

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049367.D
 Acq On : 19 Jun 2018 2:24
 Operator : MD\SY
 Sample : J3538-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 03:59:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1216181	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1930381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1576644	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	574677	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	803294	49.80	ug/l	0.00
Spiked Amount			Recovery	=	99.60%	
35) Dibromofluoromethane	7.59	113	709127	45.41	ug/l	0.00
Spiked Amount			Recovery	=	90.82%	
50) Toluene-d8	10.09	98	2592403	43.59	ug/l	0.00
Spiked Amount			Recovery	=	87.18%	
62) 4-Bromofluorobenzene	12.40	95	714545	36.34	ug/l	0.00
Spiked Amount			Recovery	=	72.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3668	0.20	ug/l	95
5) Bromomethane	2.58	94	4904	0.49	ug/l #	66
11) Tert butyl alcohol	4.79	59	959	1.01	ug/l #	70
13) Acrolein	3.61	56	248	0.25	ug/l #	1
14) Allyl chloride	4.55	41	114104	5.18	ug/l #	20
16) Acetone	3.82	43	43309	11.06	ug/l	95
18) Methyl Acetate	4.33	43	91460	7.66	ug/l	97
20) Methylene Chloride	4.55	84	3360232	205.42	ug/l	91
25) 2-Butanone	6.85	43	11939	2.27	ug/l	97
29) Tetrahydrofuran	7.23	42	2220	0.66	ug/l #	66
30) Chloroform	7.37	83	21970	0.78	ug/l	94
31) Cyclohexane	7.66	56	23979	0.83	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	83354	3.77	ug/l #	51
37) Ethyl Acetate	6.85	43	11939	0.99	ug/l #	75
38) Carbon Tetrachloride	7.67	117	106883	4.67	ug/l #	17
43) Isopropyl Acetate	8.22	43	413653	18.00	ug/l #	64
44) Trichloroethene	8.84	130	7537	0.42	ug/l	88
47) Bromodichloromethane	9.40	83	8463	0.37	ug/l	98
49) 1,4-Dioxane	9.21	88	71	0.48	ug/l #	24
51) 4-Methyl-2-Pentanone	9.99	43	7127	0.59	ug/l	91
52) Toluene	10.16	92	13097	0.33	ug/l	88
58) 2-Chloroethyl Vinyl ether	9.42	63	34	14.33	ug/l #	51
65) Chlorobenzene	11.44	112	16041	0.39	ug/l	99
67) Ethyl Benzene	11.52	91	33551	0.50	ug/l	90
68) m/p-Xylenes	11.62	106	20220	0.80	ug/l	95
69) o-Xylene	11.95	106	13724	0.56	ug/l	89
73) Isopropylbenzene	12.25	105	20010	0.40	ug/l	96
74) N-amyl acetate	12.05	43	2710	0.22	ug/l #	51
75) 1,1,2,2-Tetrachloroethane	12.51	83	193	Below	Cal #	67
76) 1,2,3-Trichloropropane	12.40	75	343516	35.03	ug/l #	100
78) n-propylbenzene	12.60	91	42525	0.77	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	17576	0.44	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	343516	110.72	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.04	105	49734	1.26	ug/l	99

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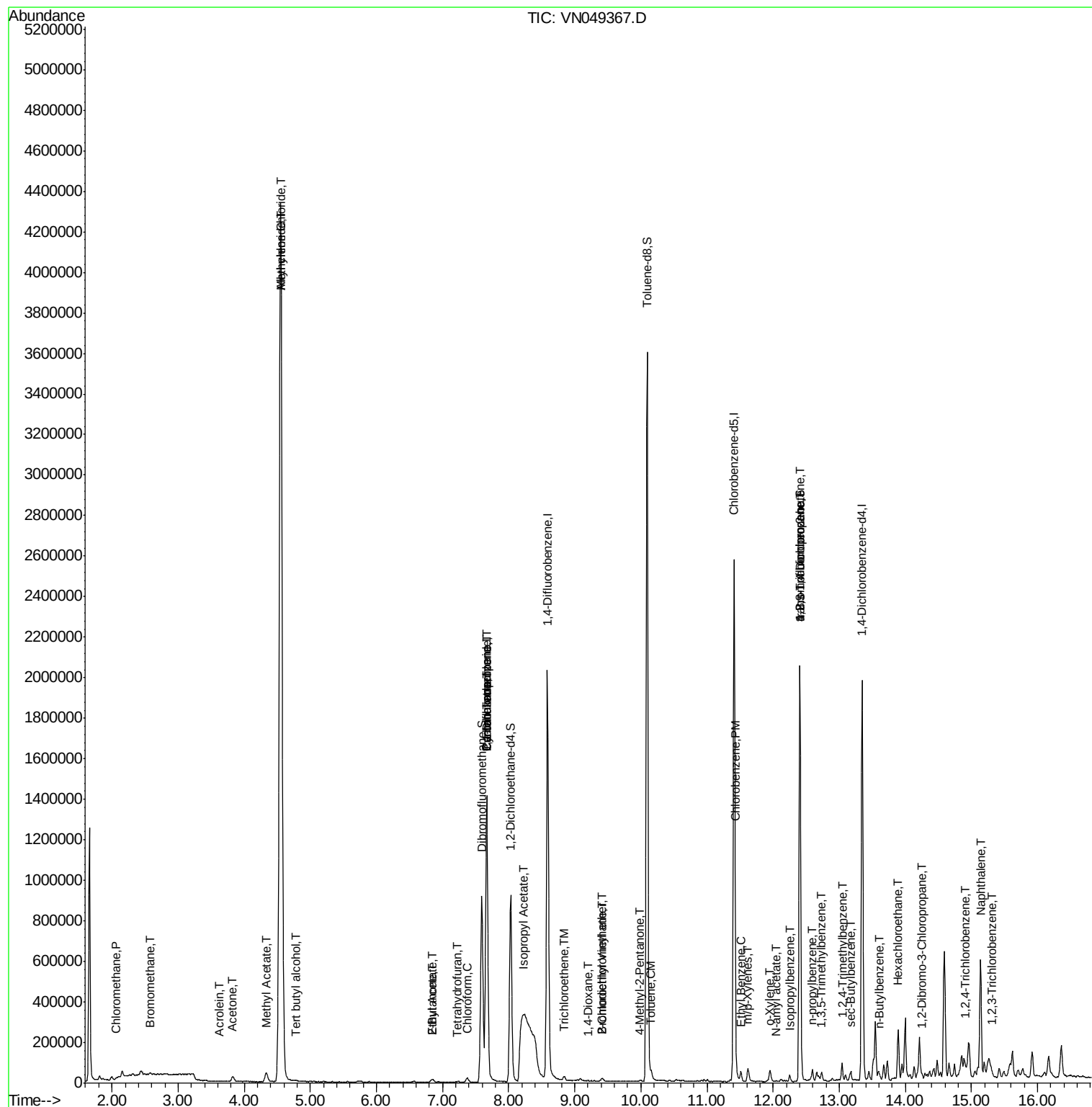
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.17	105	26497	0.57	ug/l #	77
89) n-Butylbenzene	13.62	91	13126	0.43	ug/l #	56
90) Hexachloroethane	13.89	117	15129	0.36	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	424	0.24	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	3149	5.03	ug/l #	1
94) Hexachlorobutadiene	15.02	225	505	Below Cal	#	28
95) Naphthalene	15.14	128	519448	32.00	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1682	3.62	ug/l #	1

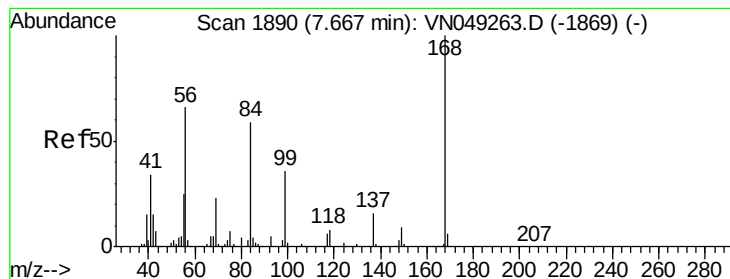
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

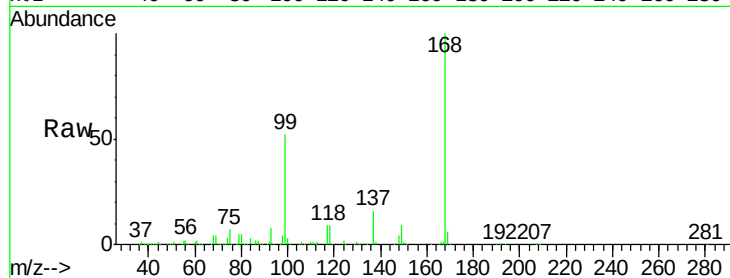
ClientSampleId :

Tot Ion:168 Resp: 1216181

Ion Ratio Lower Upper

168 100

99 52.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNC

7.67

500000

400000

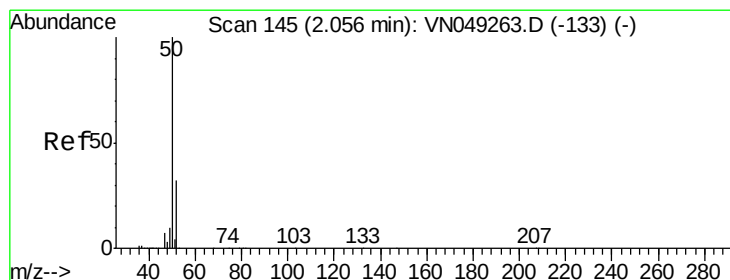
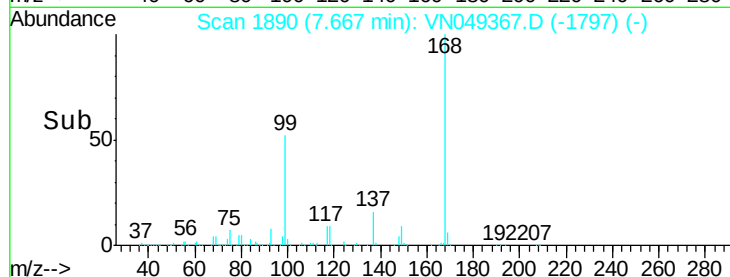
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049367.D

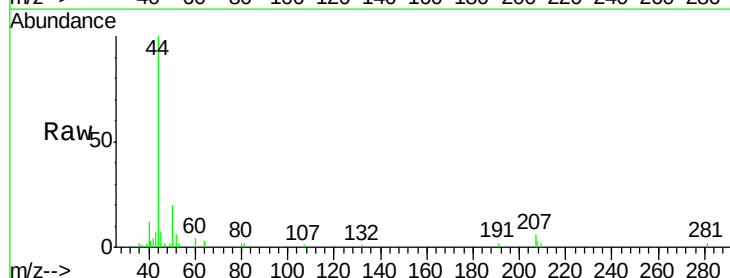
Acq: 19 Jun 2018 2:24

Tgt Ion: 50 Resp: 3668

Ion Ratio Lower Upper

50 100

52 28.9 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VNC

Ion 51.90 (51.60 to 52.60): VNC

2.06

3000

2500

2000

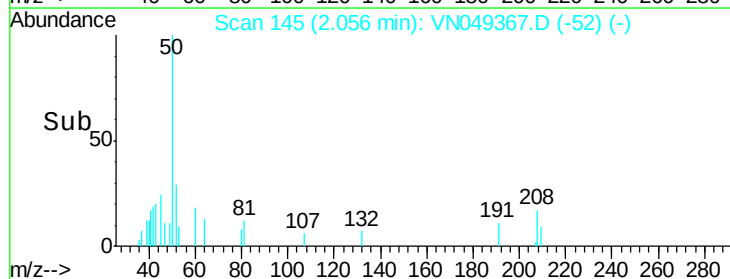
1500

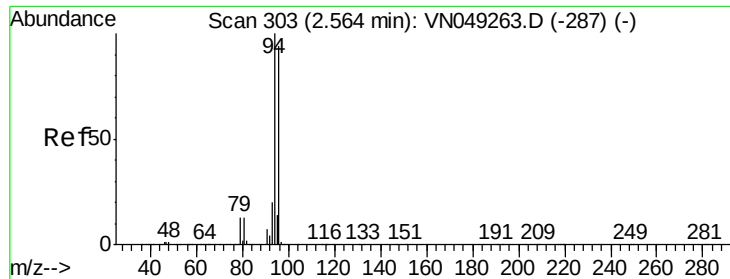
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.49 ug/l

RT: 2.58 min Scan# 308

Delta R.T. 0.02 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

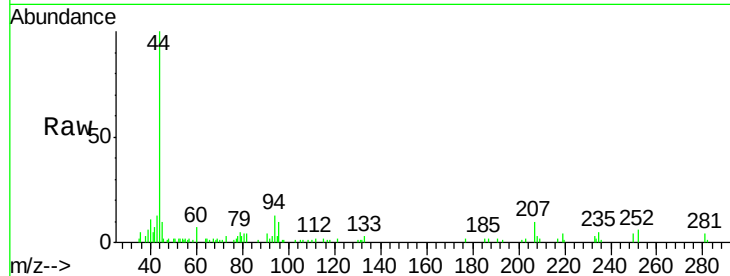
ClientSampled :

Tot Ion: 94 Resp: 4904

Ion Ratio Lower Upper

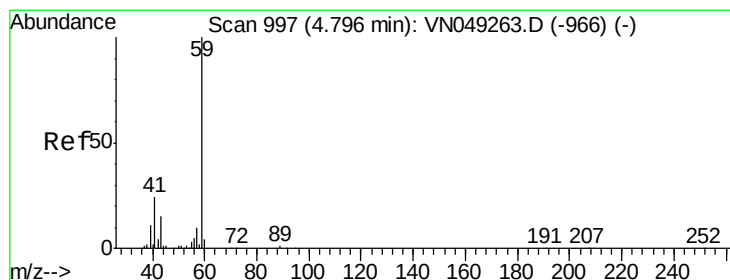
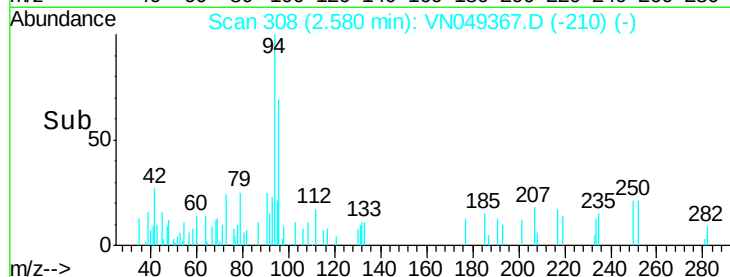
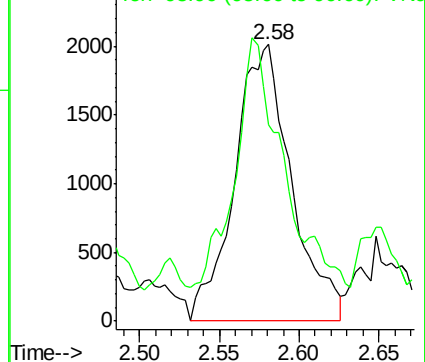
94 100

96 59.0 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 1.01 ug/l

RT: 4.79 min Scan# 995

Delta R.T. -0.01 min

Lab File: VN049367.D

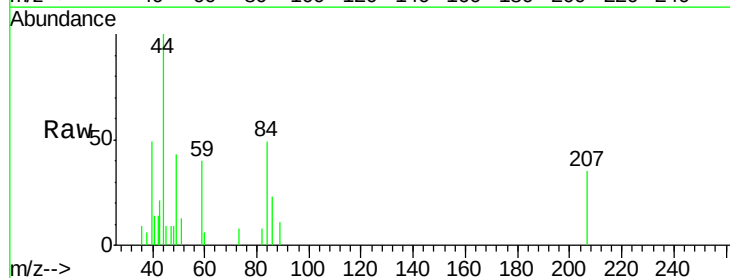
Acq: 19 Jun 2018 2:24

Tgt Ion: 59 Resp: 959

Ion Ratio Lower Upper

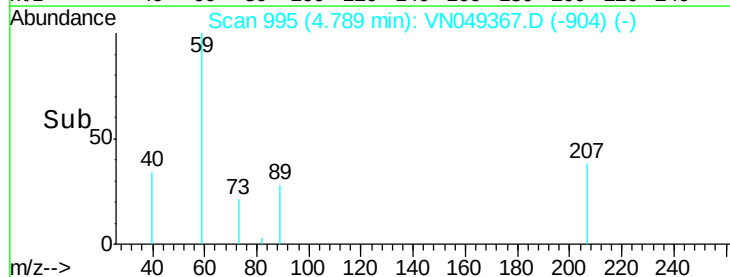
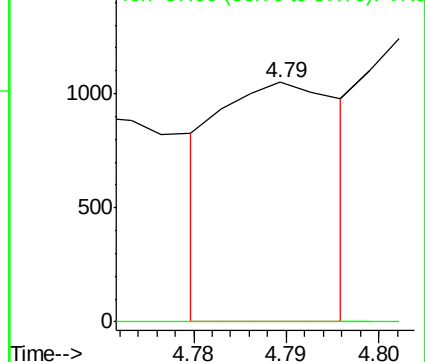
59 100

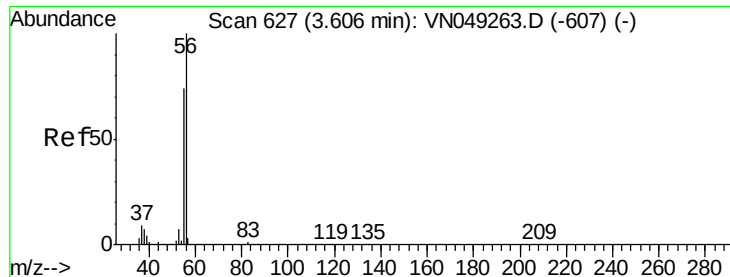
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.25 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

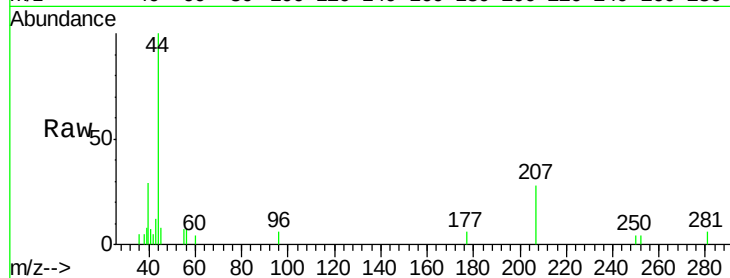
ClientSampleId :

Tot Ion: 56 Resp: 248

Ion Ratio Lower Upper

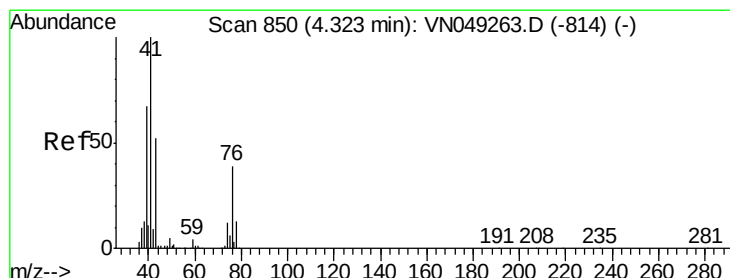
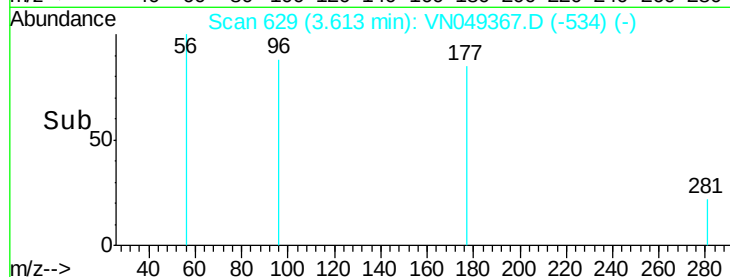
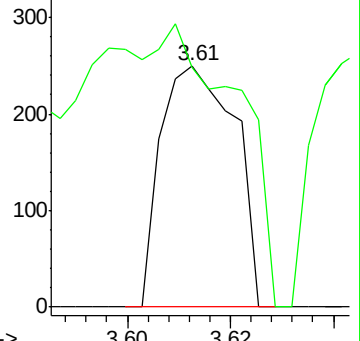
56 100

55 272.2 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 5.18 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.23 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

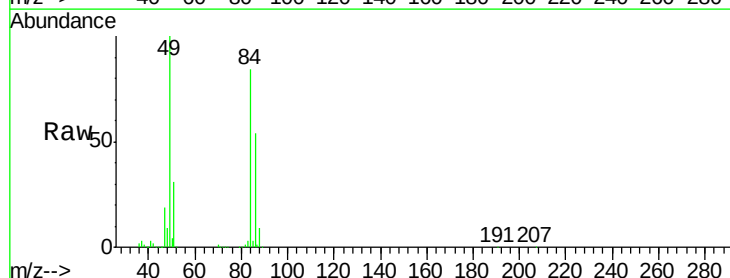
Tgt Ion: 41 Resp: 114104

Ion Ratio Lower Upper

41 100

39 1.1 62.5 93.7#

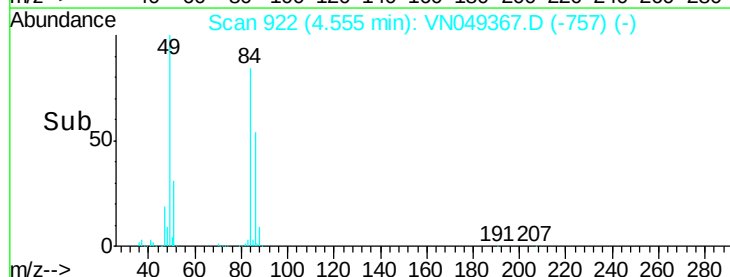
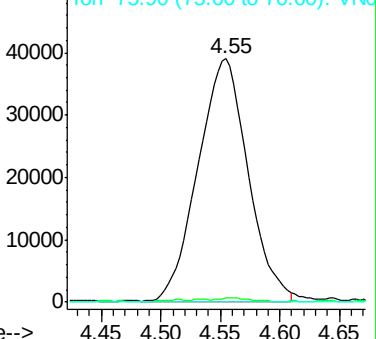
76 0.0 27.1 40.7#

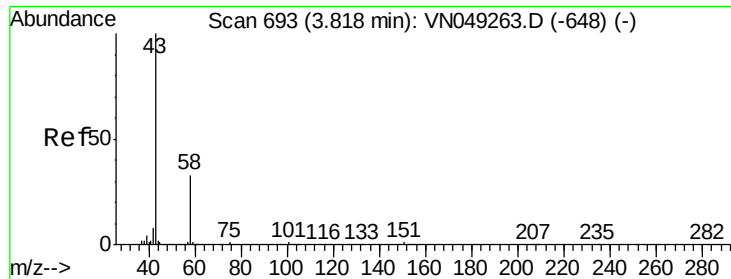


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

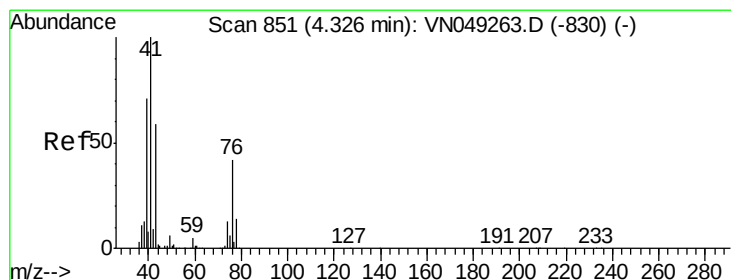
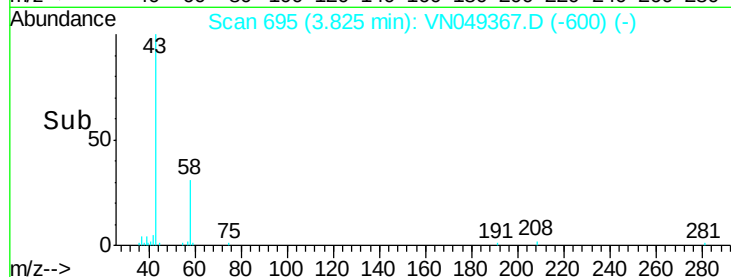
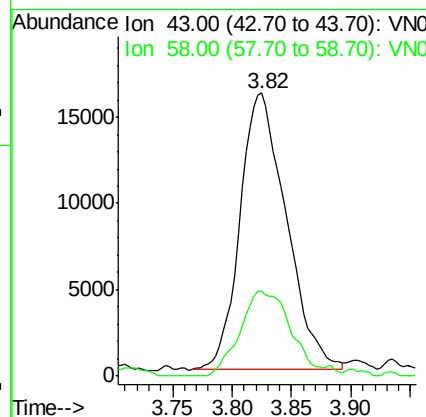
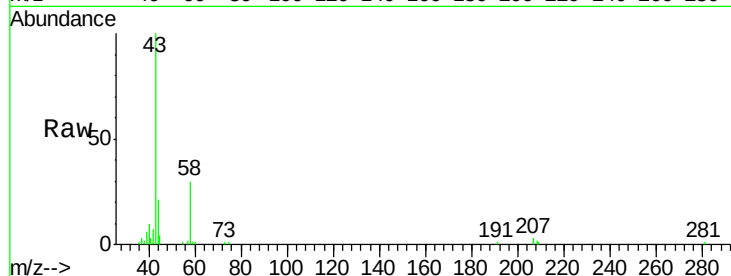




#16
Acetone
Concen: 11.06 ug/l
RT: 3.82 min Scan# 695
Delta R.T. 0.01 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

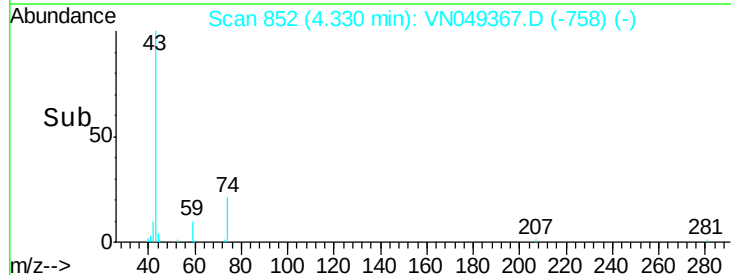
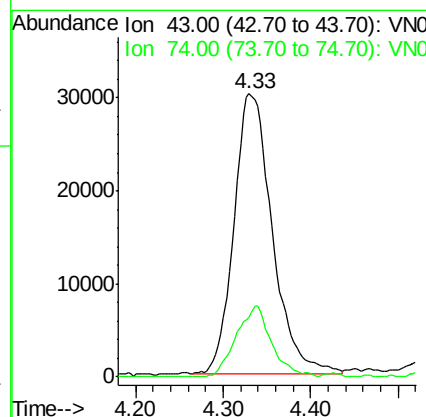
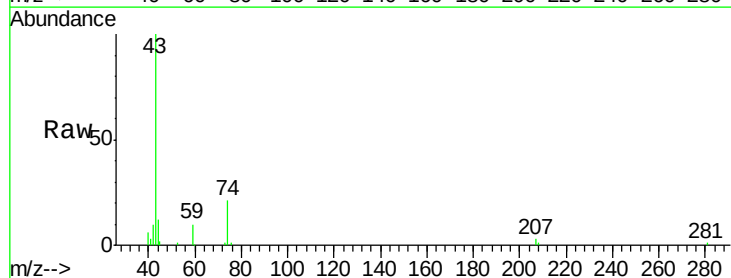
Instrument :
MSVOA_N
ClientSampleId :

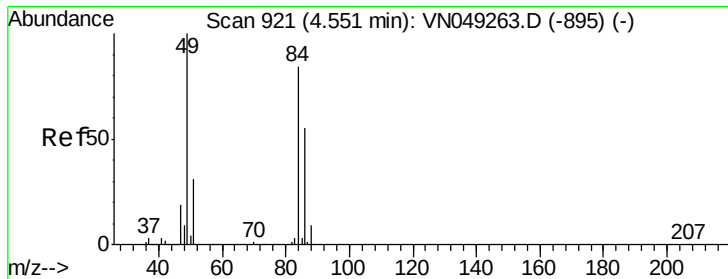
Tot Ion: 43 Resp: 43309
Ion Ratio Lower Upper
43 100
58 30.6 22.4 33.6



#18
Methyl Acetate
Concen: 7.66 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Tgt Ion: 43 Resp: 91460
Ion Ratio Lower Upper
43 100
74 23.0 17.4 26.0



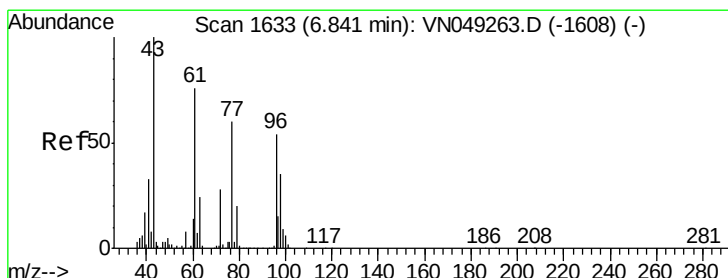
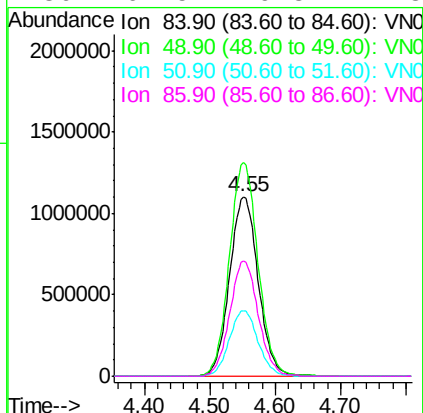
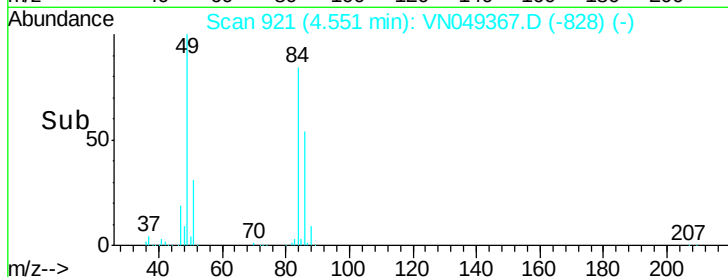
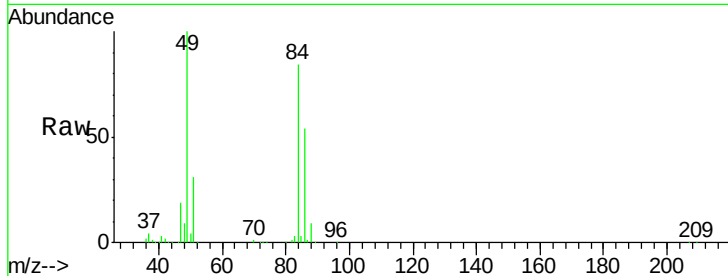


#20
Methvlene Chloride
Concen: 205.42 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 3360232

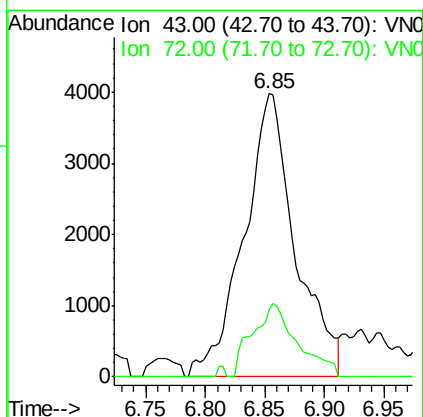
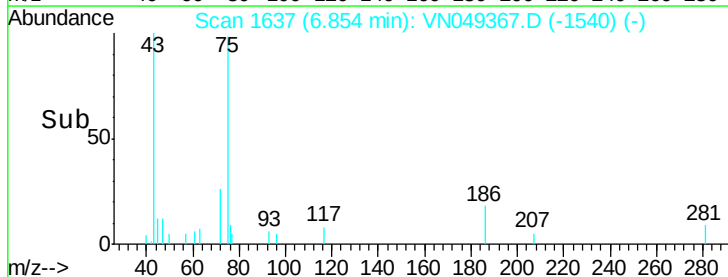
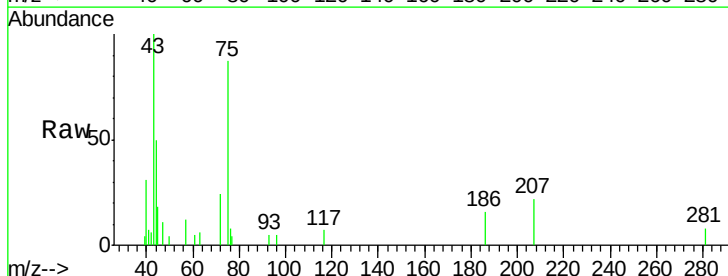
Ion	Ratio	Lower	Upper
84	100		
49	118.9	106.9	160.3
51	36.6	32.7	49.1
86	64.5	49.8	74.8

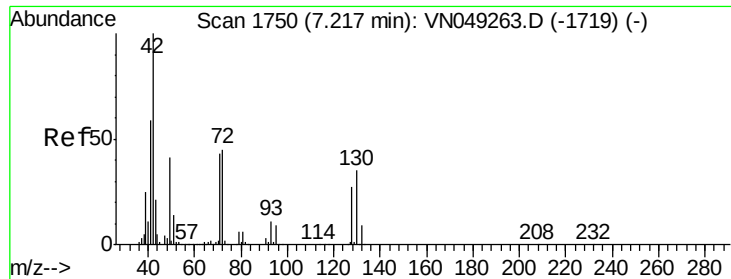


#25
2-Butanone
Concen: 2.27 ug/l
RT: 6.85 min Scan# 1637
Delta R.T. 0.01 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Tgt Ion: 43 Resp: 11939

Ion	Ratio	Lower	Upper
43	100		
72	23.6	20.2	30.2

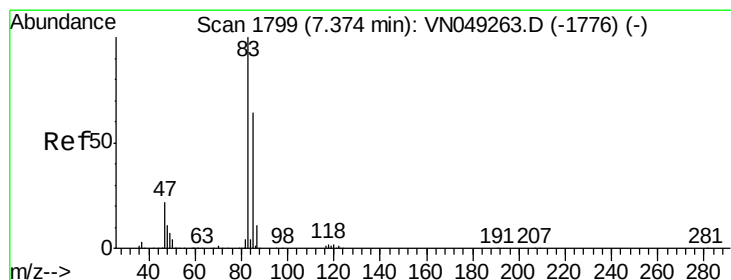
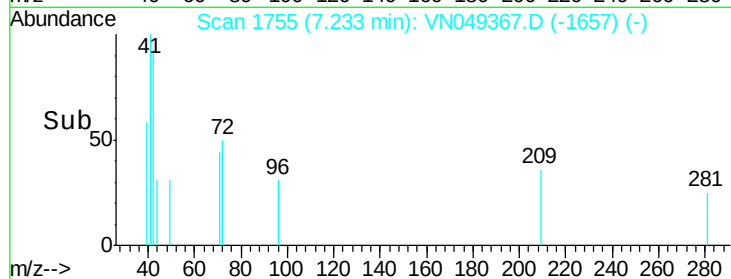
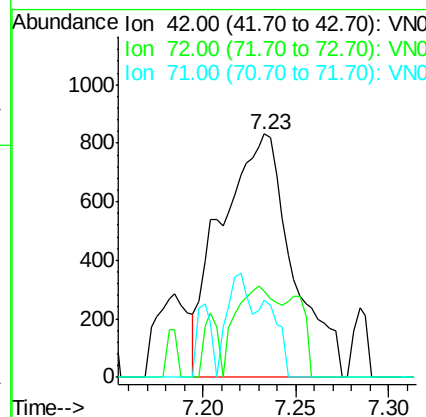
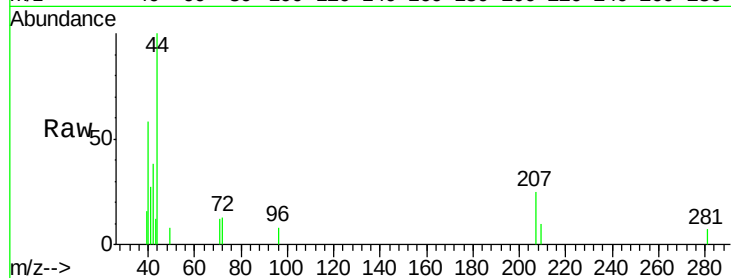




#29
Tetrahydrofuran
Concen: 0.66 ug/l
RT: 7.23 min Scan# 1755
Delta R.T. 0.02 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

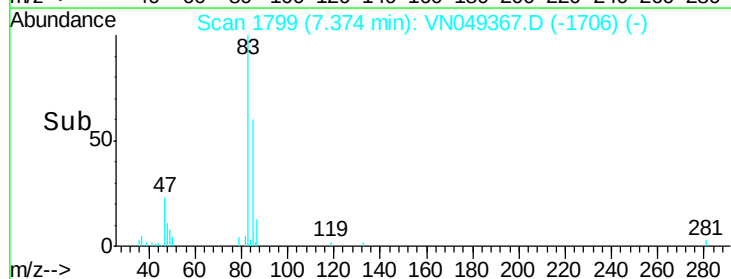
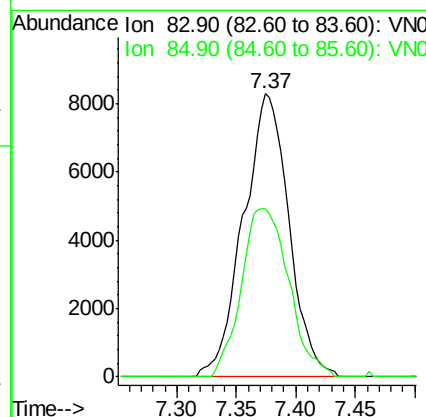
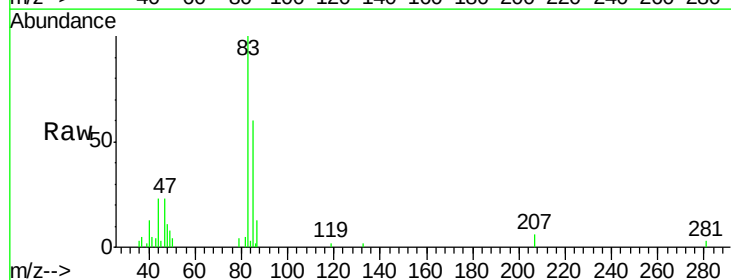
Instrument :
MSVOA_N
ClientSampled :

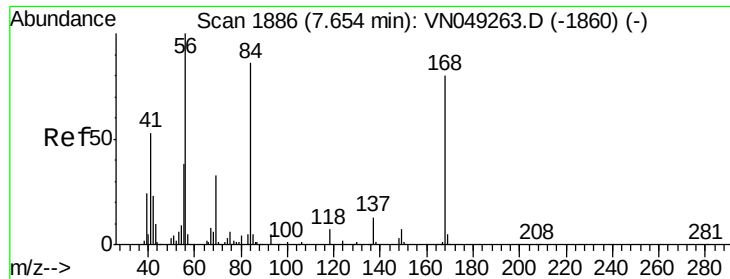
Tot Ion: 42 Resp: 2220
Ion Ratio Lower Upper
42 100
72 22.4 32.2 48.4#
71 13.9 30.5 45.7#



#30
Chloroform
Concen: 0.78 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Tgt Ion: 83 Resp: 21970
Ion Ratio Lower Upper
83 100
85 59.6 51.7 77.5

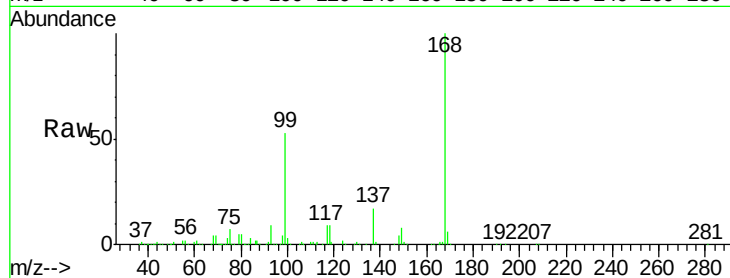




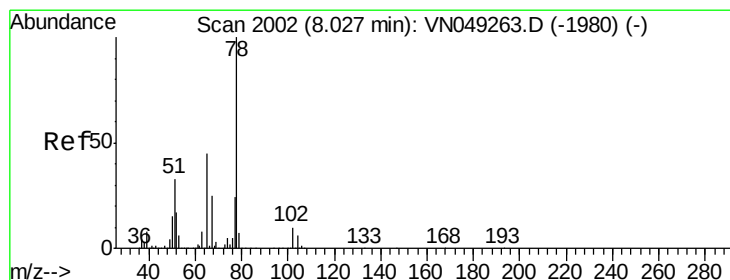
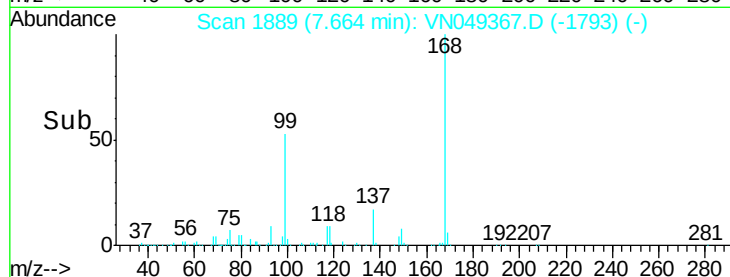
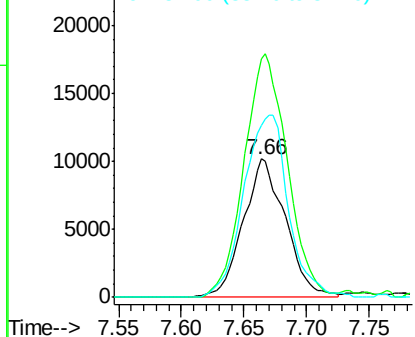
#31
Cyclohexane
Concen: 0.83 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 23979
Ion Ratio Lower Upper
56 100
69 172.1 25.0 37.4#
84 124.5 64.6 96.8#

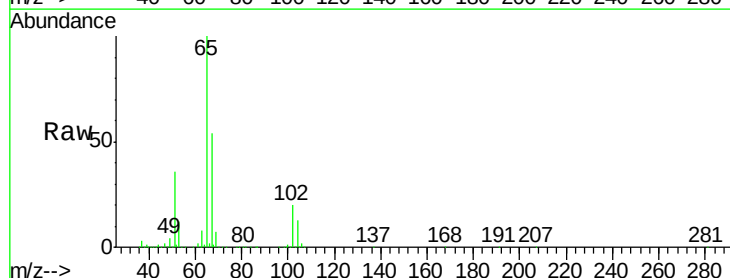


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

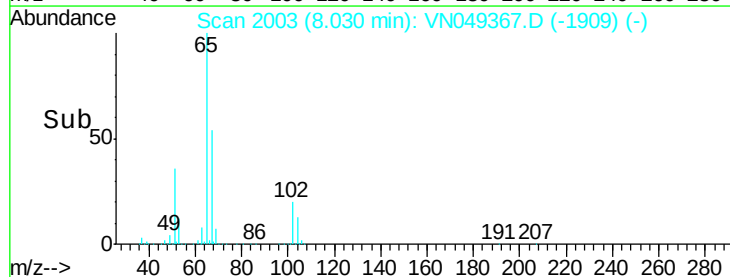
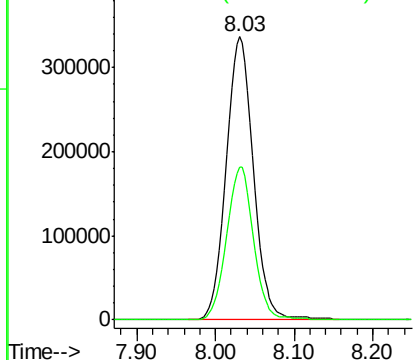


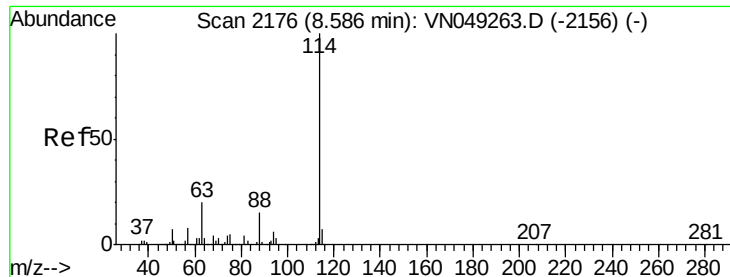
#33
1,2-Dichloroethane-d4
Concen: 49.80 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Tgt Ion: 65 Resp: 803294
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

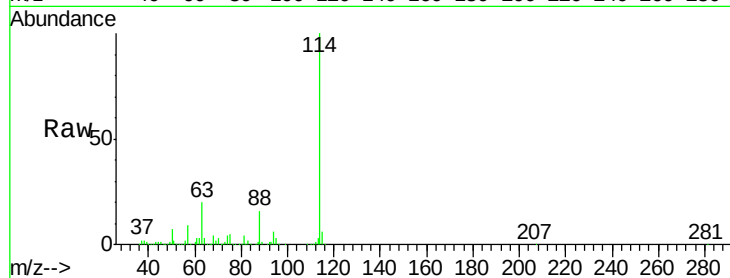




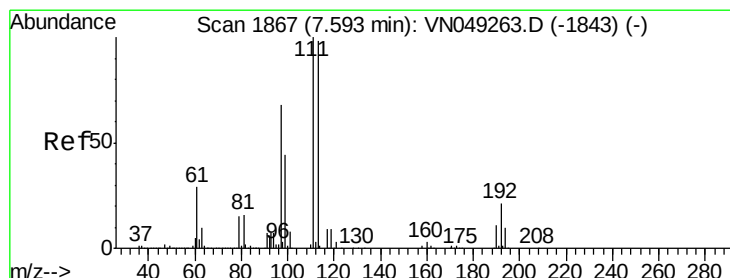
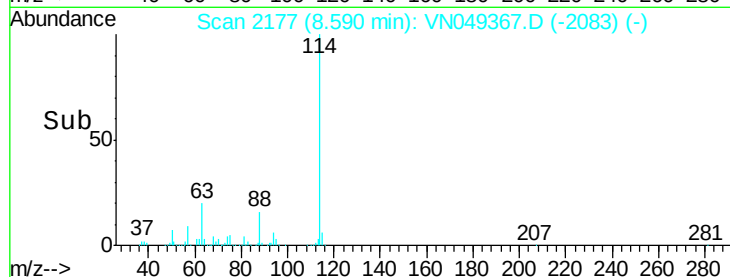
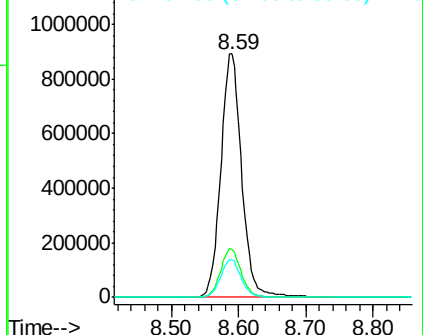
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049367.D
 Acq: 19 Jun 2018 2:24

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 1930381
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 44.4
 88 15.6 0.0 31.4

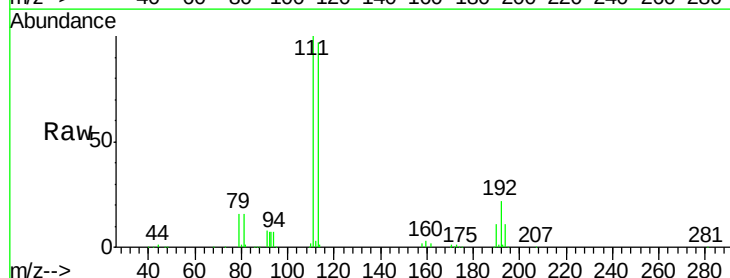


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

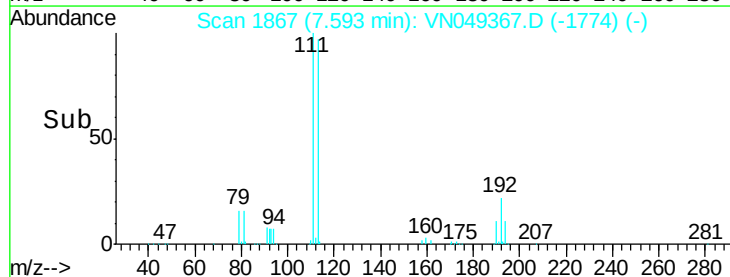
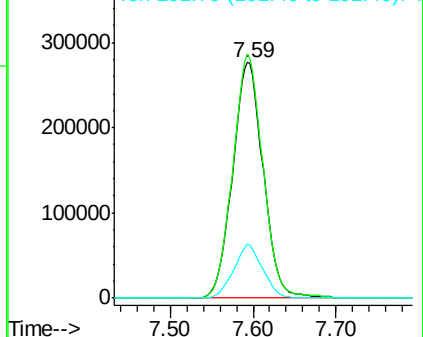


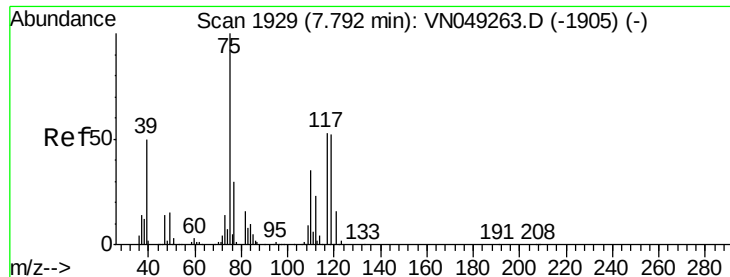
#35
 Dibromofluoromethane
 Concen: 45.41 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049367.D
 Acq: 19 Jun 2018 2:24

Tgt Ion:113 Resp: 709127
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.4 123.6
 192 21.6 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: 3.77 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :
MSVOA_N
ClientSampleId :

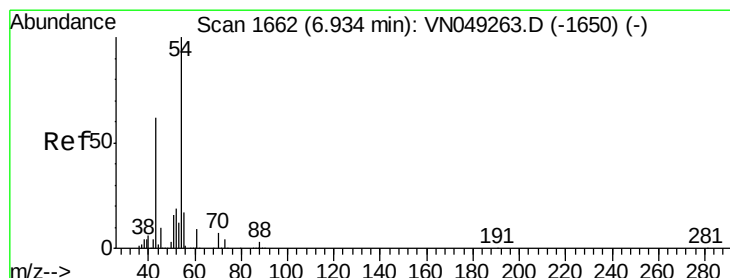
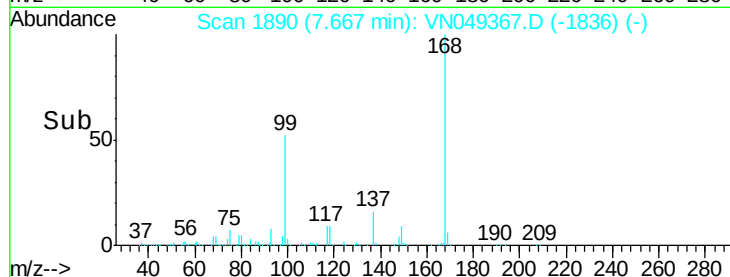
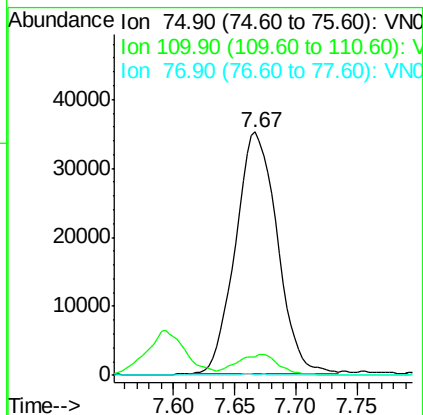
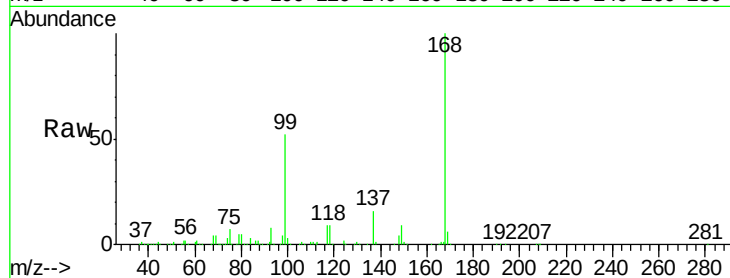
Tot Ion: 75 Resp: 83354

Ion Ratio Lower Upper

75 100

110 8.9 17.0 50.9#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.99 ug/l

RT: 6.85 min Scan# 1637

Delta R.T. -0.08 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

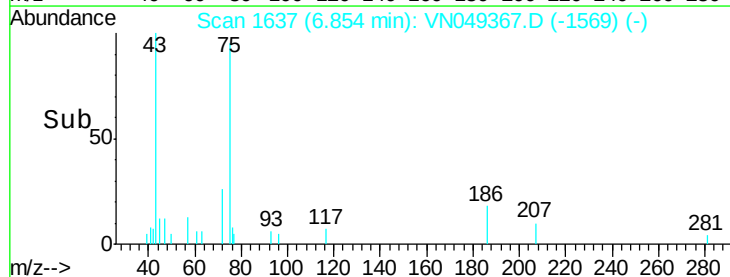
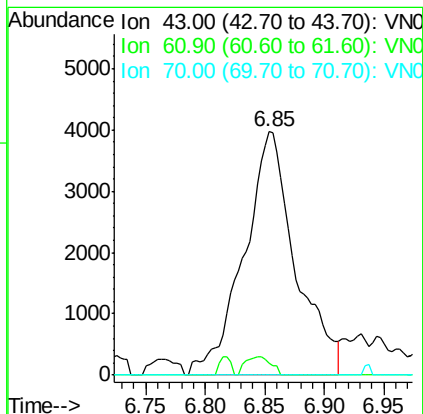
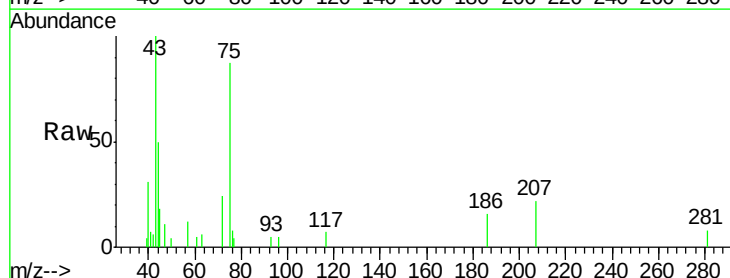
Tgt Ion: 43 Resp: 11939

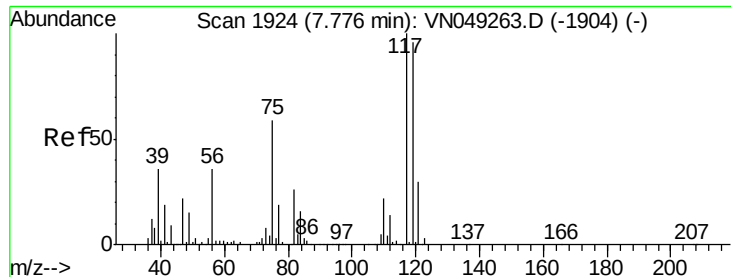
Ion Ratio Lower Upper

43 100

61 3.8 11.0 16.4#

70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 4.67 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. -0.11 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

ClientSampleId :

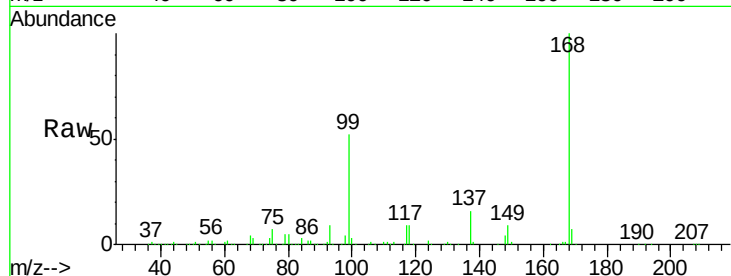
Tot Ion:117 Resp: 106883

Ion Ratio Lower Upper

117 100

119 5.1 75.6 113.4#

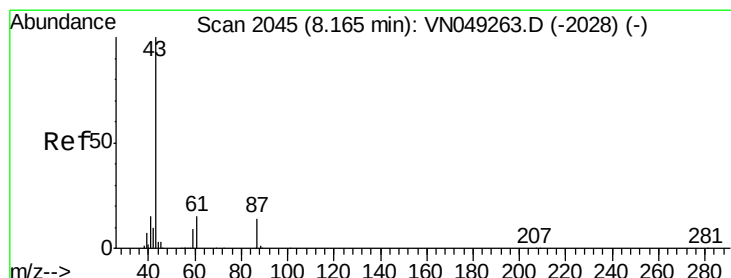
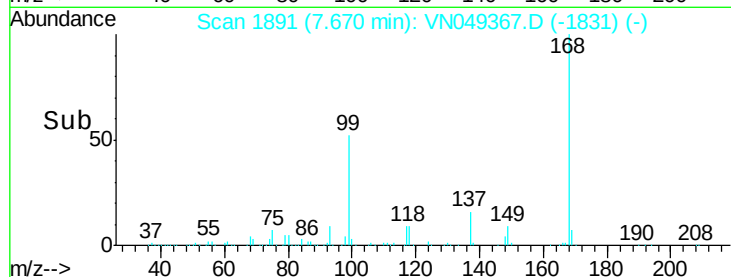
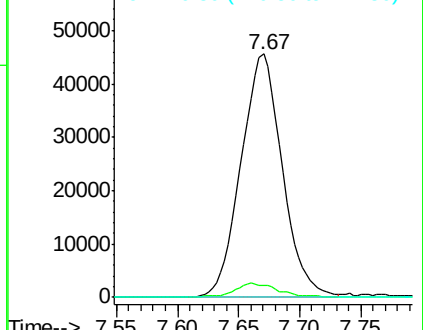
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 18.00 ug/l

RT: 8.22 min Scan# 2063

Delta R.T. 0.06 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

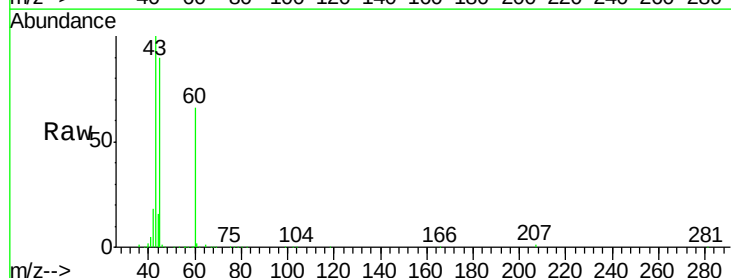
Tgt Ion: 43 Resp: 413653

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

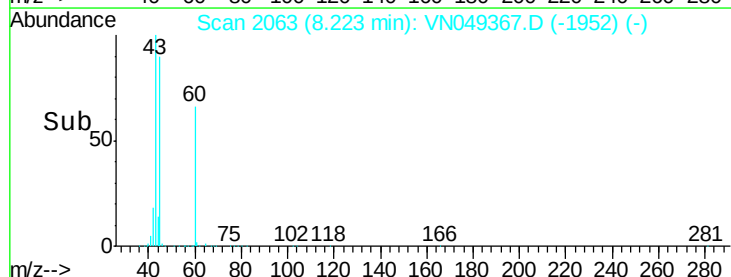
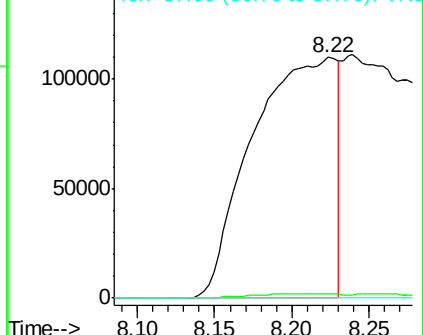
87 0.0 9.4 14.0#

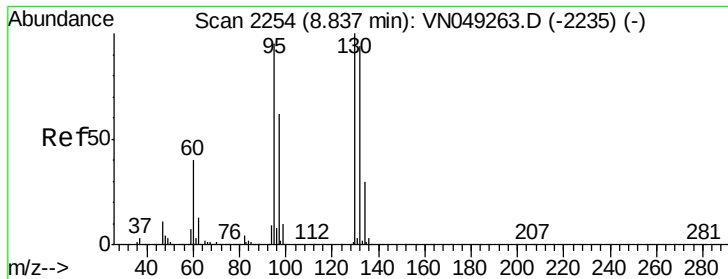


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#44

Trichloroethene

Concen: 0.42 ug/l

RT: 8.84 min Scan# 2255

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

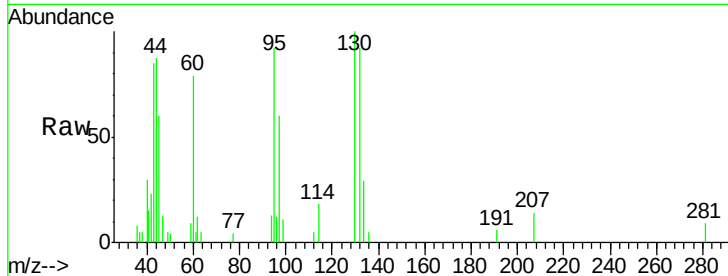
ClientSampleId :

Tot Ion:130 Resp: 7537

Ion Ratio Lower Upper

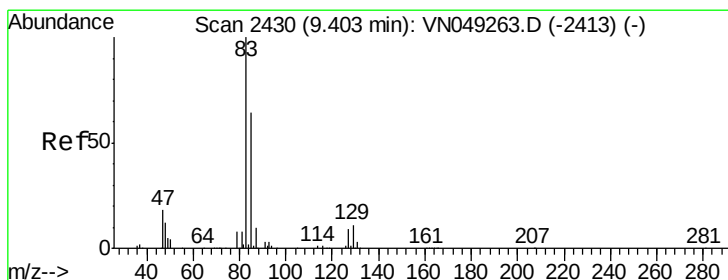
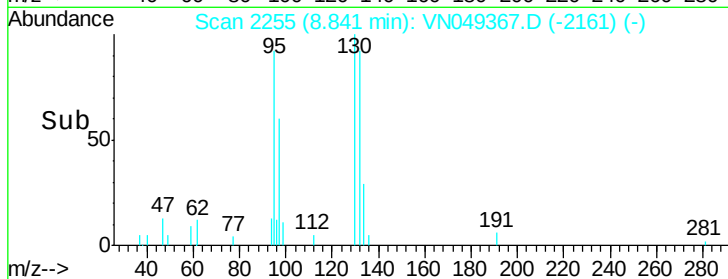
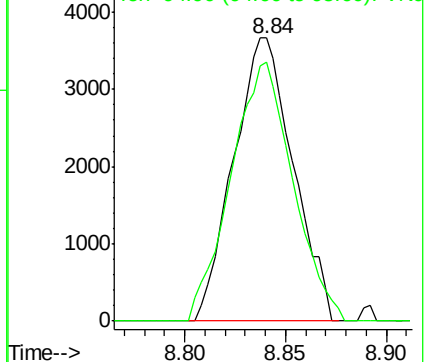
130 100

95 91.6 0.0 208.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#47

Bromodichloromethane

Concen: 0.37 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

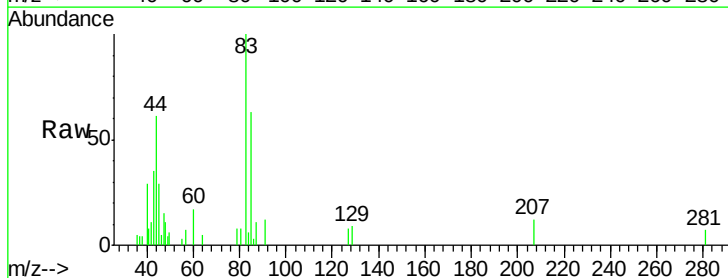
Tgt Ion: 83 Resp: 8463

Ion Ratio Lower Upper

83 100

85 63.3 49.4 74.0

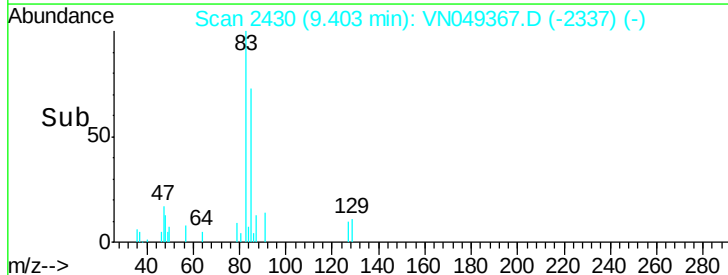
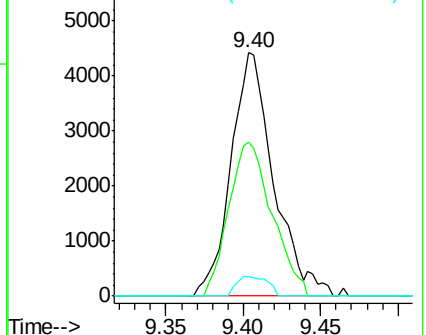
127 8.3 6.3 9.5

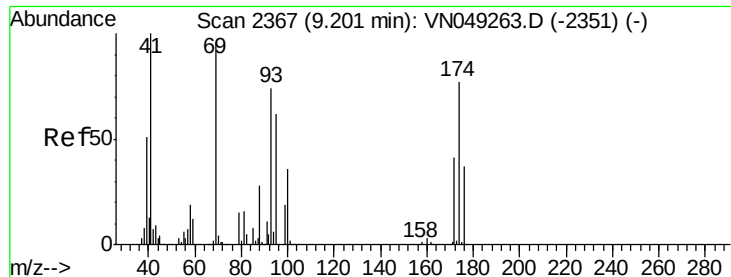


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): V

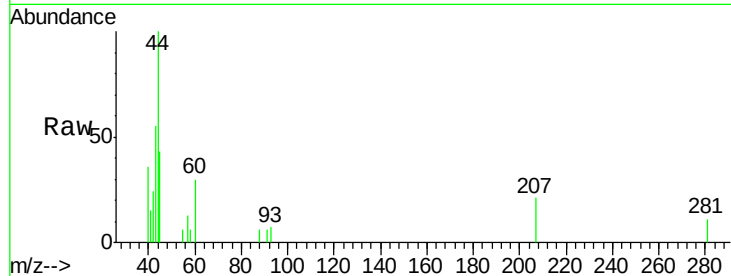




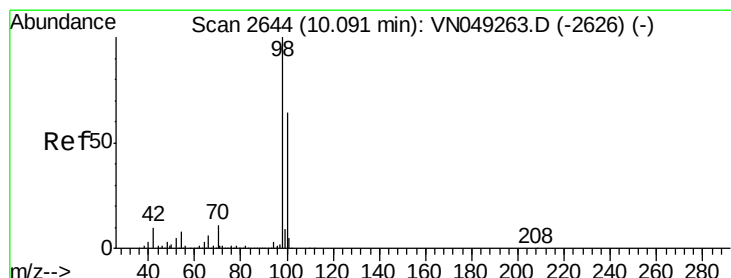
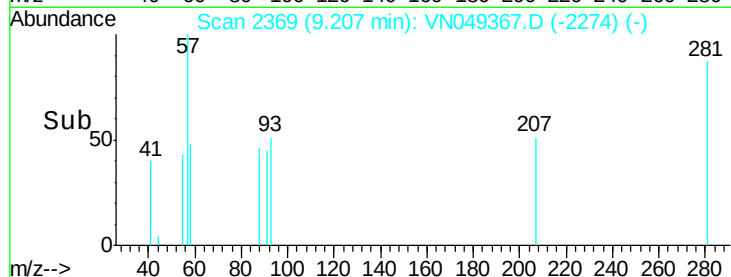
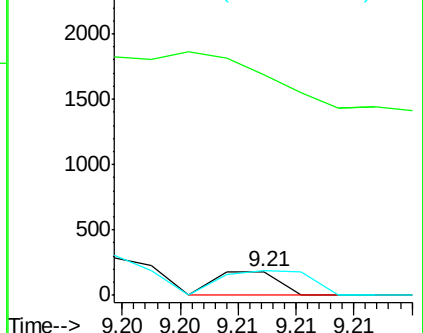
#49
1,4-Dioxane
Concen: 0.48 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.01 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 71
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 143.7 58.9 88.3#

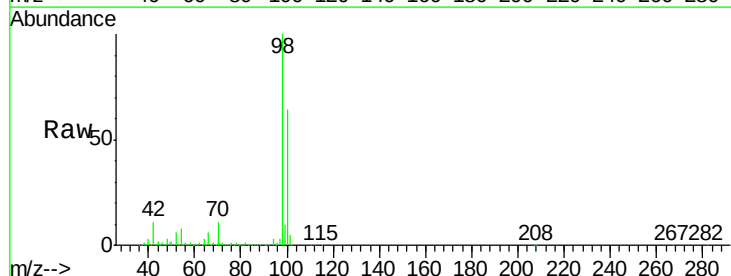


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

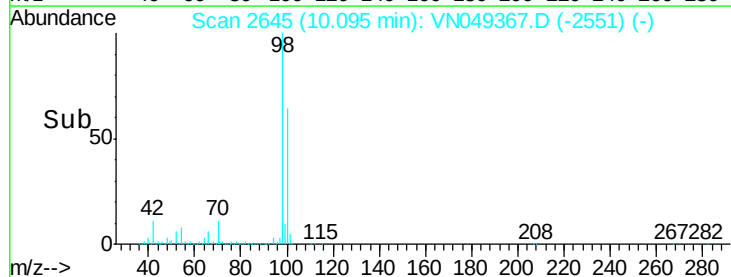
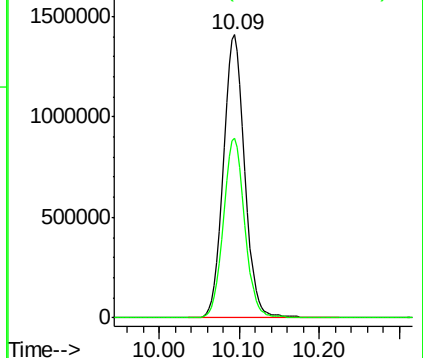


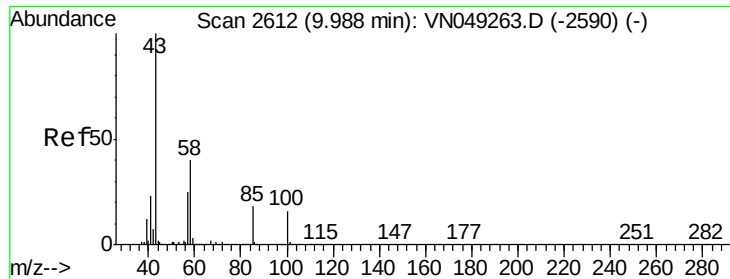
#50
Toluene-d8
Concen: 43.59 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Tgt Ion: 98 Resp: 2592403
Ion Ratio Lower Upper
98 100
100 63.6 49.8 74.8



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

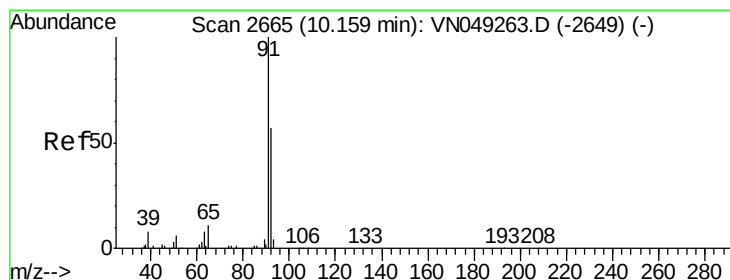
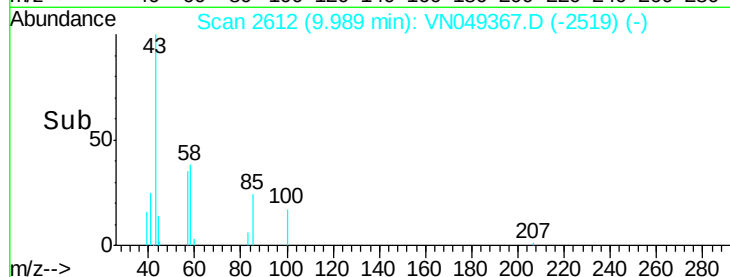
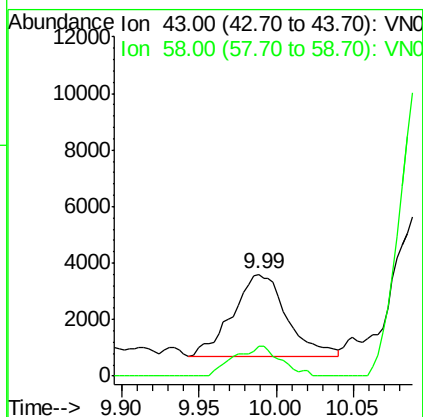
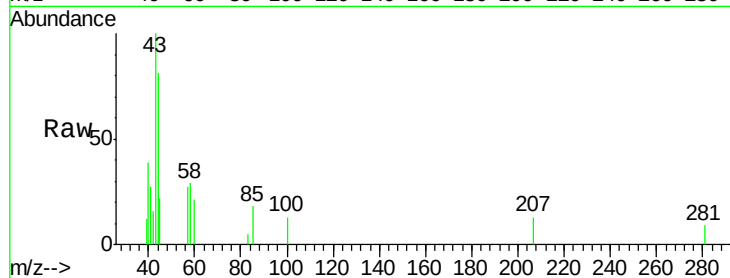




#51
 4-Methyl-2-Pentanone
 Concen: 0.59 ug/l
 RT: 9.99 min Scan# 2612
 Delta R.T. 0.00 min
 Lab File: VN049367.D
 Acq: 19 Jun 2018 2:24

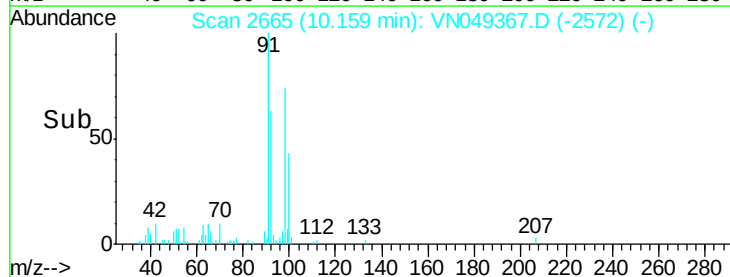
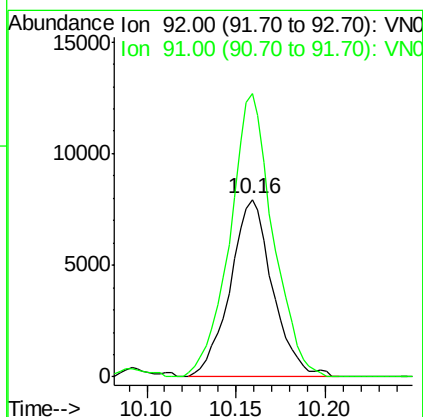
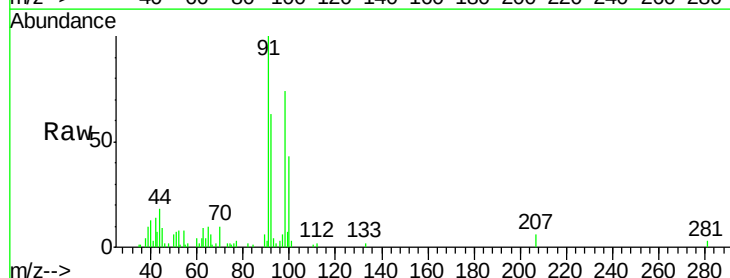
Instrument :
 MSVOA_N
 ClientSampled :

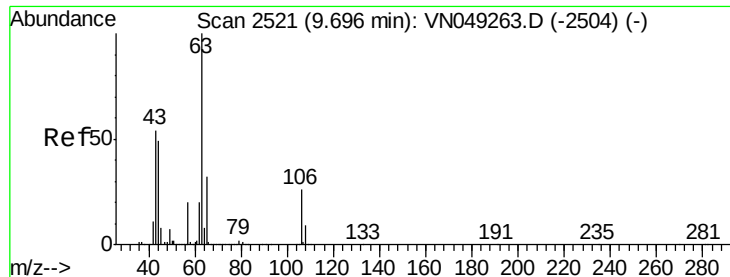
Tot Ion: 43 Resp: 7127
 Ion Ratio Lower Upper
 43 100
 58 31.2 29.0 43.6



#52
 Toluene
 Concen: 0.33 ug/l
 RT: 10.16 min Scan# 2665
 Delta R.T. 0.00 min
 Lab File: VN049367.D
 Acq: 19 Jun 2018 2:24

Tgt Ion: 92 Resp: 13097
 Ion Ratio Lower Upper
 92 100
 91 162.6 143.4 215.2





#58

2-Chloroethyl Vinyl ether

Concen: 14.33 ug/l

RT: 9.42 min Scan# 2434

Delta R.T. -0.28 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

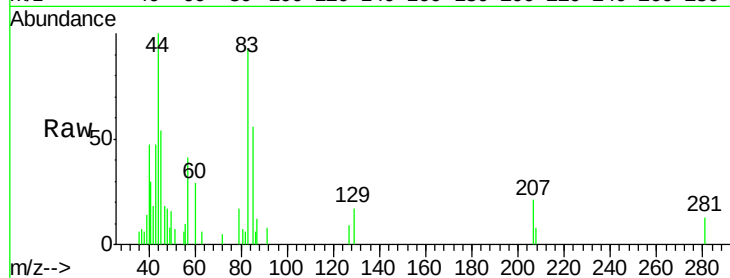
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 34

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.42

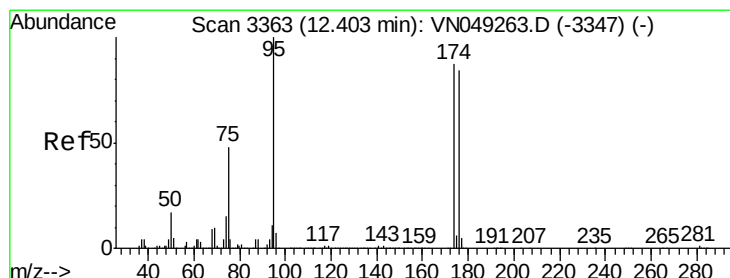
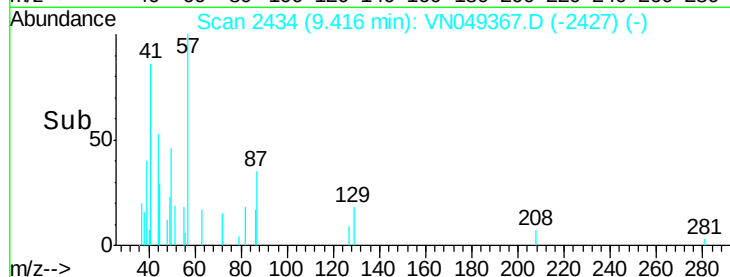
150

100

50

0

Time--> 9.40 9.41 9.42 9.43



#62

4-Bromofluorobenzene

Concen: 36.34 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

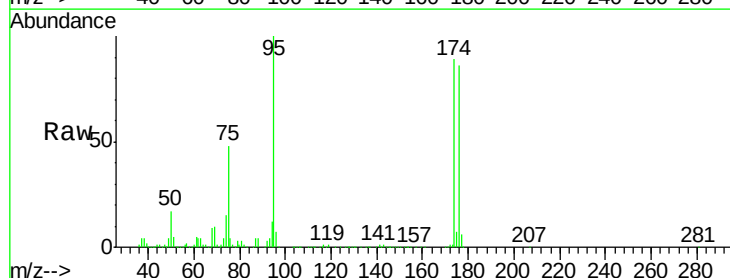
Tgt Ion: 95 Resp: 714545

Ion Ratio Lower Upper

95 100

174 90.5 0.0 165.6

176 86.8 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.40

500000

400000

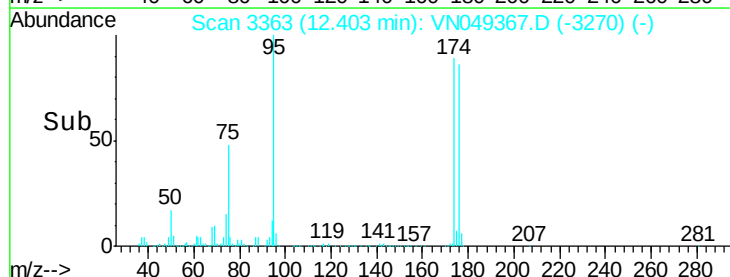
300000

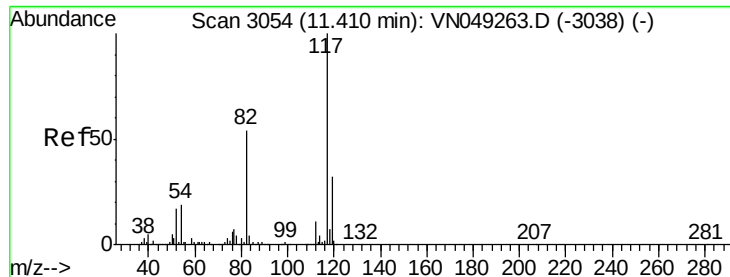
200000

100000

0

Time--> 12.30 12.40 12.50





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

ClientSampled :

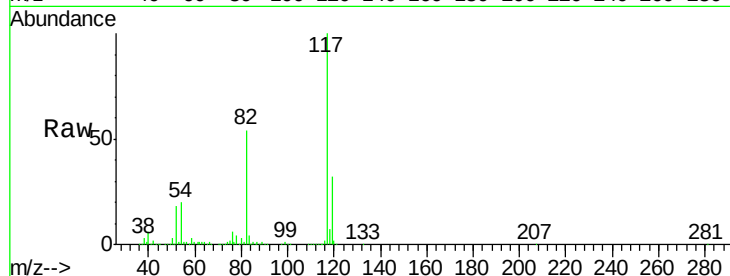
Tot Ion:117 Resp: 1576644

Ion Ratio Lower Upper

117 100

82 53.9 45.9 68.9

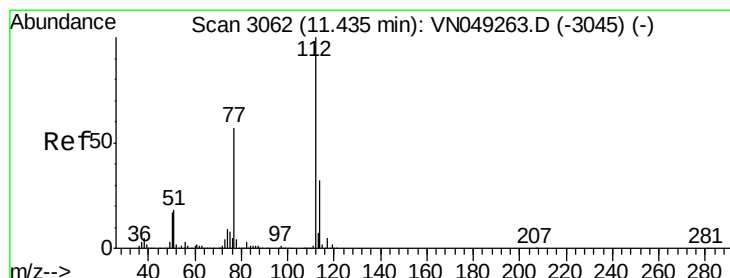
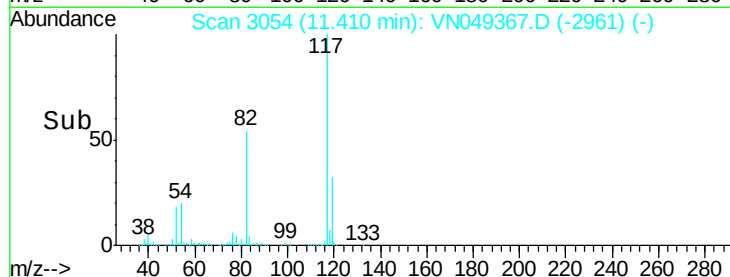
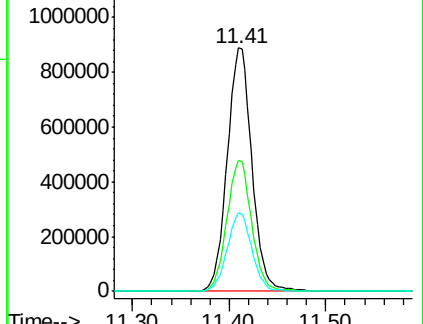
119 32.1 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#65

Chlorobenzene

Concen: 0.39 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049367.D

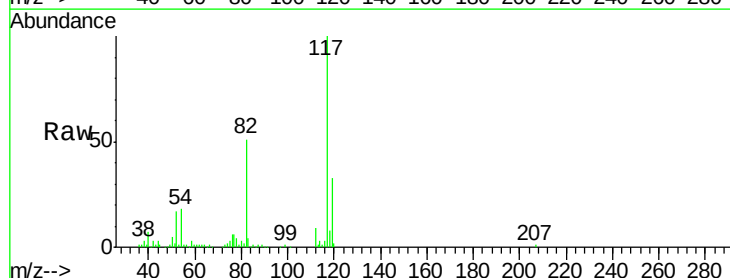
Acq: 19 Jun 2018 2:24

Tgt Ion:112 Resp: 16041

Ion Ratio Lower Upper

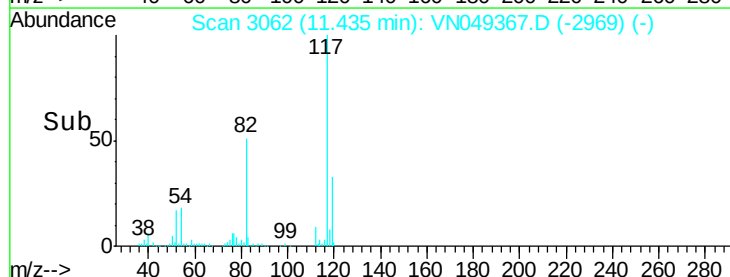
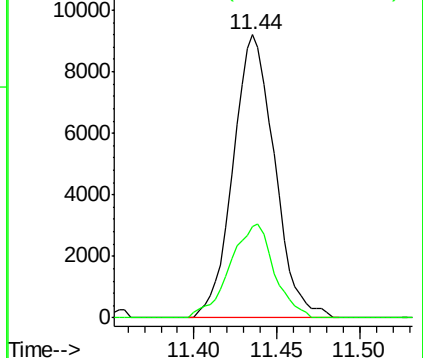
112 100

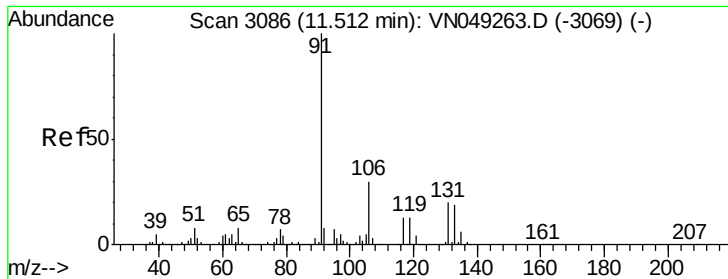
114 32.5 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

Ethyl Benzene

Concen: 0.50 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

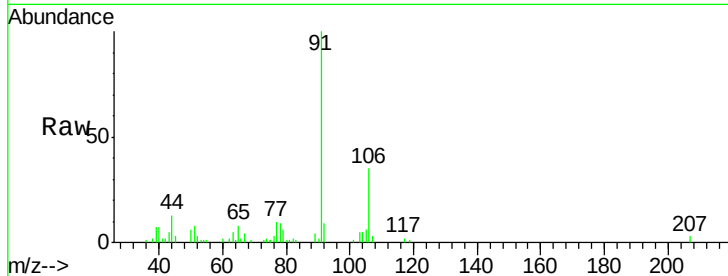
ClientSampled :

Tot Ion: 91 Resp: 33551

Ion Ratio Lower Upper

91 100

106 35.5 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3069) (-)

Ion 106.00 (105.70 to 106.70): VN049263.D (-3069) (-)

11.52

20000

15000

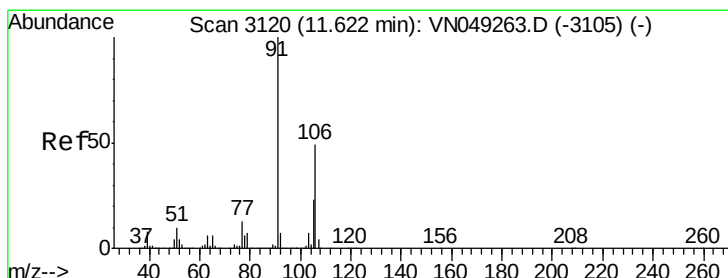
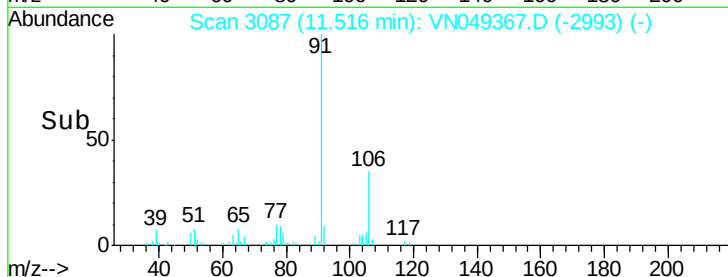
10000

5000

0

Time-->

11.45 11.50 11.55



#68

m/p-Xylenes

Concen: 0.80 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. -0.00 min

Lab File: VN049367.D

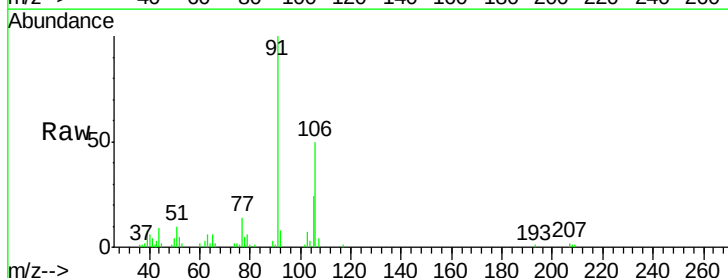
Acq: 19 Jun 2018 2:24

Tgt Ion: 106 Resp: 20220

Ion Ratio Lower Upper

106 100

91 202.0 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049263.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN049263.D (-3105) (-)

11.62

25000

20000

15000

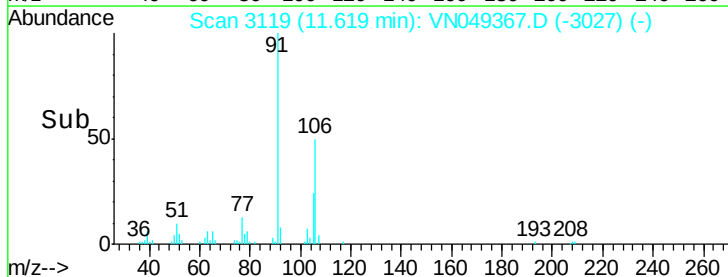
10000

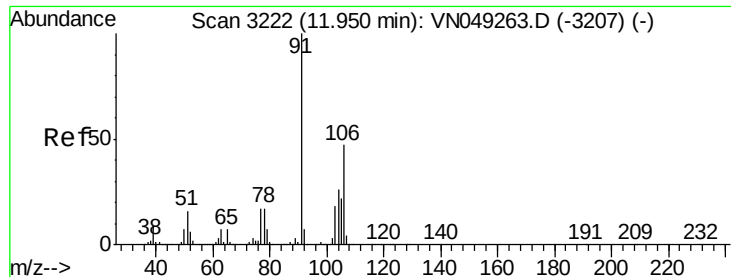
5000

0

Time-->

11.55 11.60 11.65

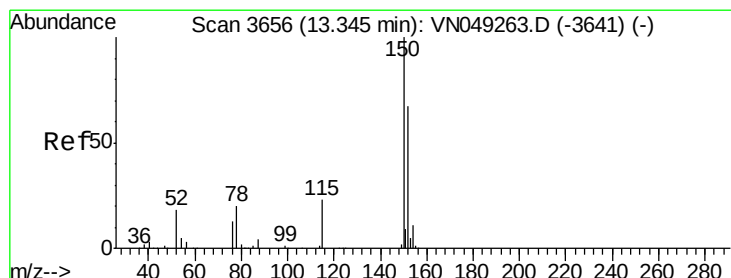
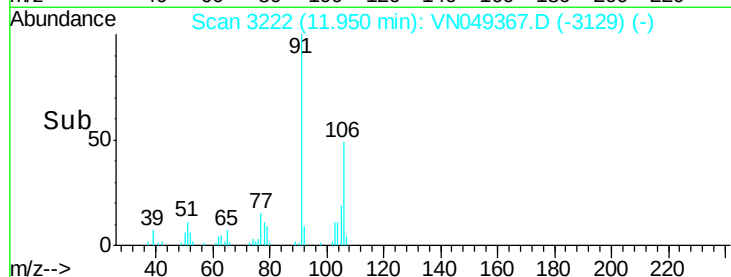
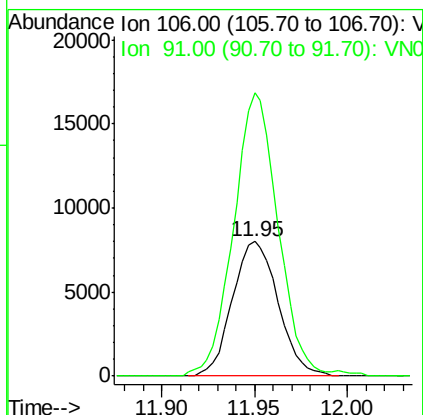
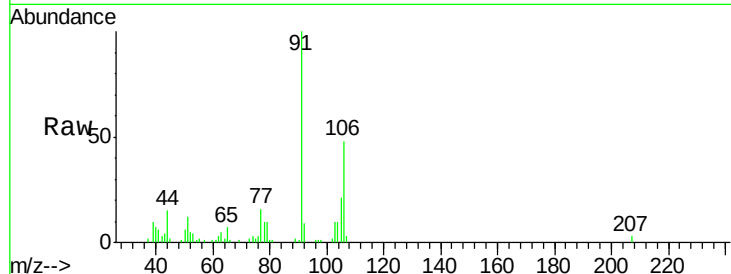




#69
o-Xylene
Concen: 0.56 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

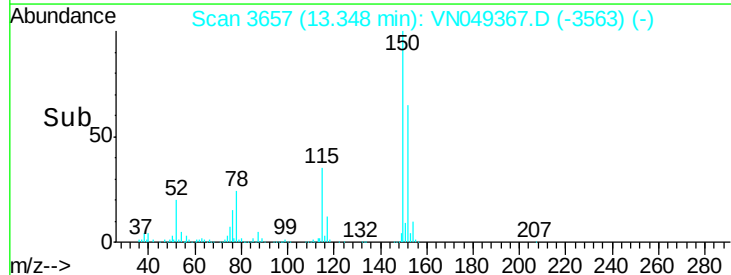
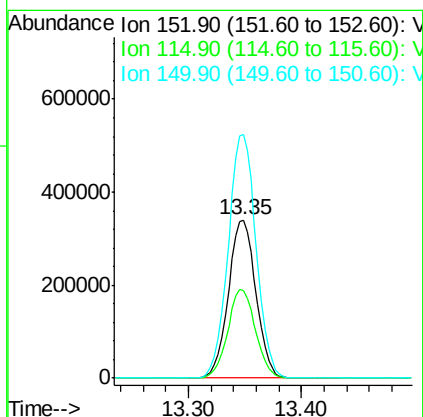
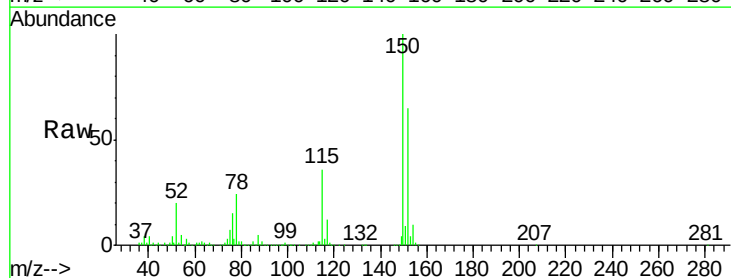
Instrument :
MSVOA_N
ClientSampled :

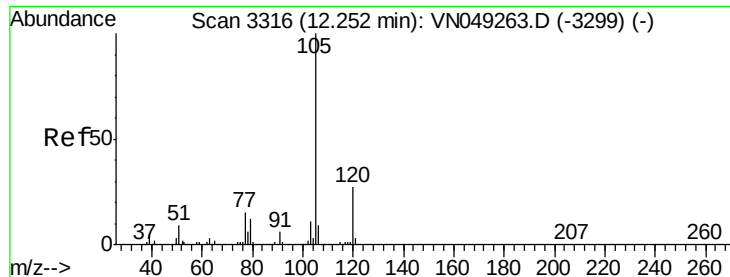
Tot Ion:106 Resp: 13724
Ion Ratio Lower Upper
106 100
91 204.9 111.0 333.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Tgt Ion:152 Resp: 574677
Ion Ratio Lower Upper
152 100
115 56.4 28.7 86.1
150 155.8 0.0 351.0





#73

Isopropylbenzene

Concen: 0.40 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

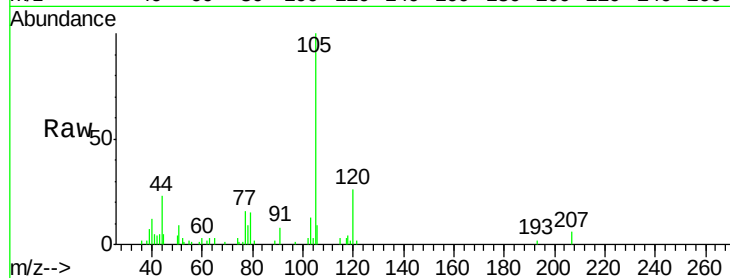
ClientSampled :

Tot Ion:105 Resp: 20010

Ion Ratio Lower Upper

105 100

120 27.3 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

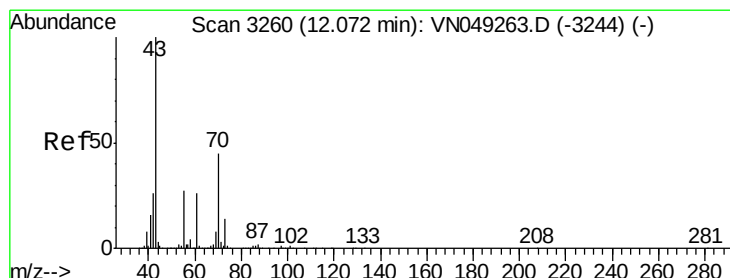
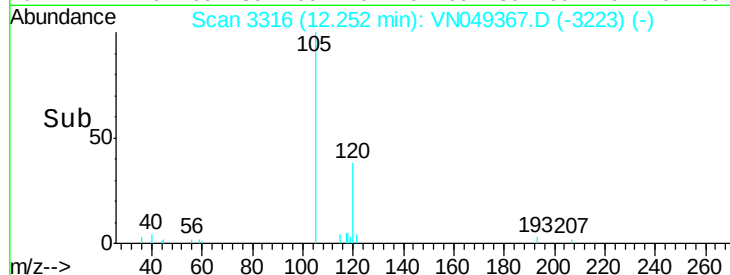
12.25

10000

5000

0

Time-->



#74

N-ethyl acetate

Concen: 0.22 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Tgt Ion: 43 Resp: 2710

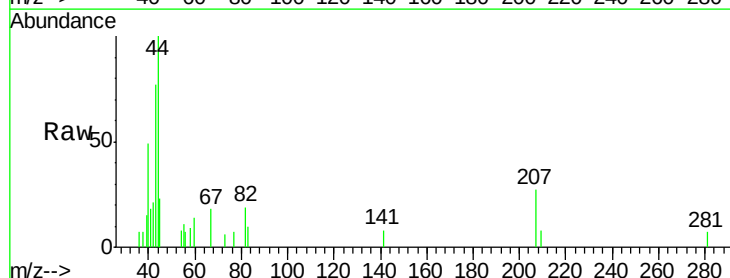
Ion Ratio Lower Upper

43 100

70 0.0 30.3 45.5#

55 8.9 19.4 29.2#

61 0.0 17.8 26.6#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.05

3000

2500

2000

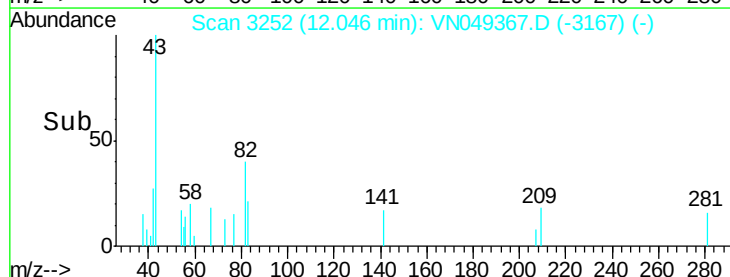
1500

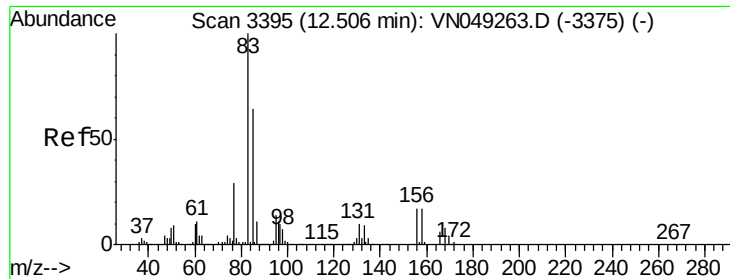
1000

500

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

ClientSampleId :

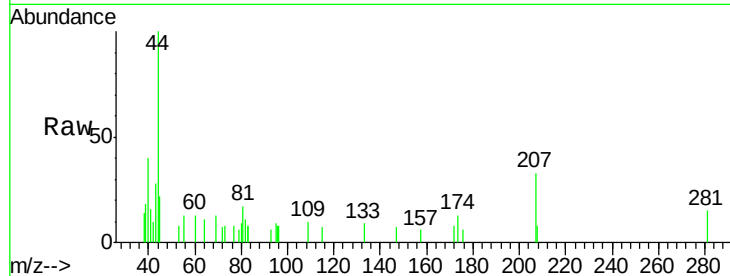
Tot Ion: 83 Resp: 193

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

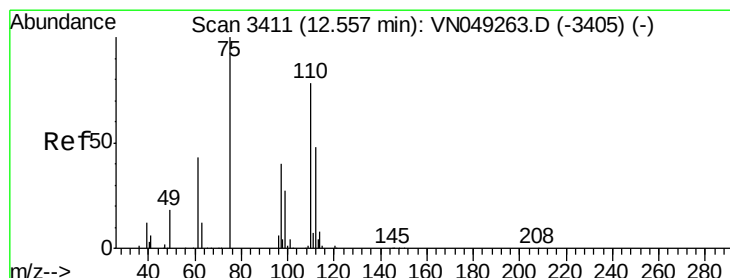
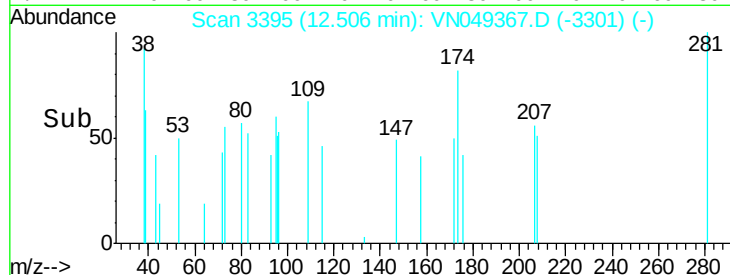
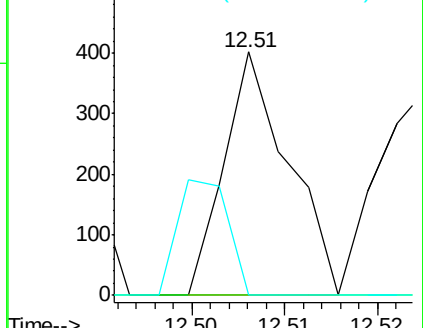
85 37.3 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 35.03 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049367.D

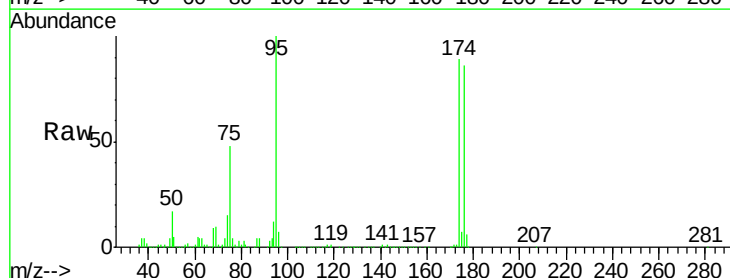
Acq: 19 Jun 2018 2:24

Tgt Ion: 75 Resp: 343516

Ion Ratio Lower Upper

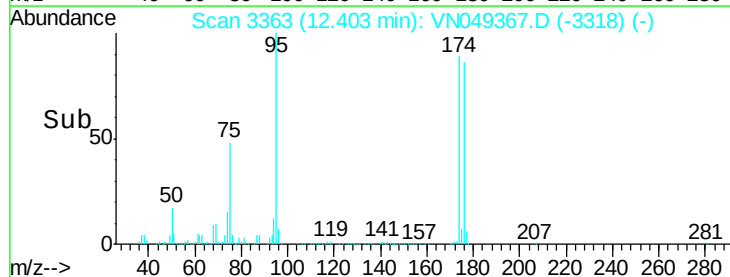
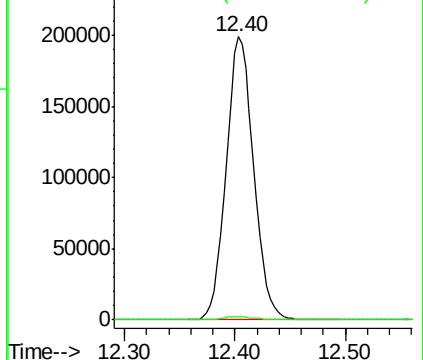
75 100

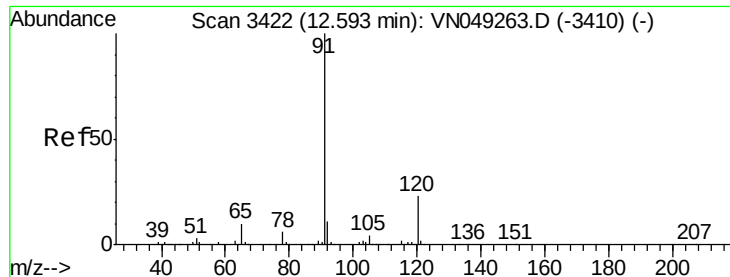
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 0.77 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

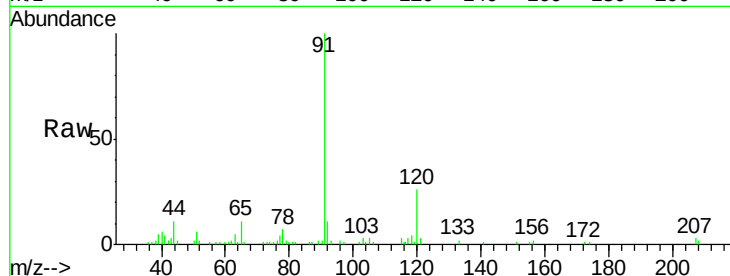
ClientSampled :

Tot Ion: 91 Resp: 42525

Ion Ratio Lower Upper

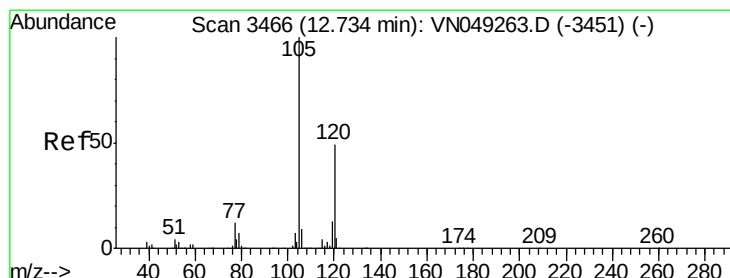
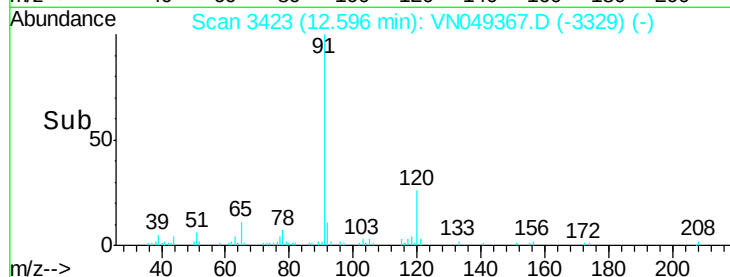
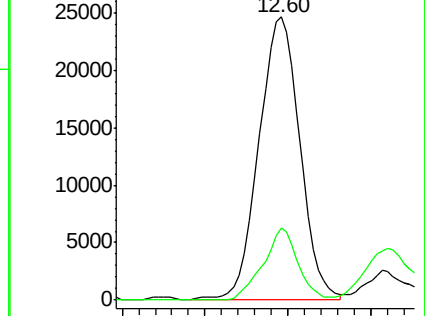
91 100

120 21.7 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3410) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.44 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049367.D

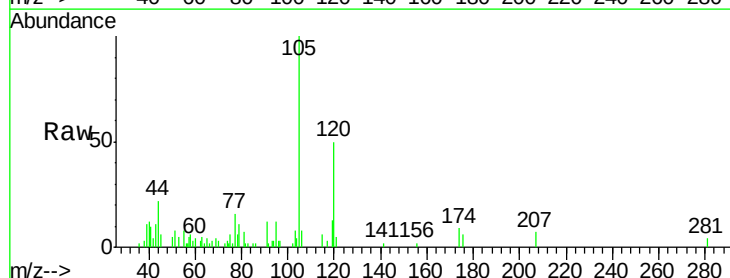
Acq: 19 Jun 2018 2:24

Tgt Ion: 105 Resp: 17576

Ion Ratio Lower Upper

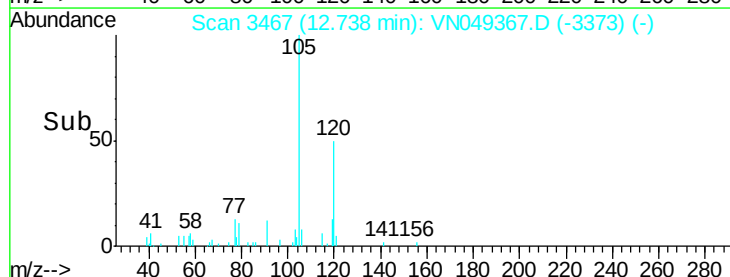
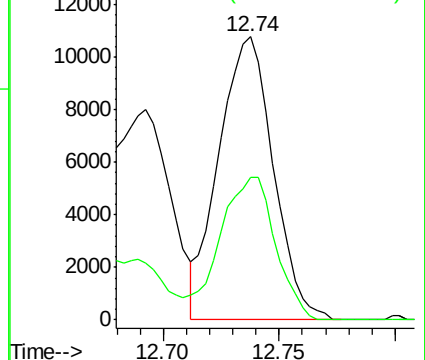
105 100

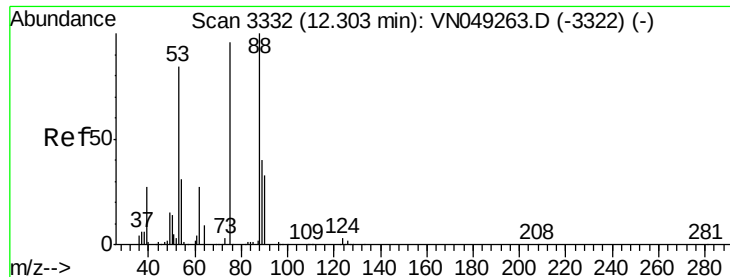
120 51.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3451) (-)

Ion 120.00 (119.70 to 120.70): VN049263.D (-3451) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 110.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

ClientSampleId :

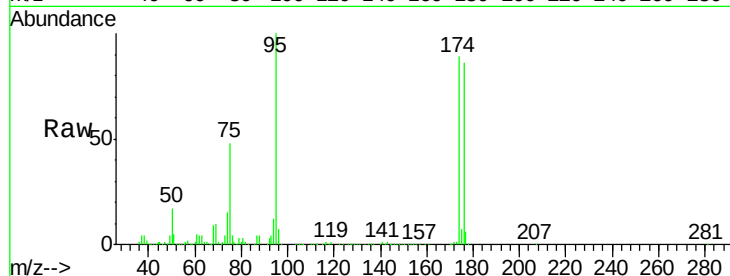
Tot Ion: 75 Resp: 343516

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

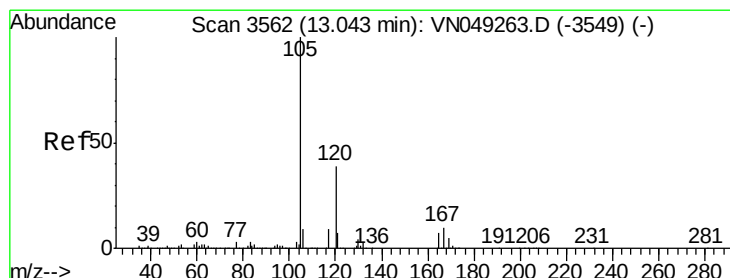
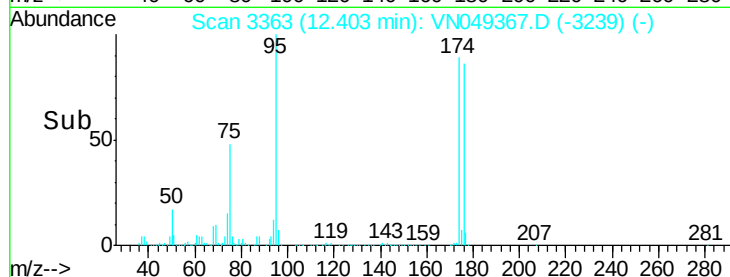
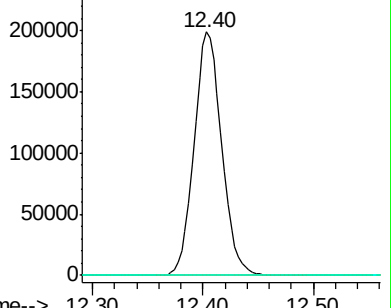
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049367.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049367.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049367.D (-3363) (-)



#84

1,2,4-Trimethylbenzene

Concen: 1.26 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049367.D

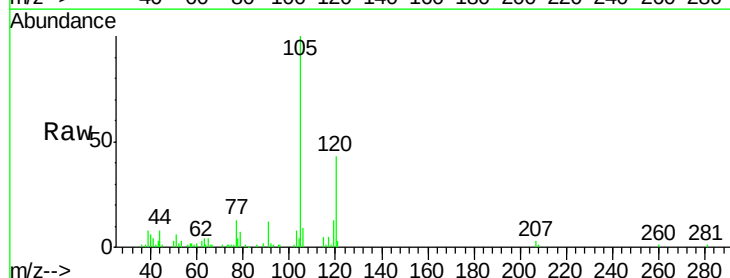
Acq: 19 Jun 2018 2:24

Tgt Ion: 105 Resp: 49734

Ion Ratio Lower Upper

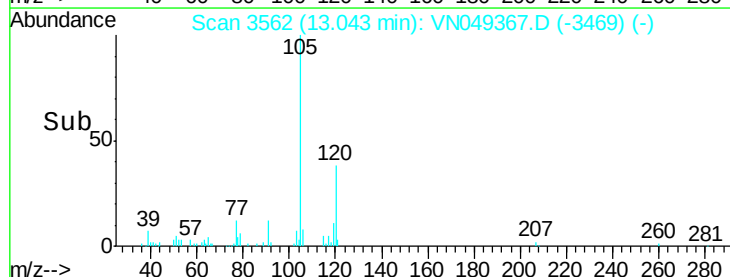
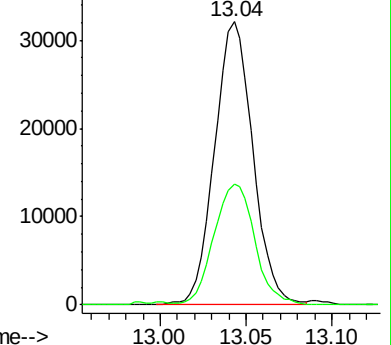
105 100

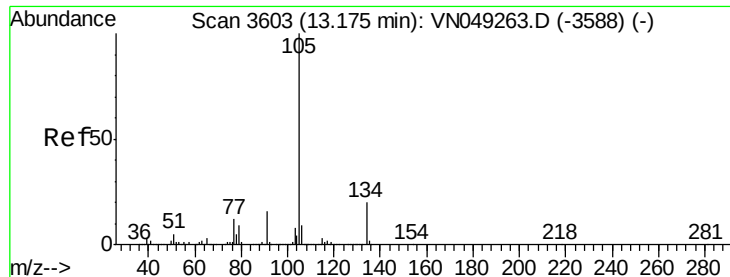
120 45.3 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): VN049367.D (-3562) (-)

Ion 120.00 (119.70 to 120.70): VN049367.D (-3562) (-)





#85

sec-Butylbenzene

Concen: 0.57 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

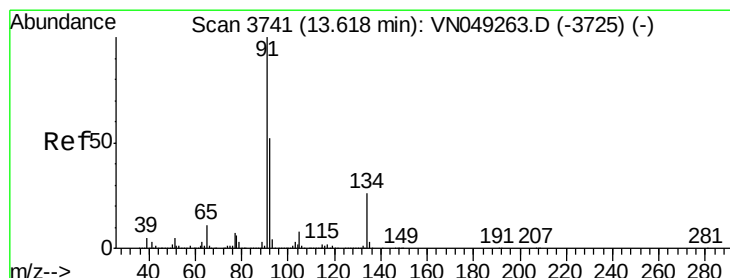
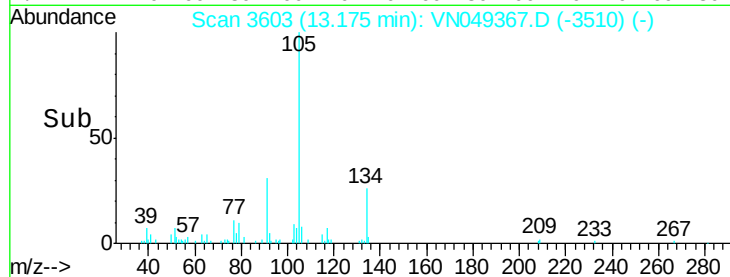
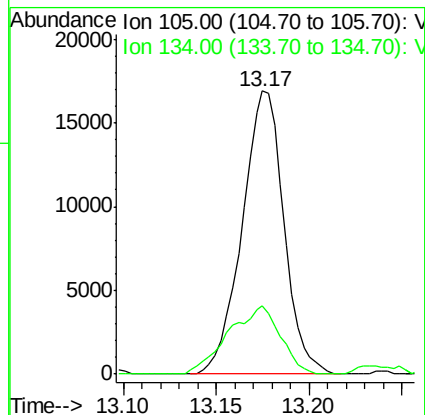
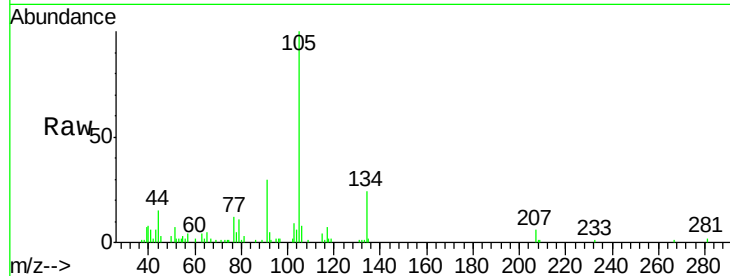
ClientSampled :

Tot Ion:105 Resp: 26497

Ion Ratio Lower Upper

105 100

134 29.9 9.8 29.3#



#89

n-Butylbenzene

Concen: 0.43 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

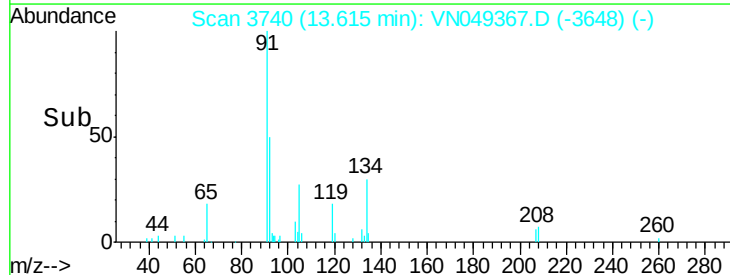
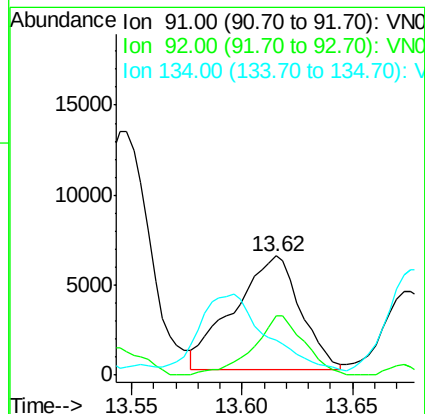
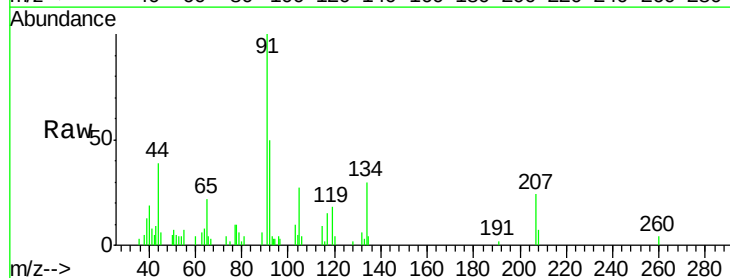
Tgt Ion: 91 Resp: 13126

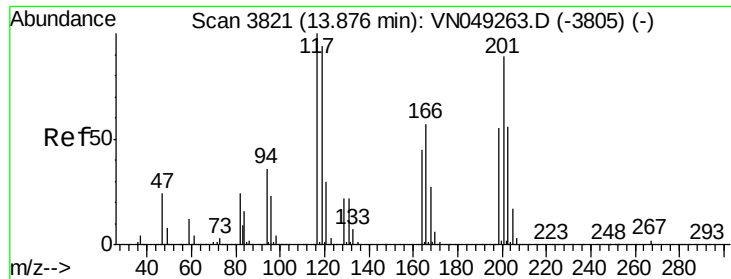
Ion Ratio Lower Upper

91 100

92 40.5 25.1 75.4

134 77.2 12.0 36.0#





#90

Hexachloroethane

Concen: 0.36 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

Instrument :

MSVOA_N

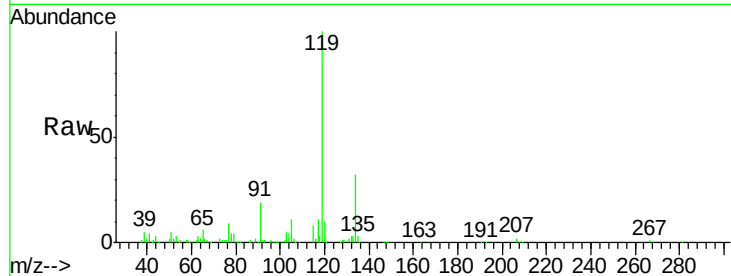
ClientSampled :

Tot Ion:117 Resp: 15129

Ion Ratio Lower Upper

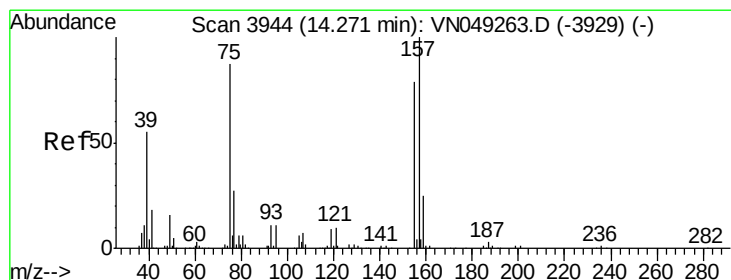
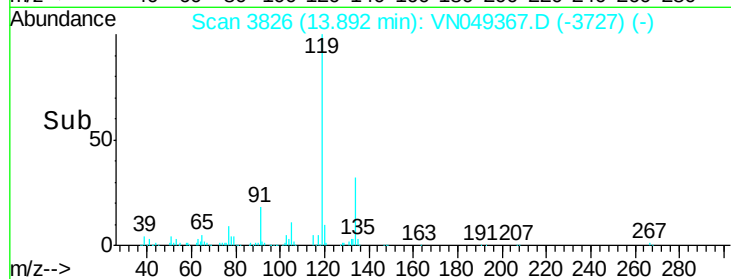
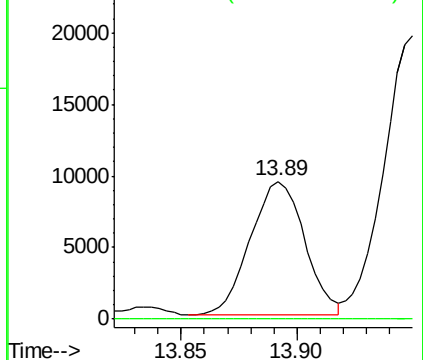
117 100

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: 0.24 ug/l

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN049367.D

Acq: 19 Jun 2018 2:24

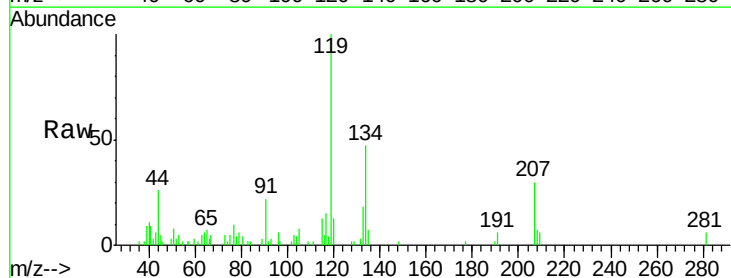
Tgt Ion: 75 Resp: 424

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

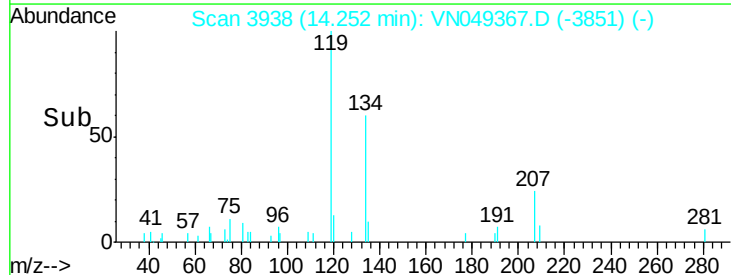
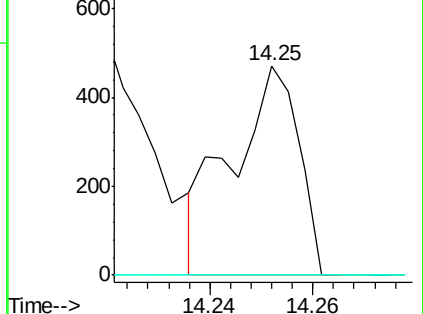
157 0.0 51.0 153.1#

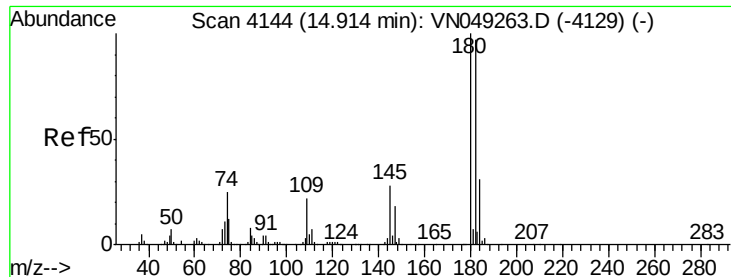


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

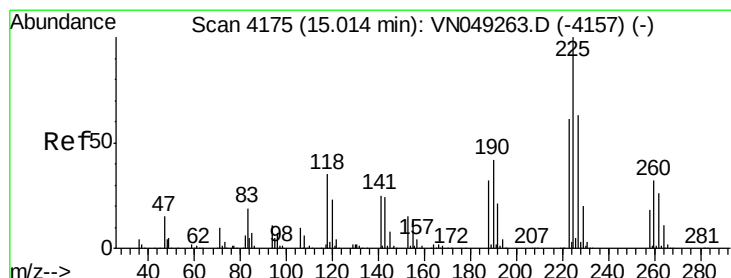
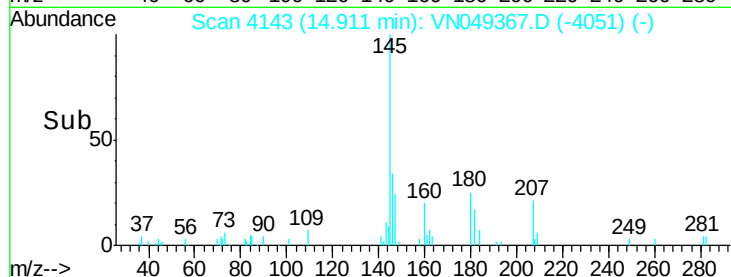
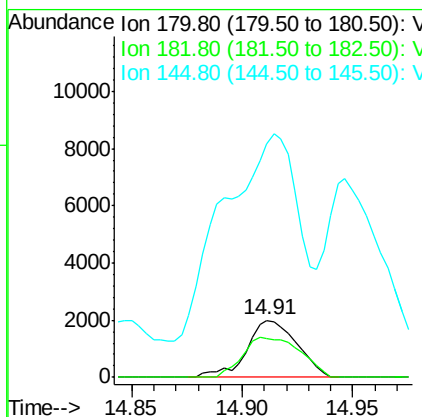
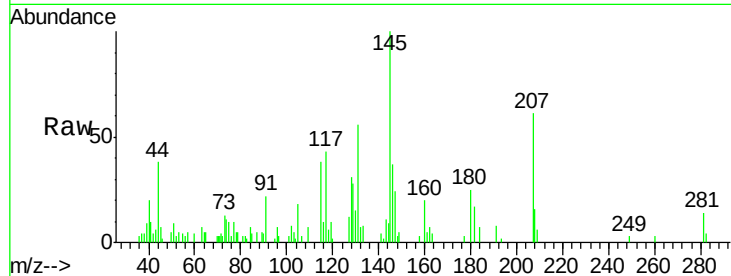




#93
 1,2,4-Trichlorobenzene
 Concen: 5.03 ua/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049367.D
 Acq: 19 Jun 2018 2:24

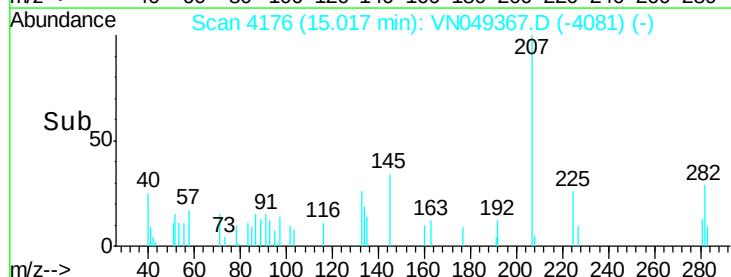
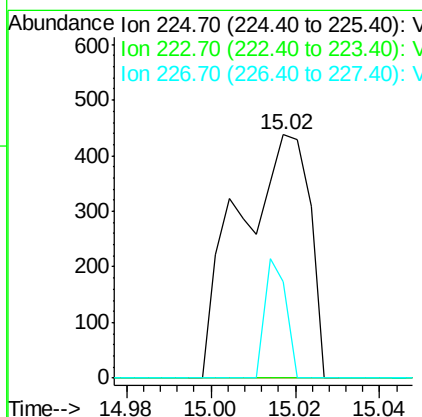
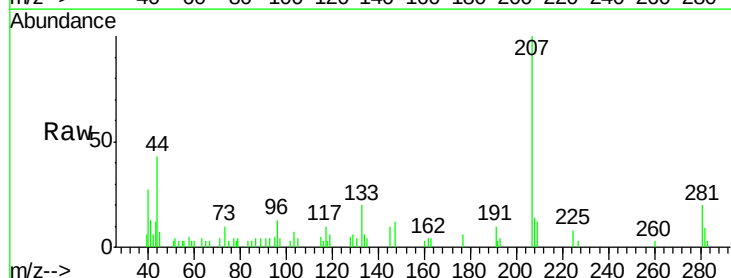
Instrument :
 MSVOA_N
 ClientSampled :

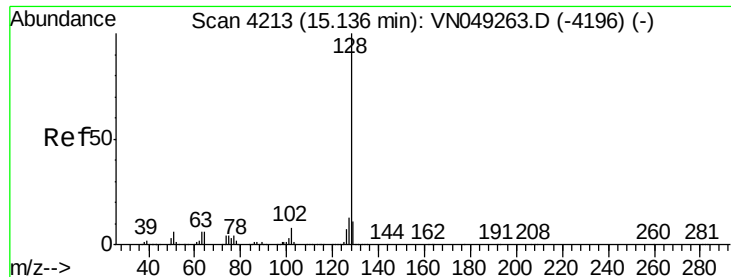
Tot Ion:180 Resp: 3149
 Ion Ratio Lower Upper
 180 100
 182 80.5 46.9 140.8
 145 675.5 14.7 44.1#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.02 min Scan# 4176
 Delta R.T. 0.00 min
 Lab File: VN049367.D
 Acq: 19 Jun 2018 2:24

Tgt Ion:225 Resp: 505
 Ion Ratio Lower Upper
 225 100
 223 0.0 32.1 96.3#
 227 14.9 31.8 95.3#

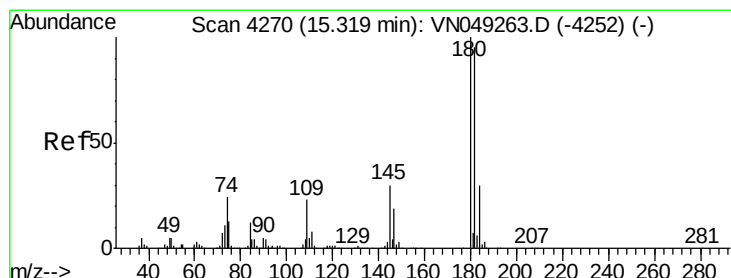
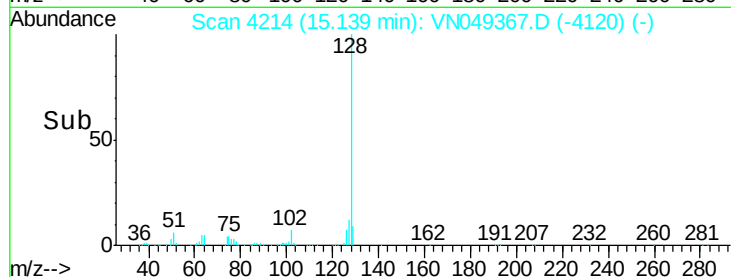
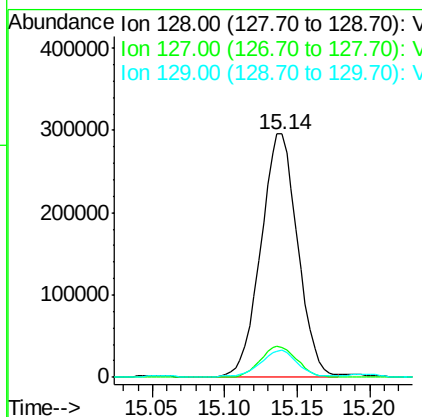
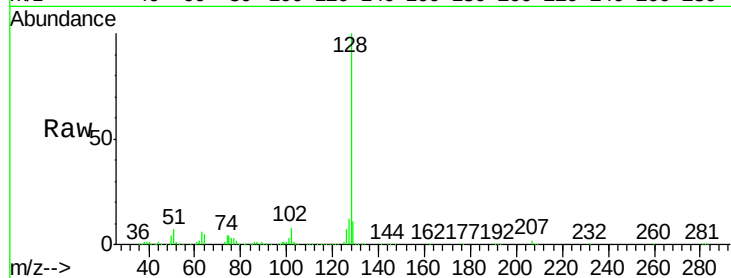




#95
Naphthalene
Concen: 32.00 ug/l
RT: 15.14 min Scan# 4214
Delta R.T. 0.00 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 519448
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 3.62 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049367.D
Acq: 19 Jun 2018 2:24

Tgt Ion:180 Resp: 1682
Ion Ratio Lower Upper
180 100
182 84.9 47.3 141.8
145 1059.3 15.6 46.7#

