

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062518\
 Data File : VN049537.D
 Acq On : 26 Jun 2018 3:28
 Operator : MD\SY
 Sample : J3241-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-062218-C

Quant Time: Jun 26 04:43:23 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	1212786	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1904409	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1562357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	442597	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	791949	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
35) Dibromofluoromethane	7.59	113	721197	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
50) Toluene-d8	10.09	98	2594411	44.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.44%	
62) 4-Bromofluorobenzene	12.40	95	645942	33.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.60%	

Target Compounds

						Qvalue
5) Bromomethane	2.57	94	6326	0.63	ug/l #	75
11) Tert butyl alcohol	4.79	59	299	0.32	ug/l #	70
13) Acrolein	3.61	56	643	0.65	ug/l #	82
14) Allyl chloride	4.55	41	104374	4.75	ug/l #	20
16) Acetone	3.82	43	35735	9.15	ug/l	99
18) Methyl Acetate	4.33	43	70835	5.95	ug/l	97
20) Methylene Chloride	4.55	84	3048001	186.86	ug/l	91
25) 2-Butanone	6.85	43	4439	0.85	ug/l	92
30) Chloroform	7.37	83	16183	0.58	ug/l	89
31) Cyclohexane	7.66	56	21524	0.73	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	83645	3.83	ug/l #	51
38) Carbon Tetrachloride	7.67	117	108825	4.82	ug/l #	17
43) Isopropyl Acetate	8.25	43	129439	5.71	ug/l #	64
47) Bromodichloromethane	9.40	83	7060	0.32	ug/l #	88
49) 1,4-Dioxane	9.22	88	140	0.95	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.65	63	69	14.34	ug/l #	51
65) Chlorobenzene	11.44	112	8228	0.20	ug/l #	83
68) m/p-Xylenes	11.62	106	7859	0.31	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	193	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	314482	41.64	ug/l #	100
78) n-propylbenzene	12.60	91	14229	0.33	ug/l	93
79) 2-Chlorotoluene	12.68	91	8614	0.32	ug/l	89
80) 1,3,5-Trimethylbenzene	12.74	105	12891	0.42	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	314482	131.61	ug/l #	9
82) 4-Chlorotoluene	12.68	91	8614	0.33	ug/l	90
84) 1,2,4-Trimethylbenzene	13.04	105	27912	0.92	ug/l	97
85) sec-Butylbenzene	13.17	105	8552	0.24	ug/l	82
89) n-Butylbenzene	13.62	91	4768	0.20	ug/l #	76
90) Hexachloroethane	13.89	117	2684	Below	Cal #	9
92) 1,2-Dibromo-3-Chloropropan	14.27	75	361	0.27	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	1611	4.93	ug/l #	1
94) Hexachlorobutadiene	15.01	225	163	Below	Cal #	48
95) Naphthalene	15.14	128	151825	14.04	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1404	3.63	ug/l #	1

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

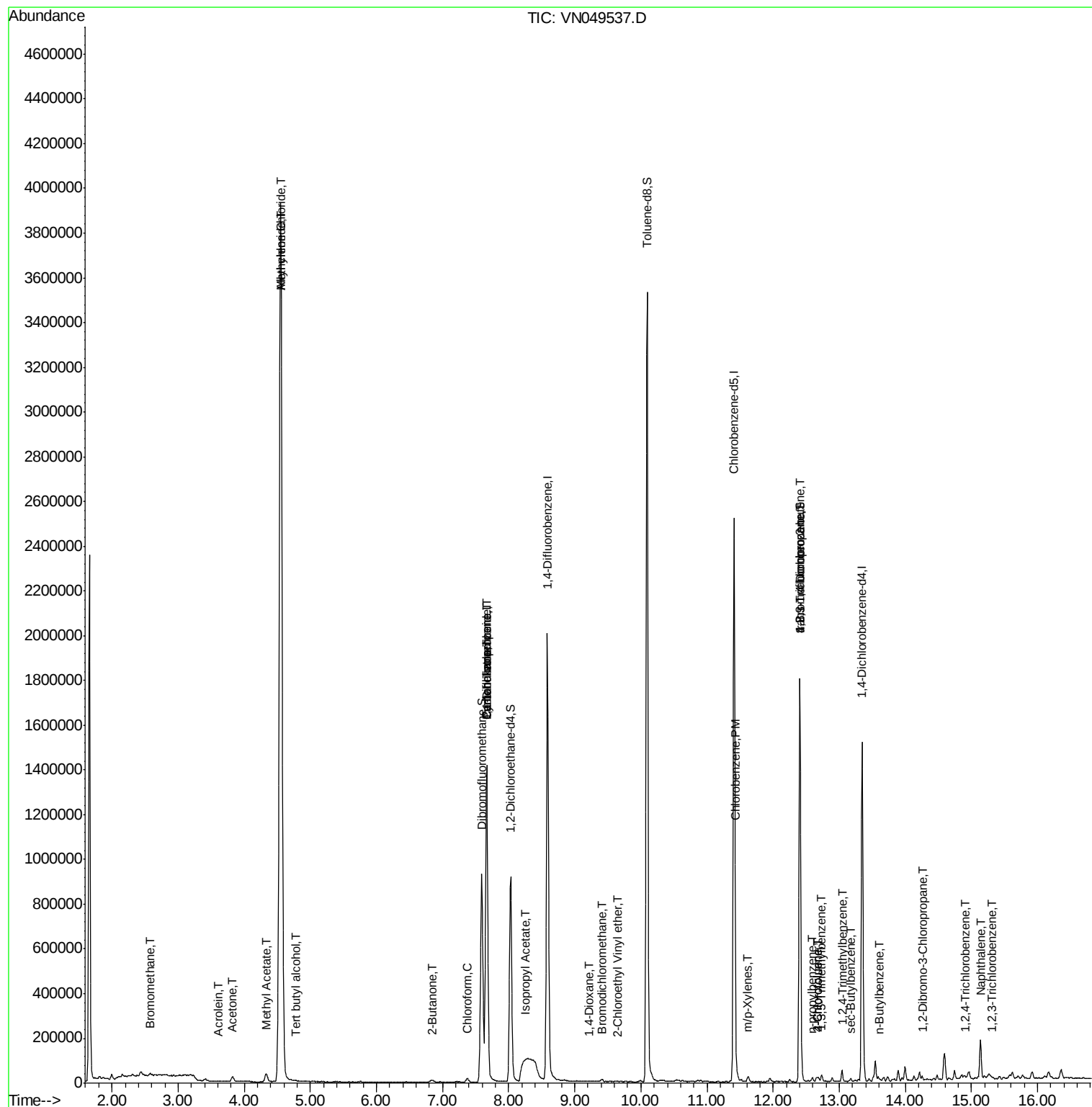
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

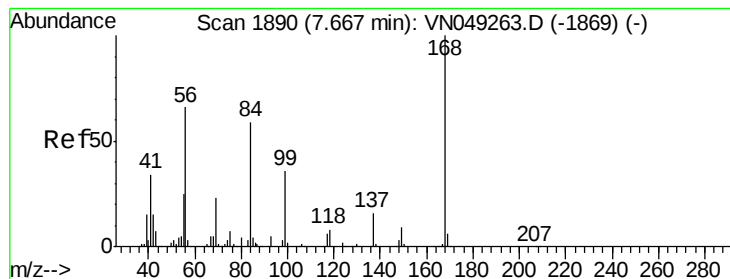
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN062518\
Data File : VN049537.D
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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: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

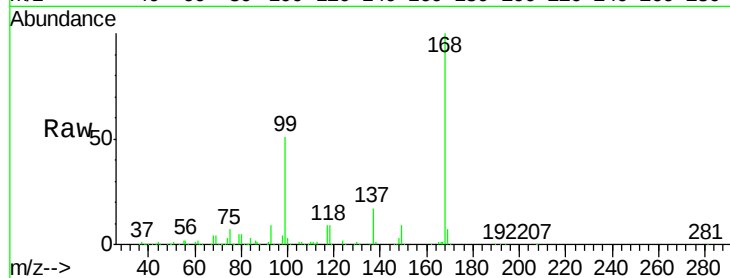
HR-06-062218-C

Tot Ion:168 Resp: 1212786

Ion Ratio Lower Upper

168 100

99 50.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

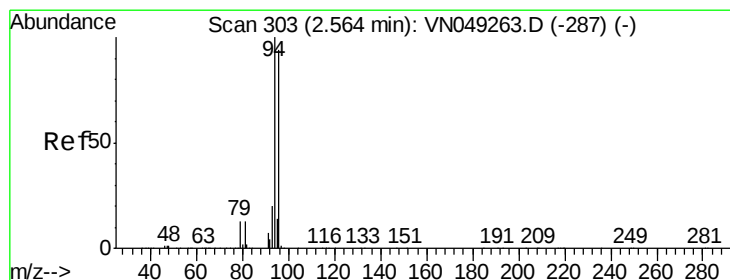
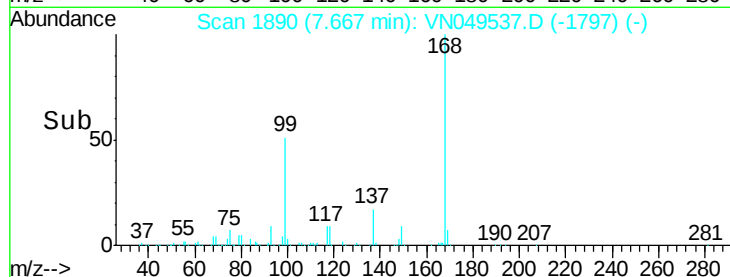
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.63 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049537.D

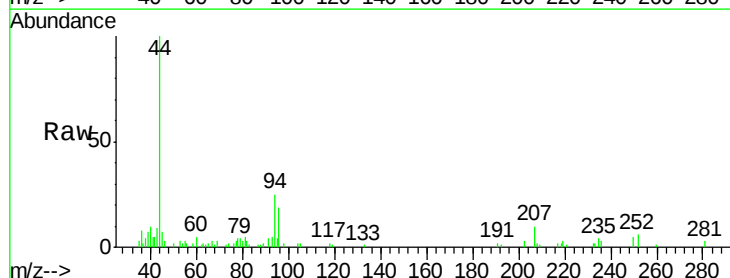
Acq: 26 Jun 2018 3:28

Tgt Ion: 94 Resp: 6326

Ion Ratio Lower Upper

94 100

96 67.2 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.57

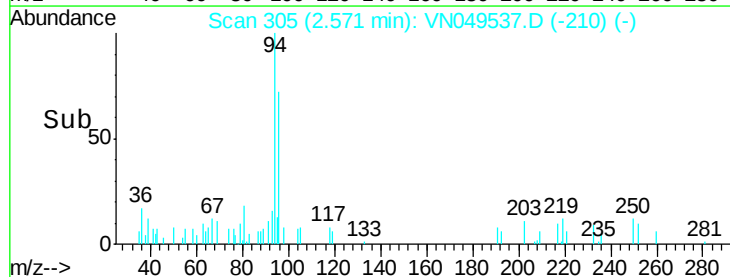
3000

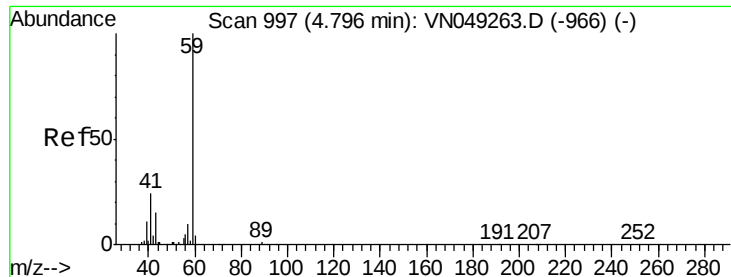
2000

1000

0

Time-->



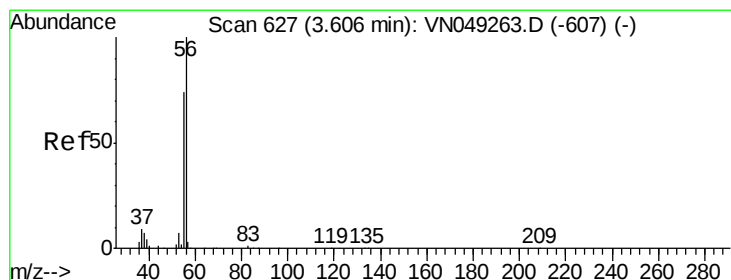
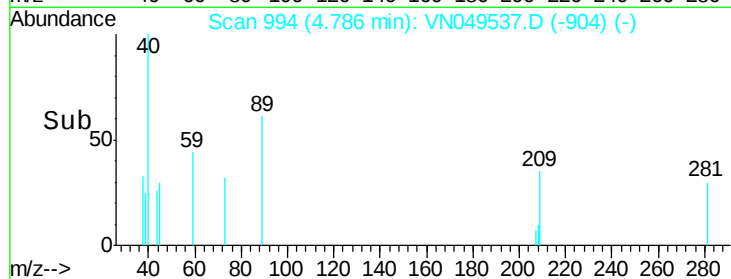
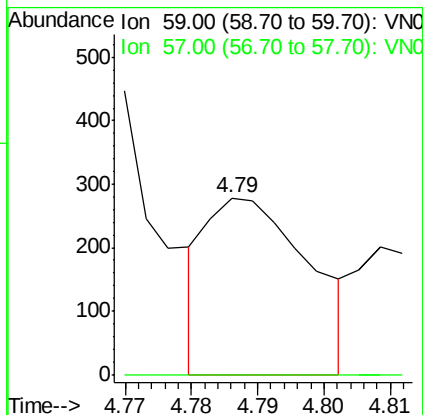
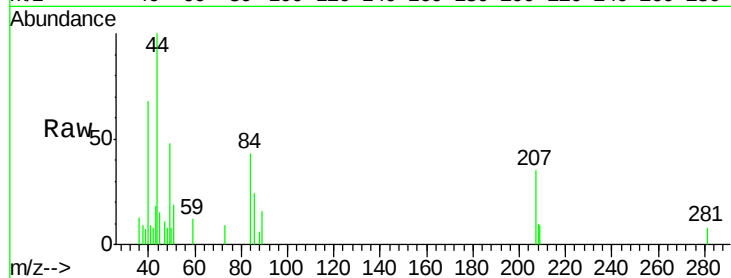


#11

Tert butyl alcohol
 Concen: 0.32 ug/l
 RT: 4.79 min Scan# 994
 Delta R.T. -0.01 min
 Lab File: VN049537.D
 Acq: 26 Jun 2018 3:28

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-062218-C

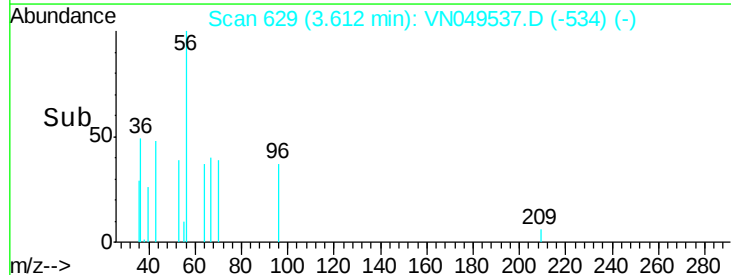
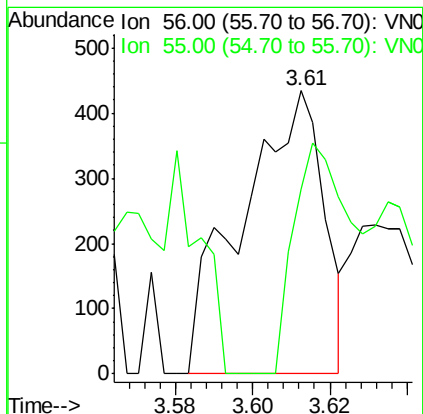
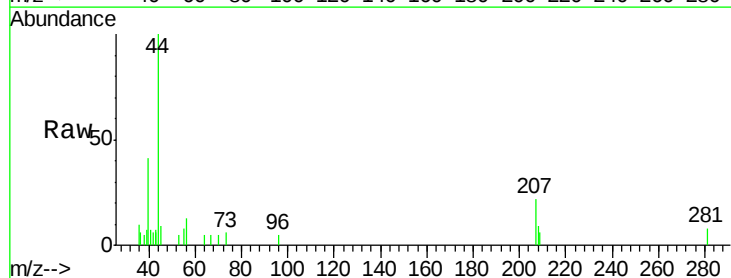
Tot Ion: 59 Resp: 299
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

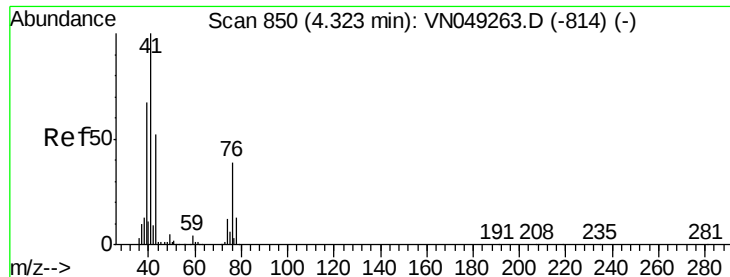


#13

Acrolein
 Concen: 0.65 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.01 min
 Lab File: VN049537.D
 Acq: 26 Jun 2018 3:28

Tgt Ion: 56 Resp: 643
 Ion Ratio Lower Upper
 56 100
 55 56.1 57.1 85.7#

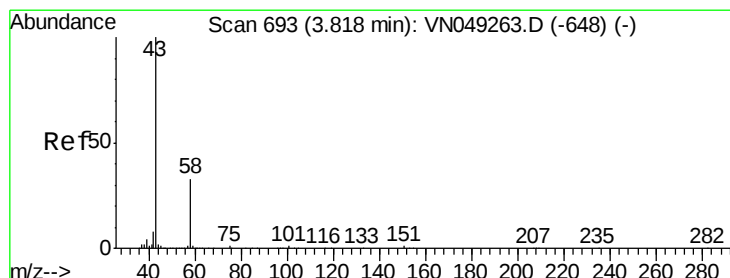
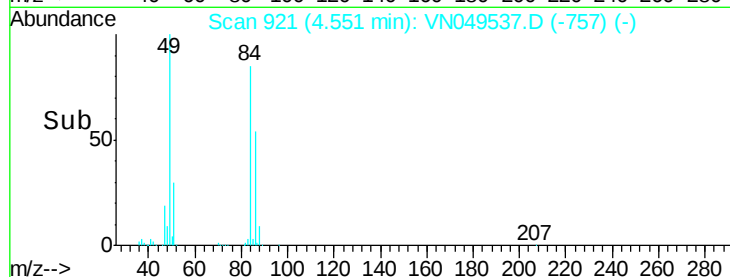
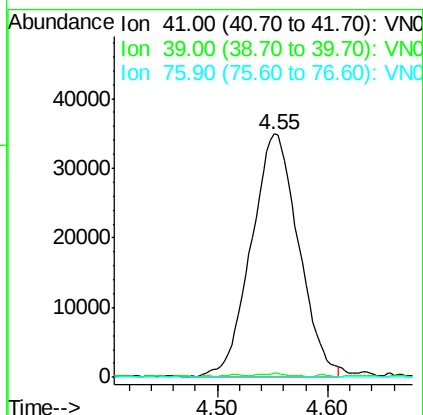
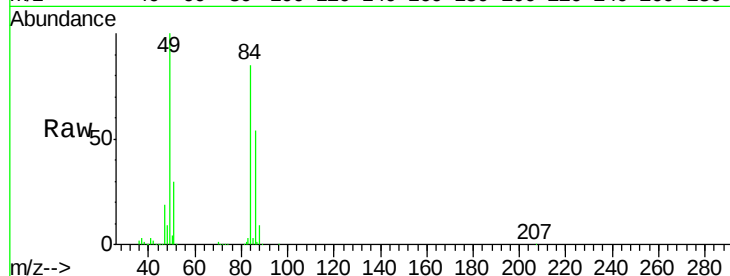




#14
Allvl chloride
Concen: 4.75 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.23 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

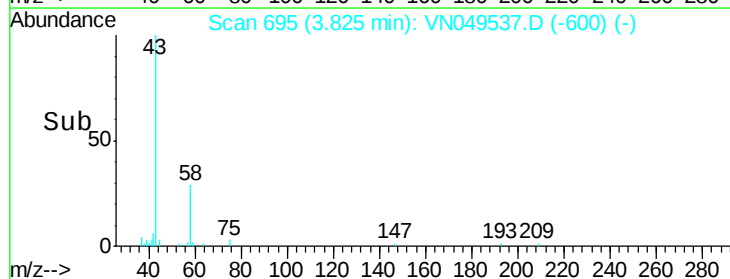
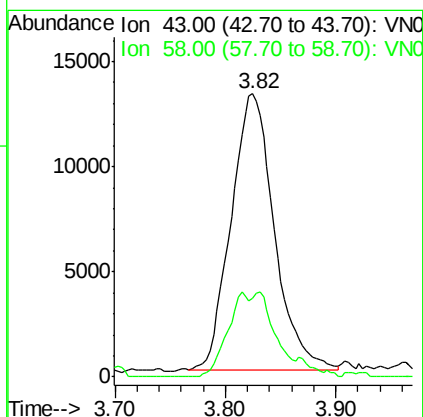
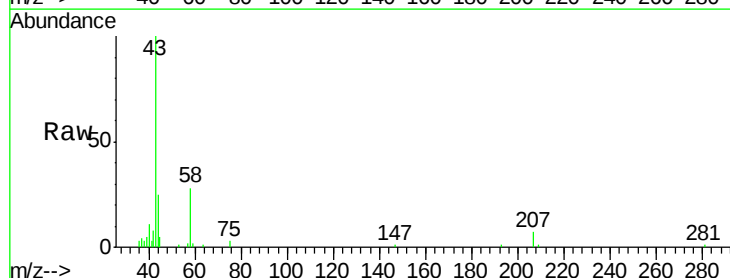
Instrument :
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ClientSampleId :
HR-06-062218-C

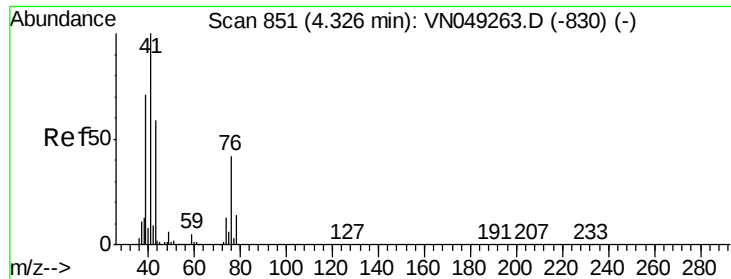
Tot Ion	Ratio	Lower	Upper
41	100		
39	1.1	62.5	93.7#
76	0.0	27.1	40.7#



#16
Acetone
Concen: 9.15 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.5	22.4	33.6

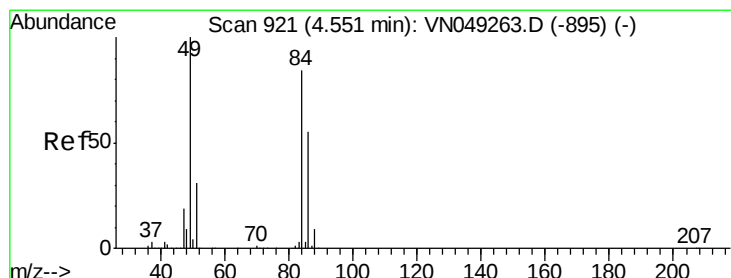
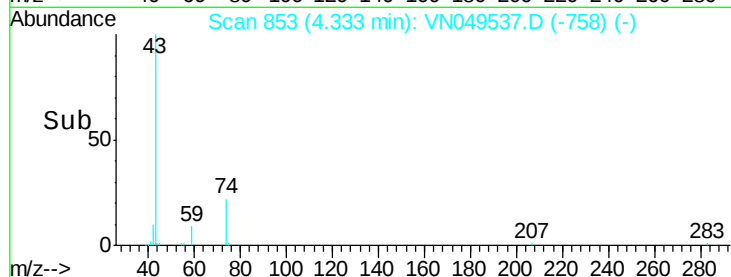
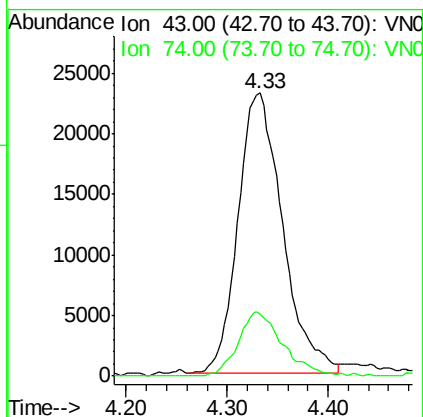
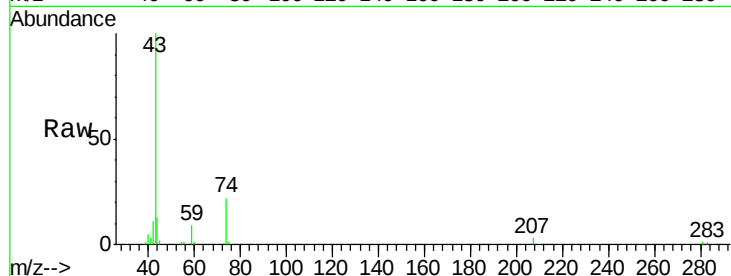




#18
Methvl Acetate
Concen: 5.95 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

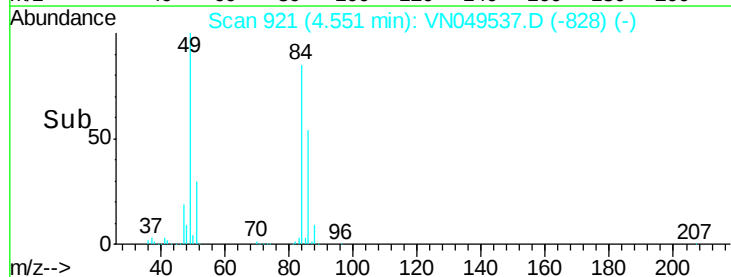
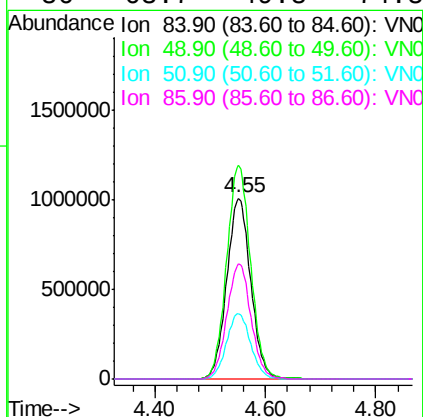
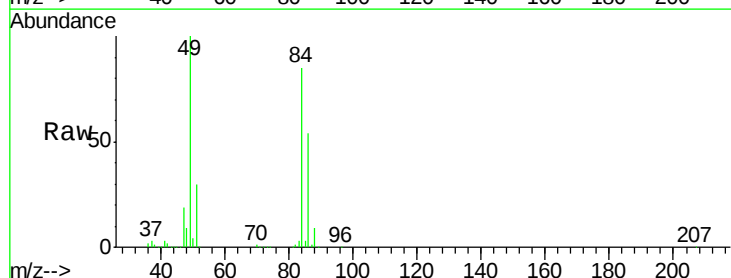
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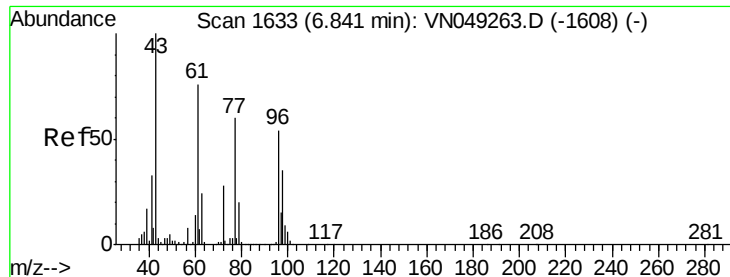
Tot Ion: 43 Resp: 70835
Ion Ratio Lower Upper
43 100
74 23.0 17.4 26.0



#20
Methylene Chloride
Concen: 186.86 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

Tgt Ion: 84 Resp: 3048001
Ion Ratio Lower Upper
84 100
49 118.2 106.9 160.3
51 36.0 32.7 49.1
86 63.7 49.8 74.8

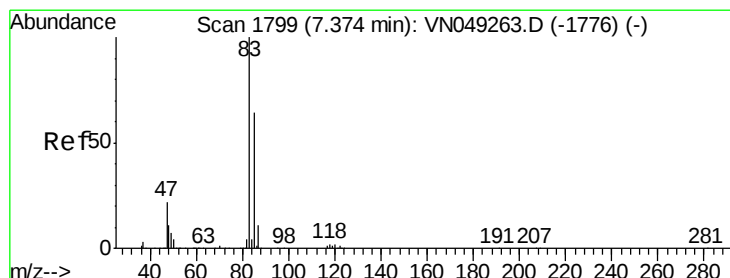
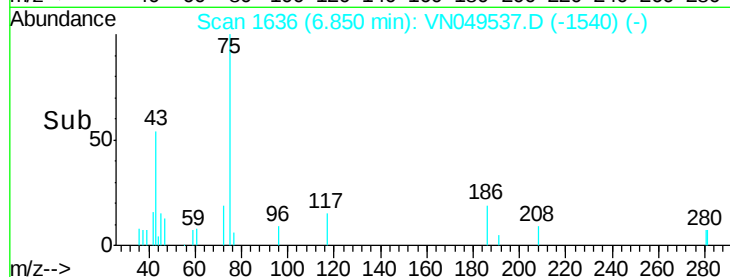
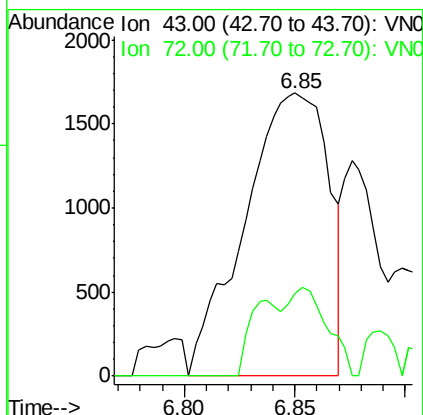
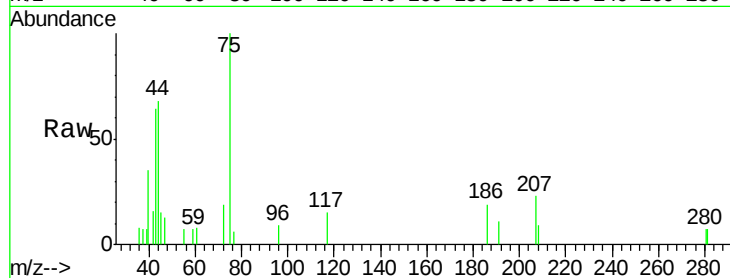




#25
2-Butanone
Concen: 0.85 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

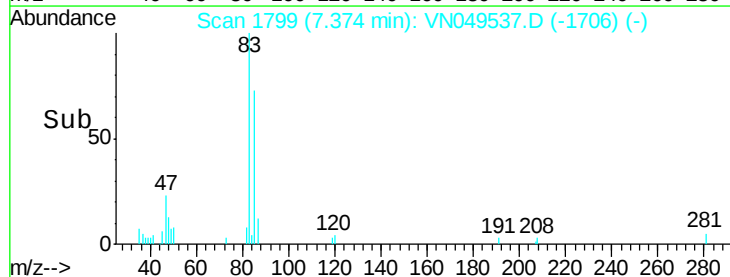
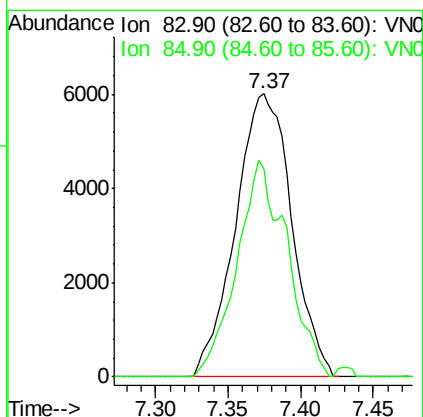
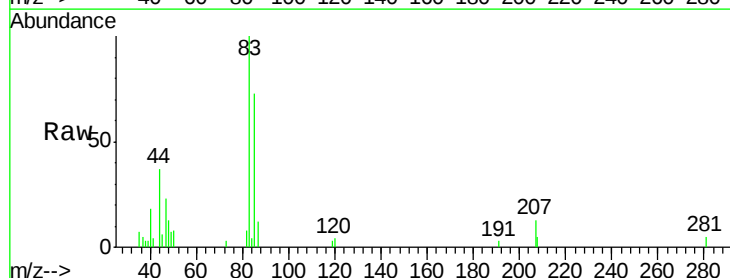
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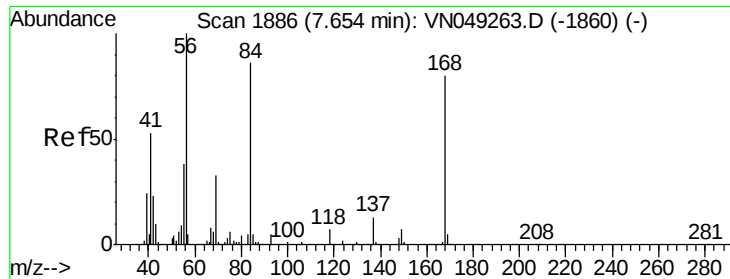
Tot Ion: 43 Resp: 4439
Ion Ratio Lower Upper
43 100
72 29.3 20.2 30.2



#30
Chloroform
Concen: 0.58 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

Tgt Ion: 83 Resp: 16183
Ion Ratio Lower Upper
83 100
85 73.4 51.7 77.5

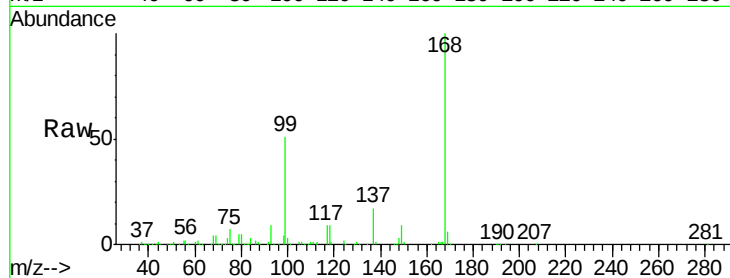




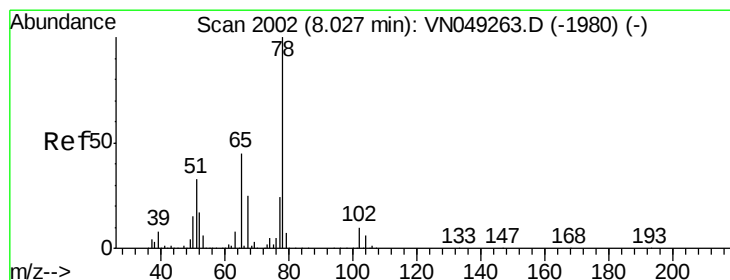
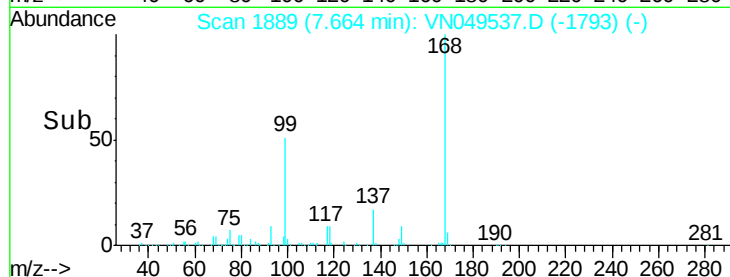
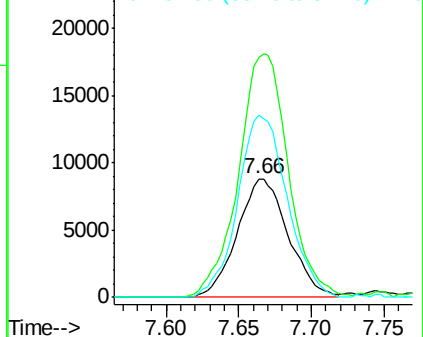
#31
Cyclohexane
Concen: 0.73 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

Instrument :
MSVOA_N
ClientSampleId :
HR-06-062218-C

Tot Ion: 56 Resp: 21524
Ion Ratio Lower Upper
56 100
69 200.8 25.0 37.4#
84 153.4 64.6 96.8#

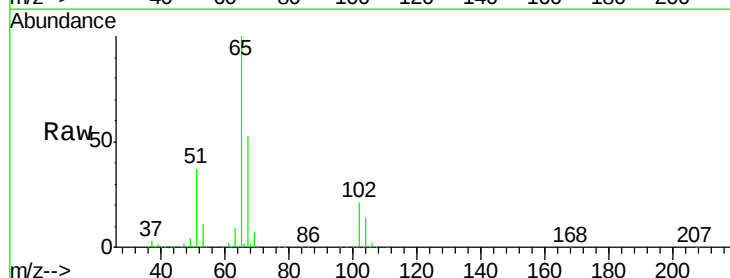


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

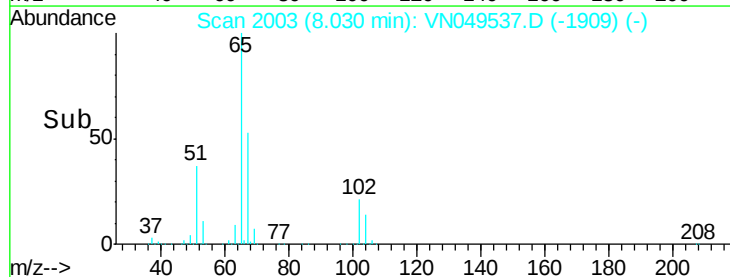
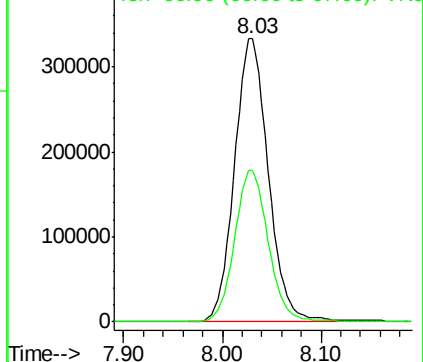


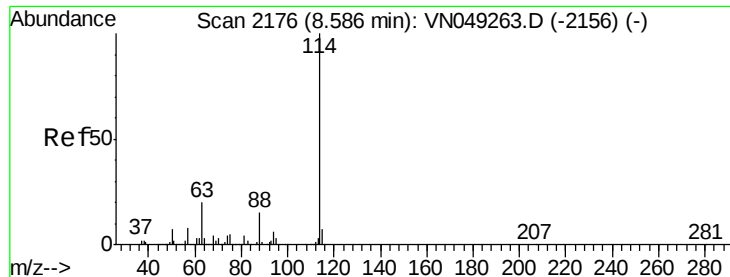
#33
1,2-Dichloroethane-d4
Concen: 49.23 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

Tgt Ion: 65 Resp: 791949
Ion Ratio Lower Upper
65 100
67 53.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

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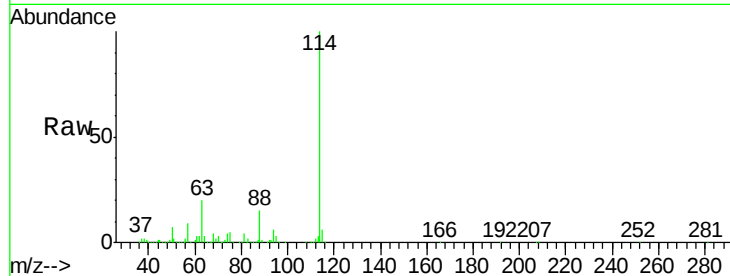
Tot Ion:114 Resp: 1904409

Ion Ratio Lower Upper

114 100

63 19.7 0.0 44.4

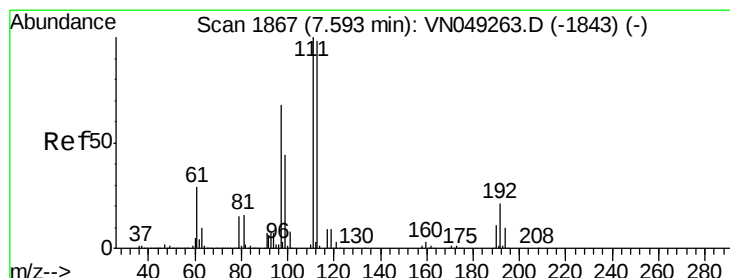
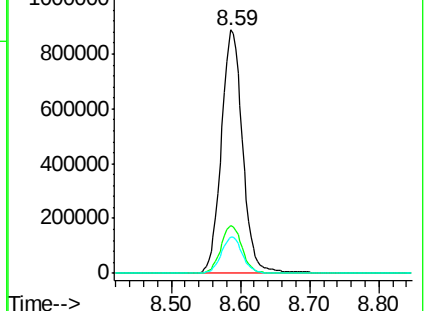
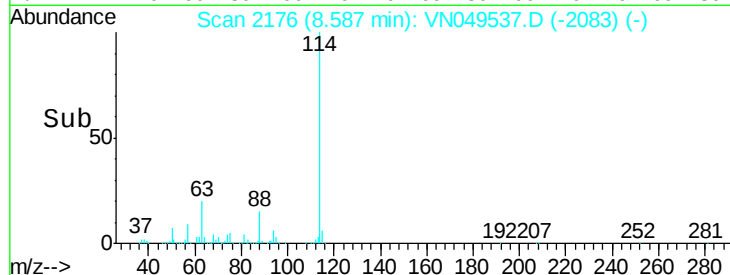
88 14.9 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 46.81 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

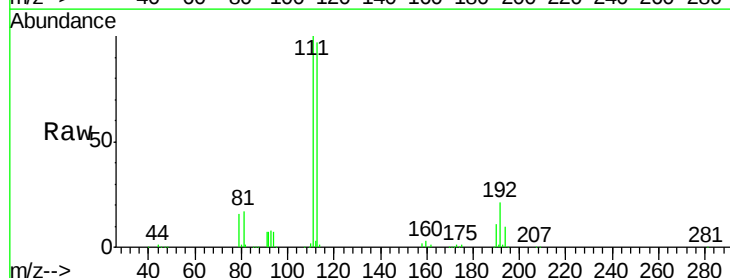
Tgt Ion:113 Resp: 721197

Ion Ratio Lower Upper

113 100

111 102.8 82.4 123.6

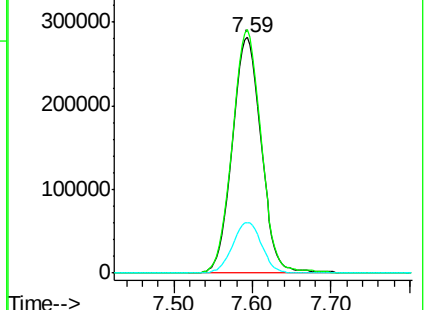
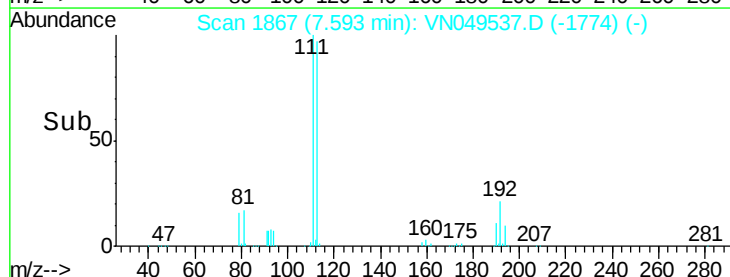
192 21.7 15.0 22.6

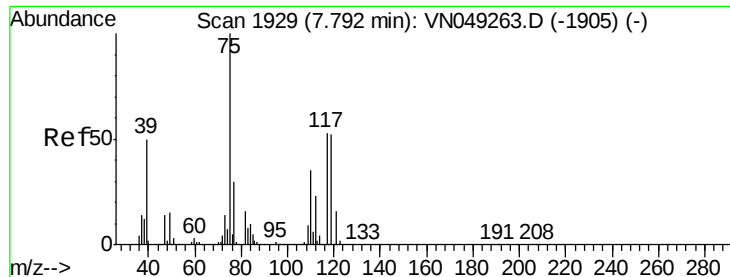


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.83 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

HR-06-062218-C

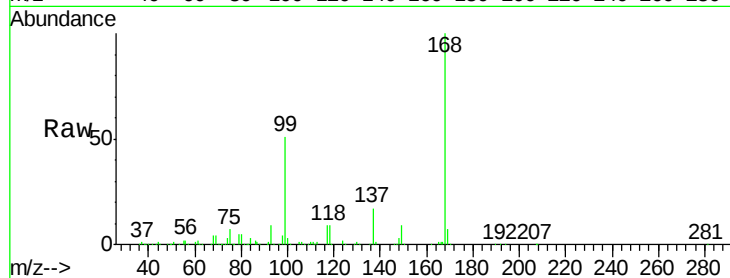
Tot Ion: 75 Resp: 83645

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

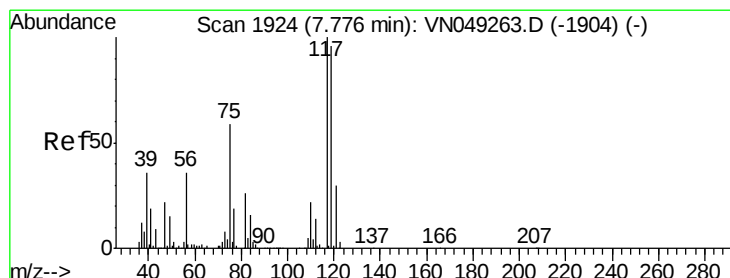
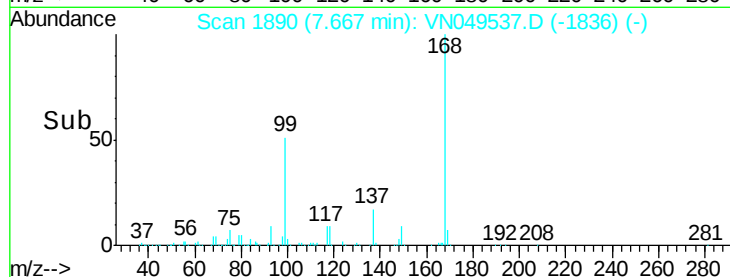
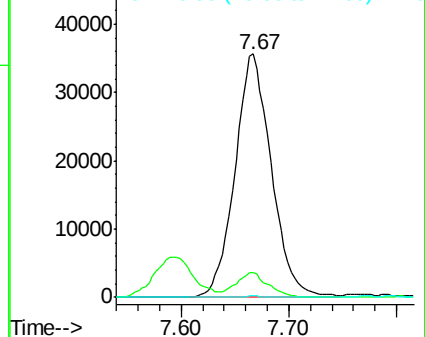
77 0.2 24.4 36.6#



Abundance Ion 74.90 (74.60 to 75.60): VN049537.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049537.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049537.D (-1836) (-)



#38

Carbon Tetrachloride

Concen: 4.82 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

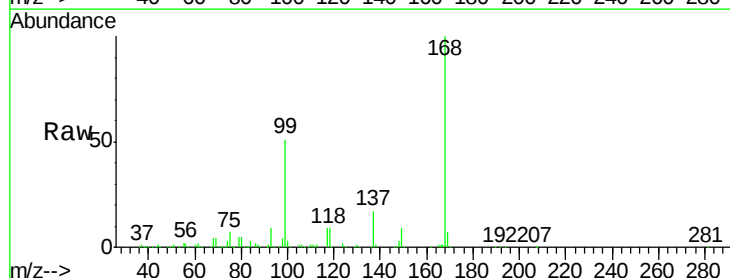
Tgt Ion: 117 Resp: 108825

Ion Ratio Lower Upper

117 100

119 5.4 75.6 113.4#

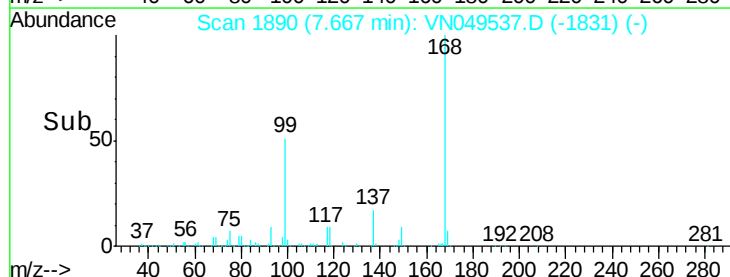
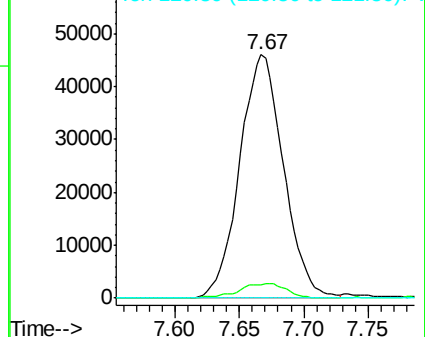
121 0.0 24.7 37.1#

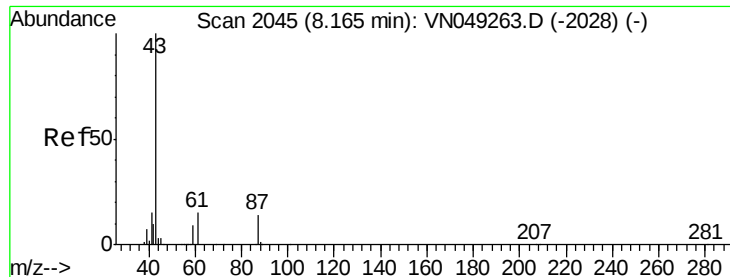


Abundance Ion 116.80 (116.50 to 117.50): VN049537.D (-1831) (-)

Ion 118.80 (118.50 to 119.50): VN049537.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049537.D (-1831) (-)





#43

Isopropyl Acetate

Concen: 5.71 ug/l

RT: 8.25 min Scan# 2070

Delta R.T. 0.08 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

HR-06-062218-C

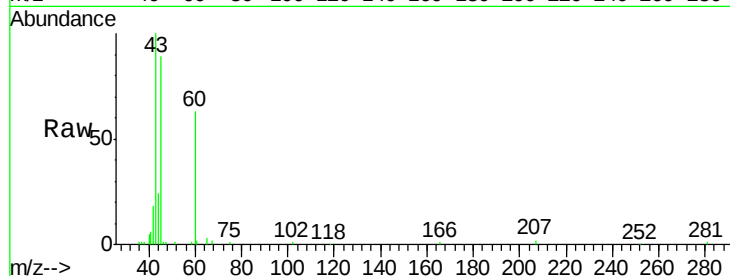
Tot Ion: 43 Resp: 129439

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

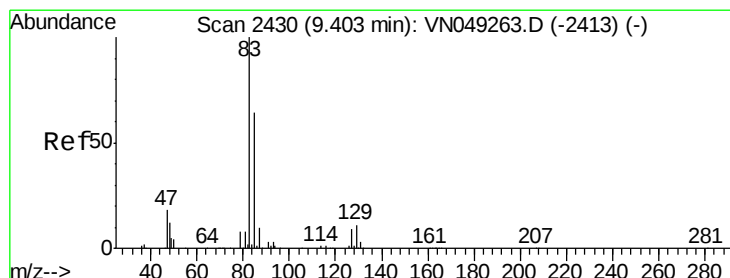
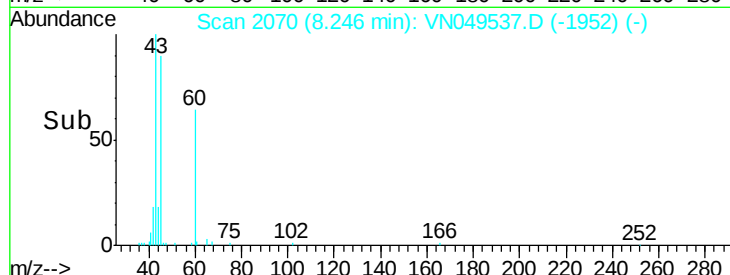
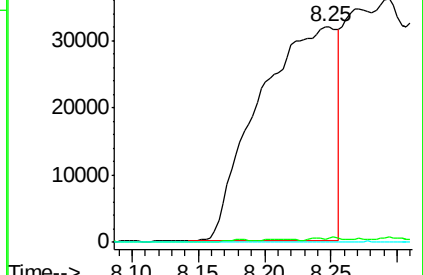
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049537.D (-1952) (-)

Ion 61.00 (60.70 to 61.70): VN049537.D (-1952) (-)

Ion 87.00 (86.70 to 87.70): VN049537.D (-1952) (-)



#47

Bromodichloromethane

Concen: 0.32 ug/l

RT: 9.40 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

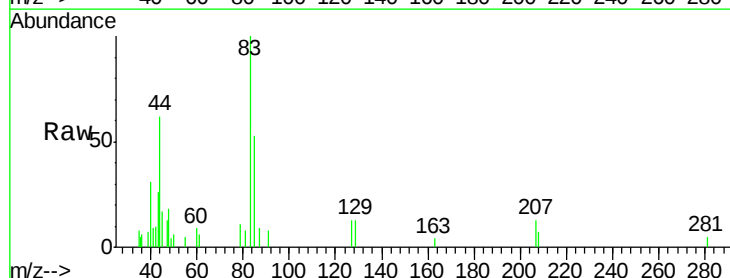
Tgt Ion: 83 Resp: 7060

Ion Ratio Lower Upper

83 100

85 53.0 49.4 74.0

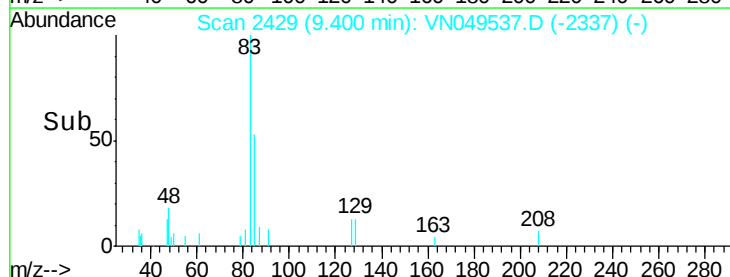
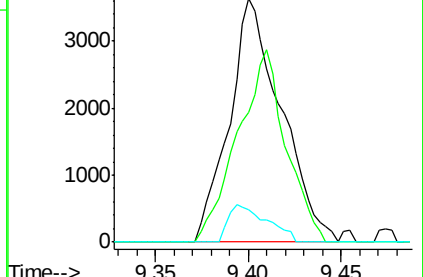
127 13.1 6.3 9.5#

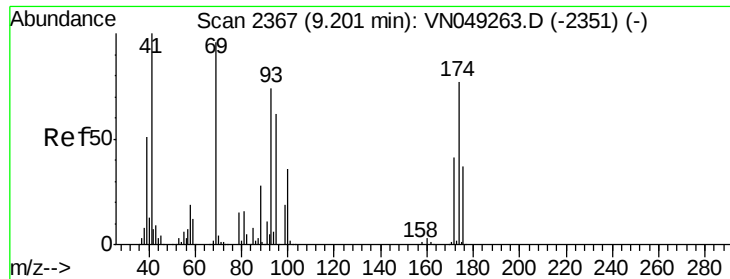


Abundance Ion 82.90 (82.60 to 83.60): VN049537.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049537.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049537.D (-2337) (-)





#49

1,4-Dioxane

Concen: 0.95 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.02 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

HR-06-062218-C

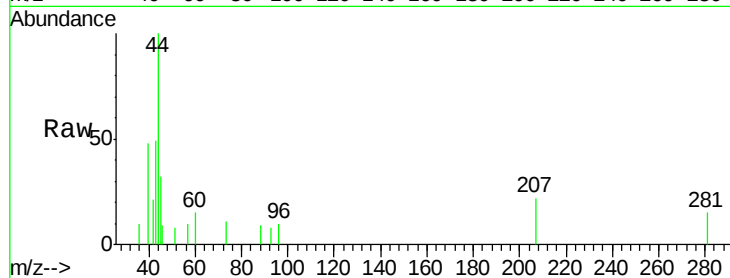
Tot Ion: 88 Resp: 140

Ion Ratio Lower Upper

88 100

43 350.0 30.9 46.3#

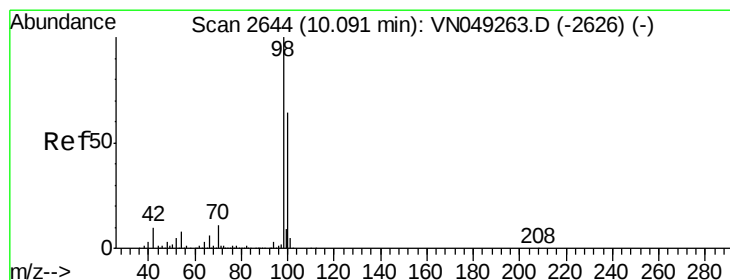
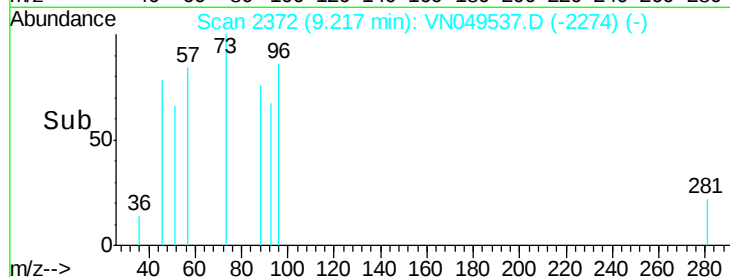
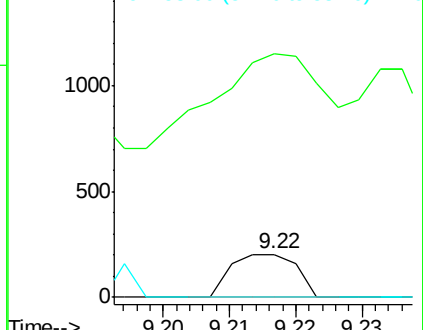
58 0.0 58.9 88.3#



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: 44.22 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049537.D

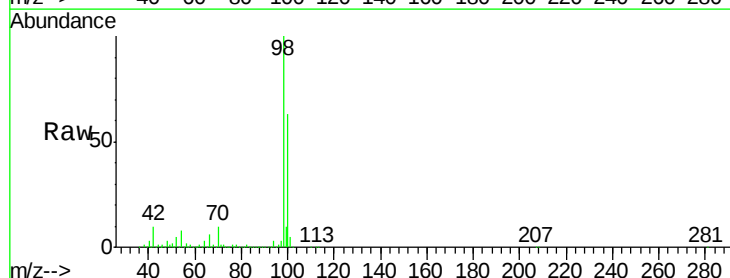
Acq: 26 Jun 2018 3:28

Tgt Ion: 98 Resp: 2594411

Ion Ratio Lower Upper

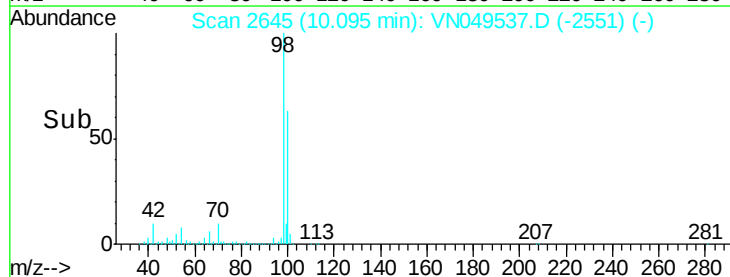
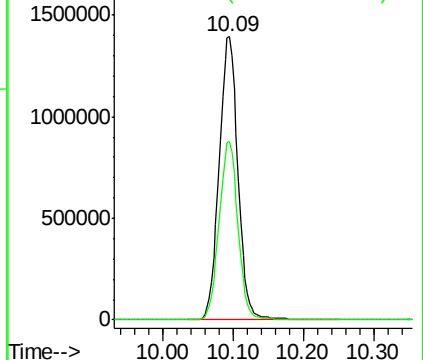
98 100

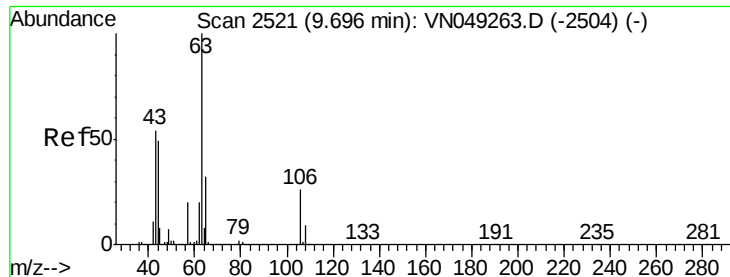
100 63.0 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

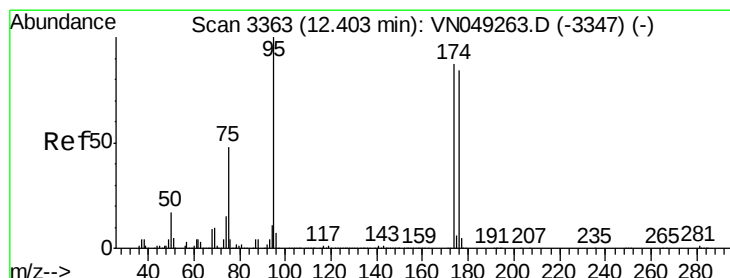
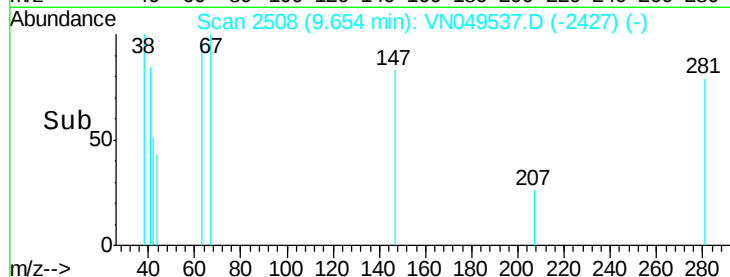
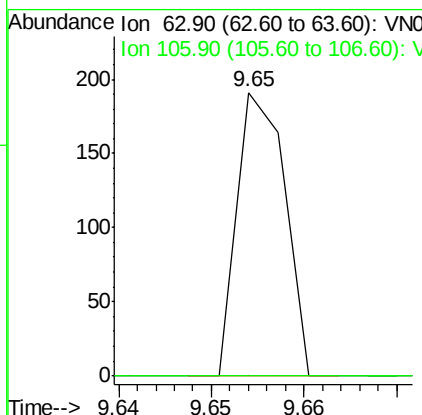
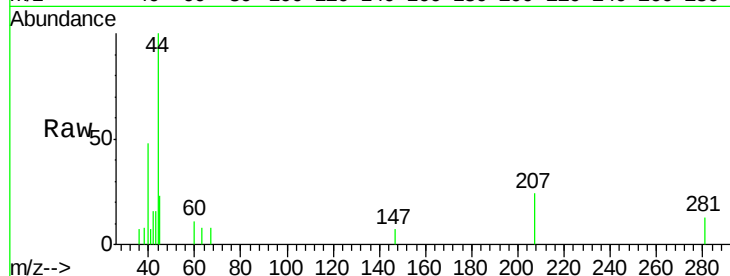




#58
 2-Chloroethyl Vinyl ether
 Concen: 14.34 ug/l
 RT: 9.65 min Scan# 2508
 Delta R.T. -0.04 min
 Lab File: VN049537.D
 Acq: 26 Jun 2018 3:28

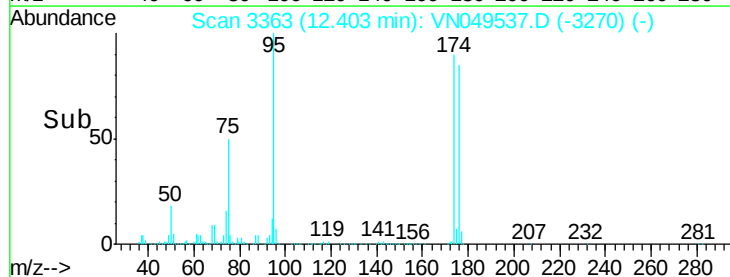
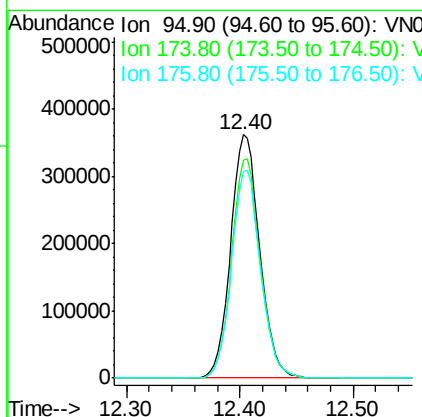
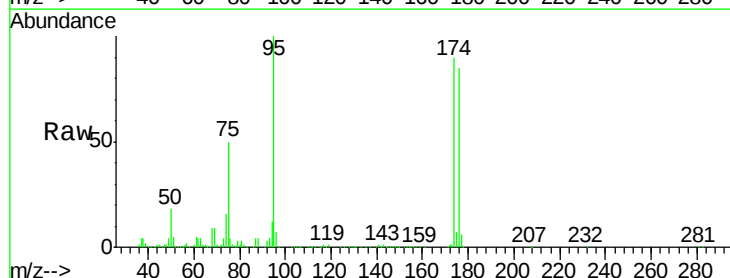
Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-062218-C

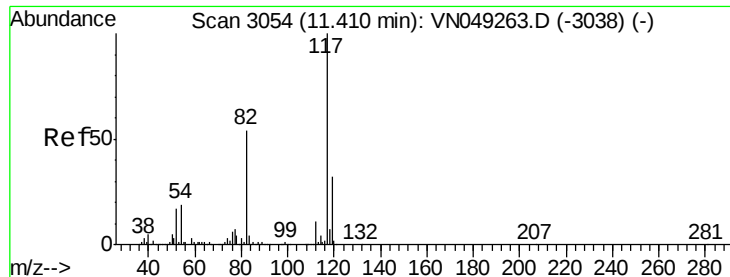
Tot Ion: 63 Resp: 69
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#62
 4-Bromofluorobenzene
 Concen: 33.30 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049537.D
 Acq: 26 Jun 2018 3:28

Tgt Ion: 95 Resp: 645942
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 165.6
 176 85.1 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: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

HR-06-062218-C

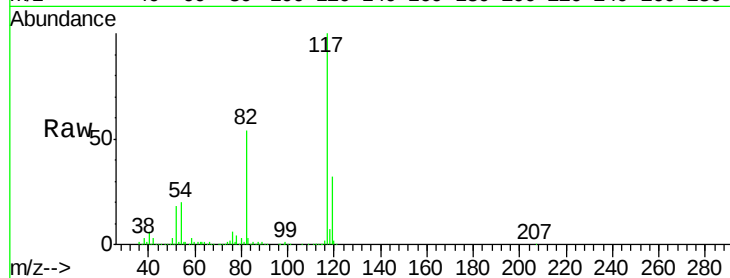
Tot Ion:117 Resp: 1562357

Ion Ratio Lower Upper

117 100

82 53.8 45.9 68.9

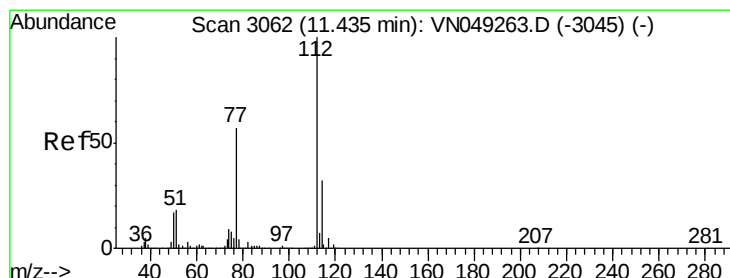
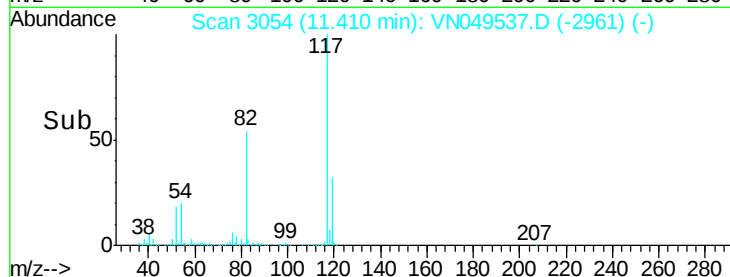
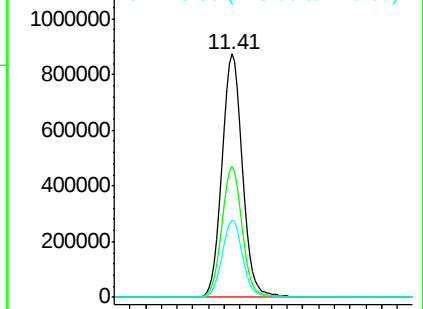
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.20 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049537.D

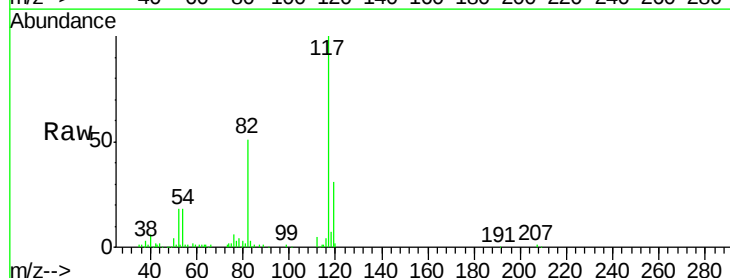
Acq: 26 Jun 2018 3:28

Tgt Ion:112 Resp: 8228

Ion Ratio Lower Upper

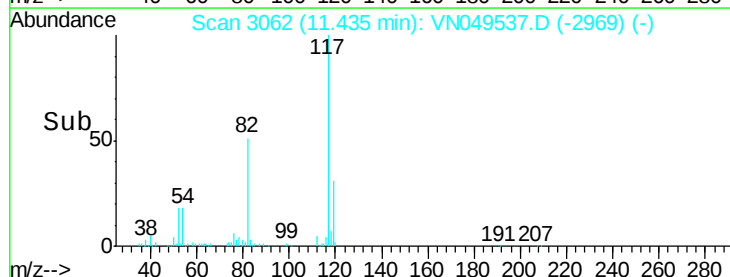
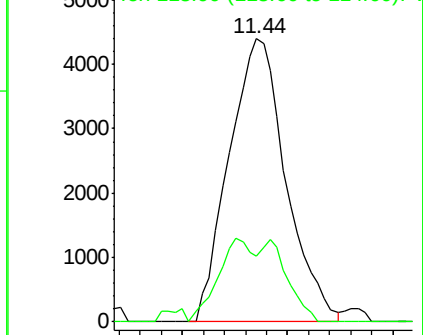
112 100

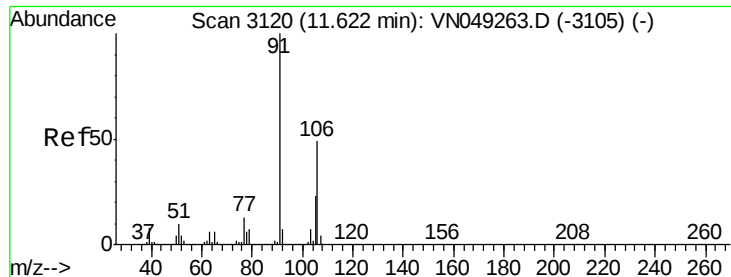
114 23.4 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

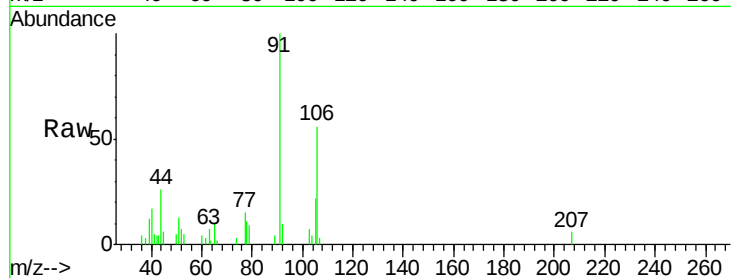




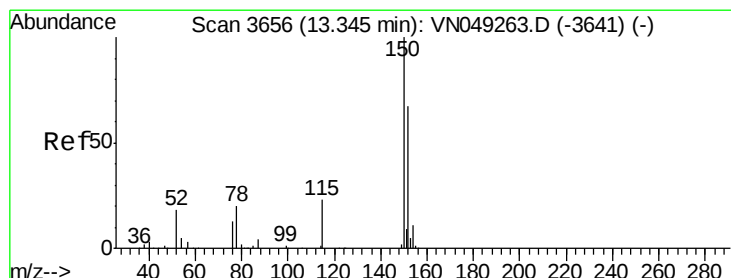
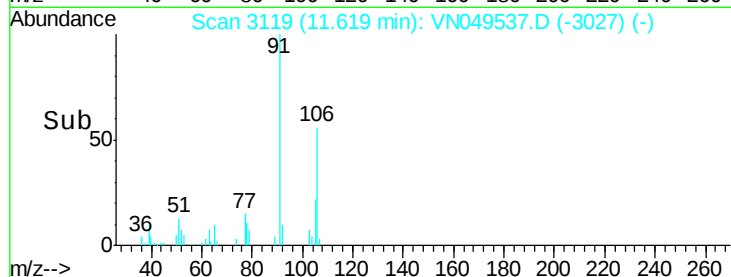
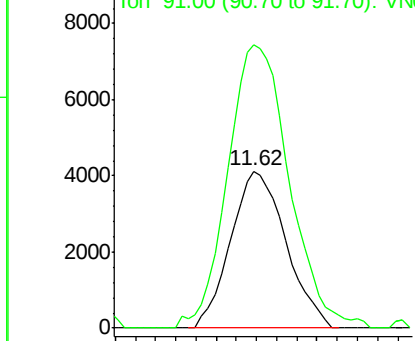
#68
m/p-Xvlenes
Concen: 0.31 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

Instrument :
MSVOA_N
ClientSampleId :
HR-06-062218-C

Tot Ion:106 Resp: 7859
Ion Ratio Lower Upper
106 100
91 201.5 167.3 250.9

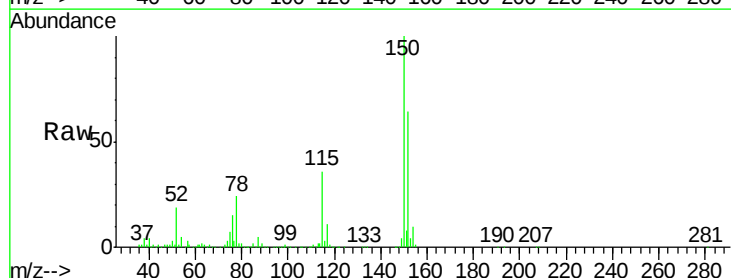


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

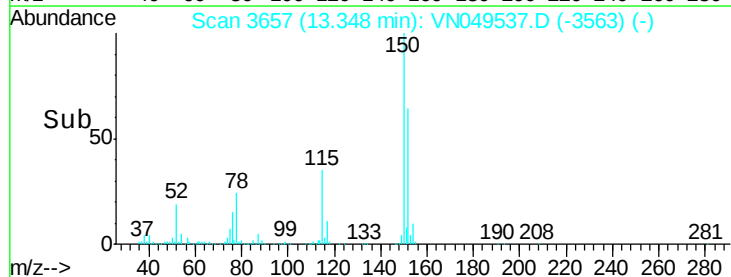
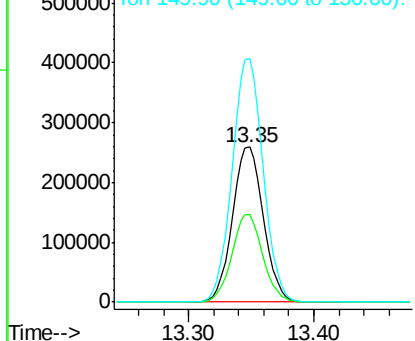


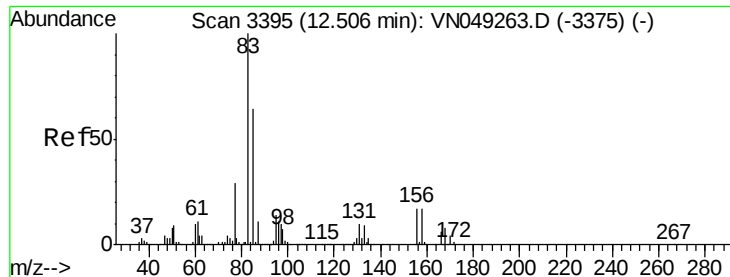
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049537.D
Acq: 26 Jun 2018 3:28

Tgt Ion:152 Resp: 442597
Ion Ratio Lower Upper
152 100
115 56.3 28.7 86.1
150 157.3 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# 3397

Delta R.T. 0.01 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

HR-06-062218-C

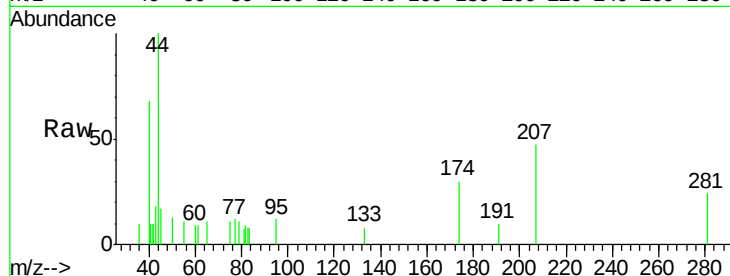
Tot Ion: 83 Resp: 193

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

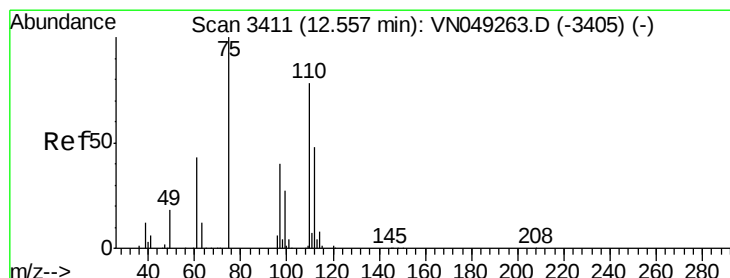
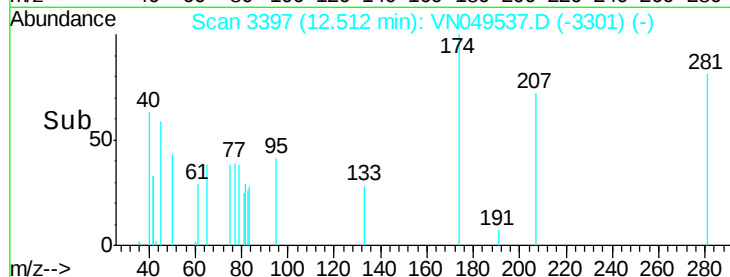
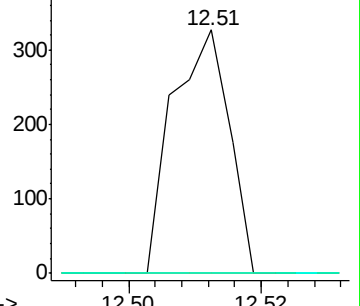
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 41.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049537.D

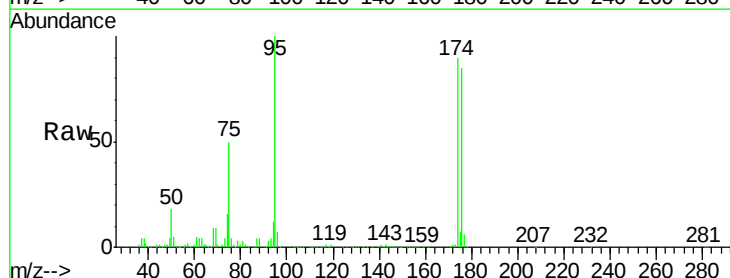
Acq: 26 Jun 2018 3:28

Tgt Ion: 75 Resp: 314482

Ion Ratio Lower Upper

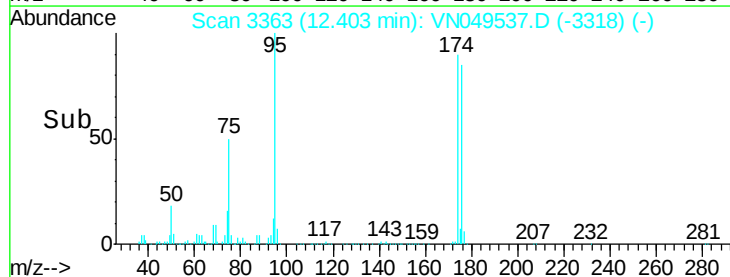
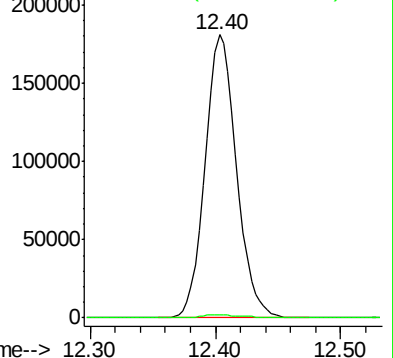
75 100

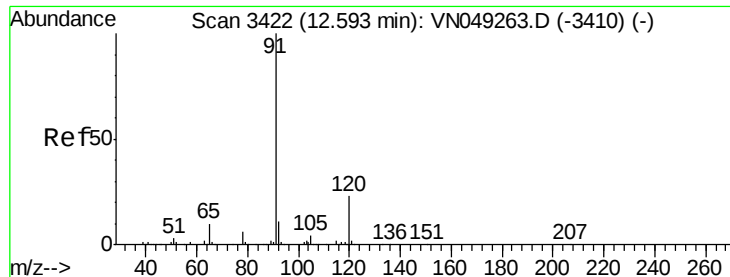
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#78

n-propylbenzene

Concen: 0.33 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

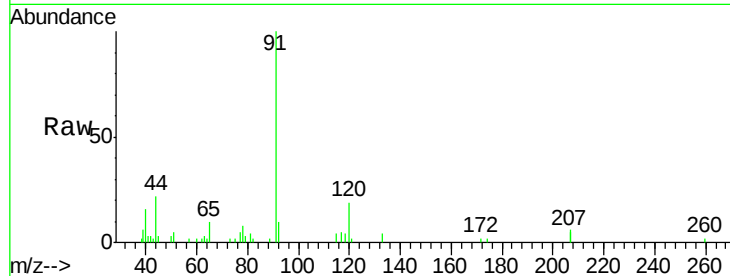
HR-06-062218-C

Tot Ion: 91 Resp: 14229

Ion Ratio Lower Upper

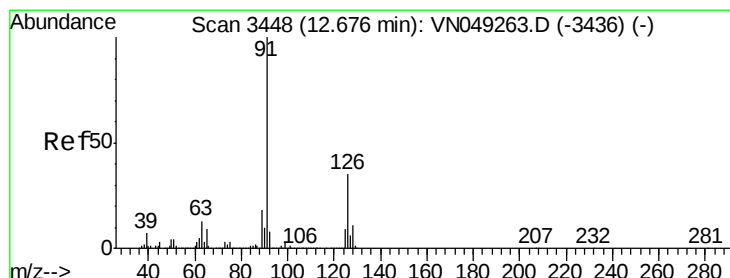
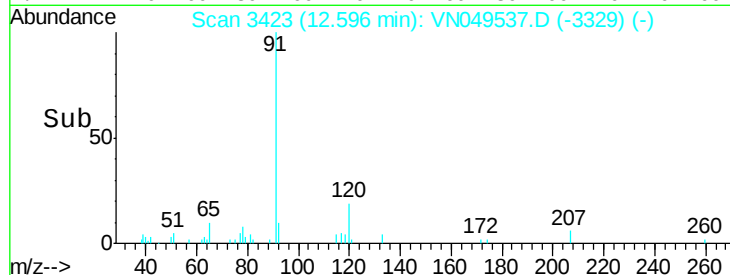
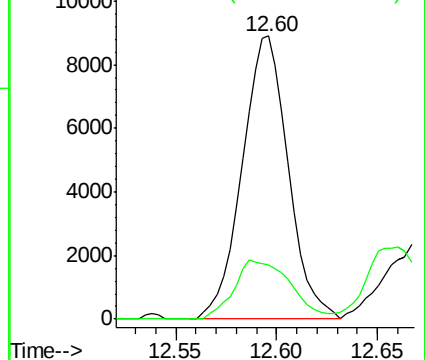
91 100

120 25.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.32 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. 0.00 min

Lab File: VN049537.D

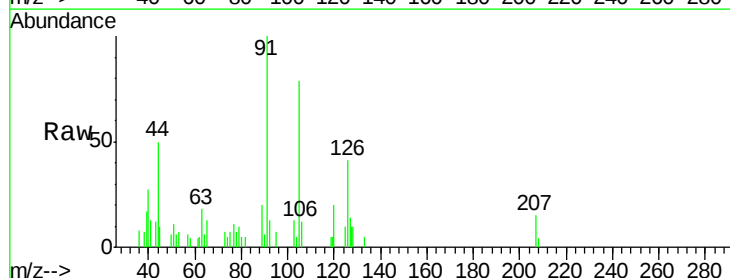
Acq: 26 Jun 2018 3:28

Tgt Ion: 91 Resp: 8614

Ion Ratio Lower Upper

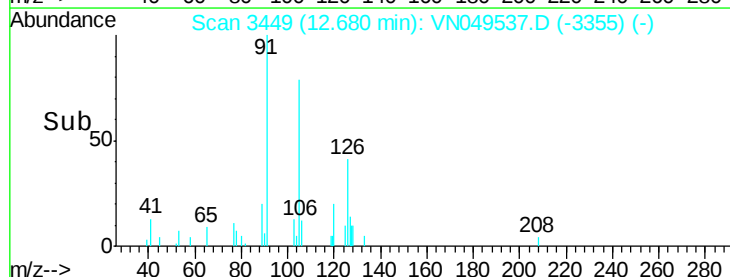
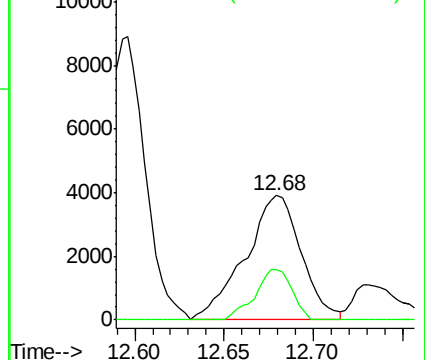
91 100

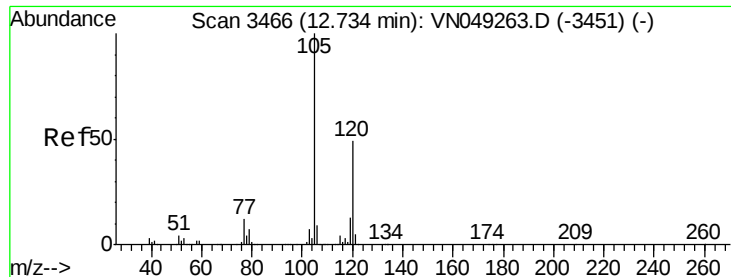
126 26.8 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 0.42 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

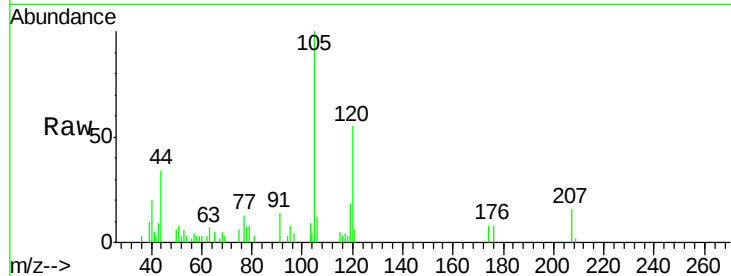
HR-06-062218-C

Tot Ion:105 Resp: 12891

Ion Ratio Lower Upper

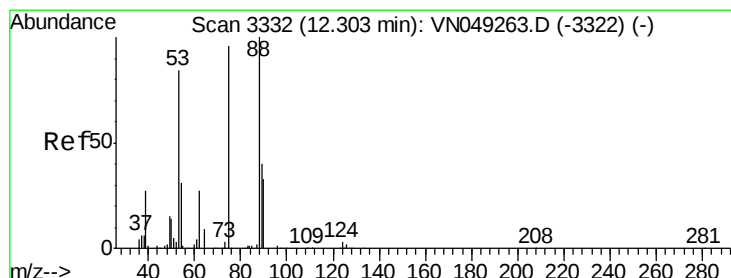
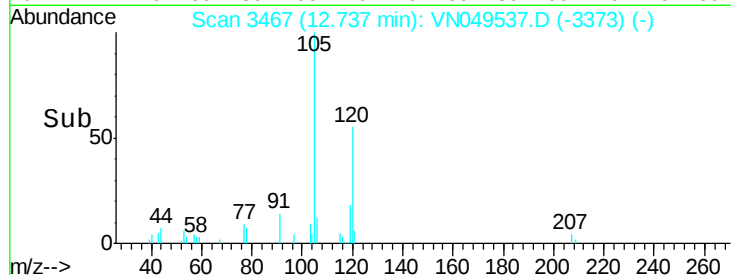
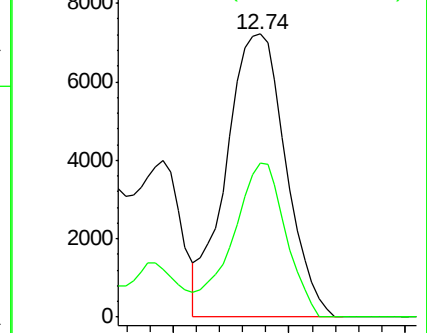
105 100

120 48.8 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: 131.61 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

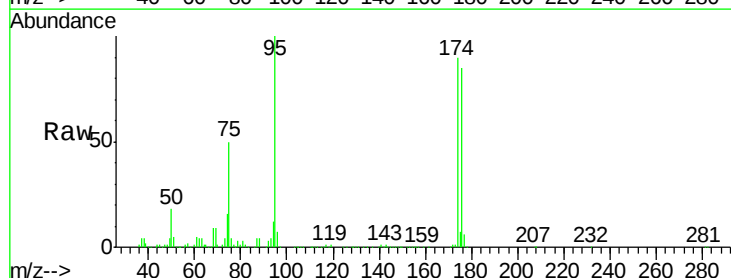
Tgt Ion: 75 Resp: 314482

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

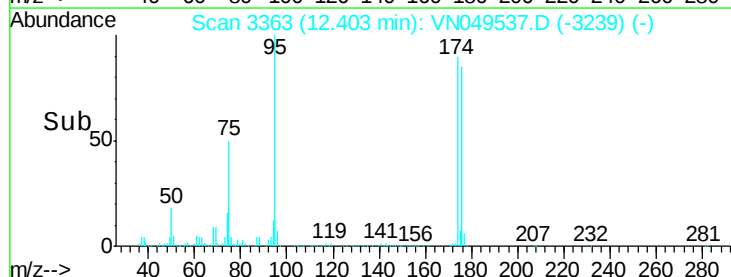
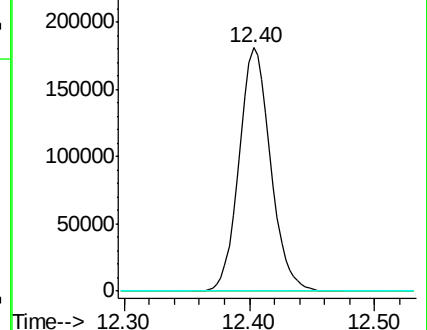
89 0.0 36.5 54.7#

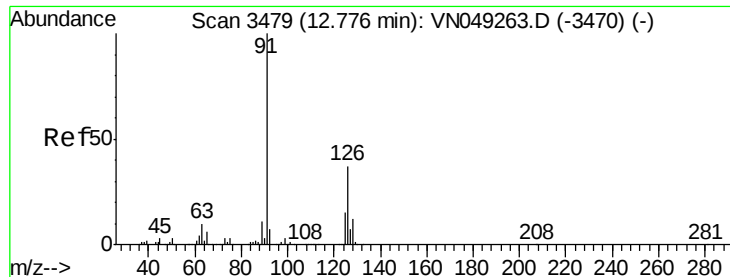


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 0.33 ug/l

RT: 12.68 min Scan# 3449

Delta R.T. -0.10 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

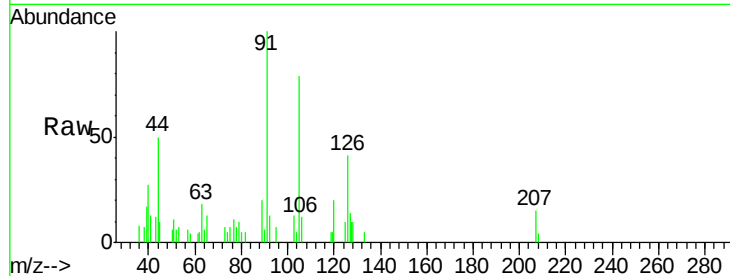
HR-06-062218-C

Tot Ion: 91 Resp: 8614

Ion Ratio Lower Upper

91 100

126 26.8 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3470) (-)

Ion 125.90 (125.60 to 126.60): VN049263.D (-3470) (-)

10000

8000

6000

4000

2000

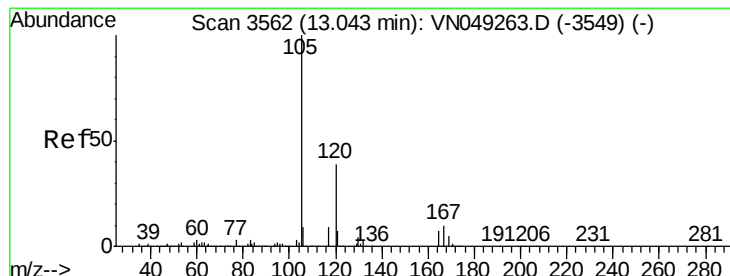
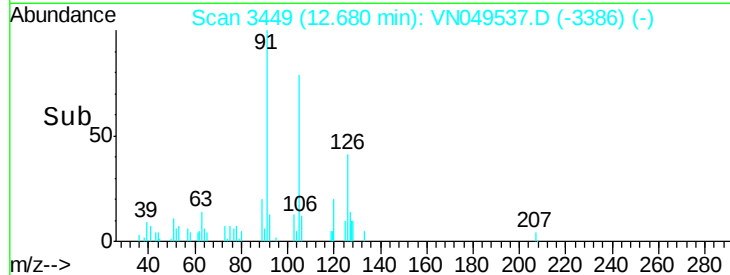
0

12.60

12.65

12.70

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.92 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049537.D

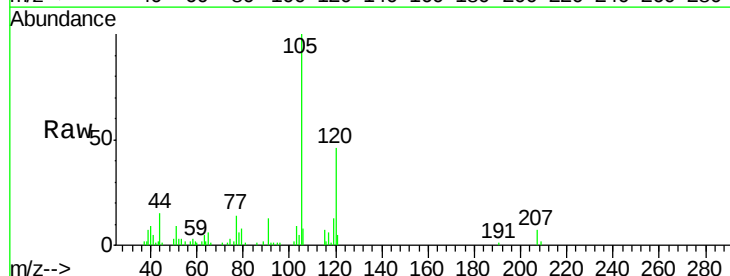
Acq: 26 Jun 2018 3:28

Tgt Ion: 105 Resp: 27912

Ion Ratio Lower Upper

105 100

120 42.4 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3549) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3549) (-)

15000

10000

5000

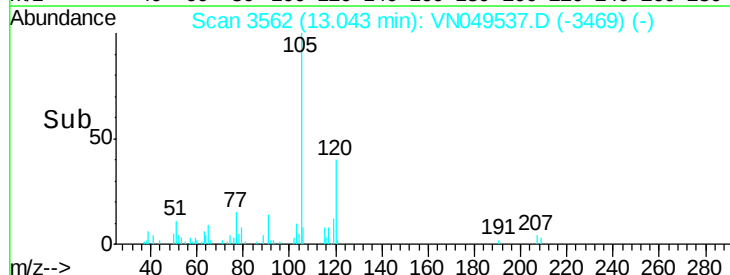
0

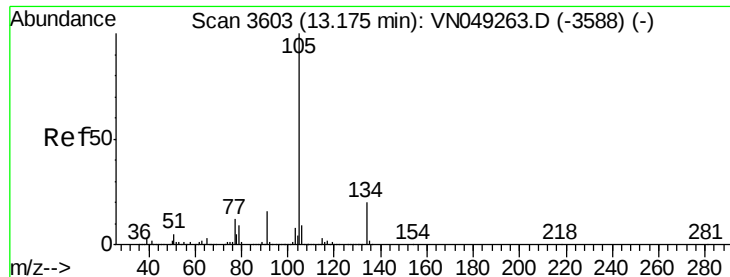
13.00

13.05

13.10

Time-->





#85

sec-Butylbenzene

Concen: 0.24 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

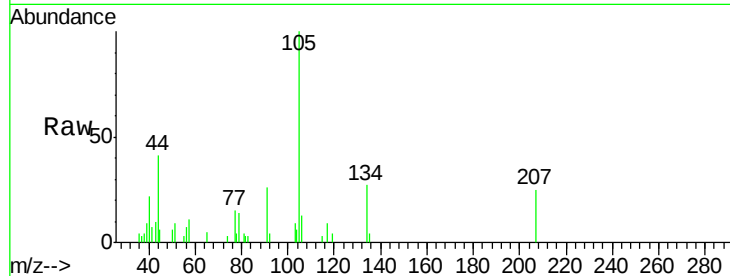
HR-06-062218-C

Tot Ion:105 Resp: 8552

Ion Ratio Lower Upper

105 100

134 27.6 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

6000

5000

4000

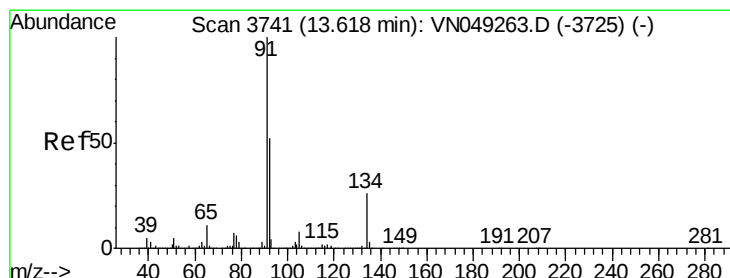
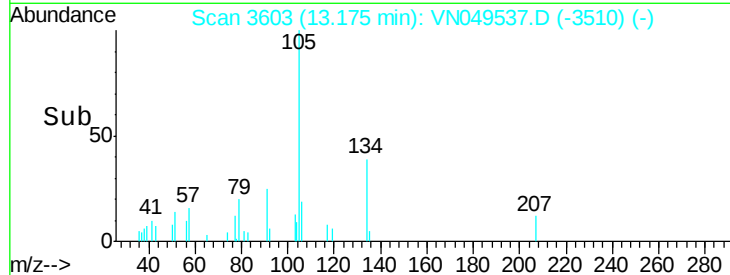
3000

2000

1000

0

Time-->



#89

n-Butylbenzene

Concen: 0.20 ug/l

RT: 13.62 min Scan# 3741

Delta R.T. 0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

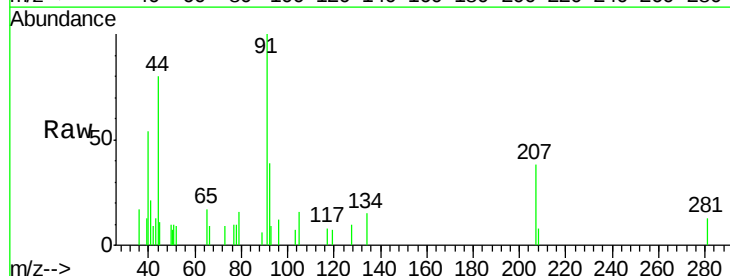
Tgt Ion: 91 Resp: 4768

Ion Ratio Lower Upper

91 100

92 41.7 25.1 75.4

134 0.0 12.0 36.0#



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V

3000

2500

2000

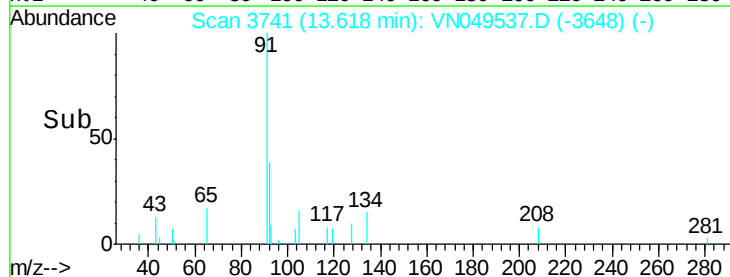
1500

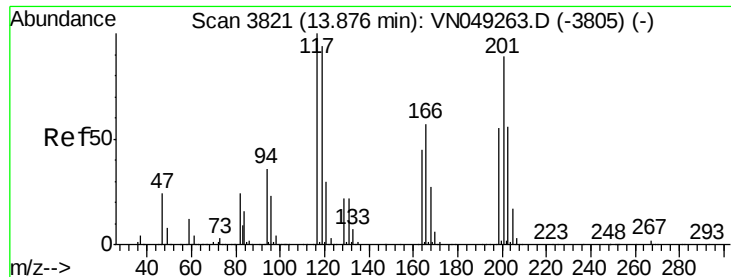
1000

500

0

Time-->





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

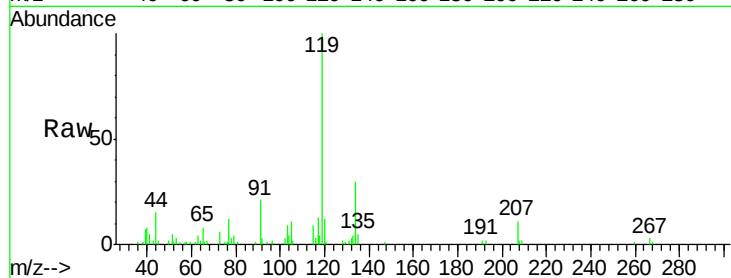
HR-06-062218-C

Tot Ion:117 Resp: 2684

Ion Ratio Lower Upper

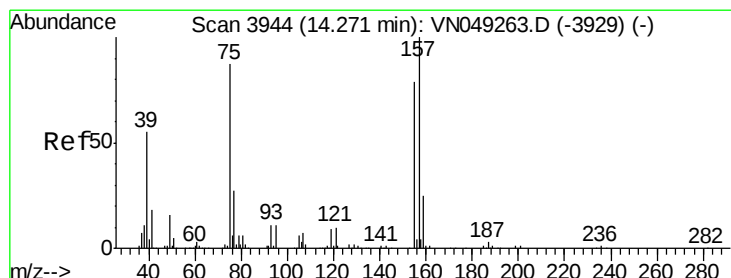
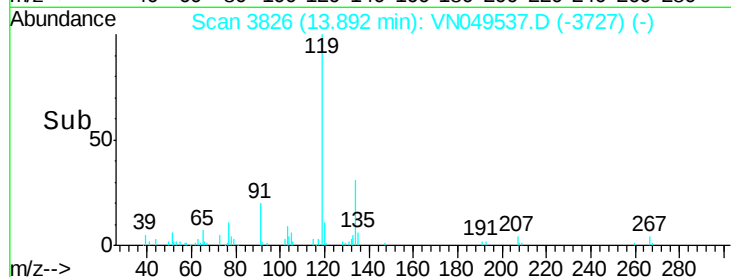
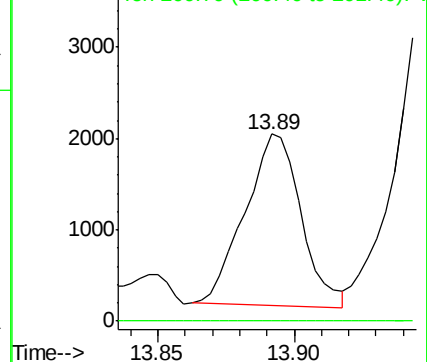
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.27 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

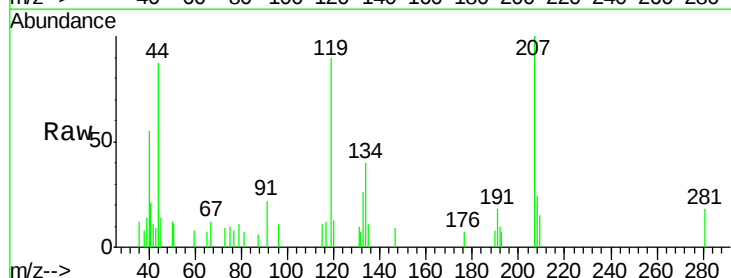
Tgt Ion: 75 Resp: 361

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

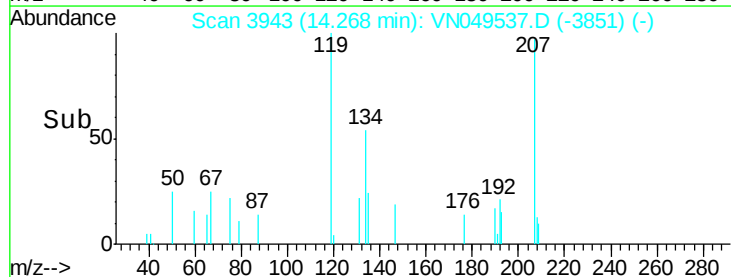
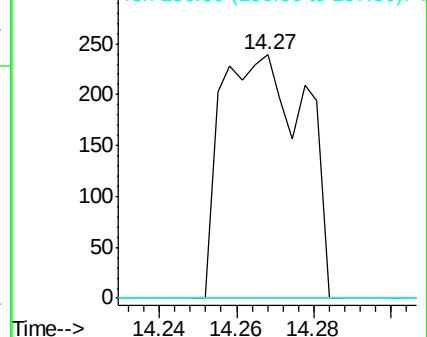
157 0.0 51.0 153.1#

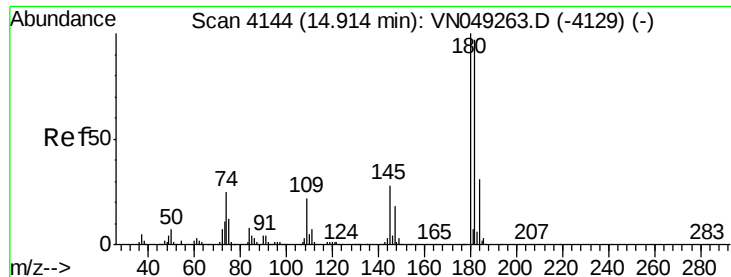


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

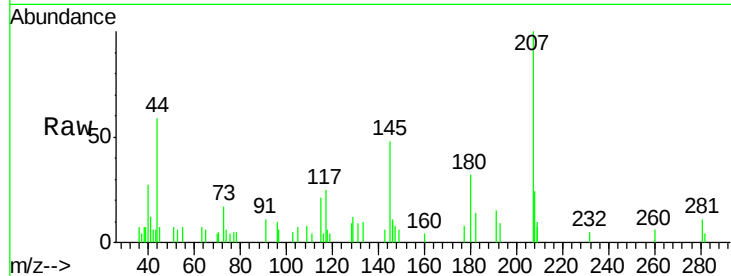




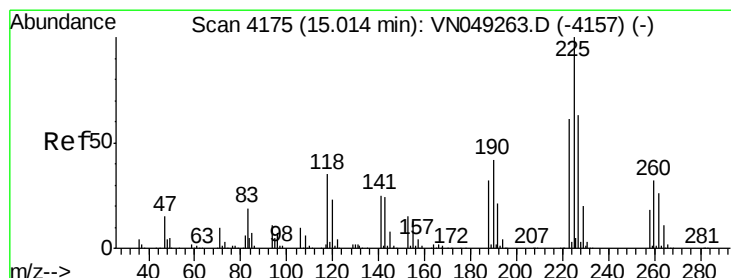
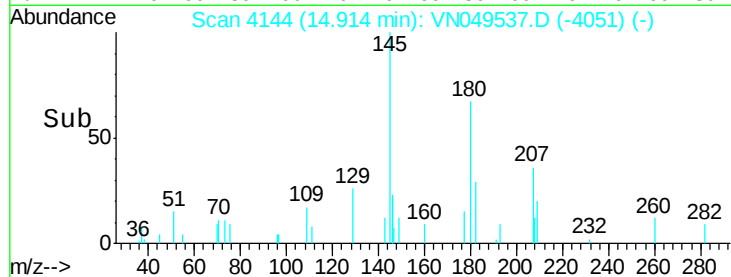
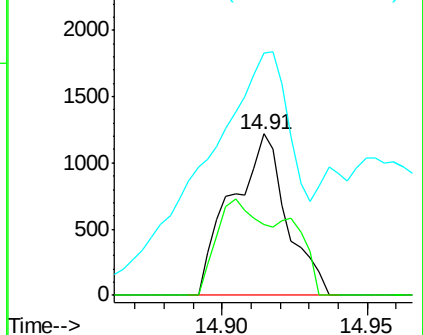
#93
 1,2,4-Trichlorobenzene
 Concen: 4.93 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049537.D
 Acq: 26 Jun 2018 3:28

Instrument :
 MSVOA_N
 ClientSampleId :
 HR-06-062218-C

Tot Ion:180 Resp: 1611
 Ion Ratio Lower Upper
 180 100
 182 52.0 46.9 140.8
 145 210.2 14.7 44.1#

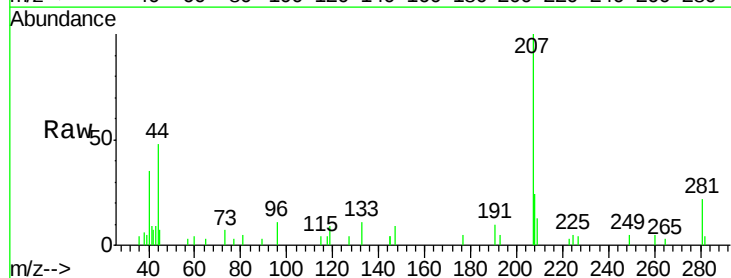


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

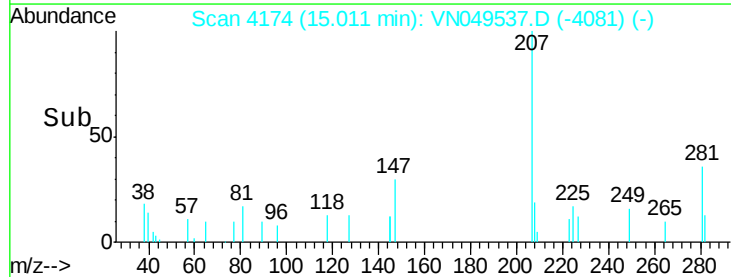
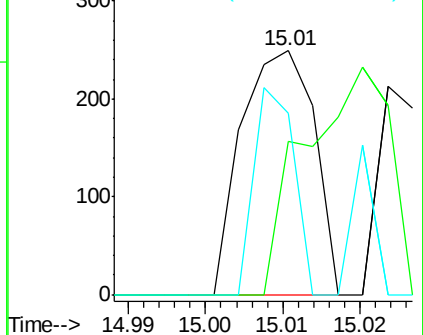


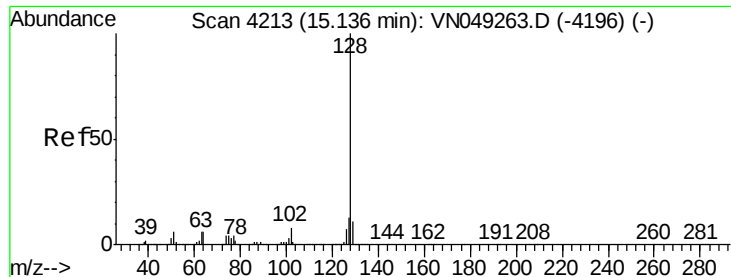
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN049537.D
 Acq: 26 Jun 2018 3:28

Tgt Ion:225 Resp: 163
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.1 96.3#
 227 47.2 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: 14.04 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

Instrument :

MSVOA_N

ClientSampleId :

HR-06-062218-C

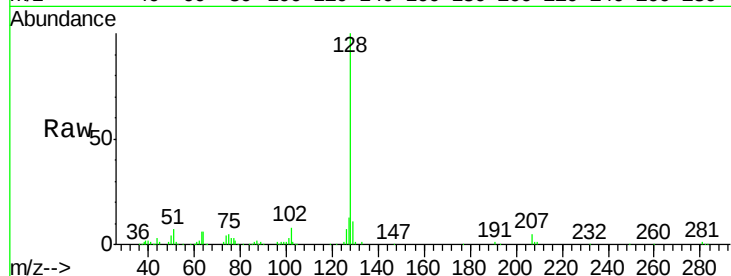
Tot Ion:128 Resp: 151825

Ion Ratio Lower Upper

128 100

127 13.0 10.6 16.0

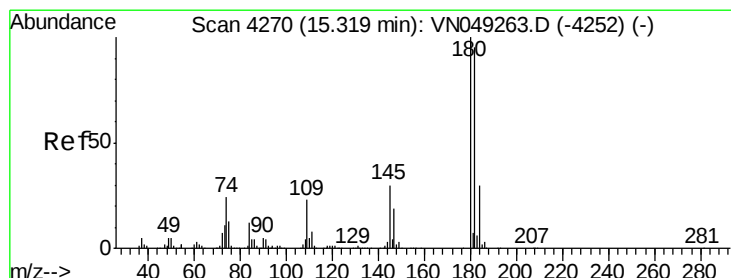
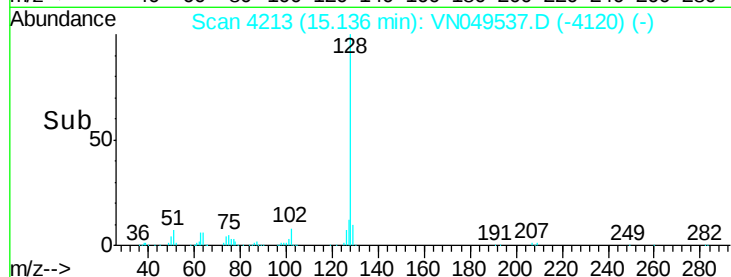
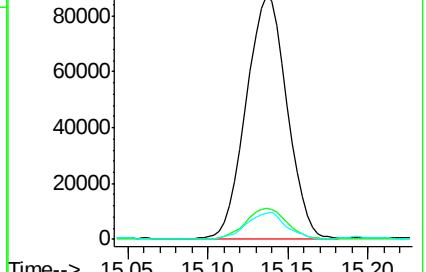
129 10.9 8.5 12.7



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: 3.63 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049537.D

Acq: 26 Jun 2018 3:28

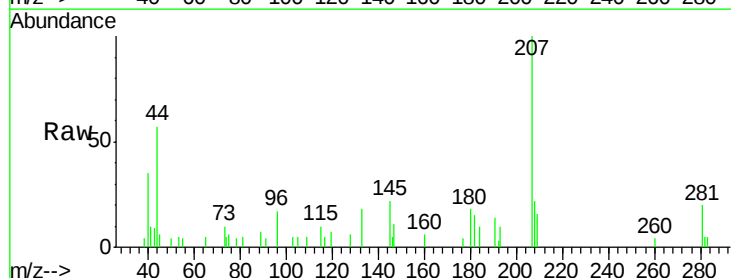
Tgt Ion:180 Resp: 1404

Ion Ratio Lower Upper

180 100

182 89.6 47.3 141.8

145 292.0 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

