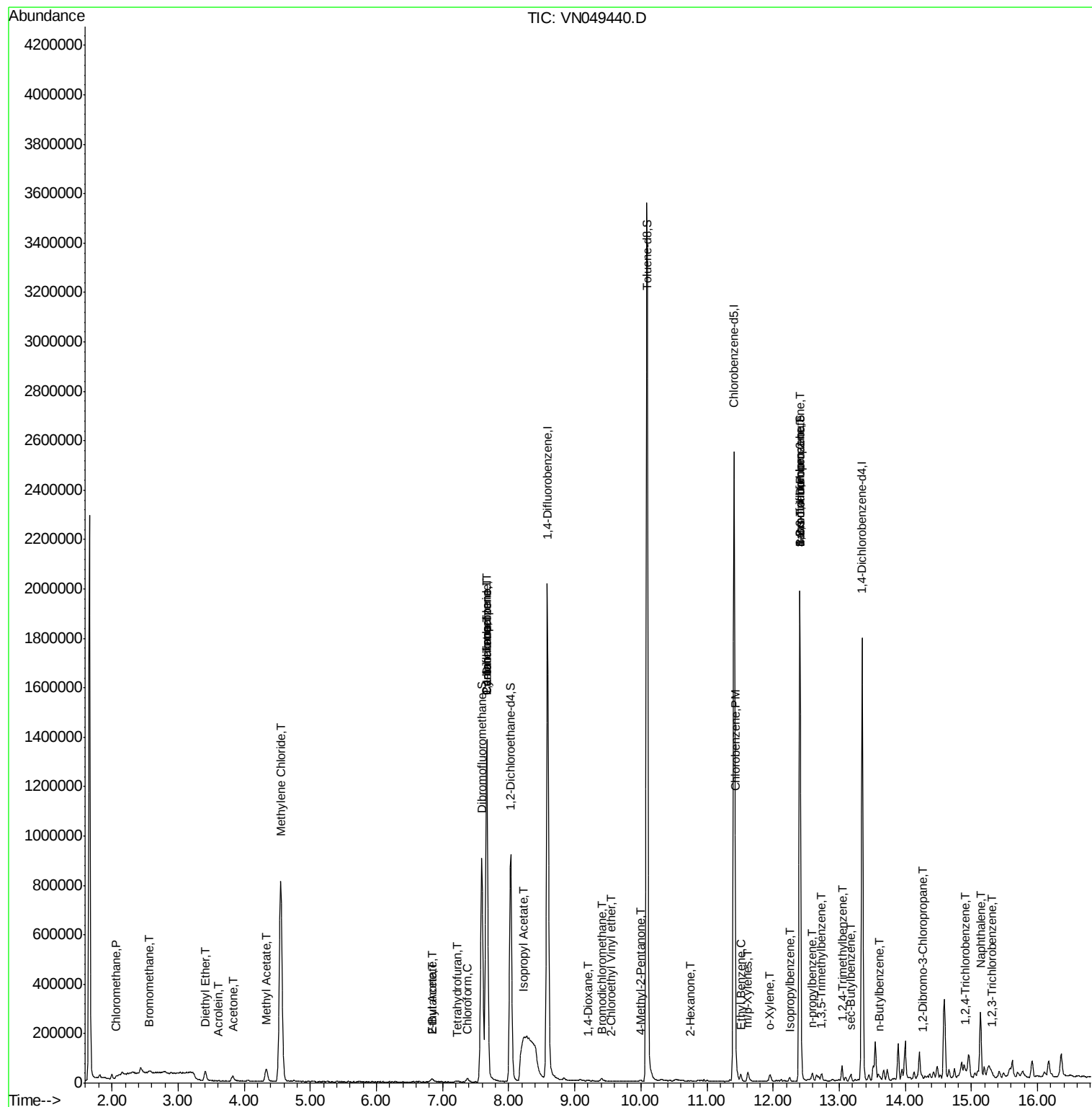
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Hexachloroethane	13.89	117	9240	Below Cal	#	9
92) 1,2-Dibromo-3-Chloropropan	14.27	75	430	0.27 ug/l	#	4
93) 1,2,4-Trichlorobenzene	14.91	180	3372	5.09 ug/l	#	23
94) Hexachlorobutadiene	15.00	225	436	Below Cal	#	63
95) Naphthalene	15.14	128	227164	17.23 ug/l		98
96) 1,2,3-Trichlorobenzene	15.32	180	2586	3.73 ug/l	#	1

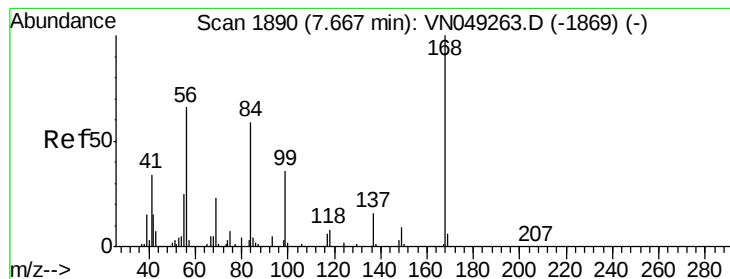
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

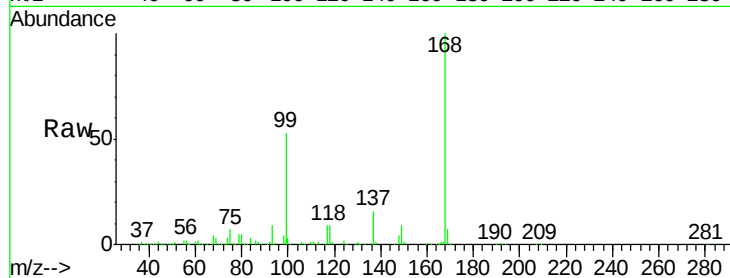
ClientSampleId :

Tot Ion:168 Resp: 1190729

Ion Ratio Lower Upper

168 100

99 52.6 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

500000

400000

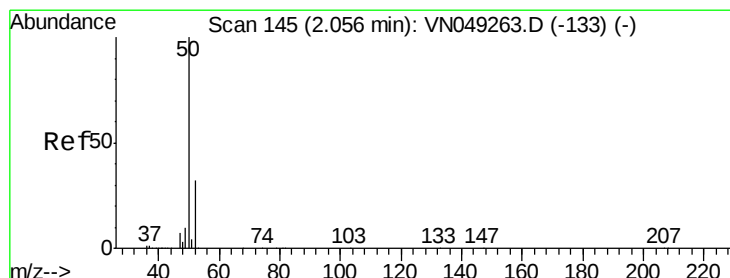
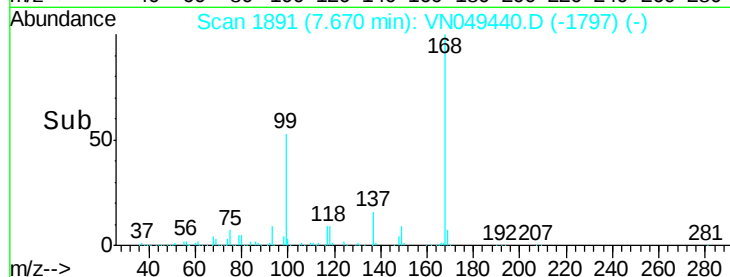
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049440.D

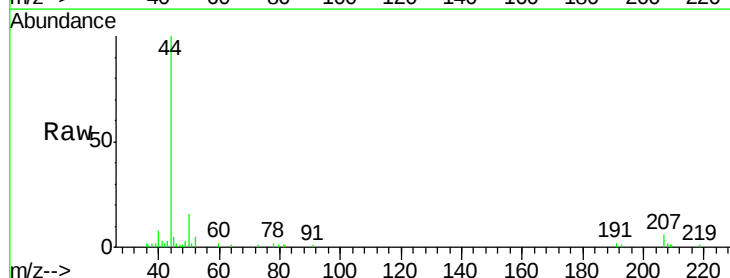
Acq: 20 Jun 2018 17:03

Tgt Ion: 50 Resp: 3918

Ion Ratio Lower Upper

50 100

52 30.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

2500

2000

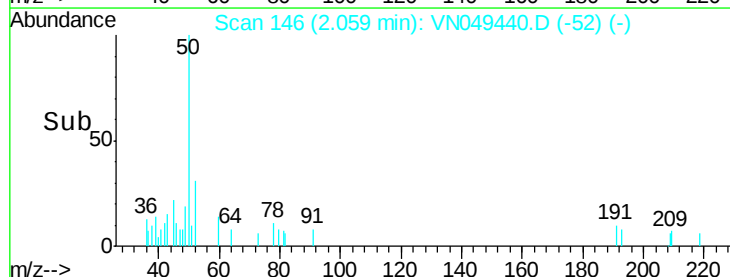
1500

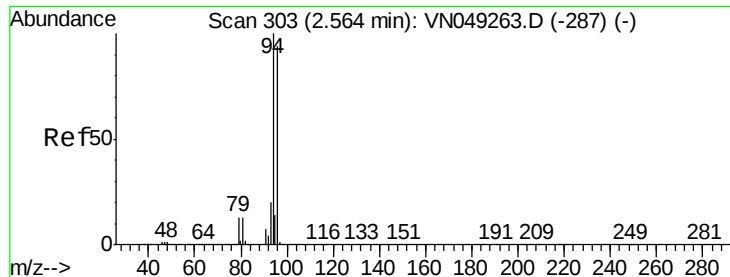
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.53 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

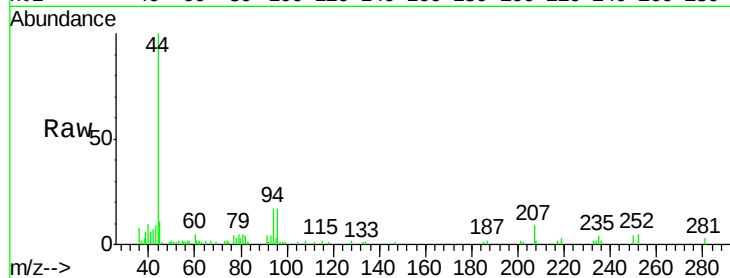
ClientSampled :

Tot Ion: 94 Resp: 5220

Ion Ratio Lower Upper

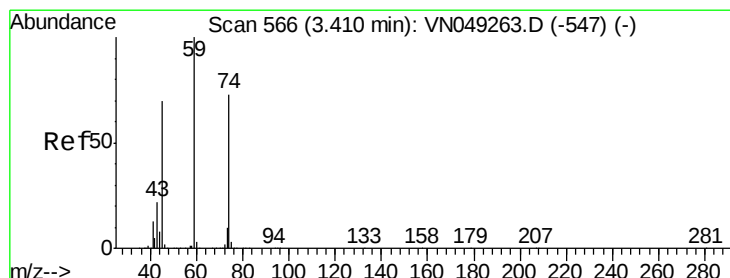
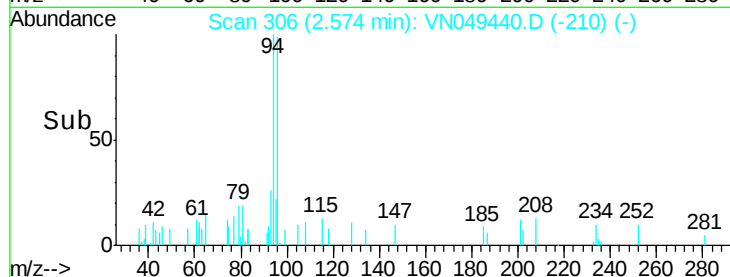
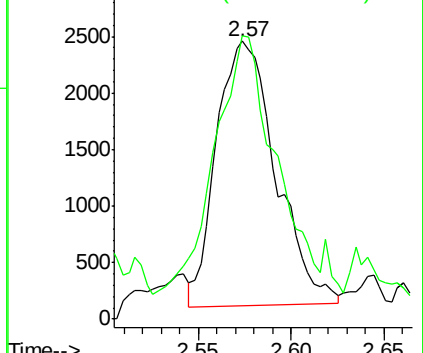
94 100

96 97.6 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#8

Diethyl Ether

Concen: 2.39 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN049440.D

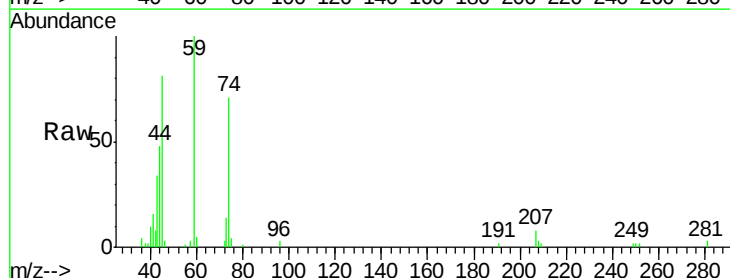
Acq: 20 Jun 2018 17:03

Tgt Ion: 74 Resp: 19552

Ion Ratio Lower Upper

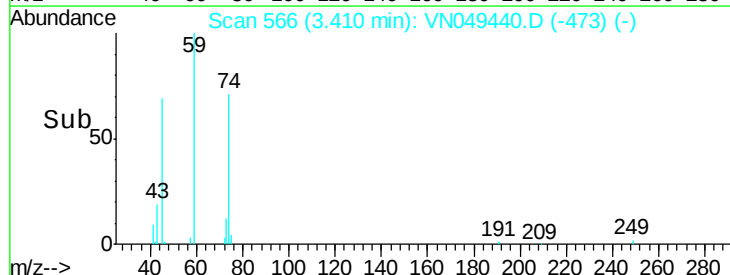
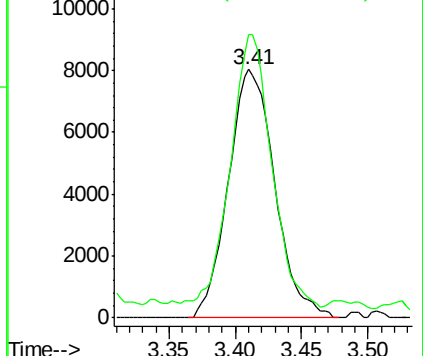
74 100

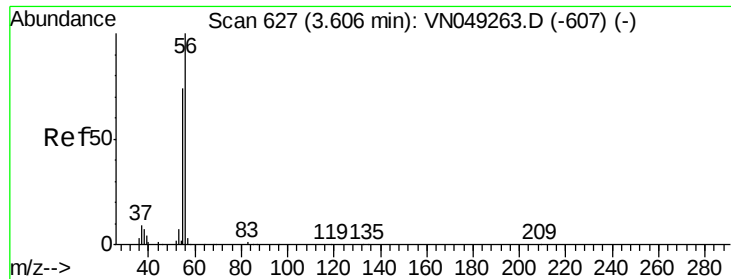
45 96.8 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#13

Acrolein

Concen: 0.40 ug/l

RT: 3.60 min Scan# 625

Delta R.T. -0.01 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

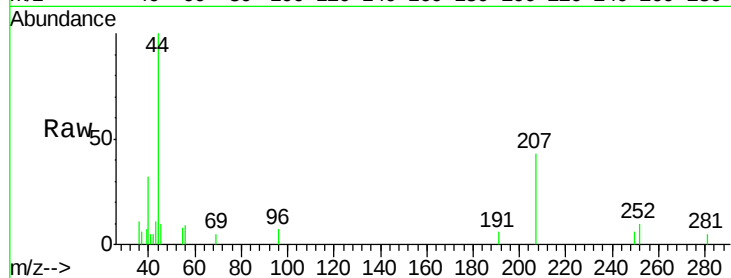
ClientSampleId :

Tot Ion: 56 Resp: 390

Ion Ratio Lower Upper

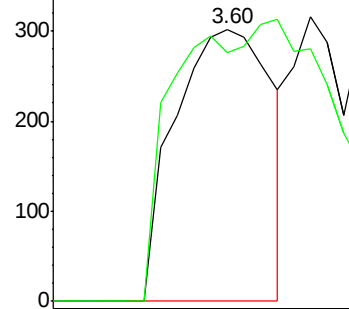
56 100

55 65.6 57.1 85.7

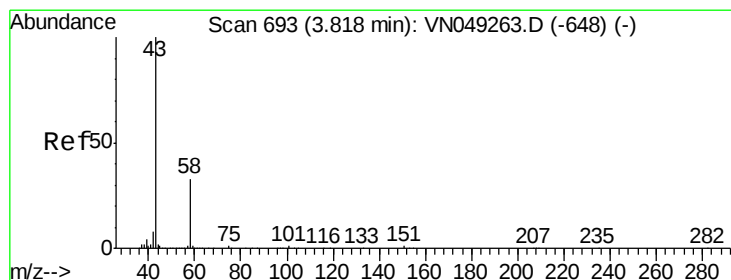
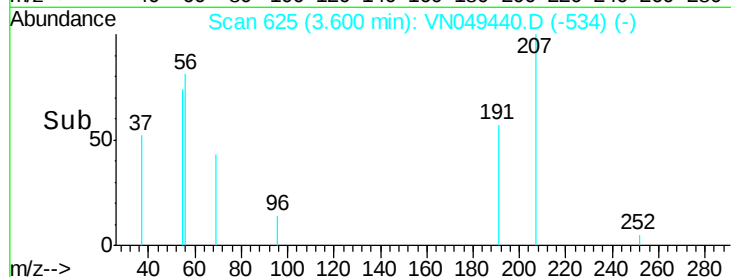


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 9.50 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049440.D

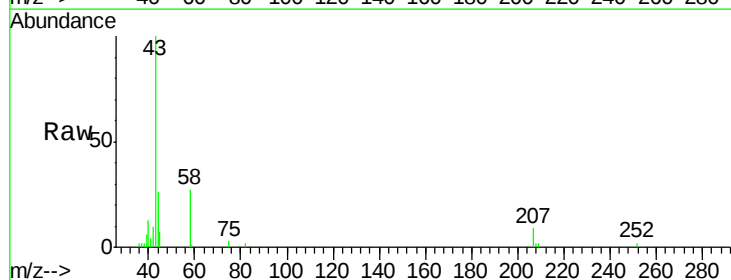
Acq: 20 Jun 2018 17:03

Tgt Ion: 43 Resp: 36431

Ion Ratio Lower Upper

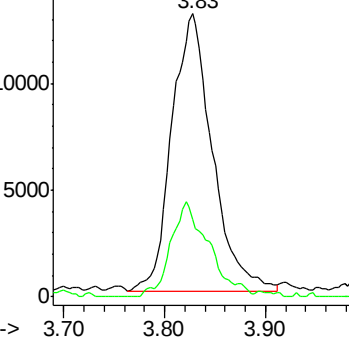
43 100

58 27.9 22.4 33.6

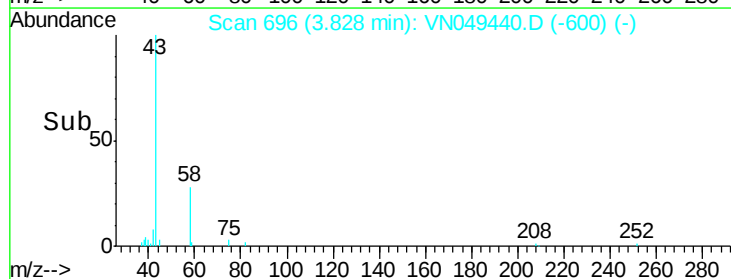


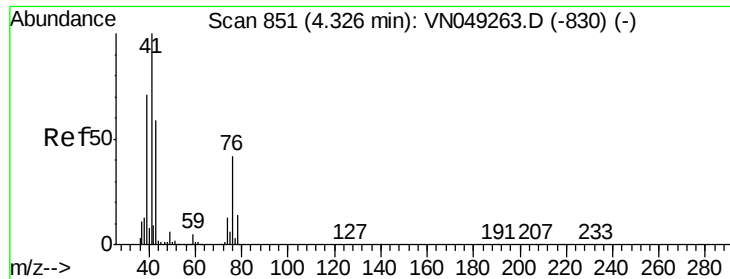
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->

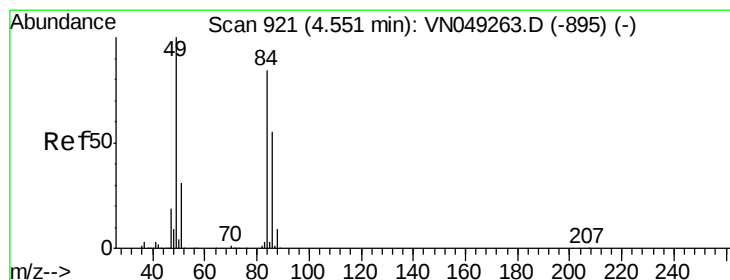
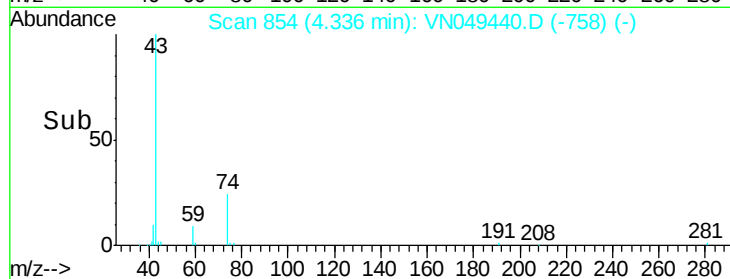
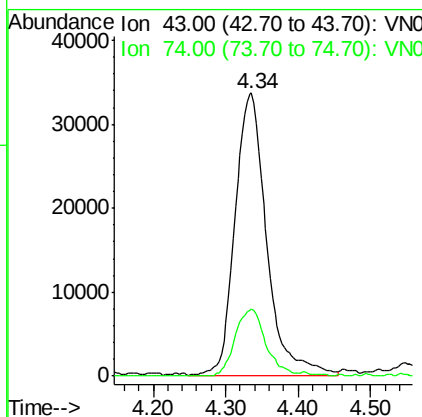
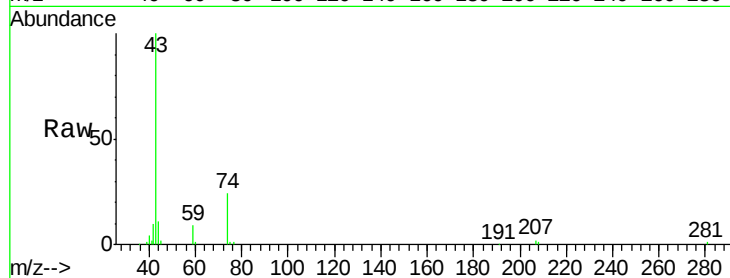




#18
Methvl Acetate
Concen: 8.82 ug/l
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

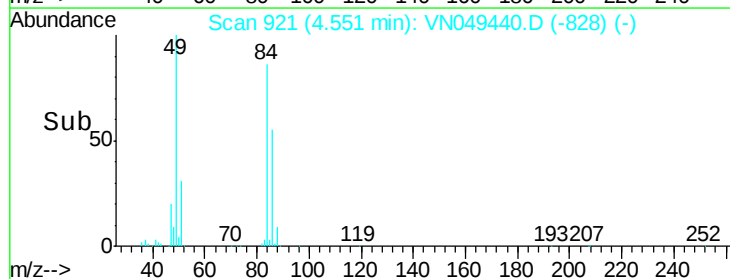
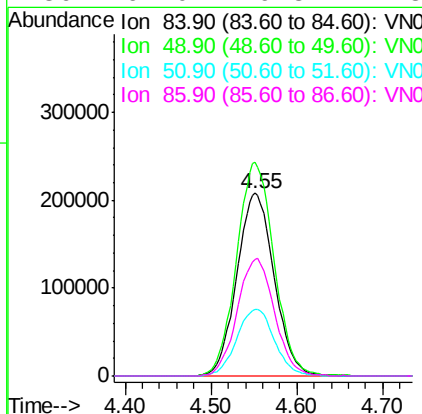
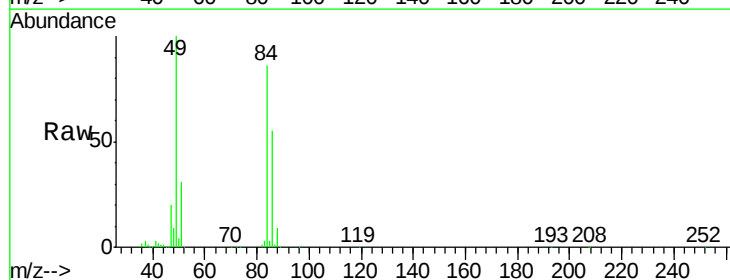
Instrument :
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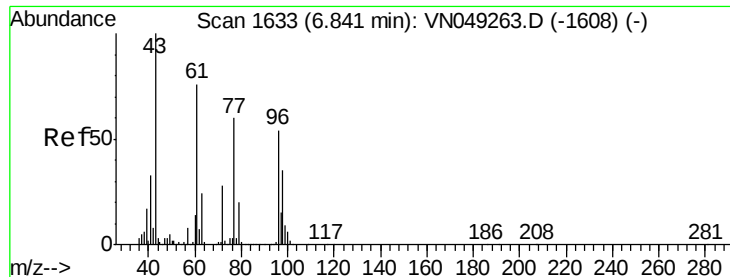
Tot Ion: 43 Resp: 103182
Ion Ratio Lower Upper
43 100
74 22.8 17.4 26.0



#20
Methylene Chloride
Concen: 39.19 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Tgt Ion: 84 Resp: 627639
Ion Ratio Lower Upper
84 100
49 116.9 106.9 160.3
51 36.7 32.7 49.1
86 64.0 49.8 74.8

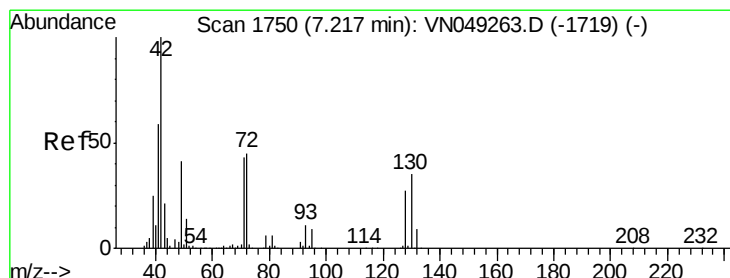
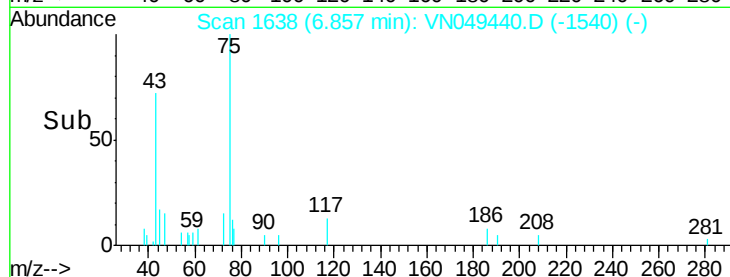
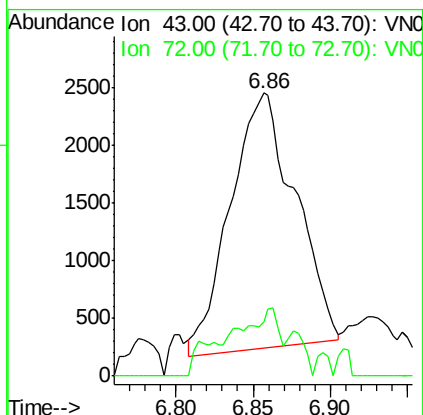
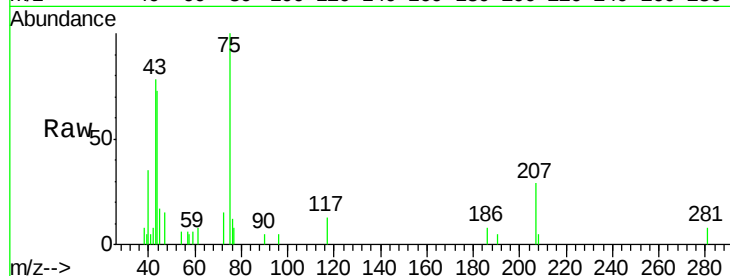




#25
2-Butanone
Concen: 1.27 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

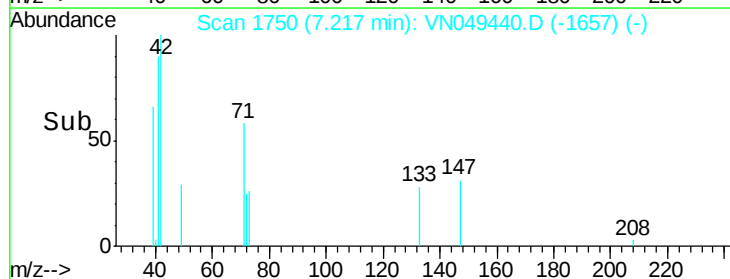
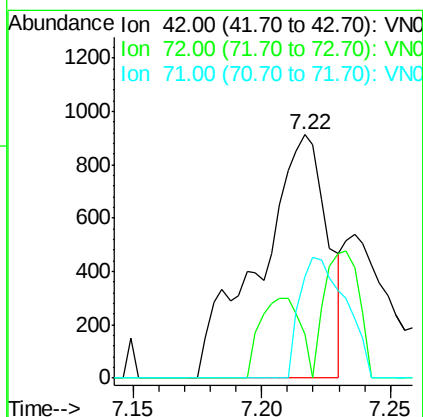
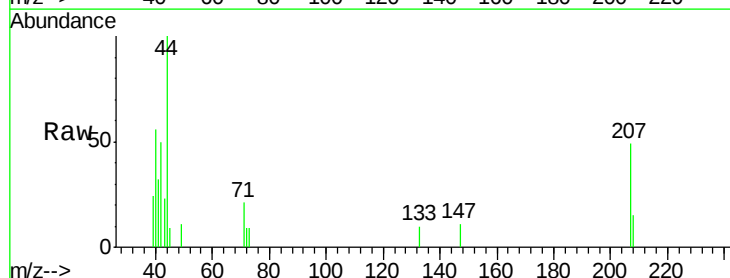
Instrument :
MSVOA_N
ClientSampled :

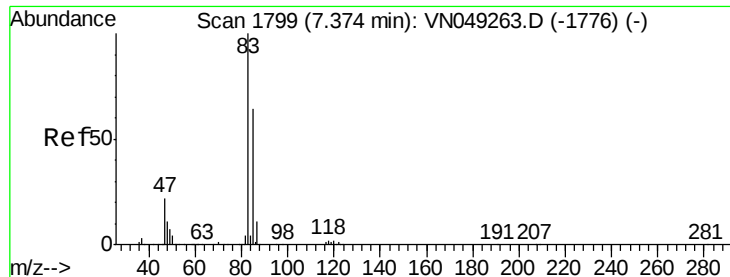
Tot Ion: 43 Resp: 6514
Ion Ratio Lower Upper
43 100
72 22.0 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.51 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Tgt Ion: 42 Resp: 1675
Ion Ratio Lower Upper
42 100
72 19.6 32.2 48.4#
71 33.5 30.5 45.7

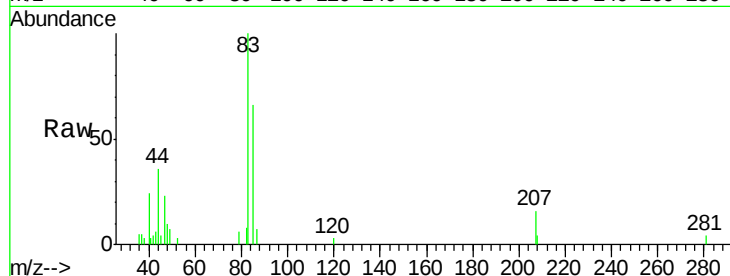




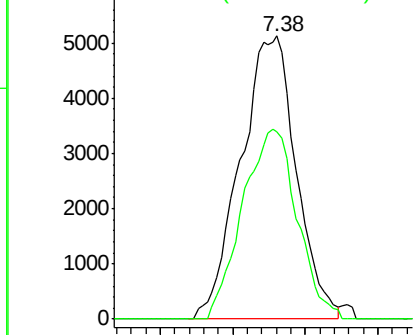
#30
Chloroform
Concen: 0.50 ug/l
RT: 7.38 min Scan# 1801
Delta R.T. 0.01 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :

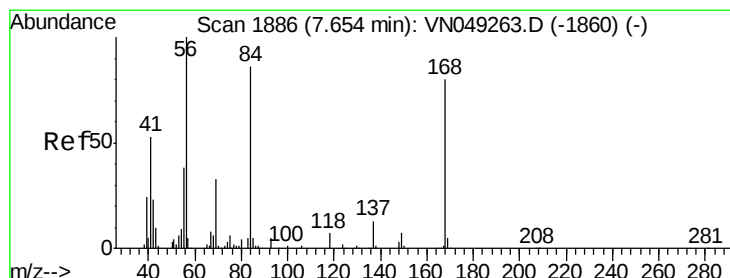
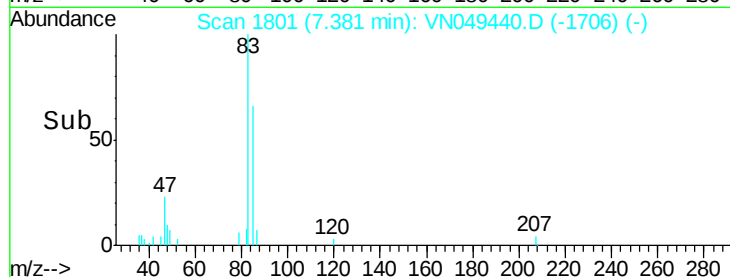
Tot Ion: 83 Resp: 13705
Ion Ratio Lower Upper
83 100
85 66.3 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049440.D (-1776) (-)
Ion 84.90 (84.60 to 85.60): VN049440.D (-1776) (-)

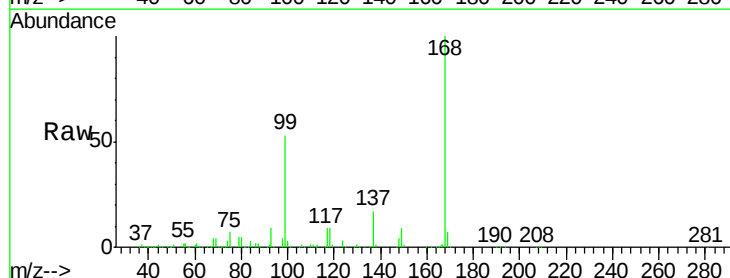


Time-->

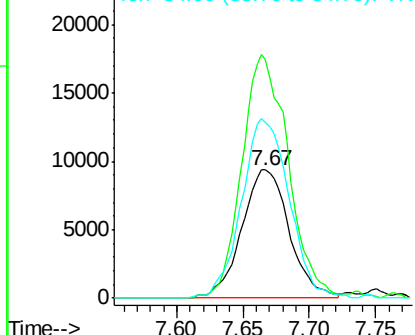


#31
Cyclohexane
Concen: 0.83 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

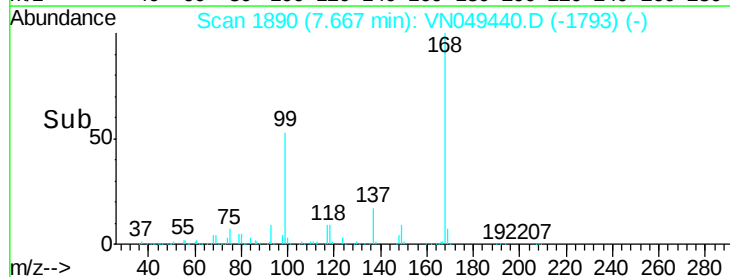
Tgt Ion: 56 Resp: 23367
Ion Ratio Lower Upper
56 100
69 185.9 25.0 37.4#
84 137.3 64.6 96.8#

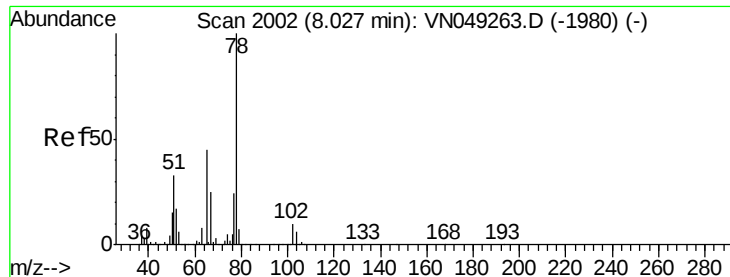


Abundance Ion 56.00 (55.70 to 56.70): VN049440.D (-1793) (-)
Ion 69.00 (68.70 to 69.70): VN049440.D (-1793) (-)
Ion 84.00 (83.70 to 84.70): VN049440.D (-1793) (-)



Time-->





#33

1,2-Dichloroethane-d4

Concen: 50.56 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

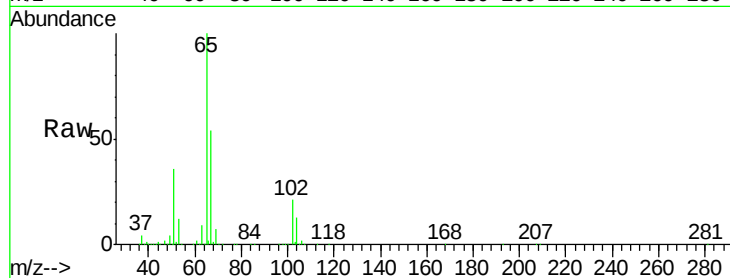
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 798481

Ion Ratio Lower Upper

65 100

67 53.1 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049440.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049440.D (-1909) (-)

8.03

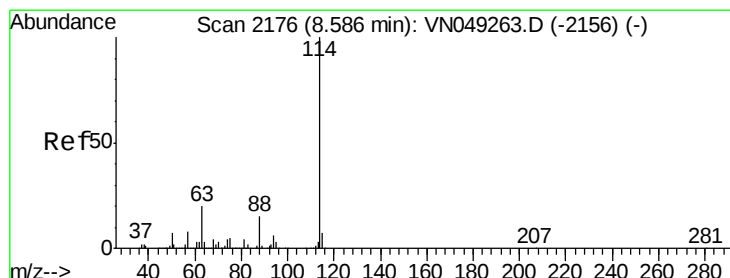
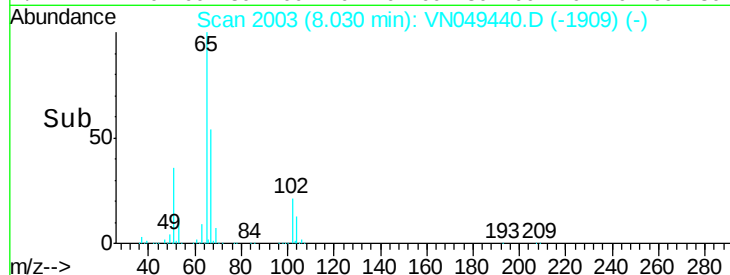
300000

200000

100000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

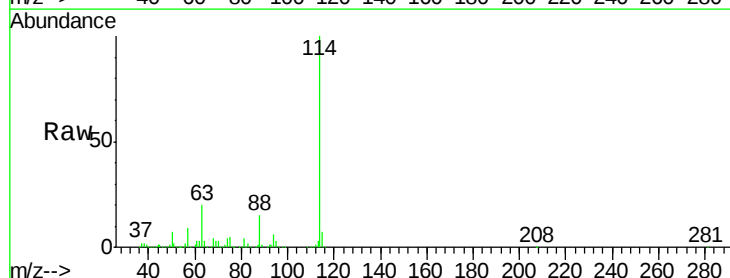
Tgt Ion: 114 Resp: 1886008

Ion Ratio Lower Upper

114 100

63 20.4 0.0 44.4

88 15.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): VN049440.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049440.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049440.D (-2083) (-)

8.59

1200000

1000000

800000

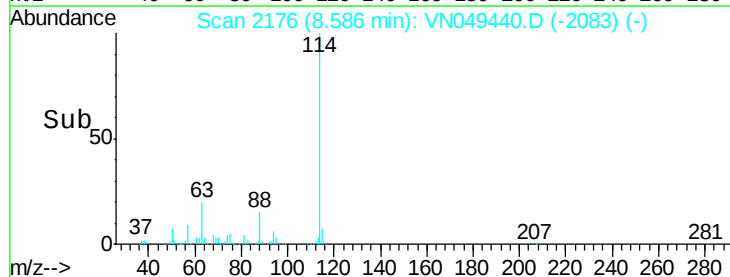
600000

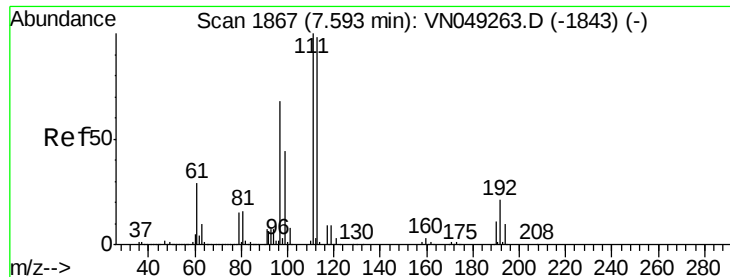
400000

200000

0

Time-->





#35

Dibromofluoromethane

Concen: 45.85 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :

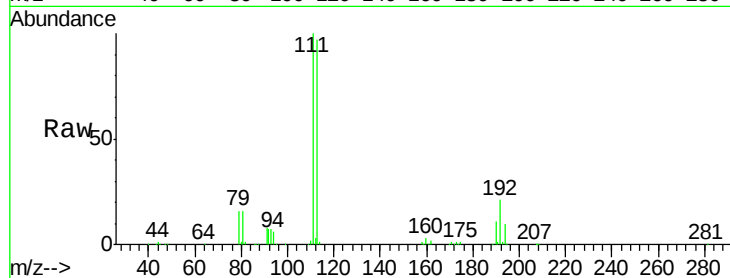
Tot Ion:113 Resp: 699652

Ion Ratio Lower Upper

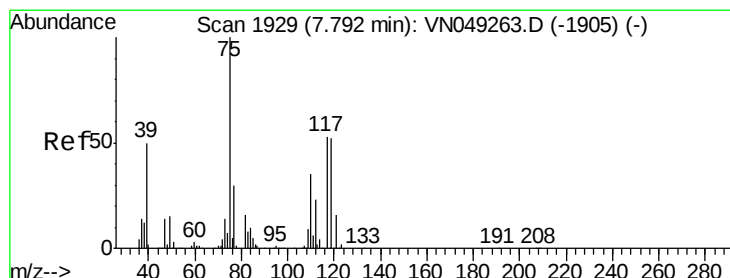
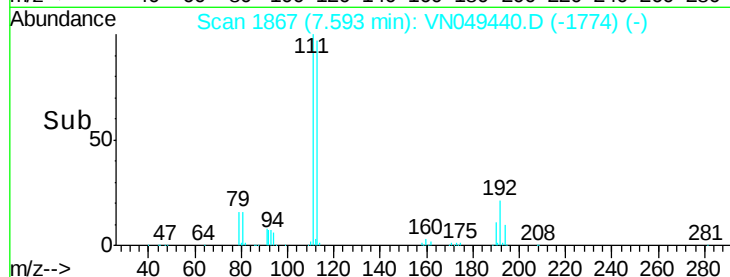
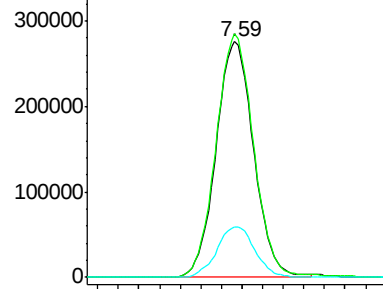
113 100

111 102.6 82.4 123.6

192 21.7 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: 3.89 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

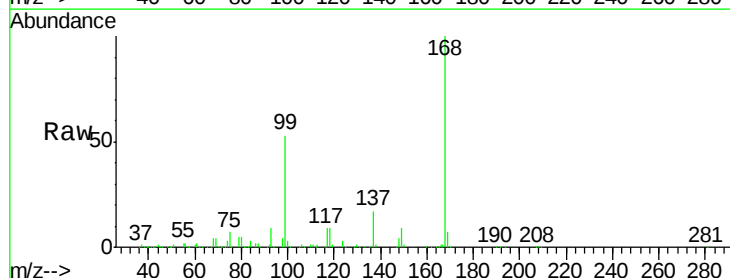
Tgt Ion: 75 Resp: 84068

Ion Ratio Lower Upper

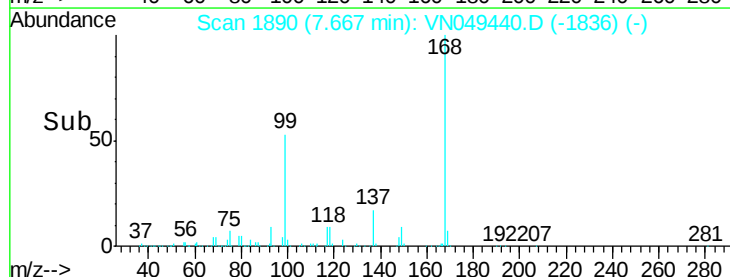
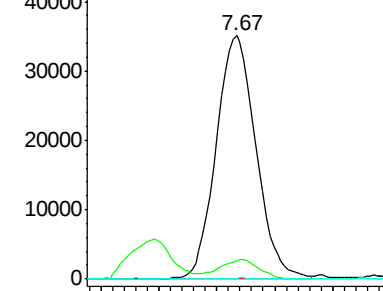
75 100

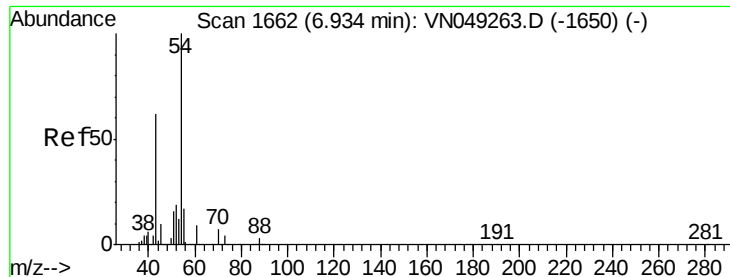
110 7.6 17.0 50.9#

77 0.1 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

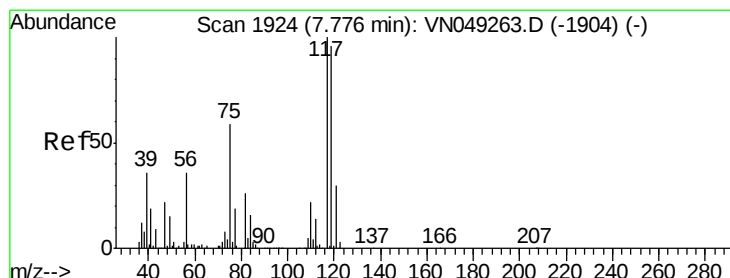
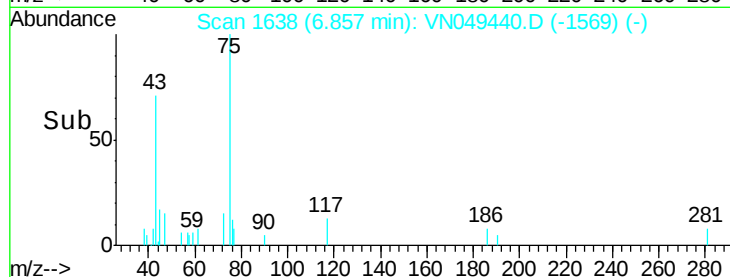
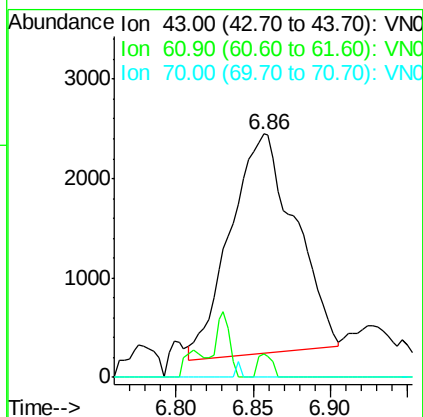
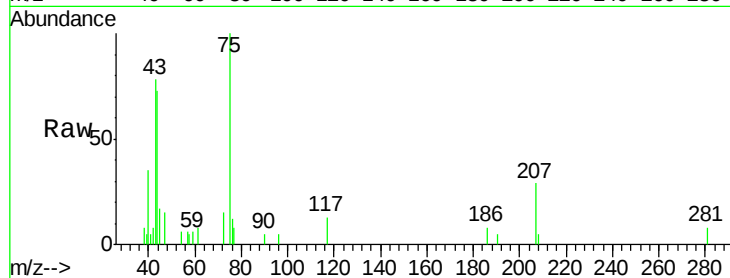




#37
Ethyl Acetate
Concen: 0.55 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. -0.08 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

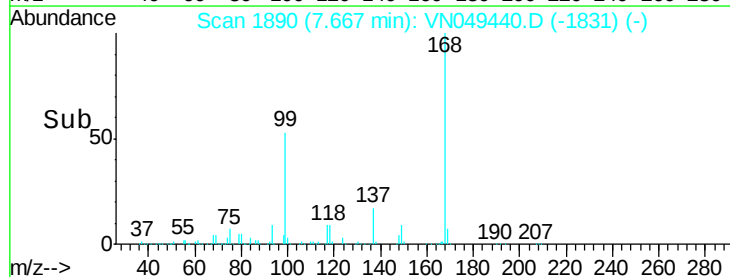
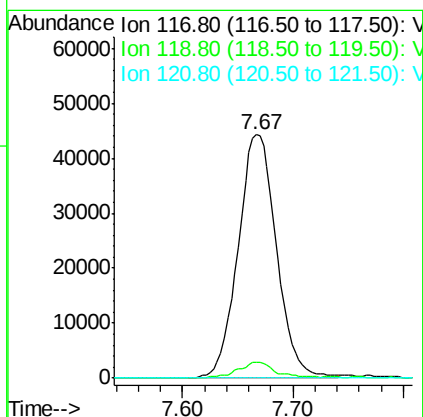
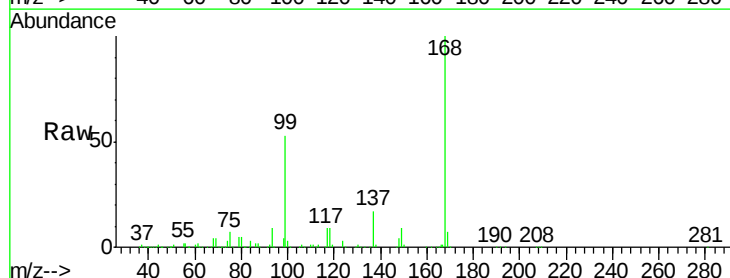
Instrument :
MSVOA_N
ClientSampleId :

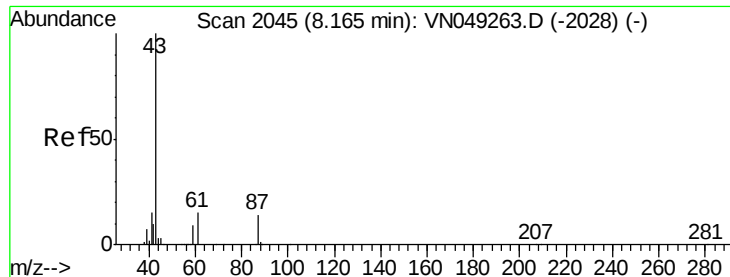
Tot Ion: 43 Resp: 6514
Ion Ratio Lower Upper
43 100
61 2.4 11.0 16.4#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.76 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Tgt Ion: 117 Resp: 106617
Ion Ratio Lower Upper
117 100
119 6.7 75.6 113.4#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 9.72 ug/l

RT: 8.23 min Scan# 2065

Delta R.T. 0.06 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

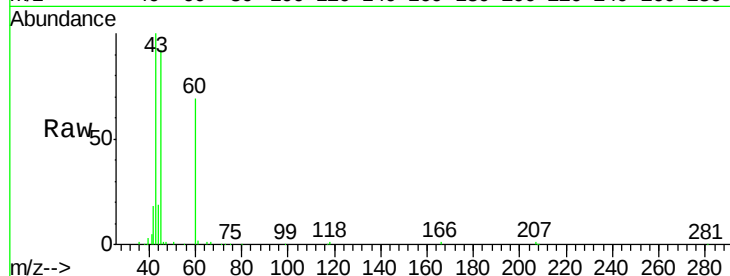
Tot Ion: 43 Resp: 218133

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#

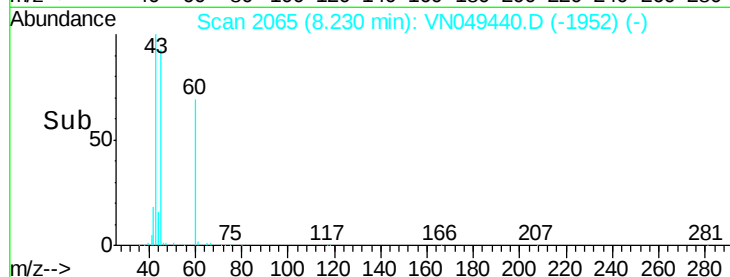


Abundance Ion 43.00 (42.70 to 43.70): VN049440.D (-2065) (-)

Ion 61.00 (60.70 to 61.70): VN049440.D (-2065) (-)

Ion 87.00 (86.70 to 87.70): VN049440.D (-2065) (-)

Time-->

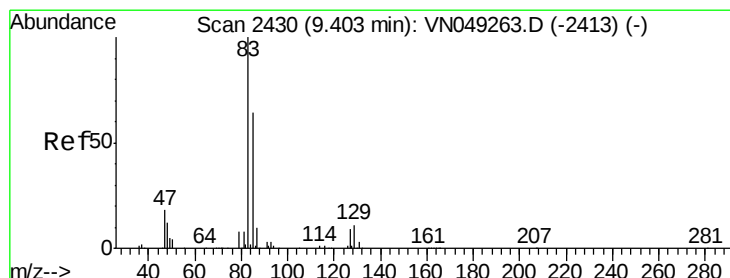


Abundance Ion 43.00 (42.70 to 43.70): VN049440.D (-2065) (-)

Ion 61.00 (60.70 to 61.70): VN049440.D (-2065) (-)

Ion 87.00 (86.70 to 87.70): VN049440.D (-2065) (-)

Time-->



#47

Bromodichloromethane

Concen: 0.28 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

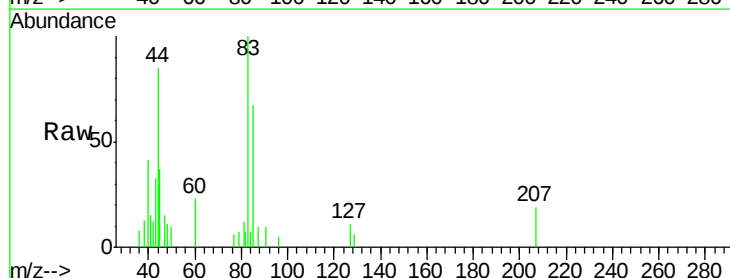
Tgt Ion: 83 Resp: 6265

Ion Ratio Lower Upper

83 100

85 67.0 49.4 74.0

127 10.5 6.3 9.5#

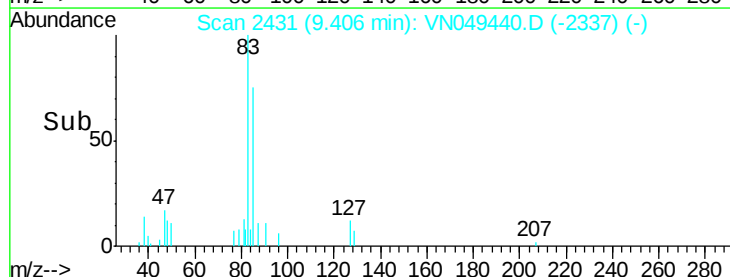


Abundance Ion 82.90 (82.60 to 83.60): VN049440.D (-2430) (-)

Ion 84.90 (84.60 to 85.60): VN049440.D (-2430) (-)

Ion 126.80 (126.50 to 127.50): VN049440.D (-2430) (-)

Time-->

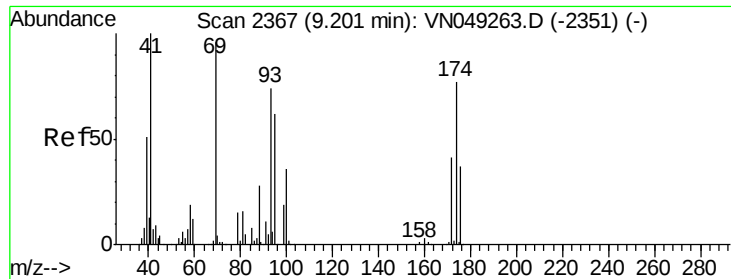


Abundance Ion 82.90 (82.60 to 83.60): VN049440.D (-2430) (-)

Ion 84.90 (84.60 to 85.60): VN049440.D (-2430) (-)

Ion 126.80 (126.50 to 127.50): VN049440.D (-2430) (-)

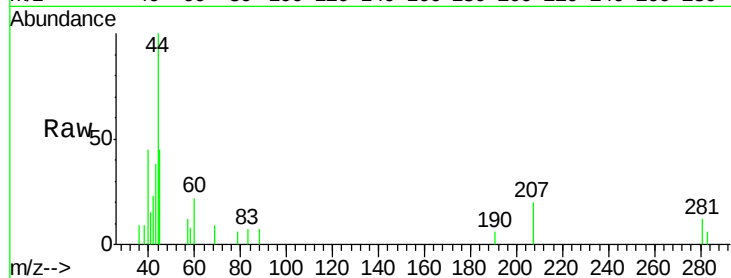
Time-->



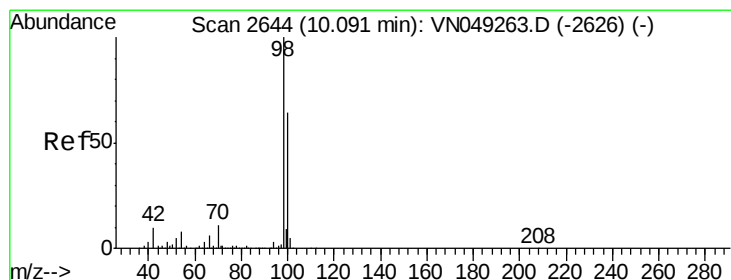
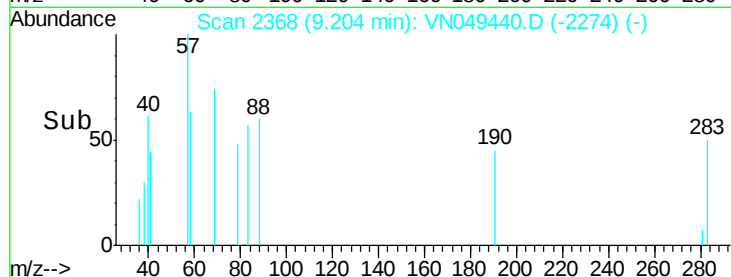
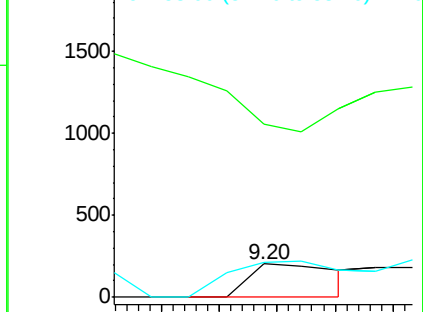
#49
1,4-Dioxane
Concen: 0.74 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 108
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 162.0 58.9 88.3#

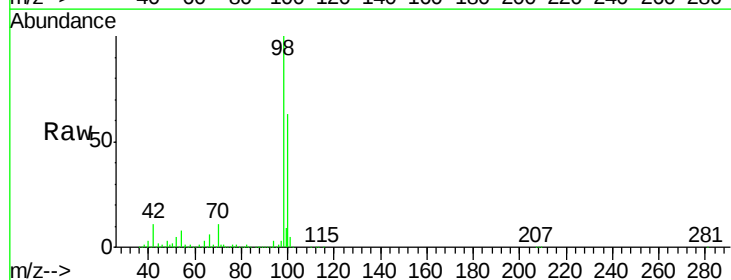


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

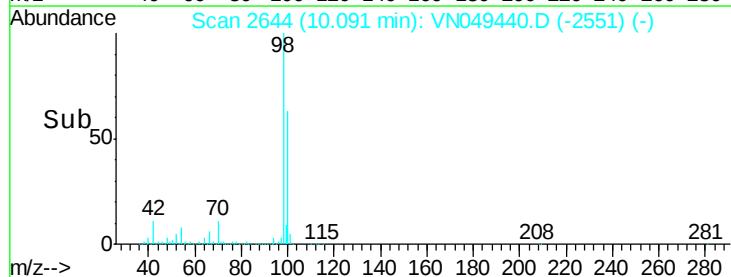
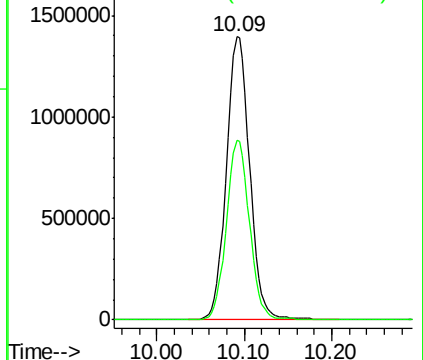


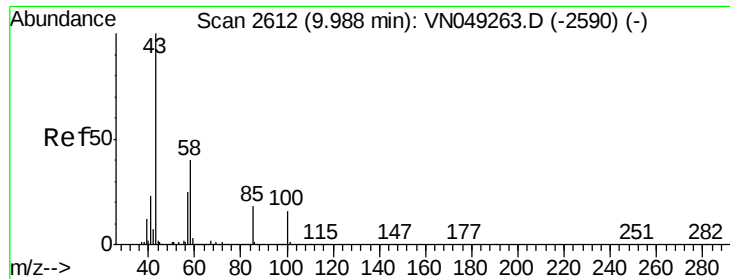
#50
Toluene-d8
Concen: 44.41 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Tgt Ion: 98 Resp: 2580385
Ion Ratio Lower Upper
98 100
100 63.3 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.34 ug/l

RT: 9.99 min Scan# 2614

Delta R.T. 0.01 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

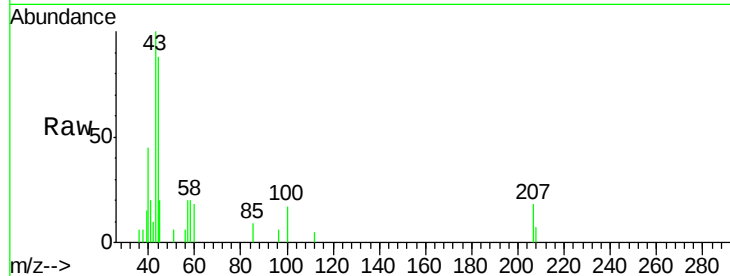
ClientSampleId :

Tot Ion: 43 Resp: 3947

Ion Ratio Lower Upper

43 100

58 29.3 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)

9.99

3000

2000

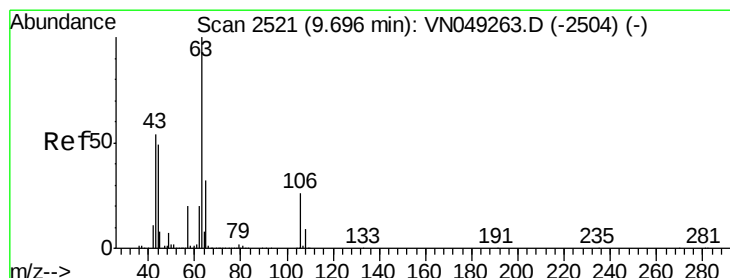
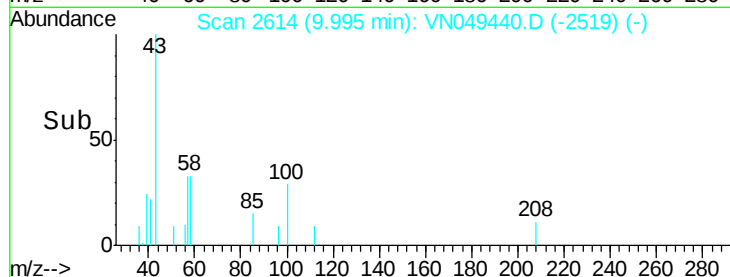
1000

0

9.95

10.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 14.34 ug/l

RT: 9.55 min Scan# 2476

Delta R.T. -0.14 min

Lab File: VN049440.D

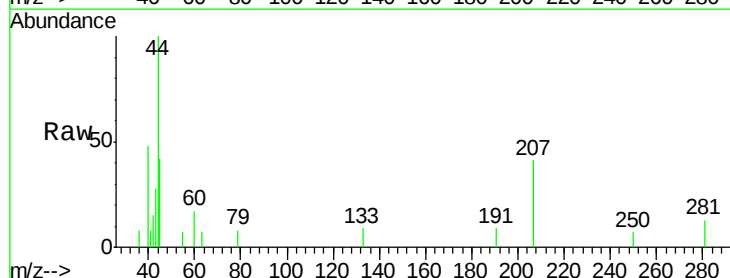
Acq: 20 Jun 2018 17:03

Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049263.D (-2504) (-)

Ion 105.90 (105.60 to 106.60): VN049263.D (-2504) (-)

9.55

200

150

100

50

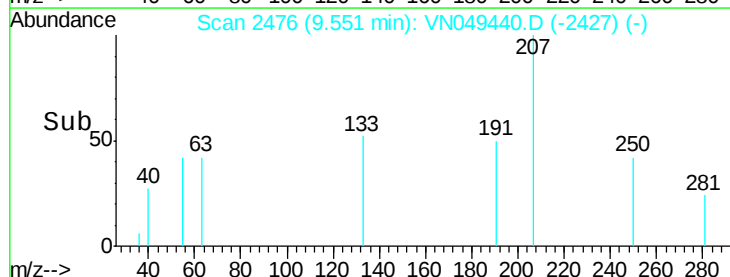
0

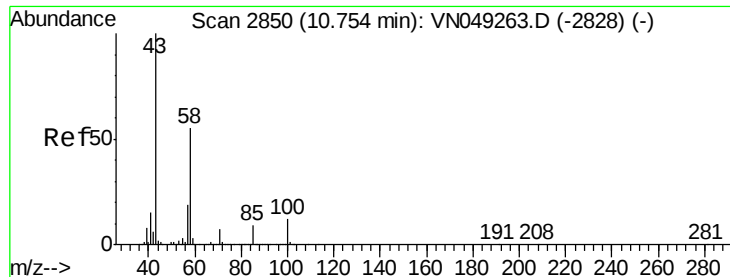
9.54

9.55

9.56

Time-->





#59

2-Hexanone

Concen: 0.23 ug/l

RT: 10.76 min Scan# 2853

Delta R.T. 0.01 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

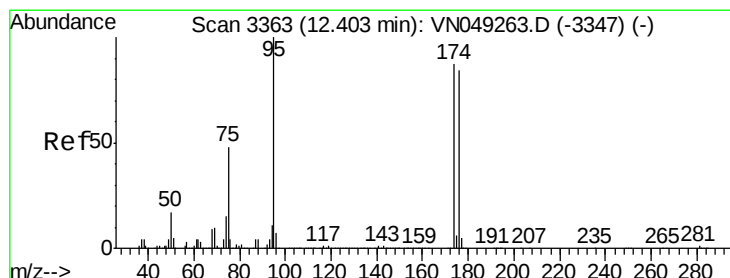
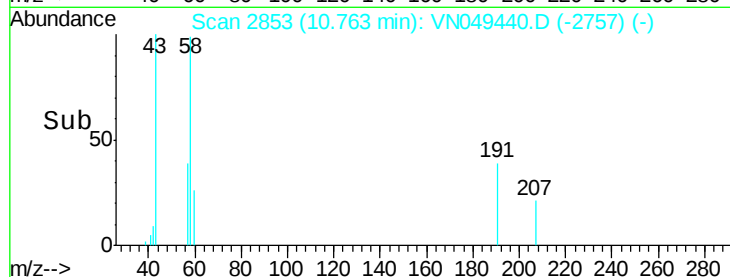
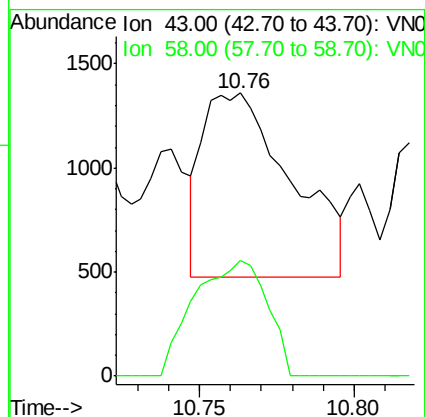
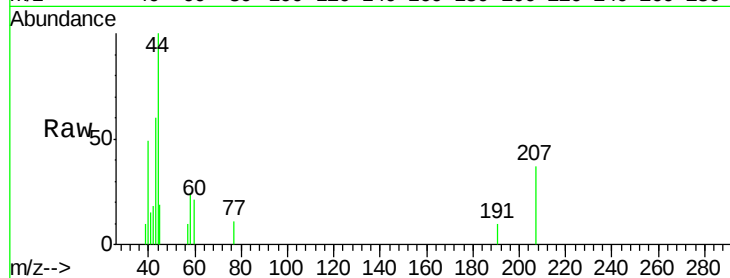
ClientSampled :

Tot Ion: 43 Resp: 1747

Ion Ratio Lower Upper

43 100

58 52.1 25.2 75.6



#62

4-Bromofluorobenzene

Concen: 35.90 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

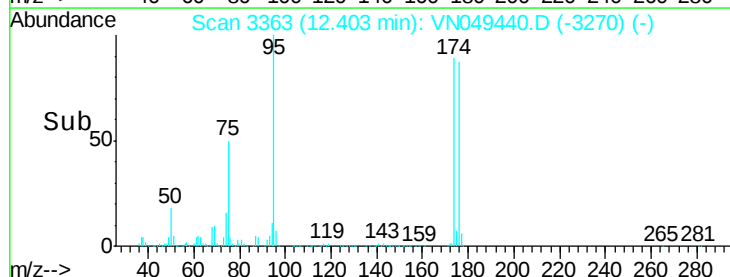
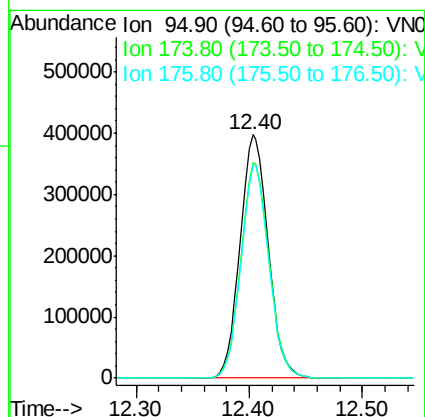
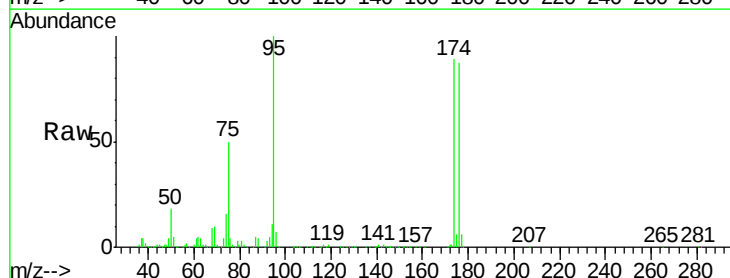
Tgt Ion: 95 Resp: 689646

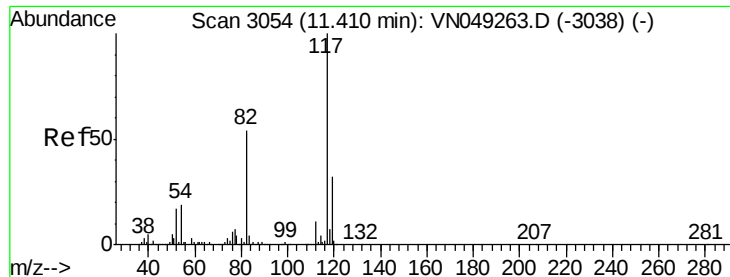
Ion Ratio Lower Upper

95 100

174 89.2 0.0 165.6

176 86.5 0.0 157.4

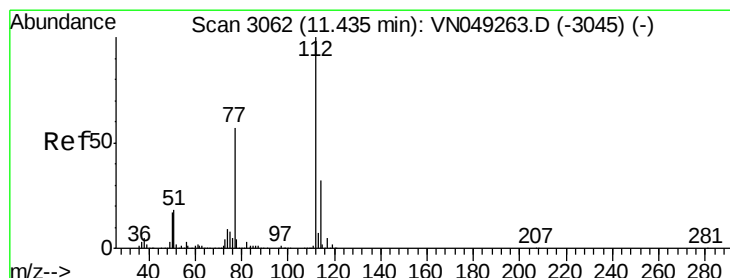
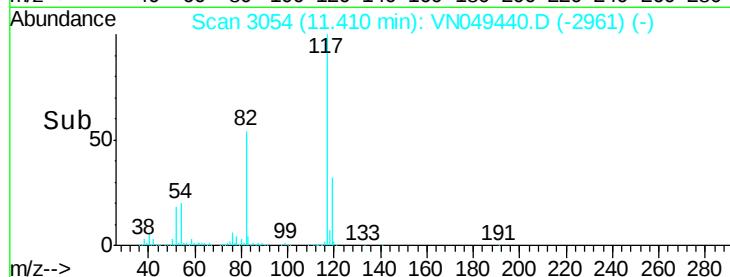
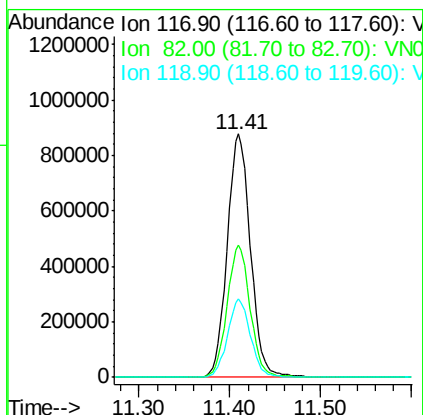
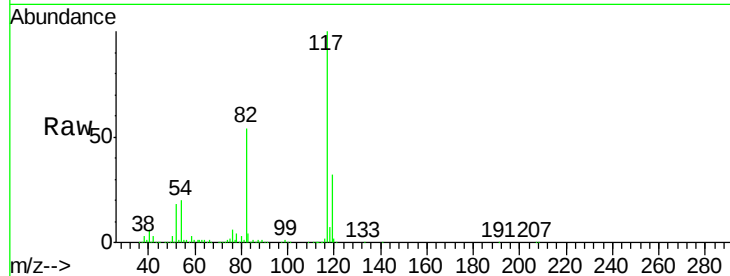




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

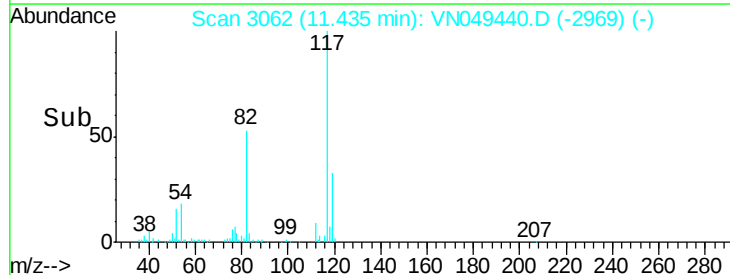
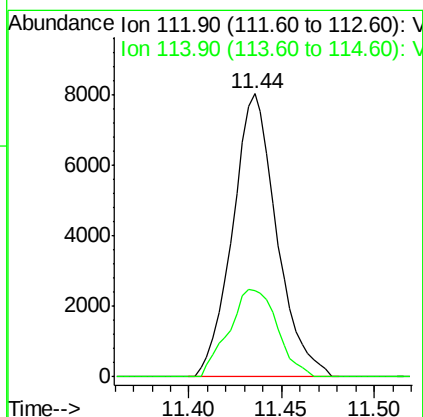
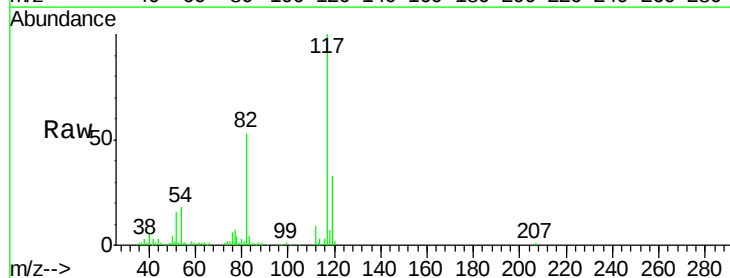
Instrument :
MSVOA_N
ClientSampleId :

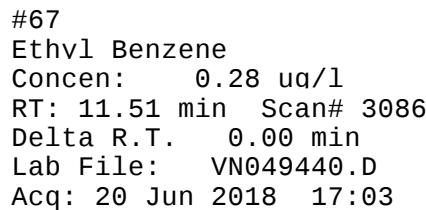
Tot Ion:117 Resp: 1556288
Ion Ratio Lower Upper
117 100
82 54.3 45.9 68.9
119 32.0 25.5 38.3



#65
Chlorobenzene
Concen: 0.33 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

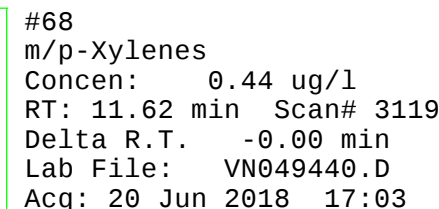
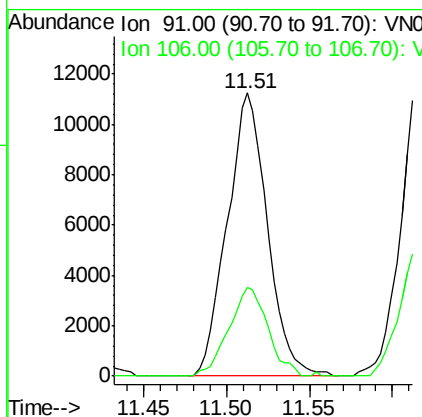
Tgt Ion:112 Resp: 13287
Ion Ratio Lower Upper
112 100
114 30.3 26.2 39.4



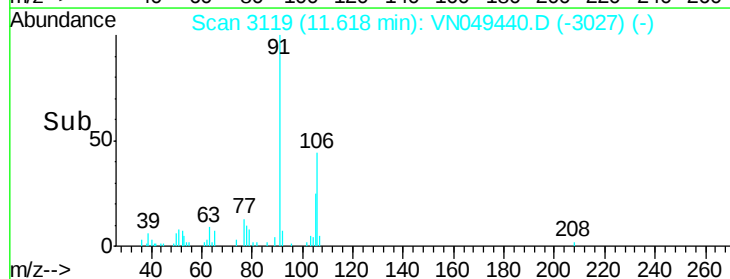
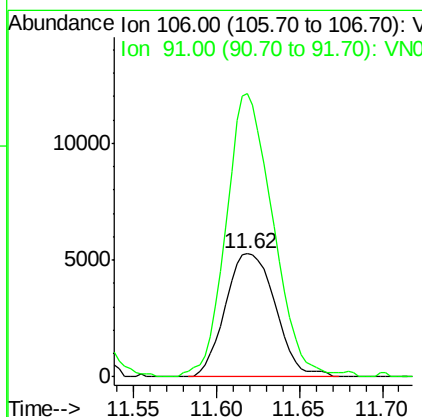


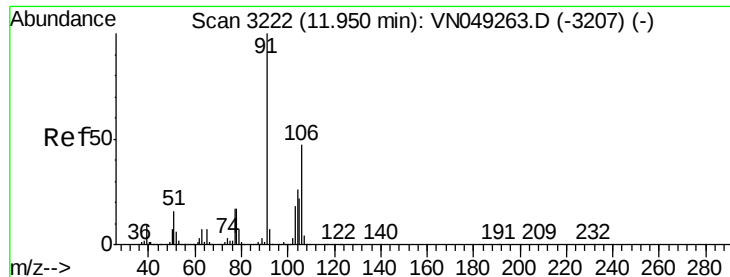
Instrument :
MSVOA_N
ClientSampleId :

Tot	Ion: 91	Resp:	18916
Ion	Ratio	Lower	Upper
91	100		
106	31.5	23.9	35.9



Tgt	Ion:106	Resp:	11096
Ion	Ratio	Lower	Upper
106	100		
91	214.1	167.3	250.9

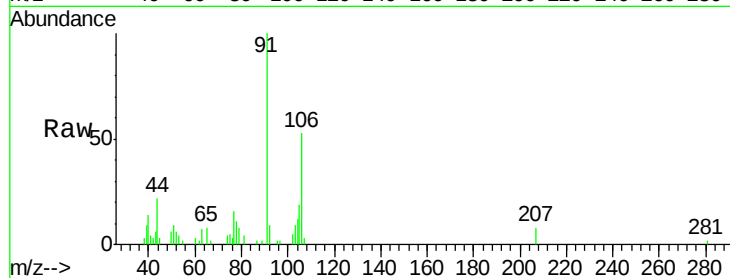




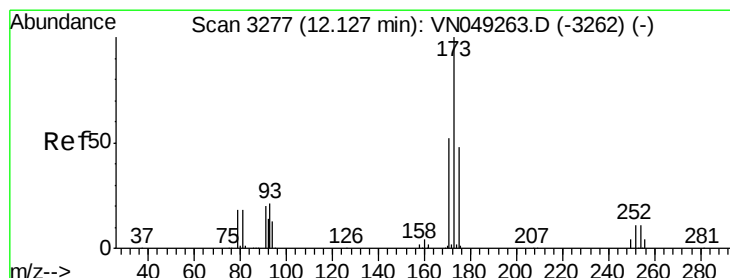
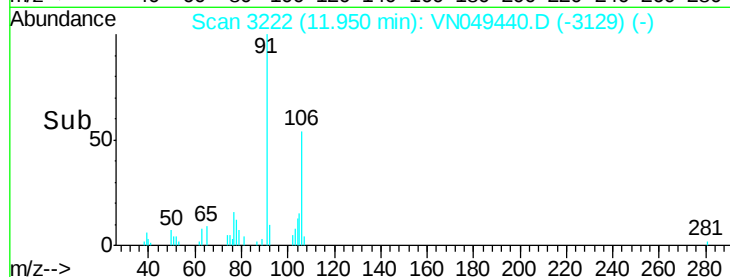
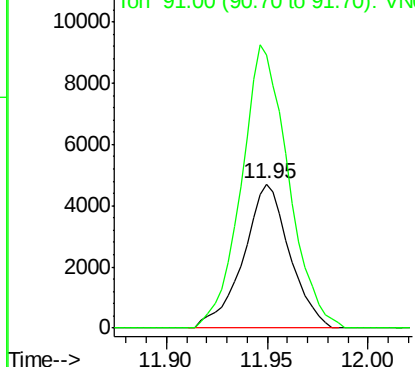
#69
o-Xylene
Concen: 0.31 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 7514
Ion Ratio Lower Upper
106 100
91 200.5 111.0 333.0

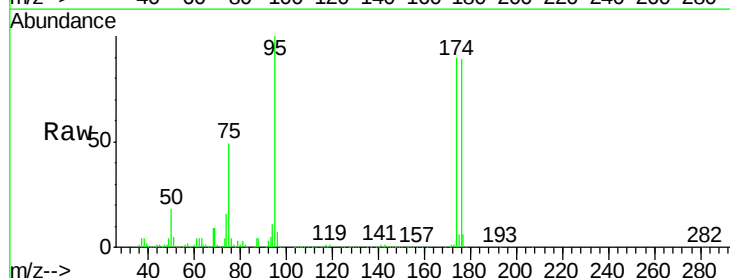


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

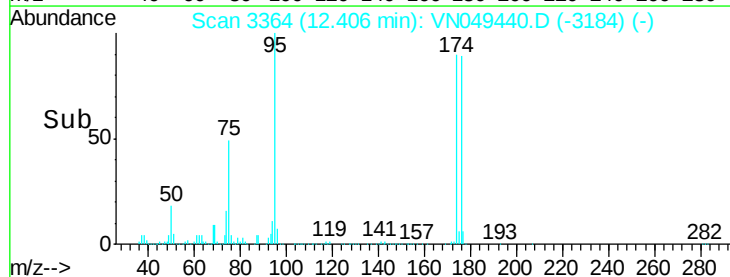
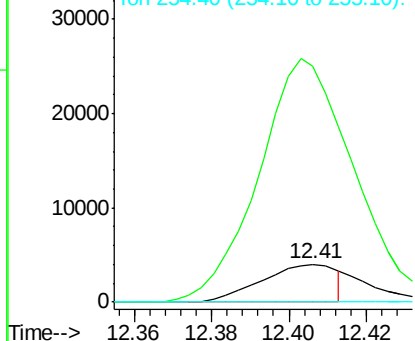


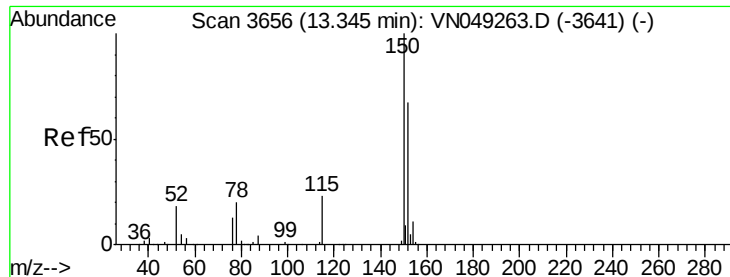
#71
Bromoform
Concen: 0.55 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Tgt Ion:173 Resp: 5390
Ion Ratio Lower Upper
173 100
175 644.8 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: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

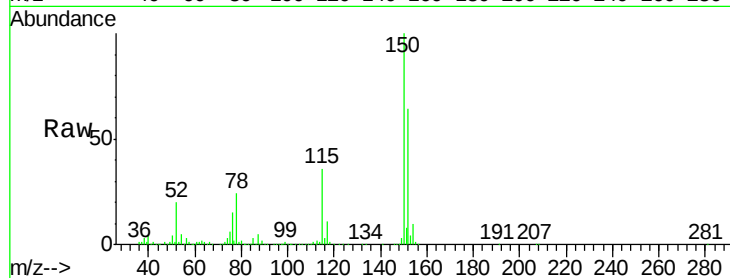
Tot Ion:152 Resp: 517759

Ion Ratio Lower Upper

152 100

115 56.2 28.7 86.1

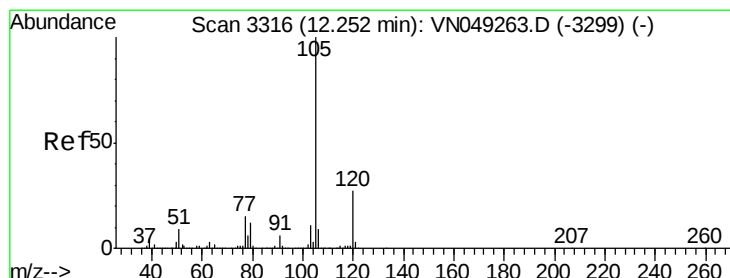
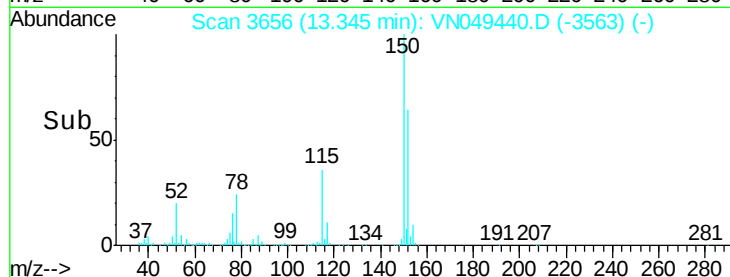
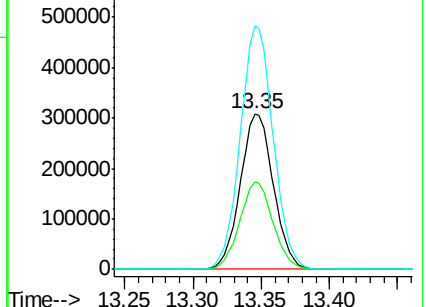
150 156.0 0.0 351.0



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: 0.24 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN049440.D

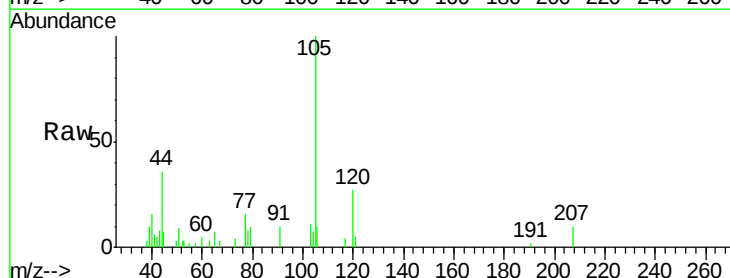
Acq: 20 Jun 2018 17:03

Tgt Ion:105 Resp: 10997

Ion Ratio Lower Upper

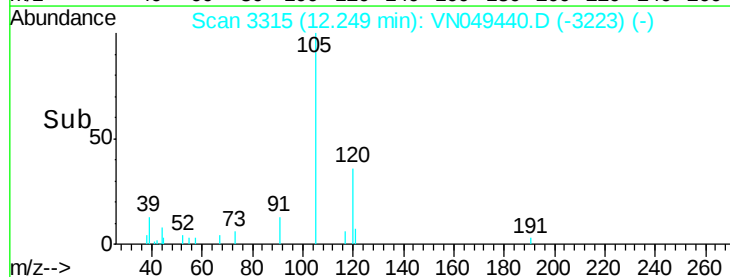
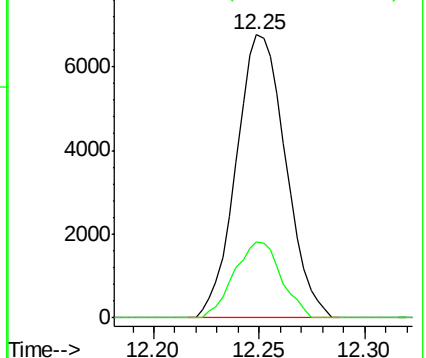
105 100

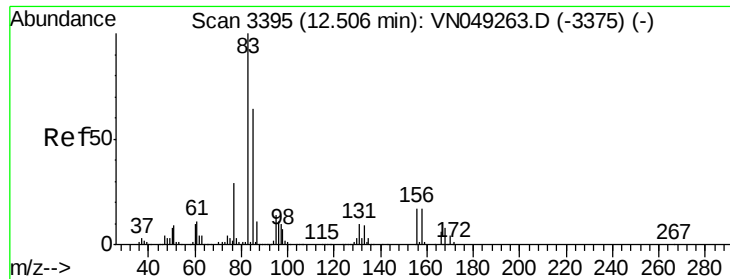
120 25.5 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

ClientSampled :

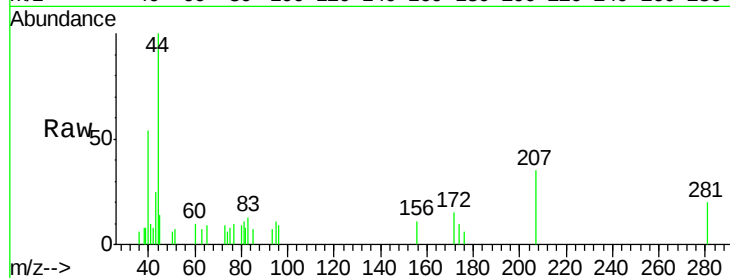
Tot Ion: 83 Resp: 359

Ion Ratio Lower Upper

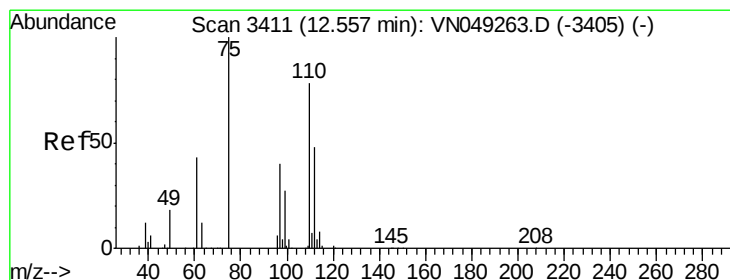
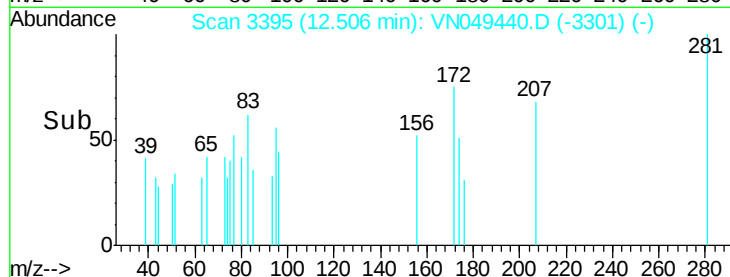
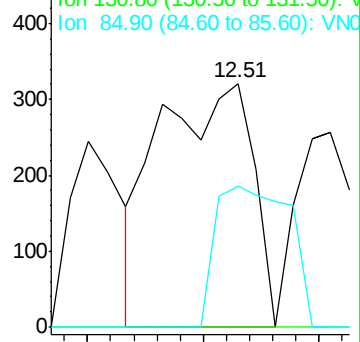
83 100

131 0.0 5.0 15.0#

85 46.0 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN049440.D (-3301) (-)



#76

1,2,3-Trichloropropane

Concen: 37.88 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049440.D

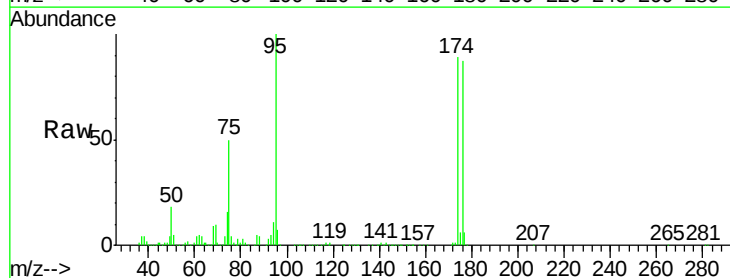
Acq: 20 Jun 2018 17:03

Tgt Ion: 75 Resp: 334601

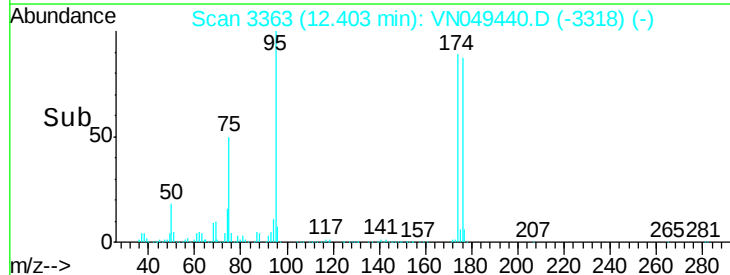
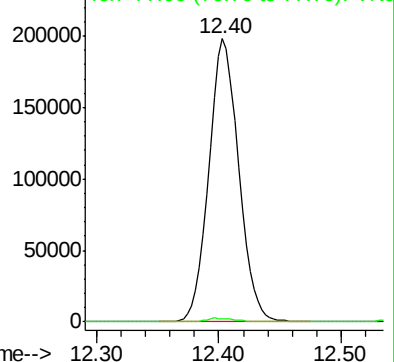
Ion Ratio Lower Upper

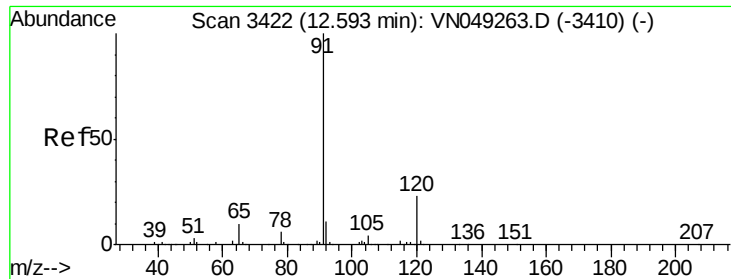
75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN049440.D (-3318) (-)





#78

n-propylbenzene

Concen: 0.48 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

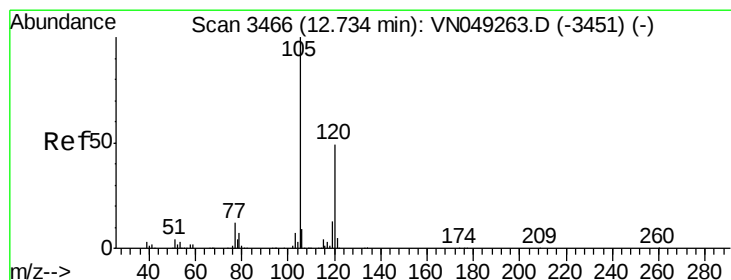
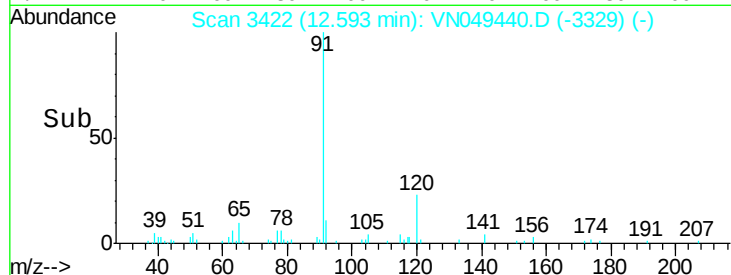
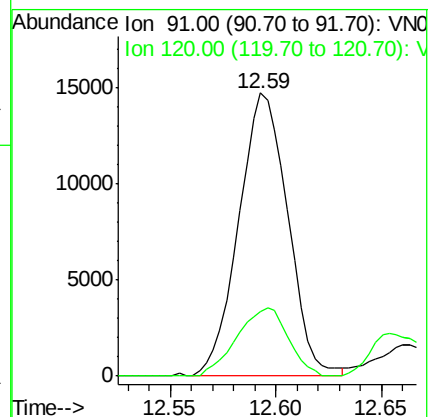
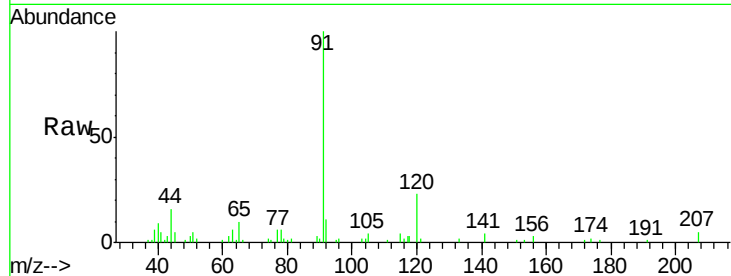
ClientSampleId :

Tot Ion: 91 Resp: 23890

Ion Ratio Lower Upper

91 100

120 25.1 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 0.34 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049440.D

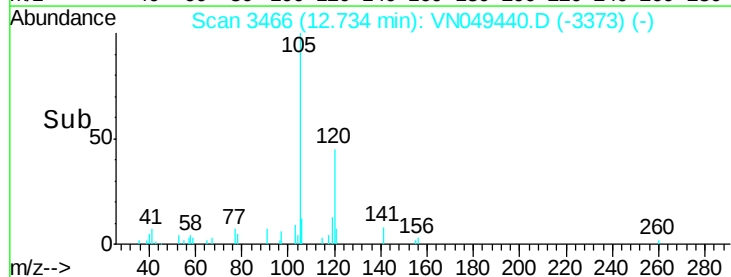
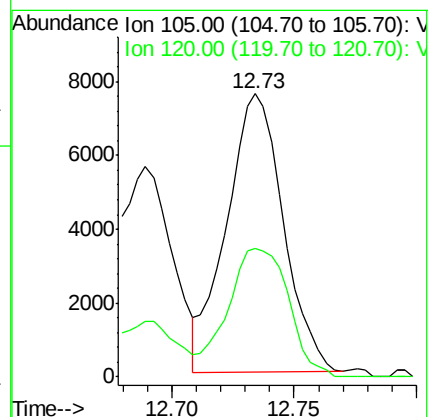
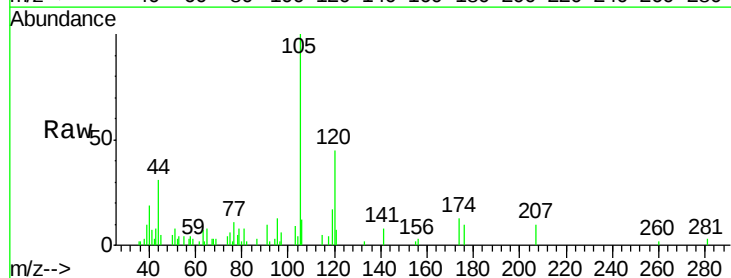
Acq: 20 Jun 2018 17:03

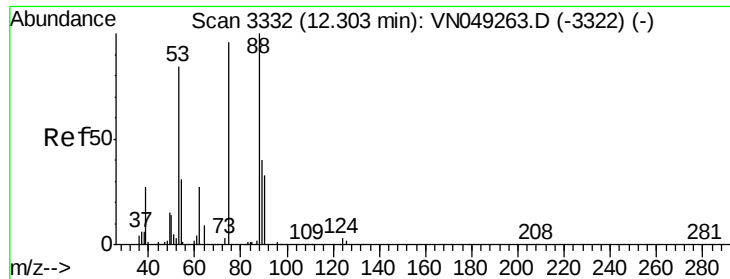
Tgt Ion: 105 Resp: 12134

Ion Ratio Lower Upper

105 100

120 49.8 23.5 70.5

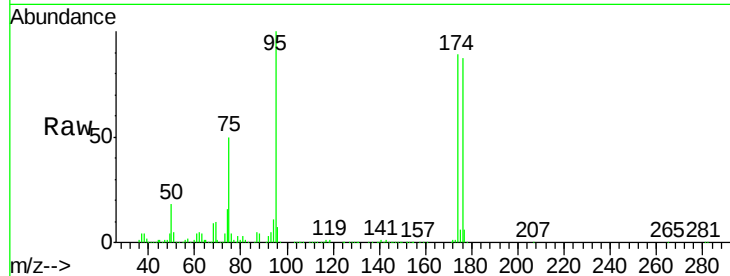




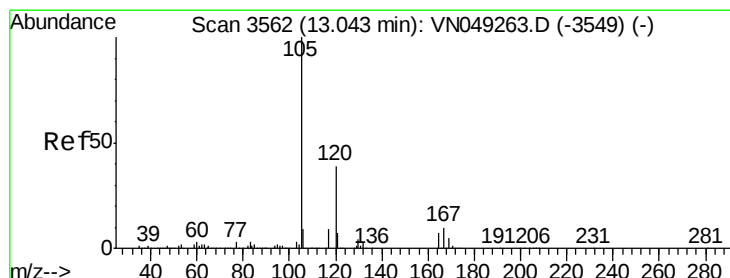
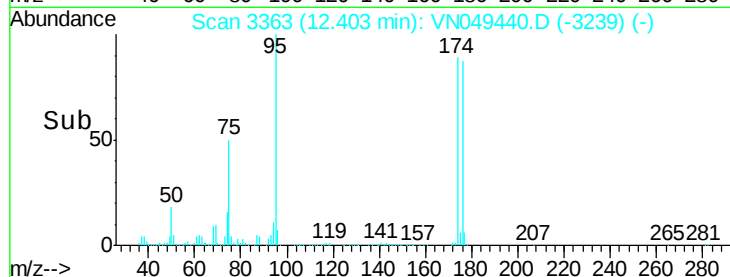
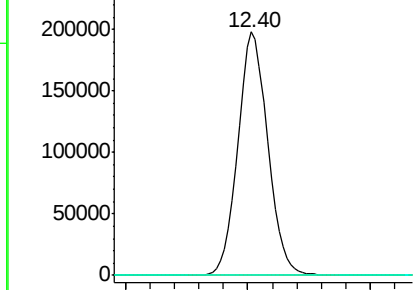
#81
trans-1,4-Dichloro-2-butene
Concen: 119.71 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.10 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 75 Resp: 334601
Ion Ratio Lower Upper
75 100
53 0.2 82.7 124.1#
89 0.0 36.5 54.7#

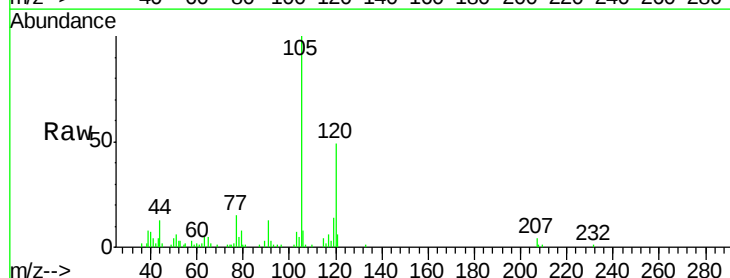


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

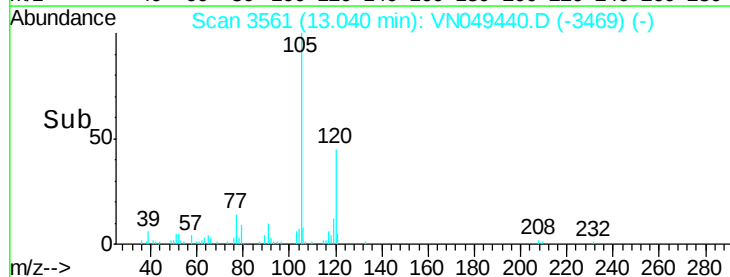
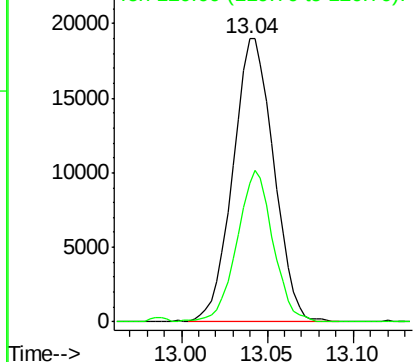


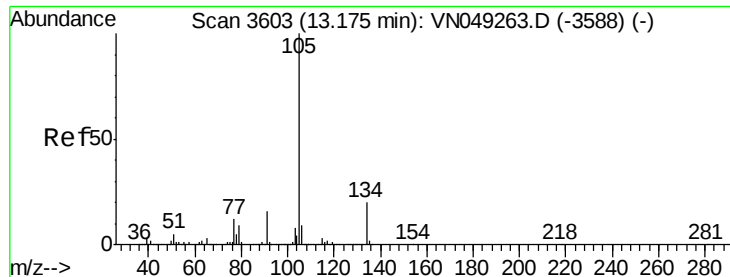
#84
1,2,4-Trimethylbenzene
Concen: 0.89 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Tgt Ion: 105 Resp: 31442
Ion Ratio Lower Upper
105 100
120 47.2 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 0.36 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

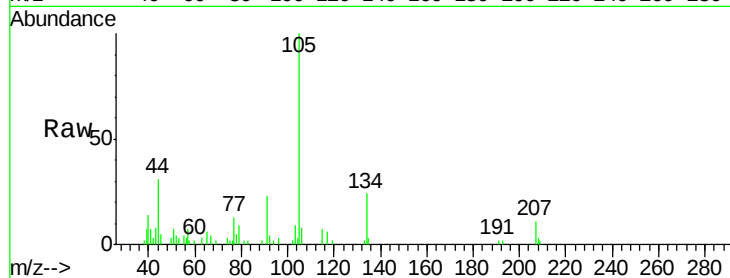
ClientSampled :

Tot Ion:105 Resp: 15189

Ion Ratio Lower Upper

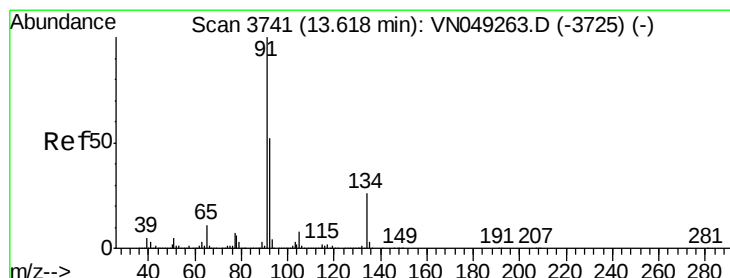
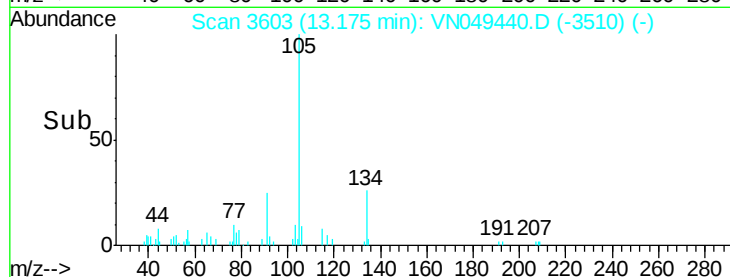
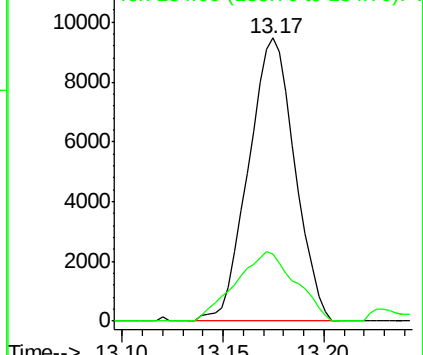
105 100

134 31.5 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#89

n-Butylbenzene

Concen: 0.36 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

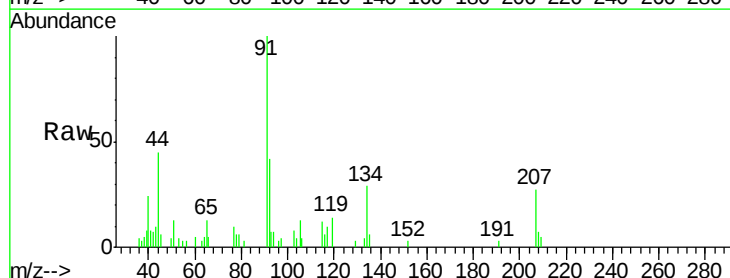
Tgt Ion: 91 Resp: 9792

Ion Ratio Lower Upper

91 100

92 38.5 25.1 75.4

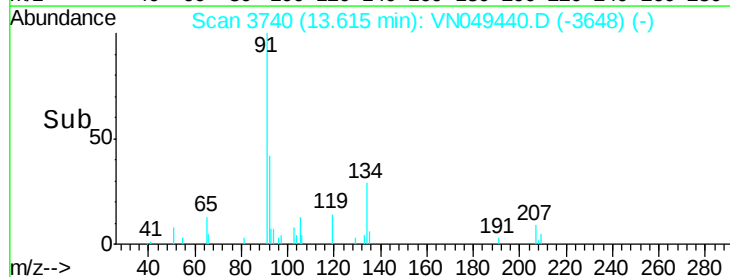
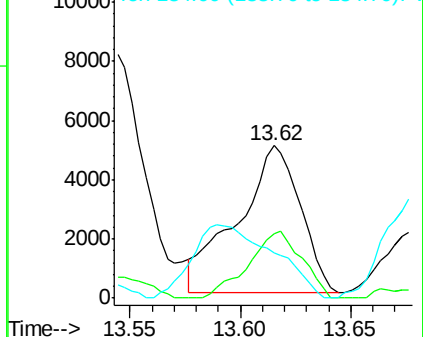
134 0.0 12.0 36.0#

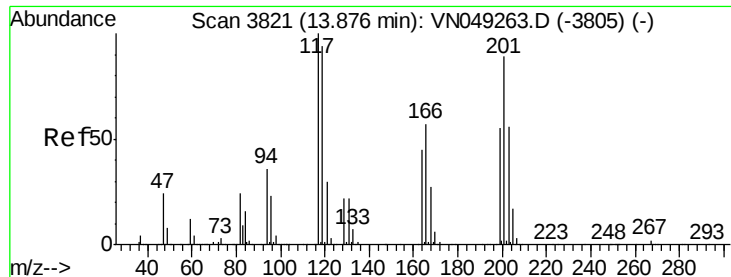


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

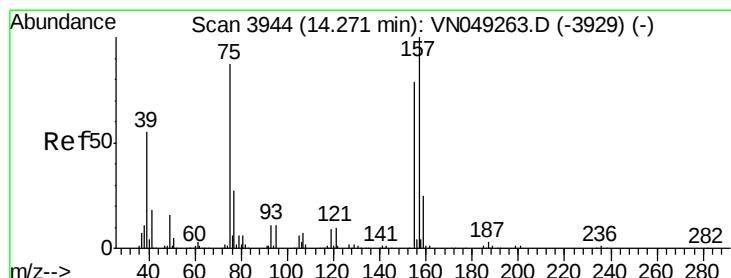
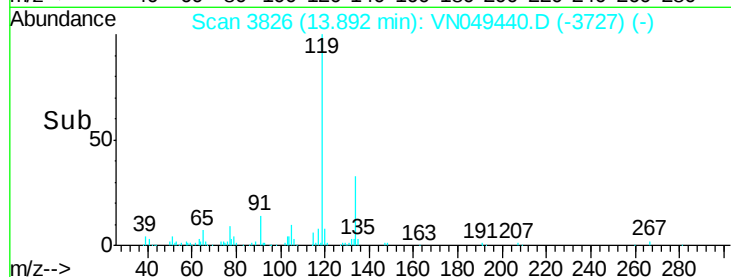
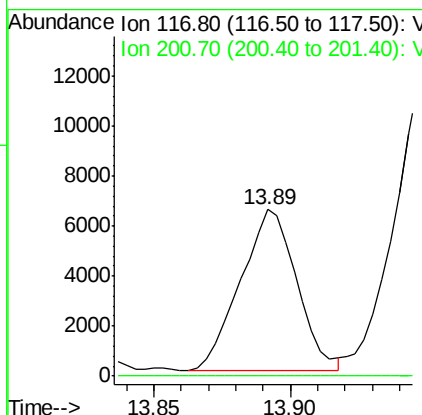
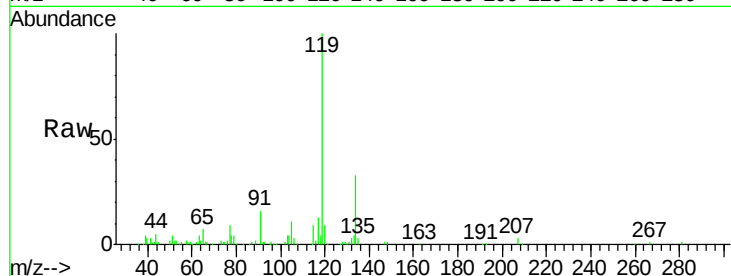




#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

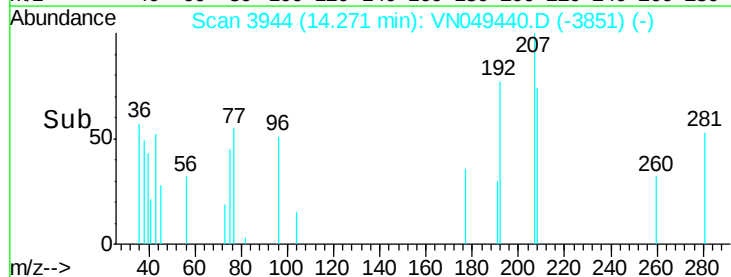
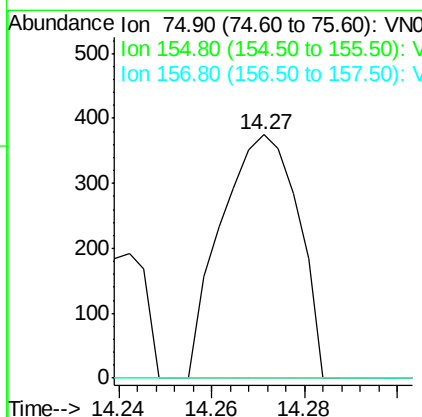
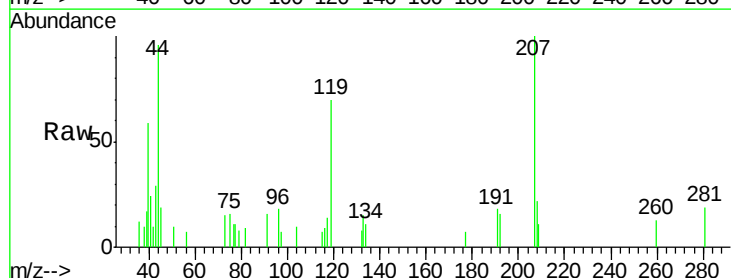
Instrument :
MSVOA_N
ClientSampled :

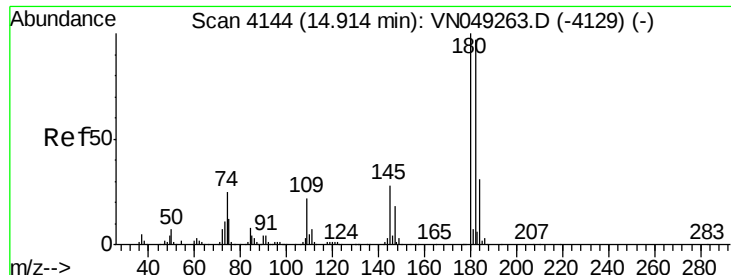
Tot Ion:117 Resp: 9240
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.27 ug/l
RT: 14.27 min Scan# 3944
Delta R.T. 0.00 min
Lab File: VN049440.D
Acq: 20 Jun 2018 17:03

Tgt Ion: 75 Resp: 430
Ion Ratio Lower Upper
75 100
155 0.0 38.8 116.3#
157 0.0 51.0 153.1#

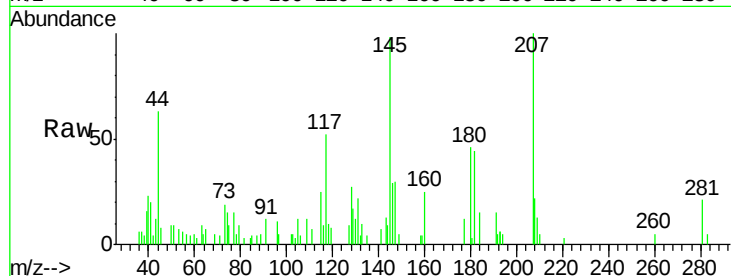




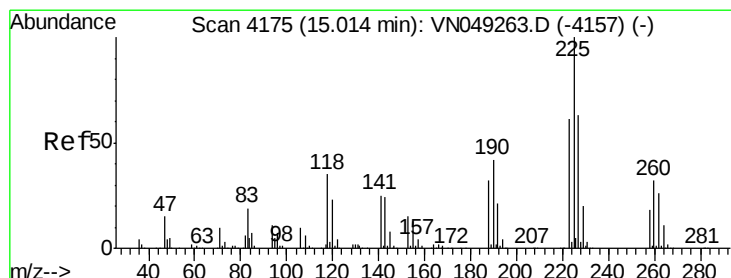
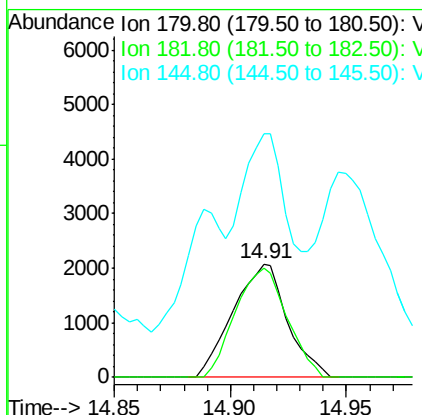
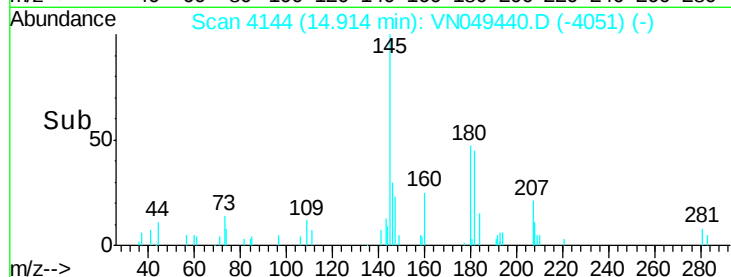
#93
 1,2,4-Trichlorobenzene
 Concen: 5.09 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049440.D
 Acq: 20 Jun 2018 17:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 3372
 Ion Ratio Lower Upper
 180 100
 182 91.9 46.9 140.8
 145 199.3 14.7 44.1#

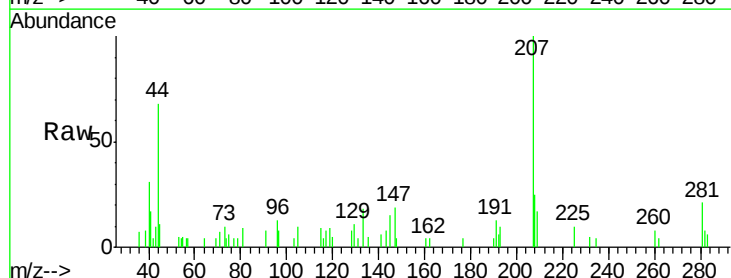


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

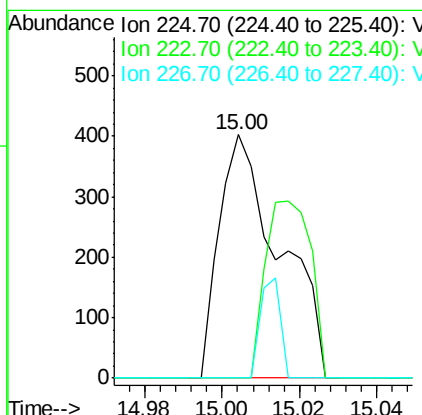
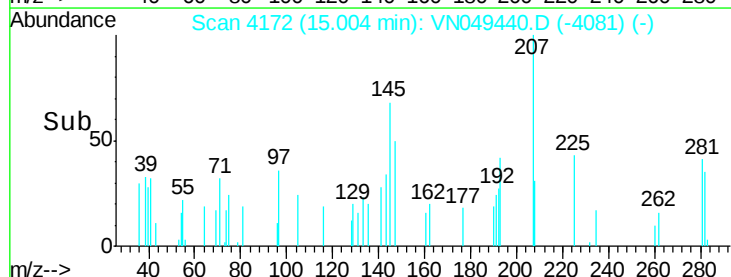


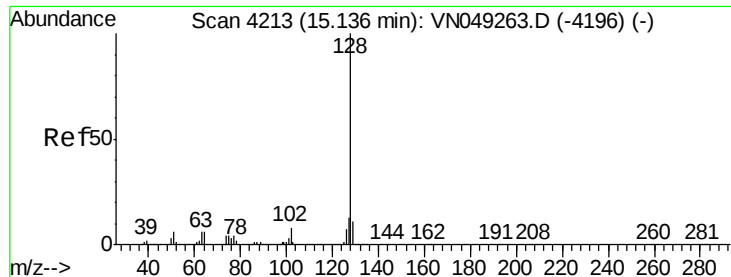
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4172
 Delta R.T. -0.01 min
 Lab File: VN049440.D
 Acq: 20 Jun 2018 17:03

Tgt Ion:225 Resp: 436
 Ion Ratio Lower Upper
 225 100
 223 55.0 32.1 96.3
 227 14.0 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: 17.23 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

Instrument :

MSVOA_N

ClientSampleId :

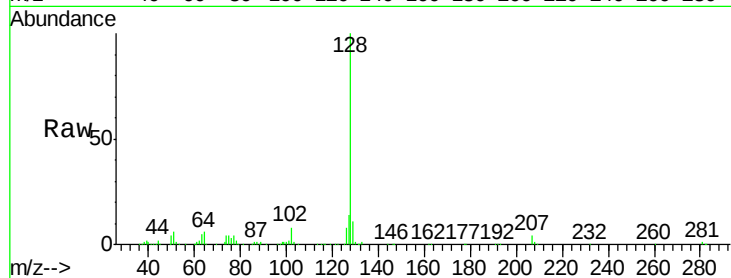
Tot Ion:128 Resp: 227164

Ion Ratio Lower Upper

128 100

127 14.0 10.6 16.0

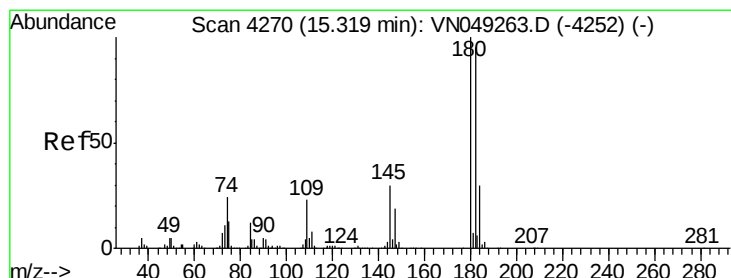
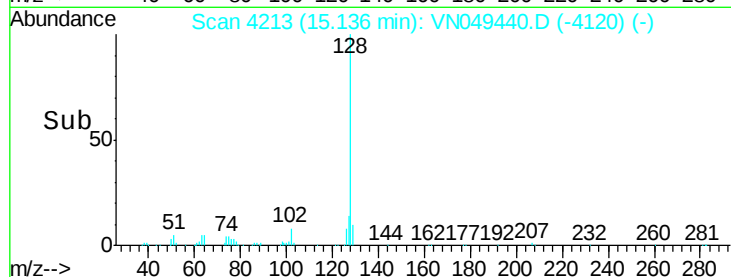
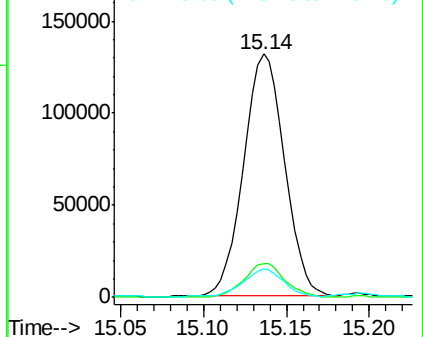
129 11.4 8.5 12.7



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: 3.73 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN049440.D

Acq: 20 Jun 2018 17:03

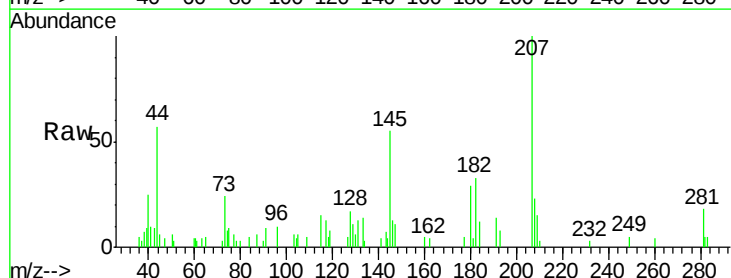
Tgt Ion:180 Resp: 2586

Ion Ratio Lower Upper

180 100

182 114.1 47.3 141.8

145 400.0 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

