

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062018\
 Data File : VN049455.D
 Acq On : 20 Jun 2018 23:30
 Operator : MD\SY
 Sample : J3584-20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 21 01:36:58 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	1176490	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1887316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1566314	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	489330	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	805148	51.60	ug/l	0.00
Spiked Amount			Recovery	=	103.20%	
35) Dibromofluoromethane	7.59	113	703510	46.07	ug/l	0.00
Spiked Amount			Recovery	=	92.14%	
50) Toluene-d8	10.09	98	2571934	44.24	ug/l	0.00
Spiked Amount			Recovery	=	88.48%	
62) 4-Bromofluorobenzene	12.41	95	677844	35.26	ug/l	0.00
Spiked Amount			Recovery	=	70.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.82	59	212	0.23	ug/l #	70
13) Acrolein	3.59	56	202	0.21	ug/l #	1
16) Acetone	3.83	43	56071	14.80	ug/l #	83
18) Methyl Acetate	4.33	43	96845	8.38	ug/l	95
20) Methylene Chloride	4.55	84	370863	23.44	ug/l	94
25) 2-Butanone	6.85	43	10964	2.16	ug/l	92
29) Tetrahydrofuran	7.23	42	3747	1.14	ug/l #	84
30) Chloroform	7.38	83	17890	0.66	ug/l	89
31) Cyclohexane	7.67	56	20577	0.72	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	80882	3.74	ug/l #	49
38) Carbon Tetrachloride	7.67	117	106085	4.74	ug/l #	17
43) Isopropyl Acetate	8.24	43	412807	18.37	ug/l #	64
47) Bromodichloromethane	9.40	83	8562	0.39	ug/l	89
51) 4-Methyl-2-Pentanone	9.99	43	5254	0.45	ug/l	96
52) Toluene	10.16	92	12159	0.31	ug/l	99
64) Tetrachloroethene	10.63	164	4964	0.31	ug/l	84
65) Chlorobenzene	11.43	112	12563	0.31	ug/l	100
67) Ethyl Benzene	11.51	91	52934	0.79	ug/l	100
68) m/p-Xylenes	11.62	106	60080	2.39	ug/l	98
69) o-Xylene	11.95	106	17209	0.71	ug/l	94
70) Styrene	11.97	104	7884	0.21	ug/l #	60
71) Bromoform	12.41	173	5024	0.51	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.51	83	29	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.41	75	334706	40.09	ug/l #	100
78) n-propylbenzene	12.59	91	10416	0.22	ug/l	99
79) 2-Chlorotoluene	12.67	91	6928	0.23	ug/l #	46
80) 1,3,5-Trimethylbenzene	12.73	105	18642	0.55	ug/l	90
81) trans-1,4-Dichloro-2-buten	12.41	75	334706	126.70	ug/l #	9
83) tert-Butylbenzene	13.04	119	8522	0.28	ug/l #	68
84) 1,2,4-Trimethylbenzene	13.04	105	60332	1.80	ug/l	99
90) Hexachloroethane	13.89	117	2335	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.91	180	865	4.84	ug/l #	38
95) Naphthalene	15.14	128	159447	13.46	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	214	3.48	ug/l #	1

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

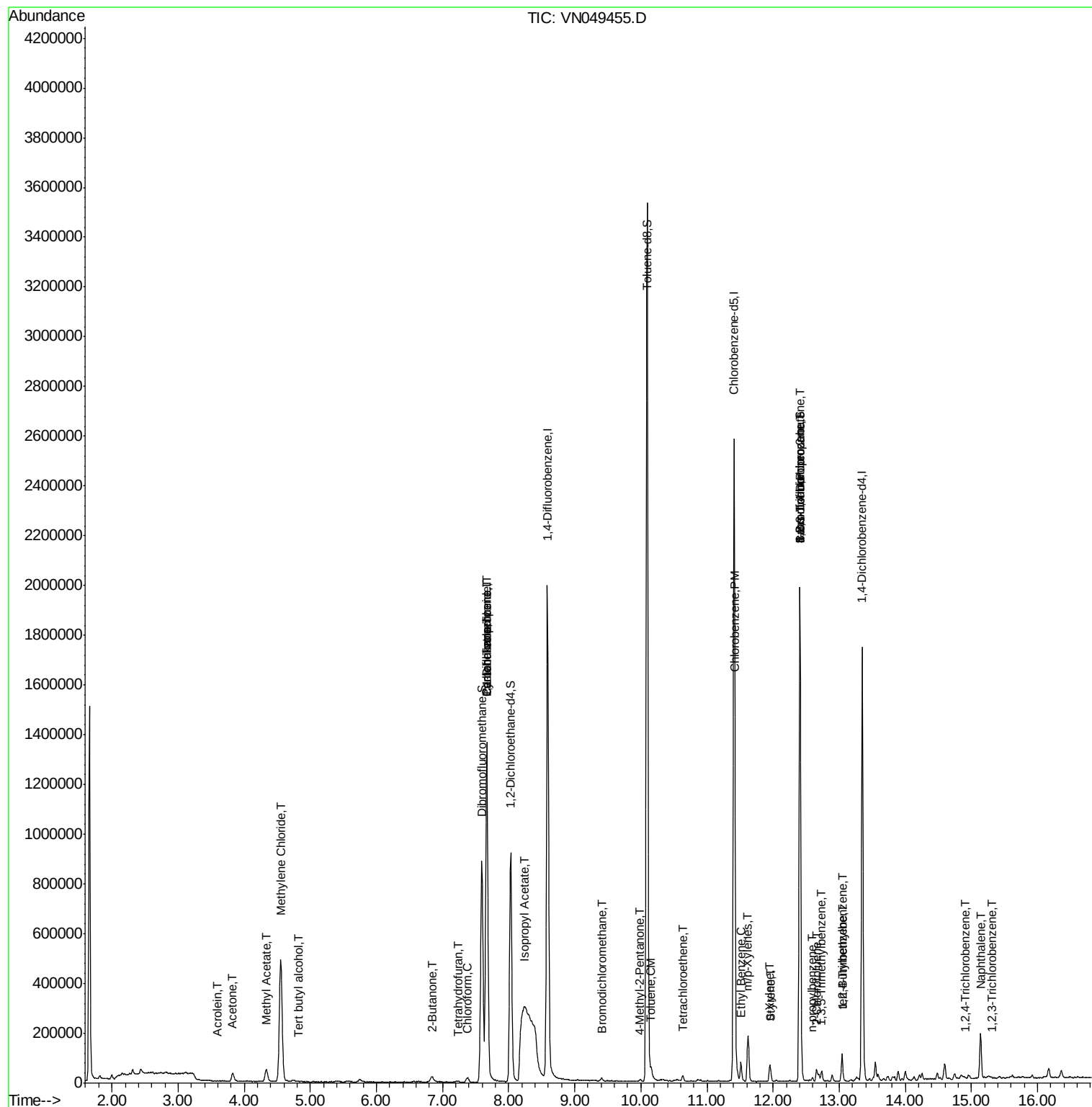
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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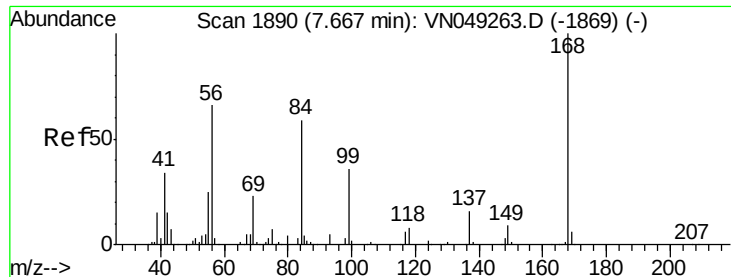
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

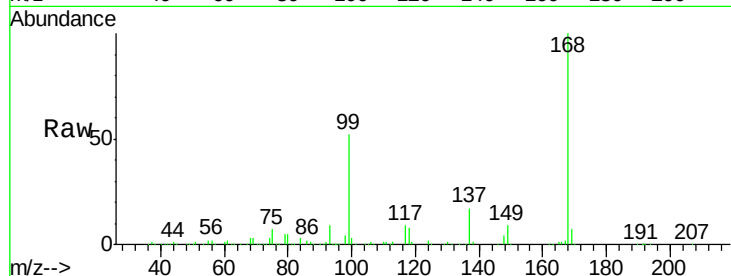
ClientSampleId :

Tot Ion:168 Resp: 1176490

Ion Ratio Lower Upper

168 100

99 51.8 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

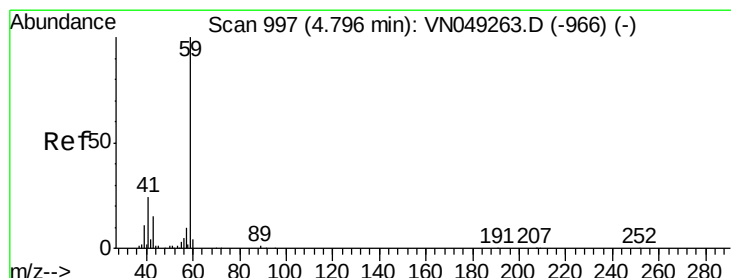
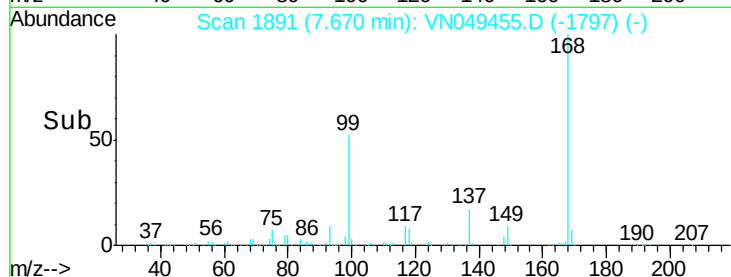
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.23 ug/l

RT: 4.82 min Scan# 1005

Delta R.T. 0.03 min

Lab File: VN049455.D

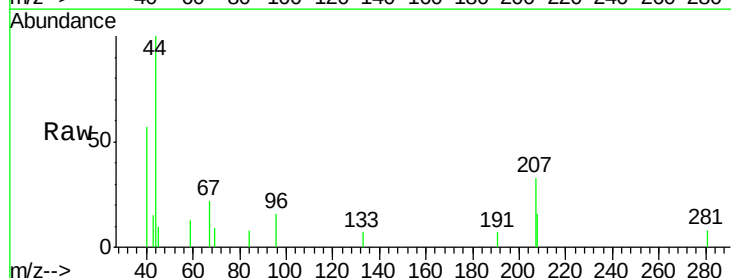
Acq: 20 Jun 2018 23:30

Tgt Ion: 59 Resp: 212

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

4.82

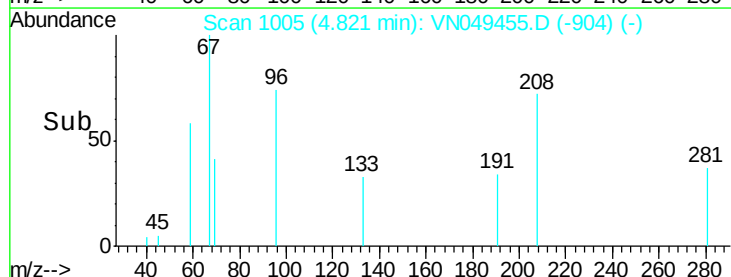
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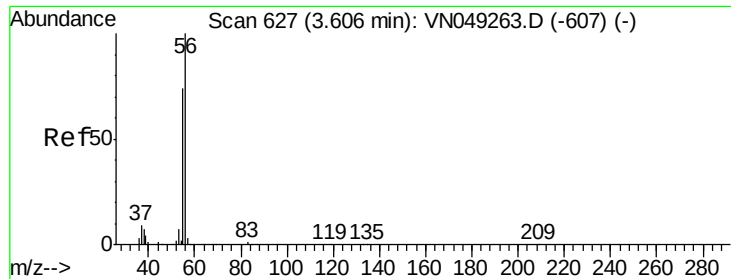
200

100

0

Time-->





#13

Acrolein

Concen: 0.21 ug/l

RT: 3.59 min Scan# 622

Delta R.T. -0.02 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

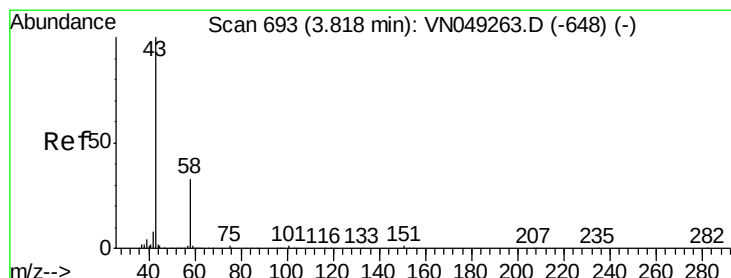
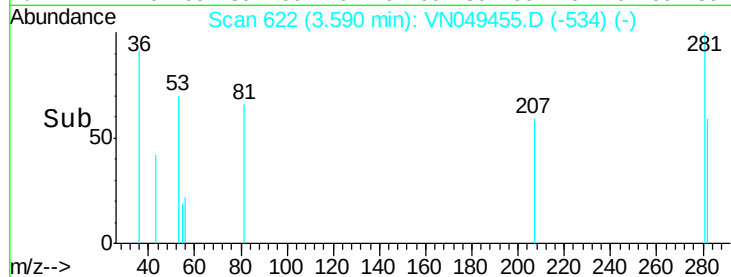
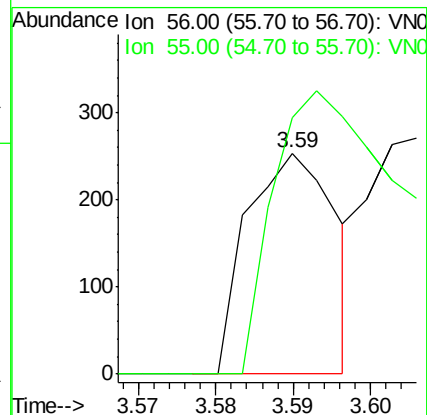
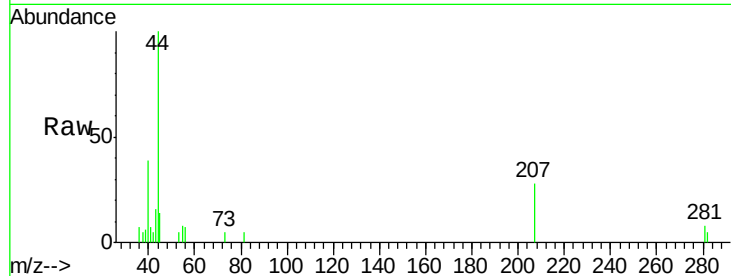
ClientSampleId :

Tot Ion: 56 Resp: 202

Ion Ratio Lower Upper

56 100

55 171.3 57.1 85.7#



#16

Acetone

Concen: 14.80 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049455.D

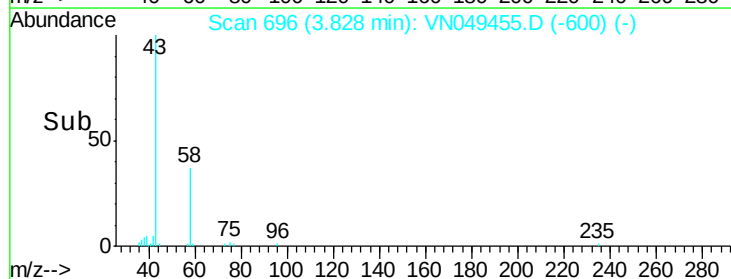
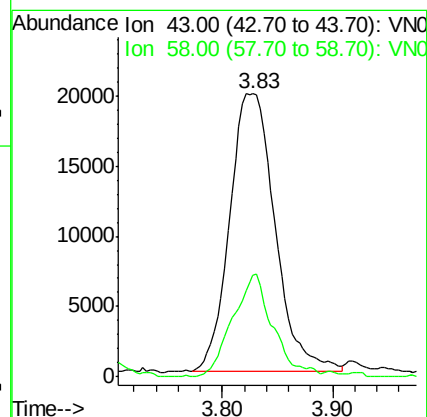
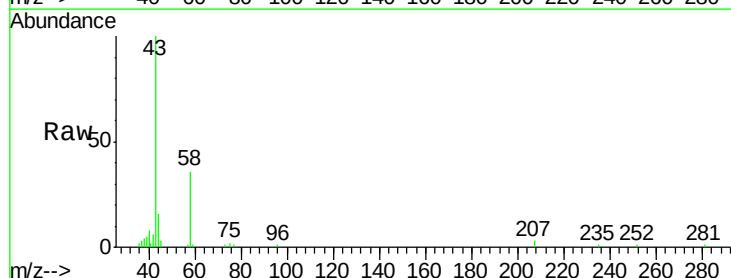
Acq: 20 Jun 2018 23:30

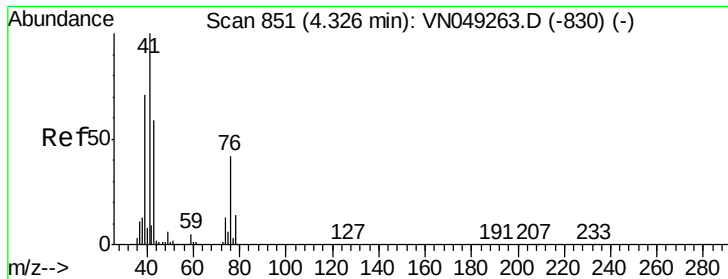
Tgt Ion: 43 Resp: 56071

Ion Ratio Lower Upper

43 100

58 36.9 22.4 33.6#

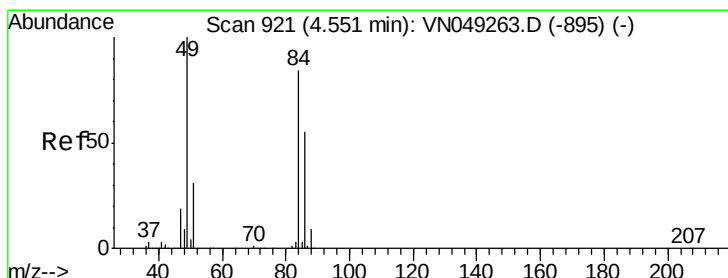
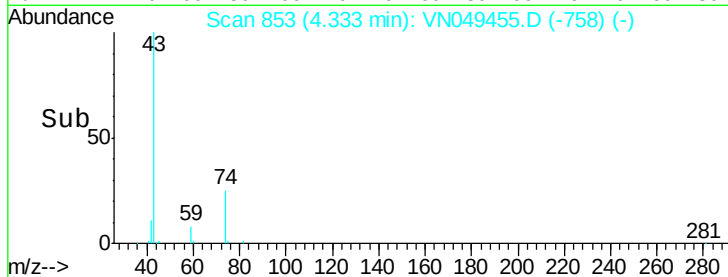
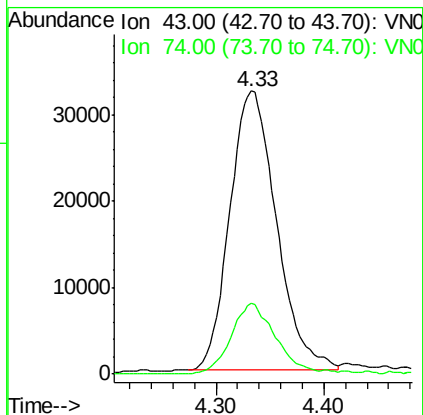
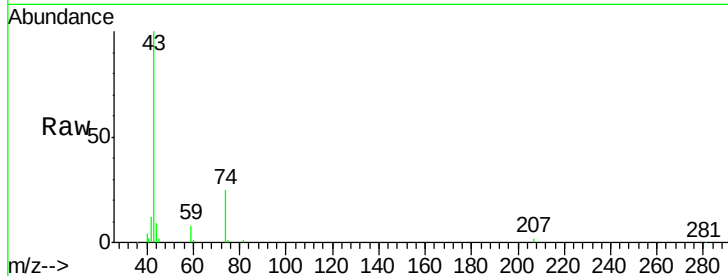




#18
Methyl Acetate
Concen: 8.38 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

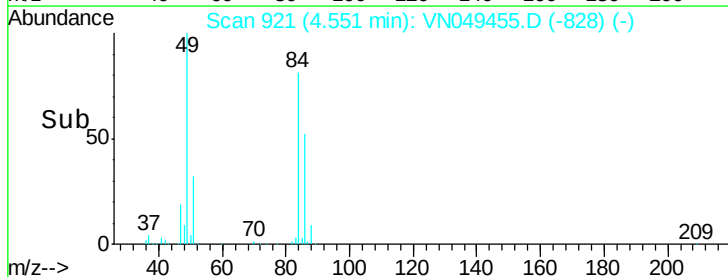
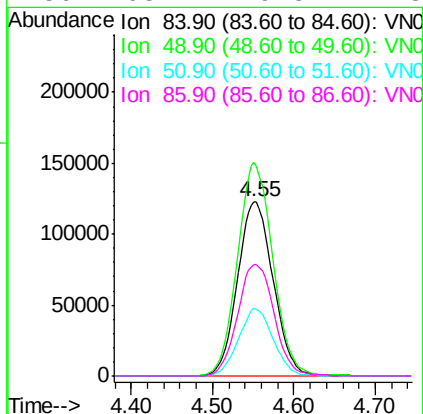
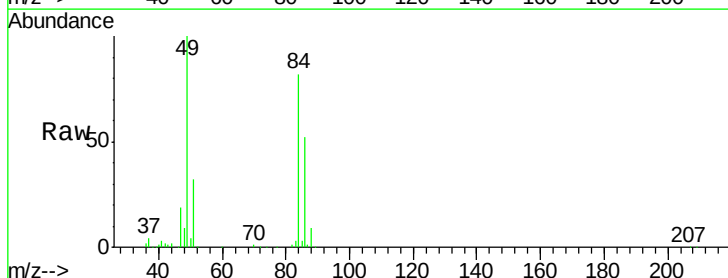
Instrument :
MSVOA_N
ClientSampled :

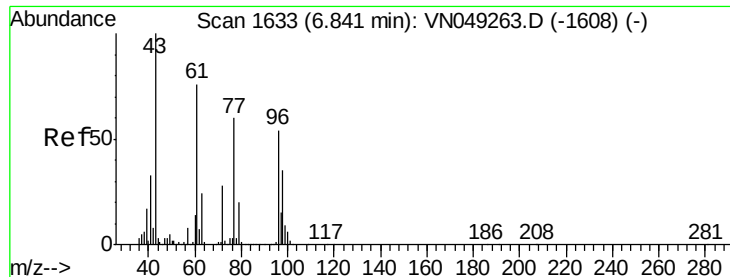
Tot Ion: 43 Resp: 96845
Ion Ratio Lower Upper
43 100
74 24.2 17.4 26.0



#20
Methylene Chloride
Concen: 23.44 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Tgt Ion: 84 Resp: 370863
Ion Ratio Lower Upper
84 100
49 122.7 106.9 160.3
51 38.8 32.7 49.1
86 63.7 49.8 74.8

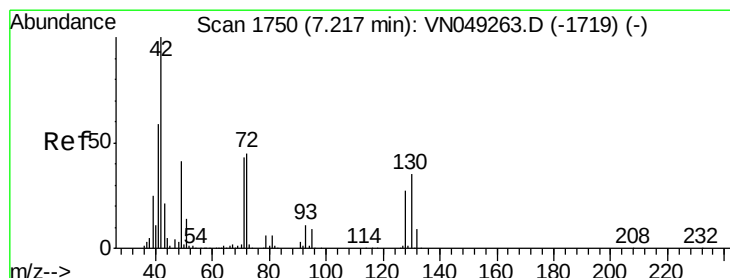
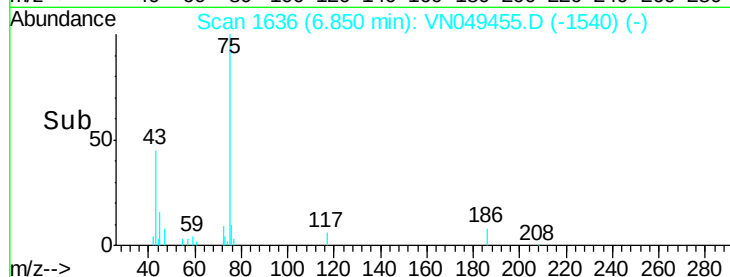
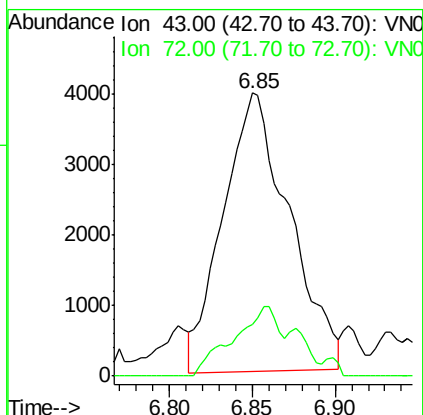
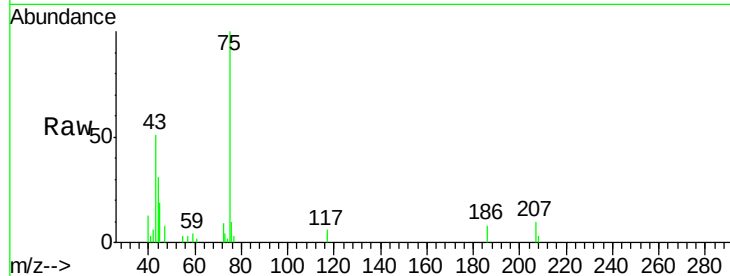




#25
2-Butanone
Concen: 2.16 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

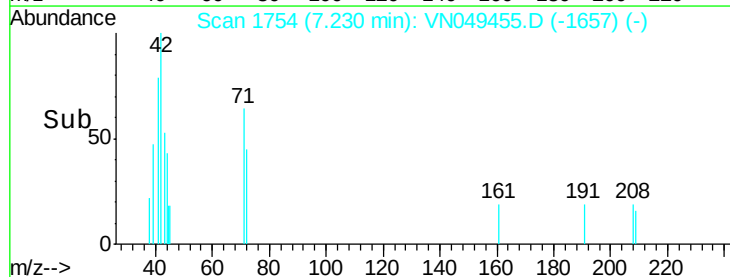
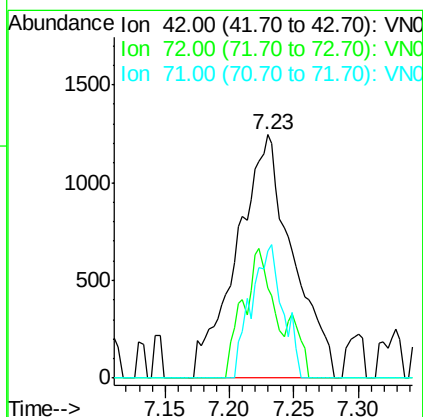
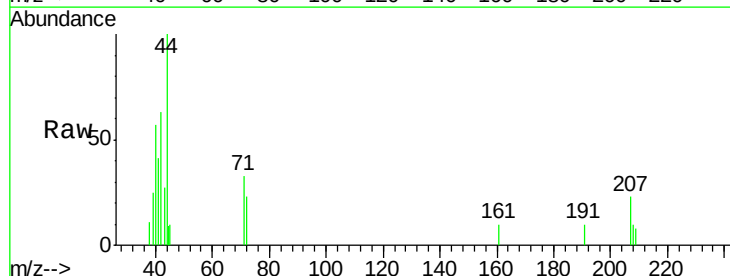
Instrument :
MSVOA_N
ClientSampled :

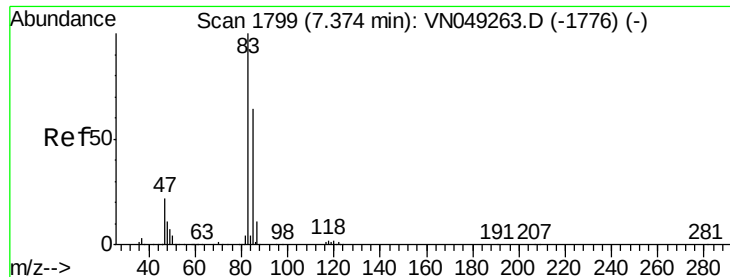
Tot Ion: 43 Resp: 10964
Ion Ratio Lower Upper
43 100
72 21.2 20.2 30.2



#29
Tetrahydrofuran
Concen: 1.14 ug/l
RT: 7.23 min Scan# 1754
Delta R.T. 0.01 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Tgt Ion: 42 Resp: 3747
Ion Ratio Lower Upper
42 100
72 28.4 32.2 48.4#
71 31.0 30.5 45.7

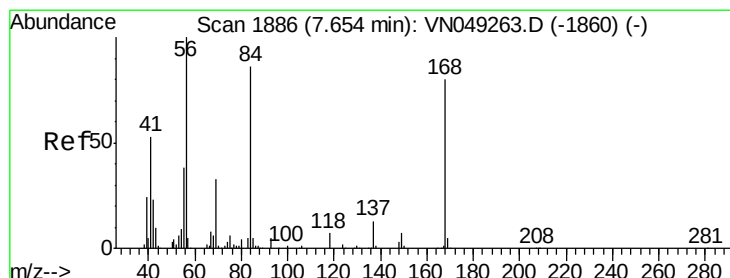
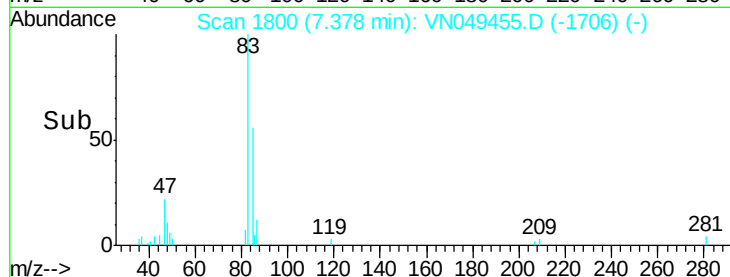
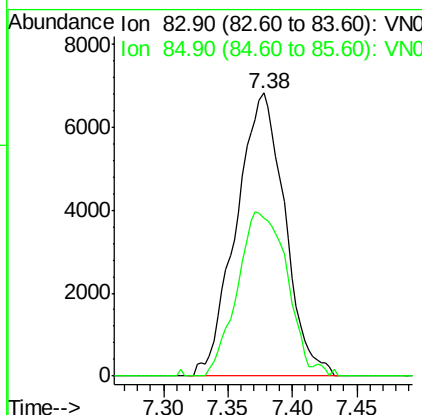
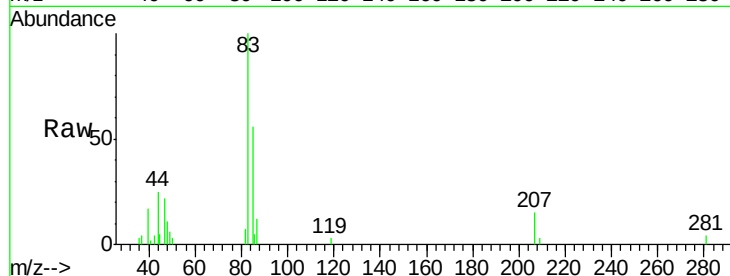




#30
Chloroform
Concen: 0.66 ug/l
RT: 7.38 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

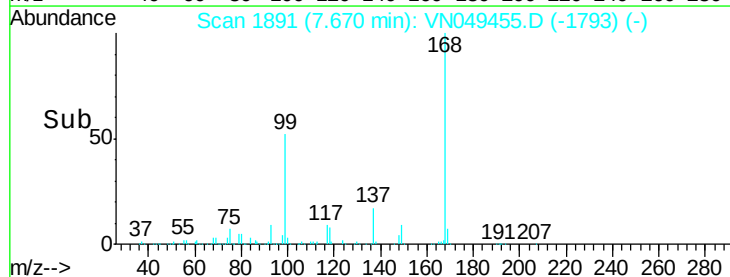
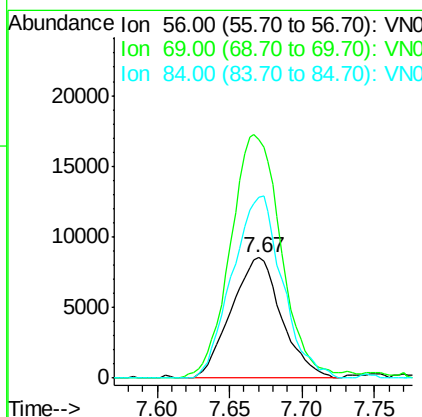
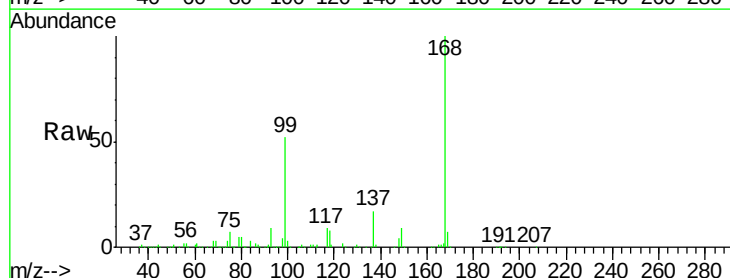
Instrument :
MSVOA_N
ClientSampled :

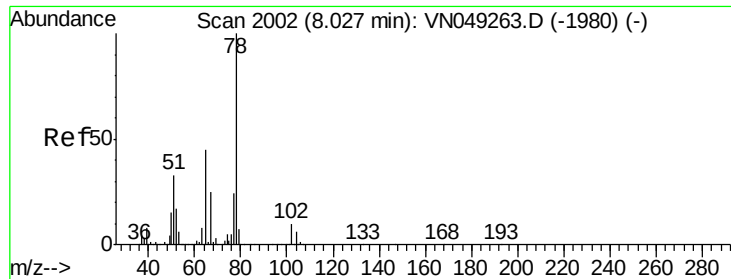
Tot Ion: 83 Resp: 17890
Ion Ratio Lower Upper
83 100
85 56.0 51.7 77.5



#31
Cyclohexane
Concen: 0.72 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Tgt Ion: 56 Resp: 20577
Ion Ratio Lower Upper
56 100
69 195.5 25.0 37.4#
84 150.5 64.6 96.8#

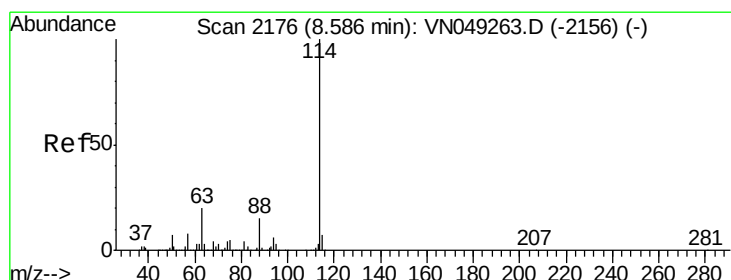
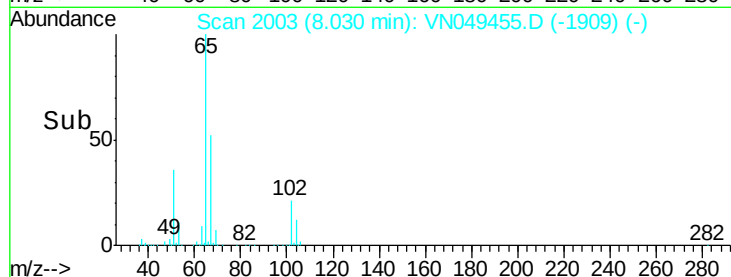
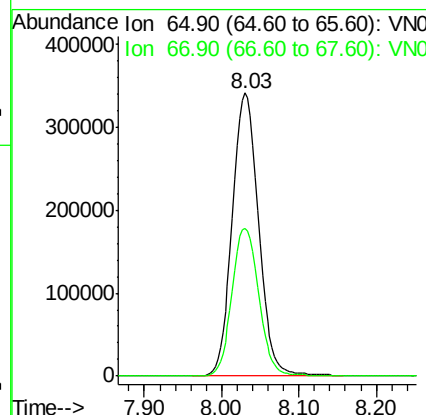
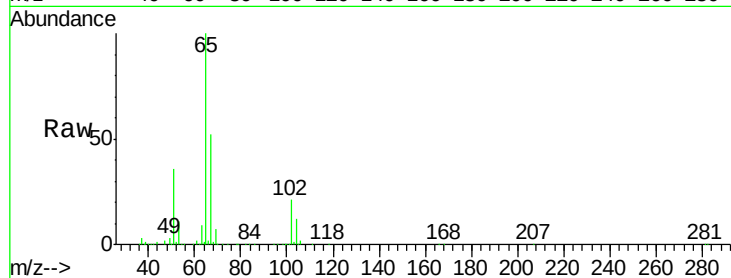




#33
 1,2-Dichloroethane-d4
 Concen: 51.60 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049455.D
 Acq: 20 Jun 2018 23:30

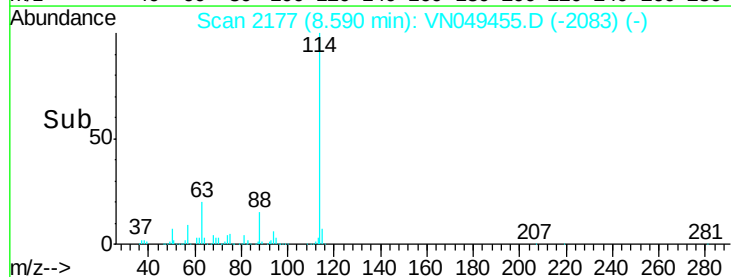
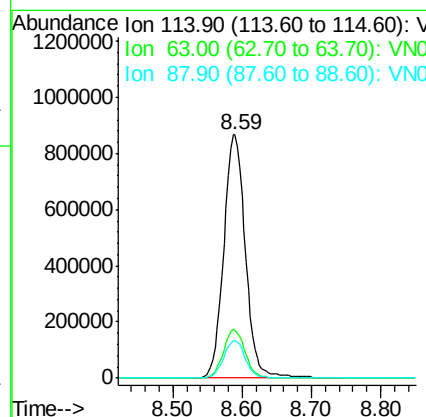
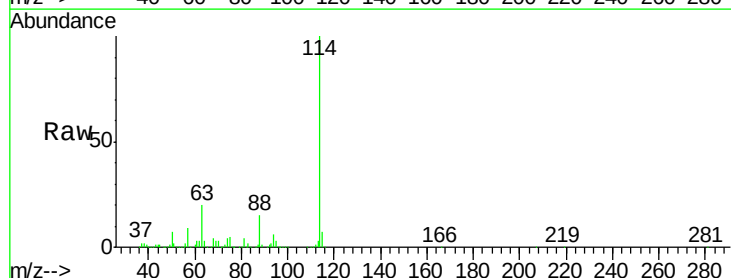
Instrument :
 MSVOA_N
 ClientSampleId :

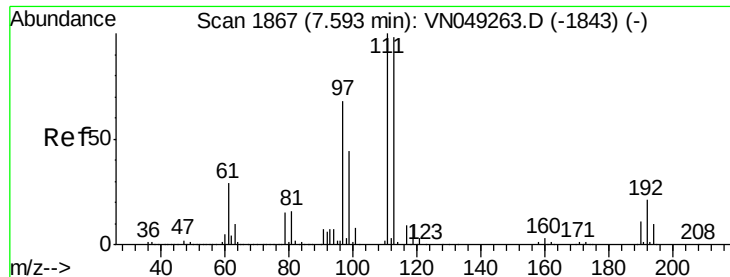
Tot Ion: 65 Resp: 805148
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049455.D
 Acq: 20 Jun 2018 23:30

Tgt Ion: 114 Resp: 1887316
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 44.4
 88 15.4 0.0 31.4

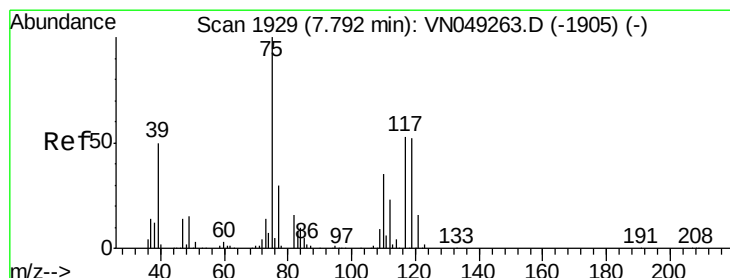
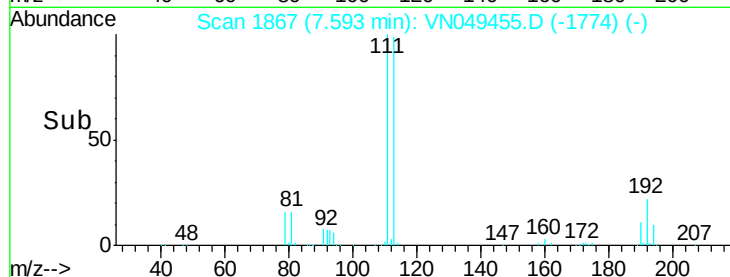
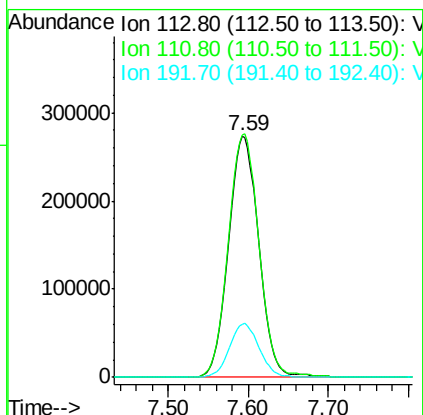
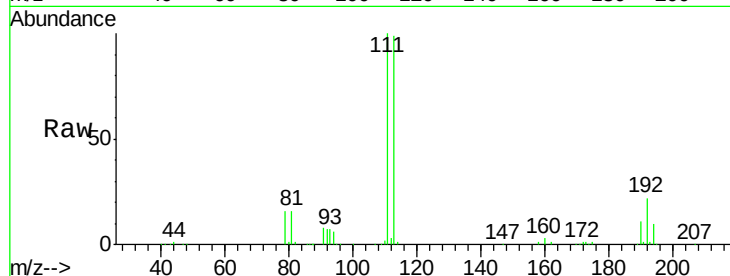




#35
Dibromofluoromethane
Concen: 46.07 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

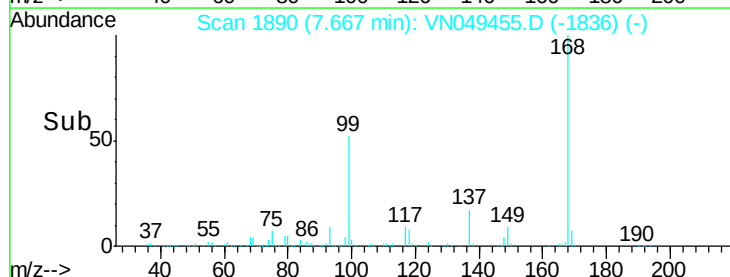
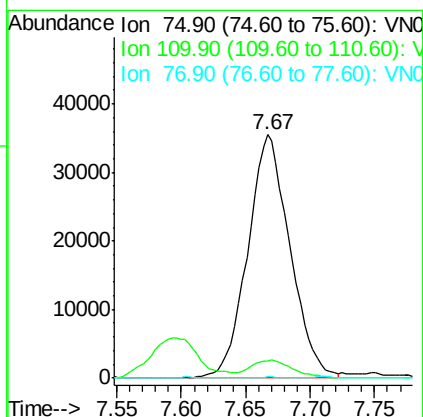
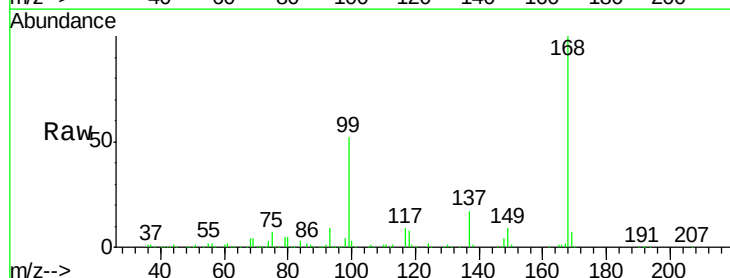
Instrument :
MSVOA_N
ClientSampleId :

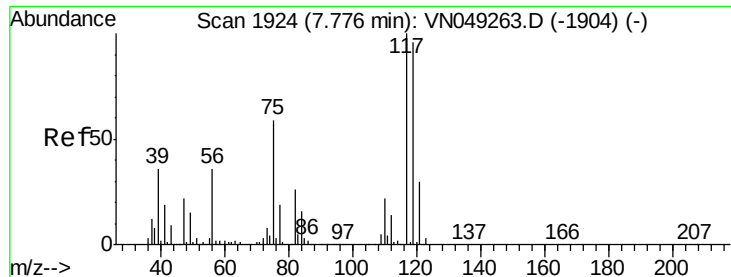
Tot Ion:113 Resp: 703510
Ion Ratio Lower Upper
113 100
111 102.0 82.4 123.6
192 21.8 15.0 22.6



#36
1,1-Dichloropropene
Concen: 3.74 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Tgt Ion: 75 Resp: 80882
Ion Ratio Lower Upper
75 100
110 7.6 17.0 50.9#
77 0.1 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.74 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

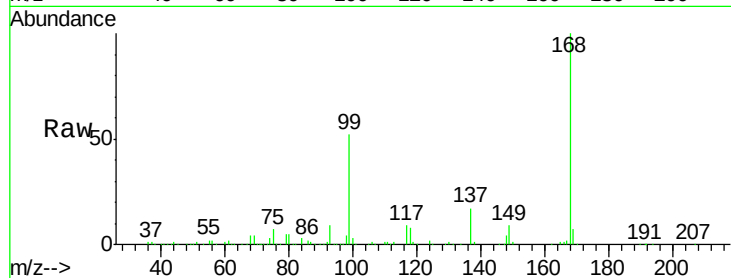
Tot Ion:117 Resp: 106085

Ion Ratio Lower Upper

117 100

119 6.1 75.6 113.4#

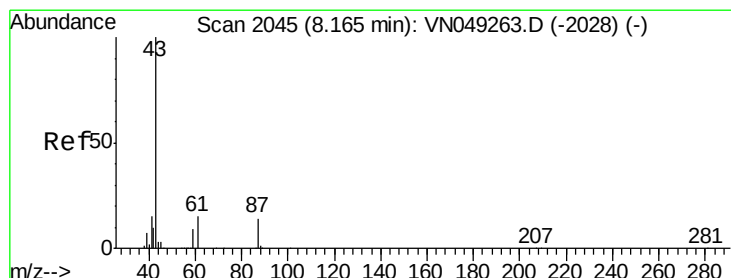
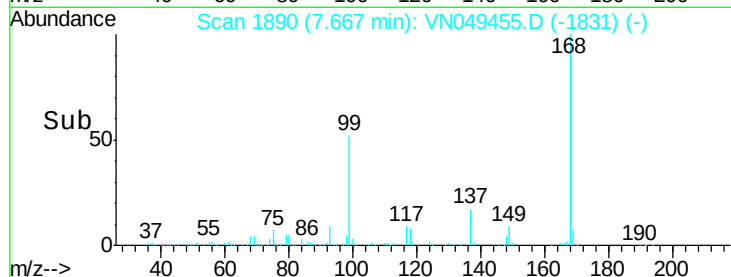
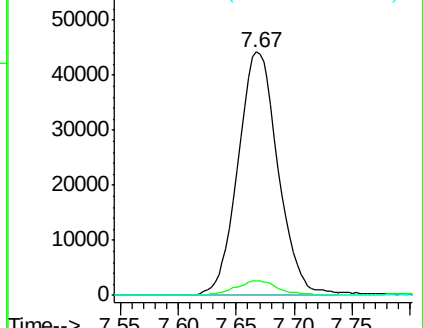
121 0.0 24.7 37.1#



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: 18.37 ug/l

RT: 8.24 min Scan# 2067

Delta R.T. 0.07 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

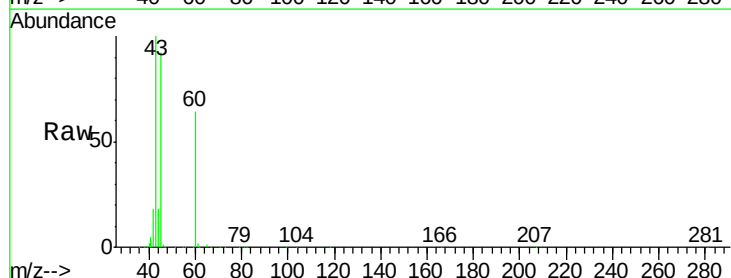
Tgt Ion: 43 Resp: 412807

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

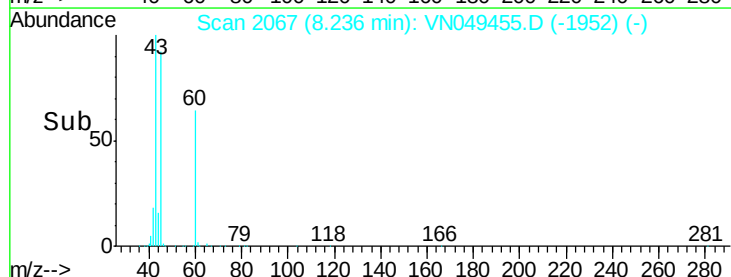
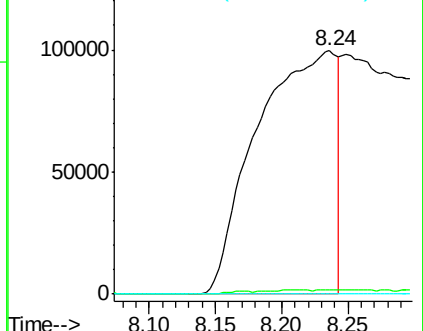
87 0.0 9.4 14.0#

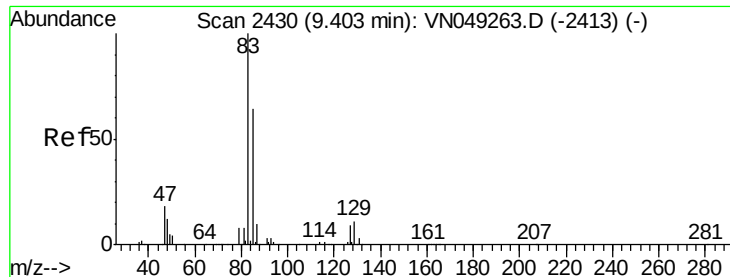


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#47

Bromodichloromethane

Concen: 0.39 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :
MSVOA_N
ClientSampled :

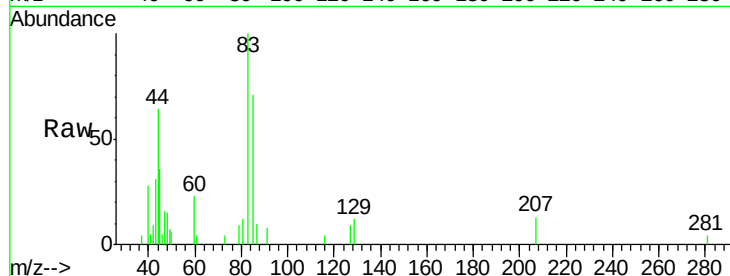
Tot Ion: 83 Resp: 8562

Ion Ratio Lower Upper

83 100

85 71.2 49.4 74.0

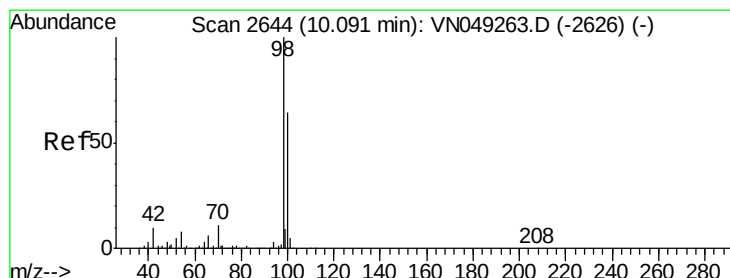
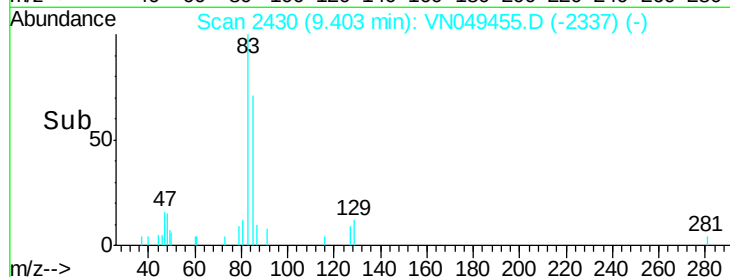
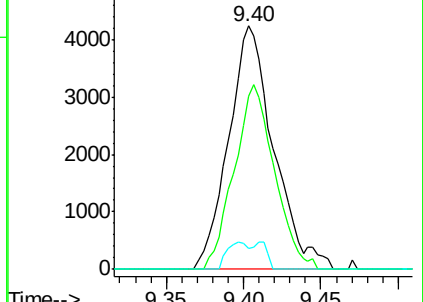
127 8.8 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049455.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049455.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049455.D (-2337) (-)



#50

Toluene-d8

Concen: 44.24 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049455.D

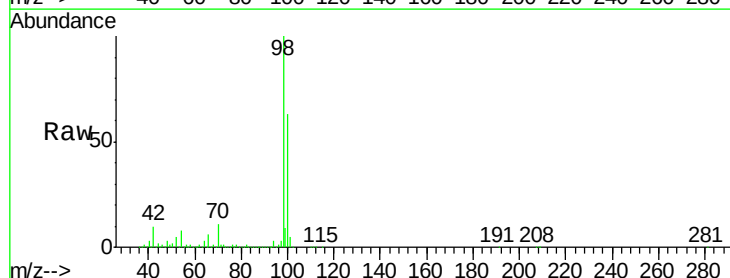
Acq: 20 Jun 2018 23:30

Tgt Ion: 98 Resp: 2571934

Ion Ratio Lower Upper

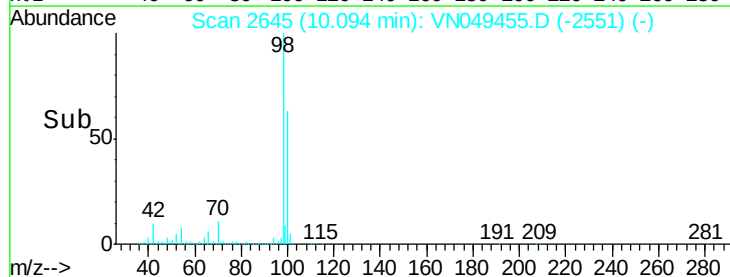
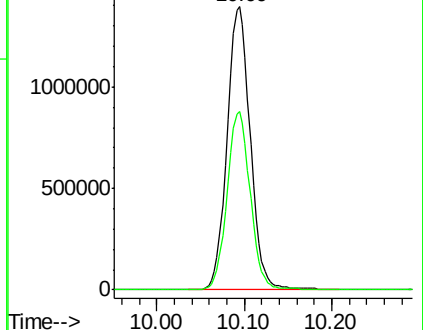
98 100

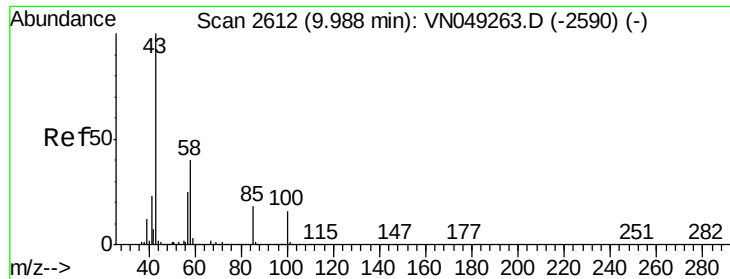
100 62.9 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049455.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049455.D (-2551) (-)

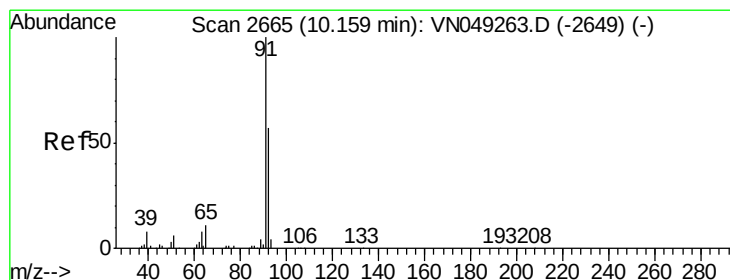
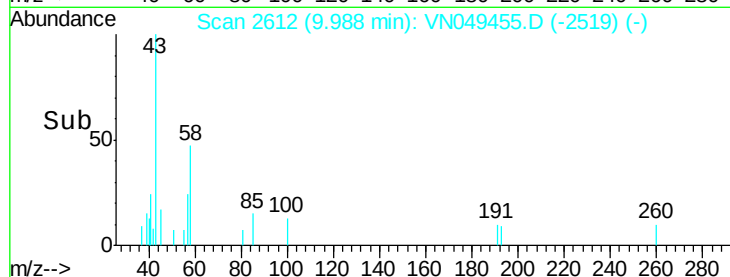
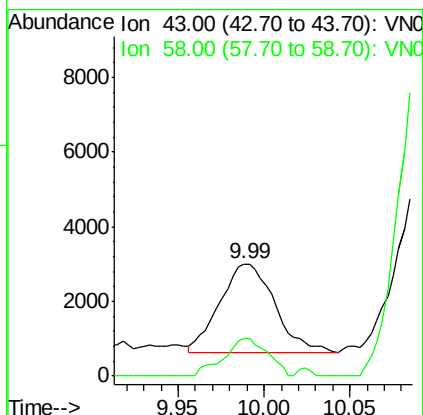
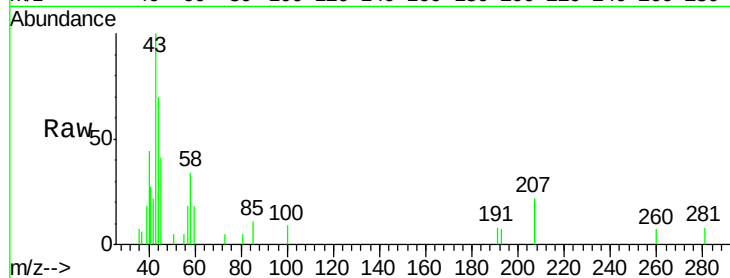




#51
4-Methyl-2-Pentanone
Concen: 0.45 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

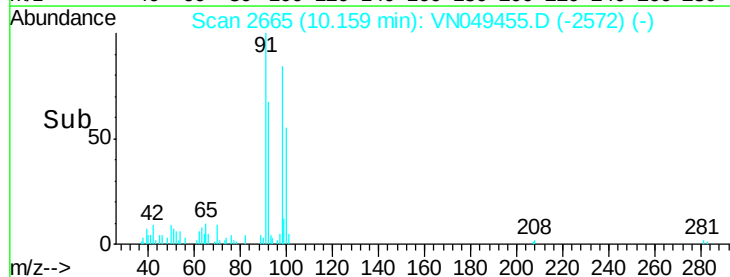
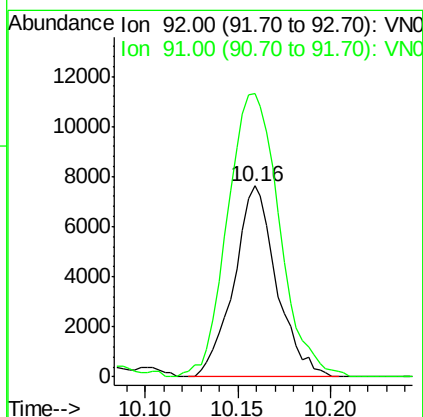
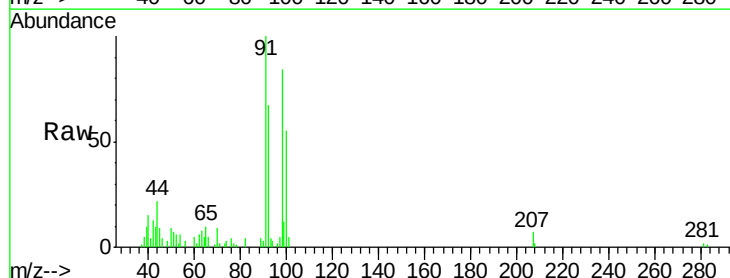
Instrument :
MSVOA_N
ClientSampled :

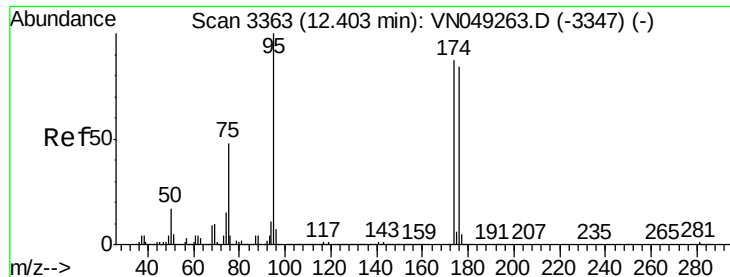
Tot Ion: 43 Resp: 5254
Ion Ratio Lower Upper
43 100
58 34.0 29.0 43.6



#52
Toluene
Concen: 0.31 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Tgt Ion: 92 Resp: 12159
Ion Ratio Lower Upper
92 100
91 180.6 143.4 215.2





#62

4-Bromofluorobenzene

Concen: 35.26 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

ClientSampled :

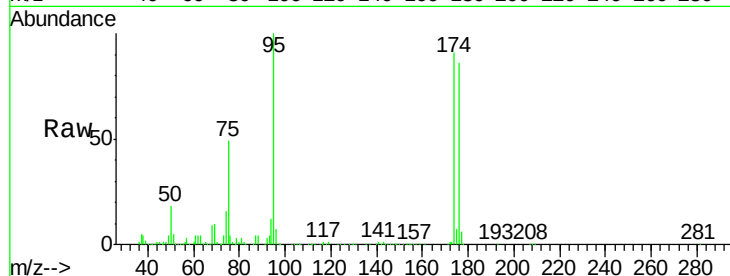
Tot Ion: 95 Resp: 677844

Ion Ratio Lower Upper

95 100

174 91.6 0.0 165.6

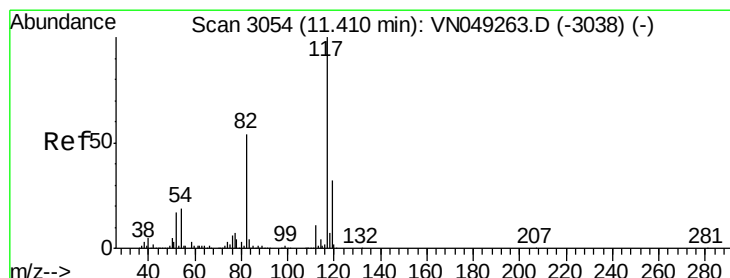
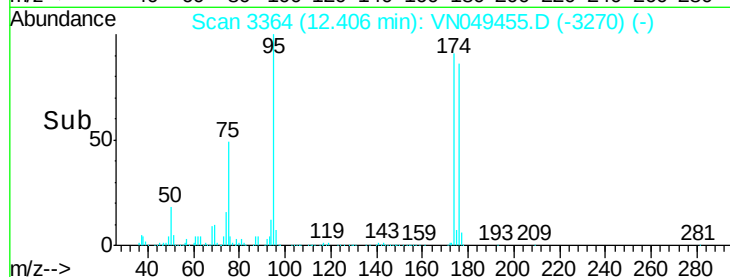
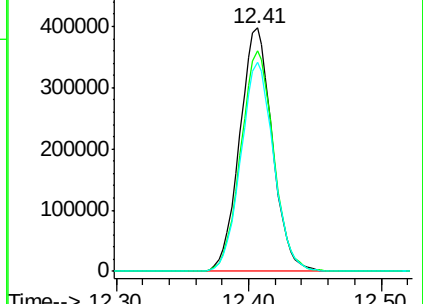
176 86.7 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049263.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049263.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049263.D (-3347) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

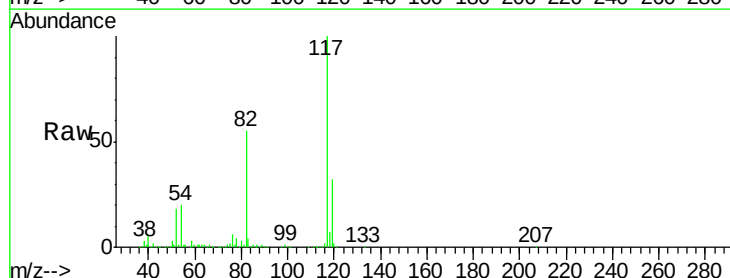
Tgt Ion: 117 Resp: 1566314

Ion Ratio Lower Upper

117 100

82 54.8 45.9 68.9

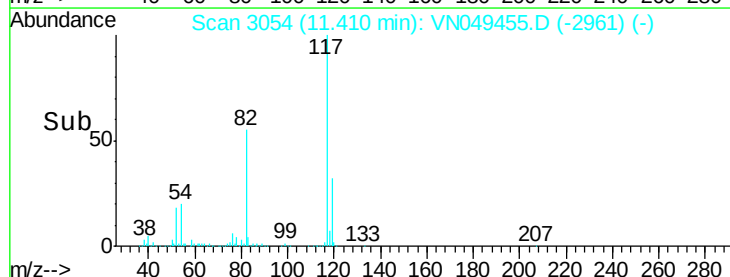
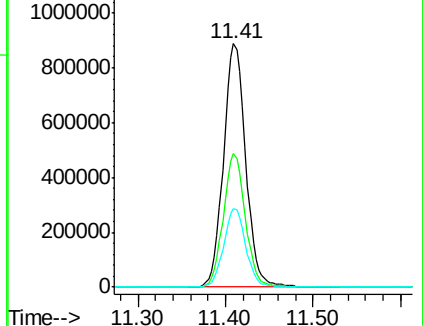
119 32.1 25.5 38.3

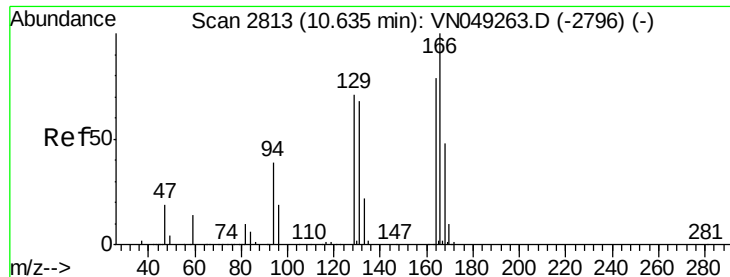


Abundance Ion 116.90 (116.60 to 117.60): VN049263.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049263.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049263.D (-3038) (-)

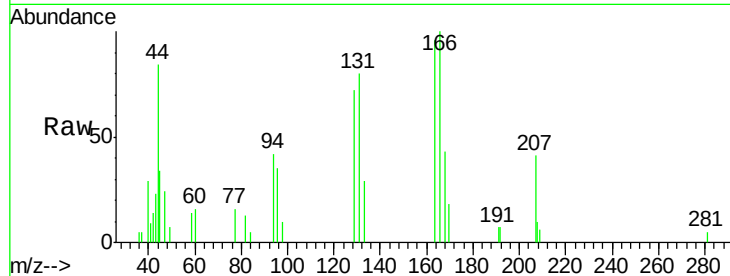




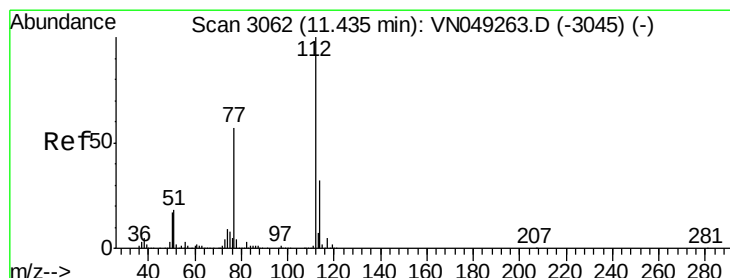
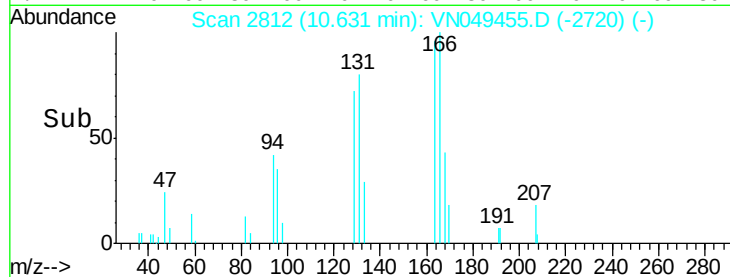
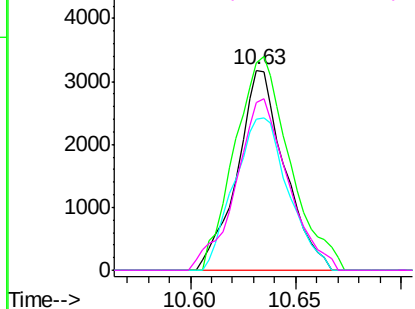
#64
Tetrachloroethene
Concen: 0.31 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:164 Resp: 4964
Ion Ratio Lower Upper
164 100
166 103.8 101.4 152.2
129 75.2 74.1 111.1
131 83.5 73.7 110.5

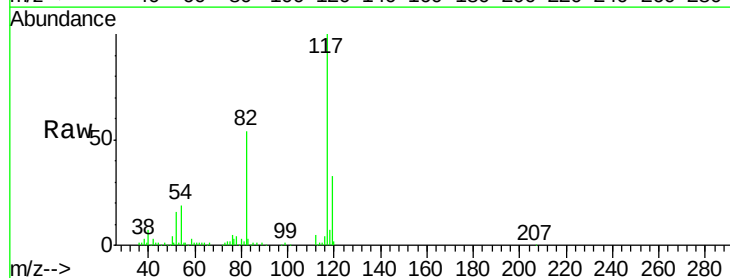


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

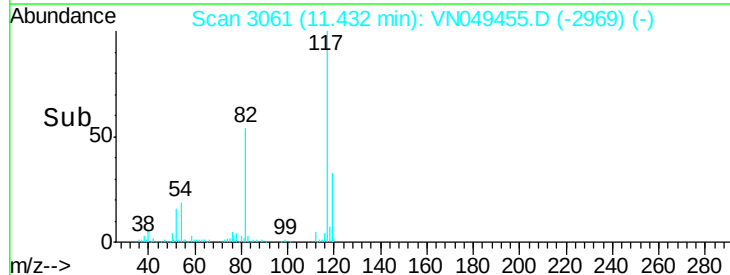
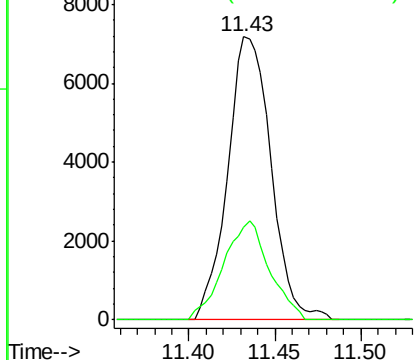


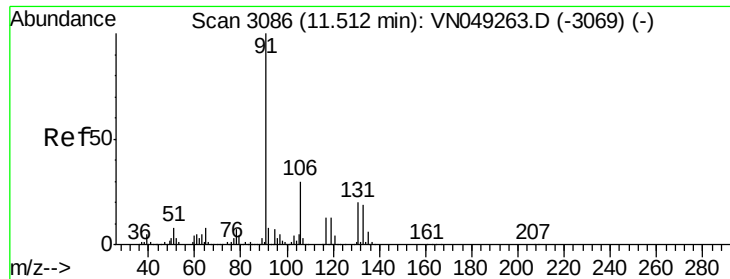
#65
Chlorobenzene
Concen: 0.31 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Tgt Ion:112 Resp: 12563
Ion Ratio Lower Upper
112 100
114 32.7 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: 0.79 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

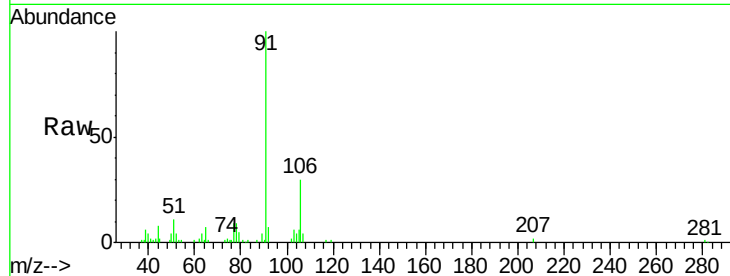
ClientSampled :

Tot Ion: 91 Resp: 52934

Ion Ratio Lower Upper

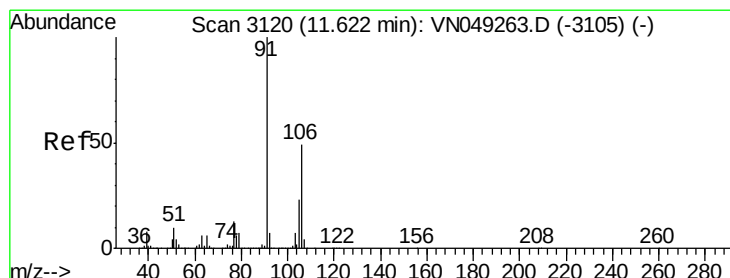
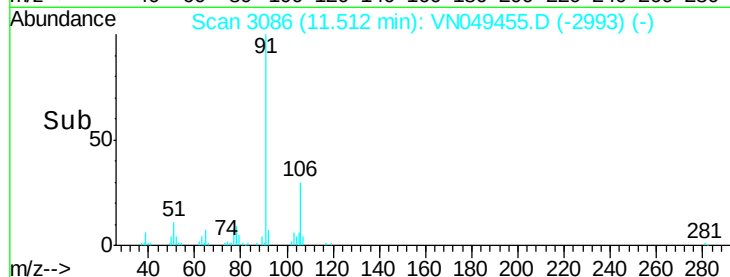
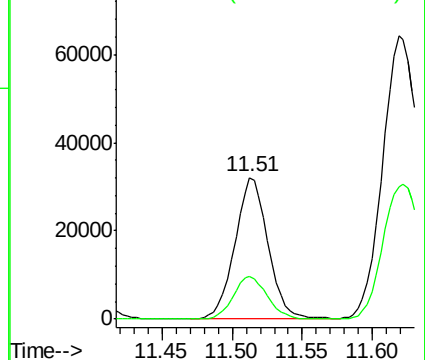
91 100

106 30.0 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) (-)



#68

m/p-Xylenes

Concen: 2.39 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049455.D

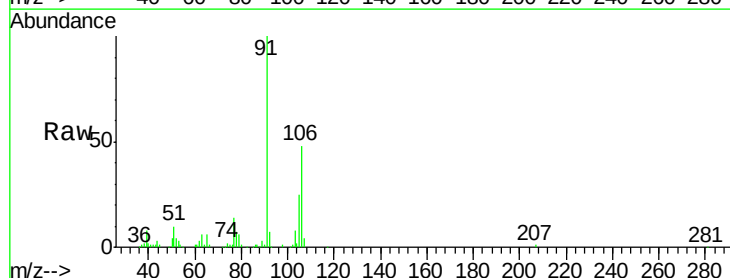
Acq: 20 Jun 2018 23:30

Tgt Ion: 106 Resp: 60080

Ion Ratio Lower Upper

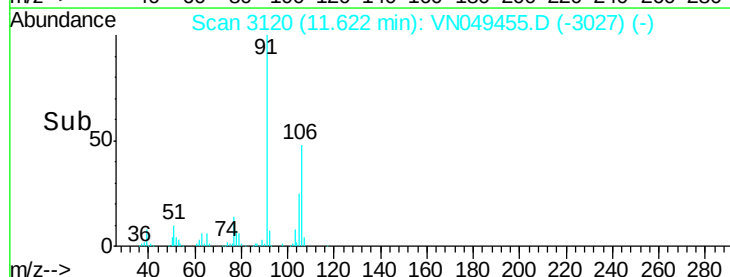
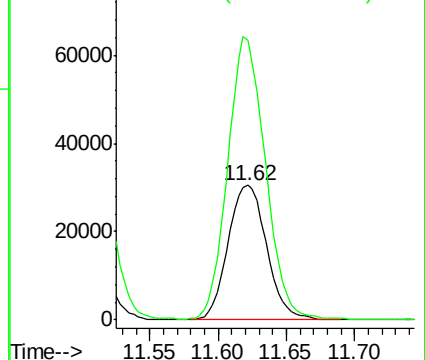
106 100

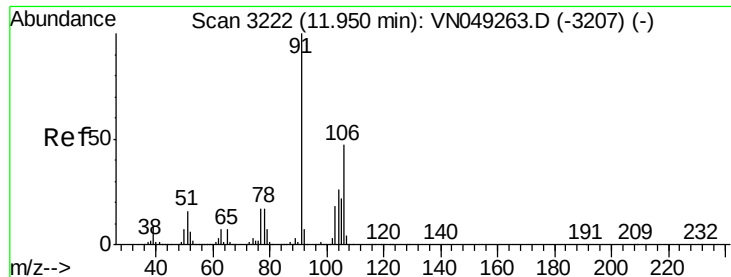
91 205.6 167.3 250.9



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

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

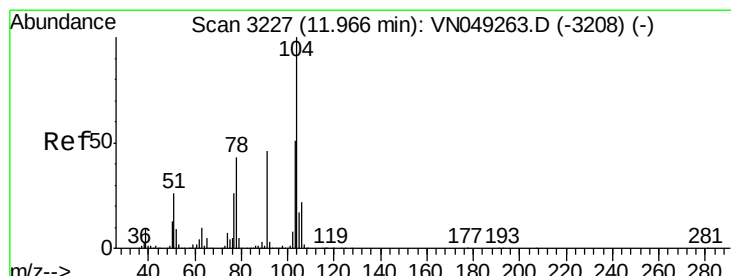
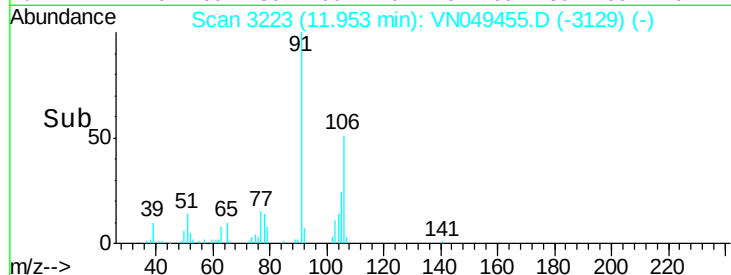
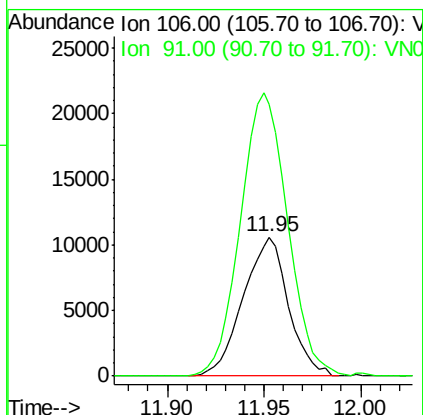
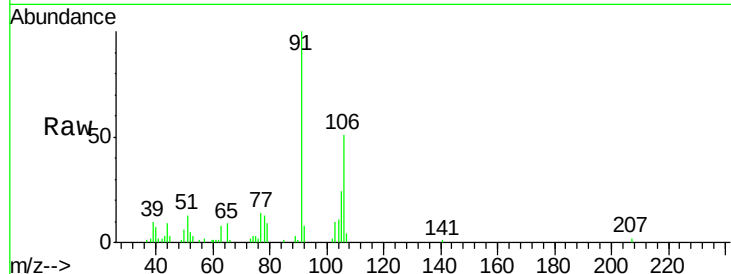




#69
o-Xylene
Concen: 0.71 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

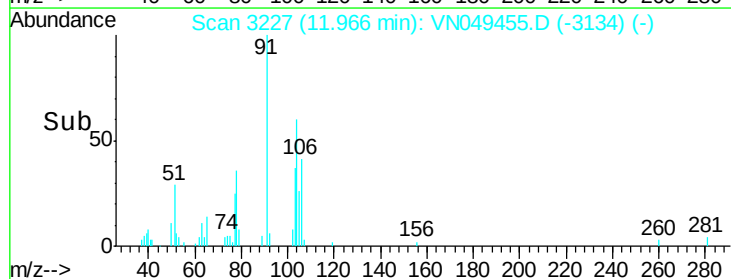
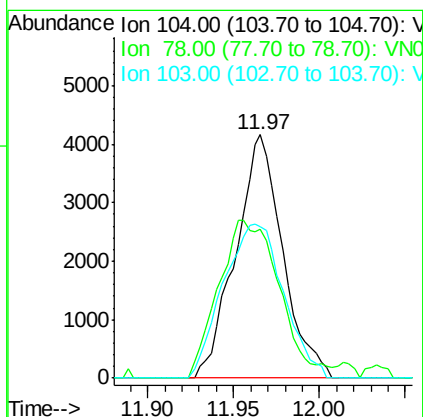
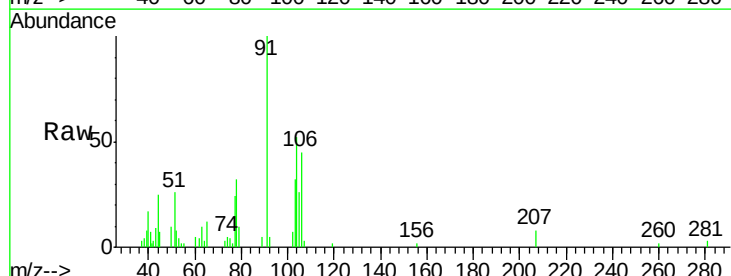
Instrument :
MSVOA_N
ClientSampled :

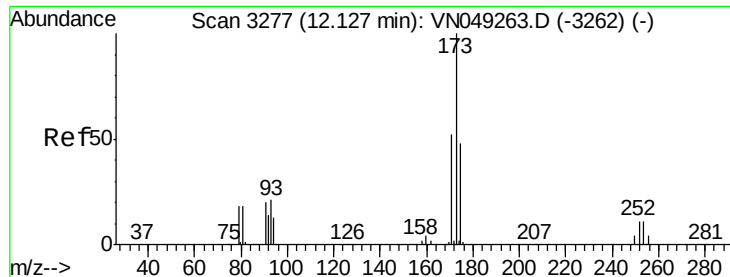
Tot Ion:106 Resp: 17209
Ion Ratio Lower Upper
106 100
91 212.5 111.0 333.0



#70
Styrene
Concen: 0.21 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Tgt Ion:104 Resp: 7884
Ion Ratio Lower Upper
104 100
78 84.4 41.6 62.4#
103 81.6 45.4 68.2#

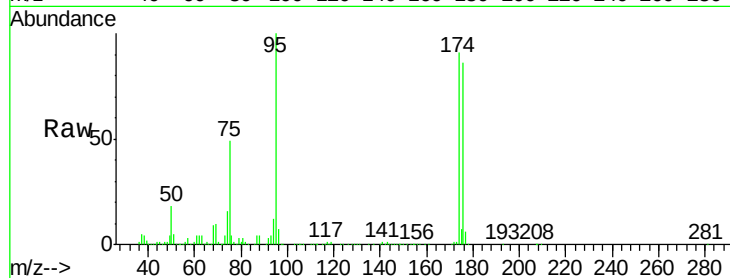




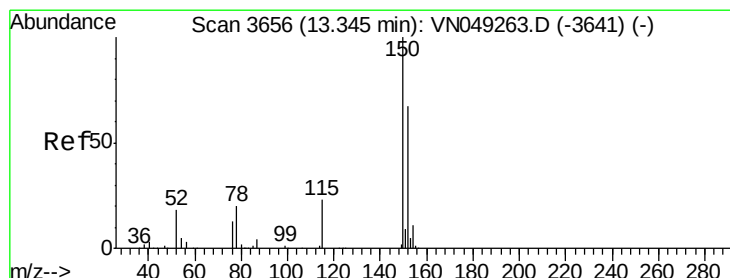
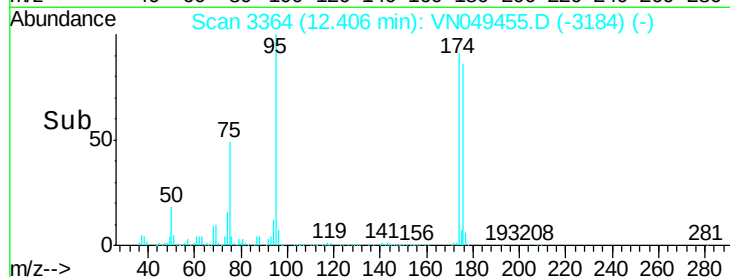
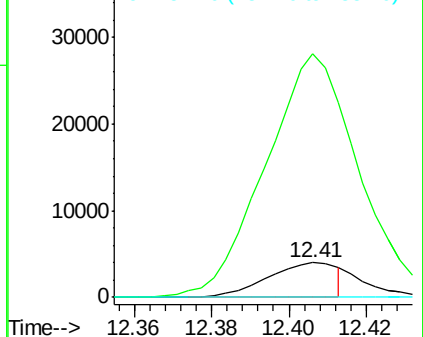
#71
Bromoform
Concen: 0.51 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 5024
Ion Ratio Lower Upper
173 100
175 715.8 24.5 73.5#
254 0.0 0.1 0.1#

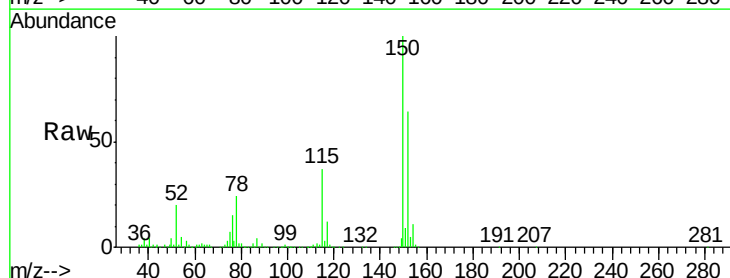


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

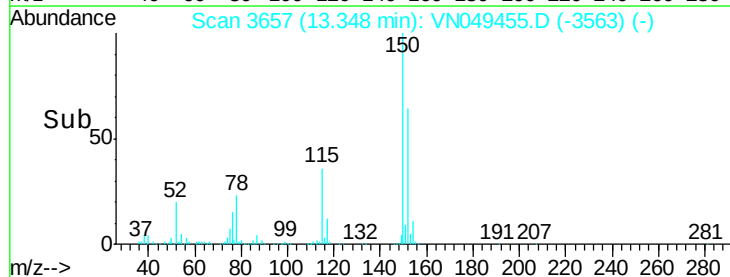
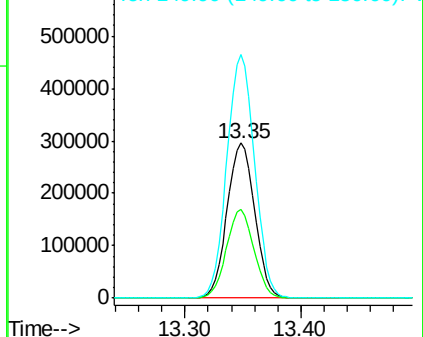


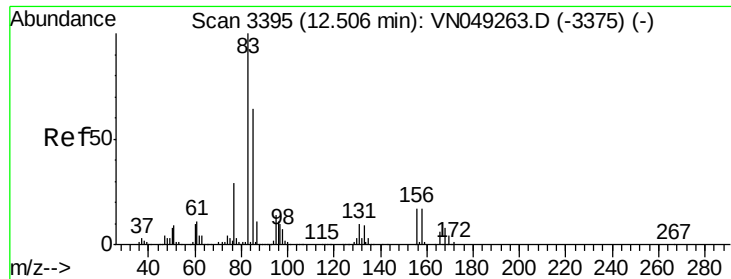
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Tgt Ion:152 Resp: 489330
Ion Ratio Lower Upper
152 100
115 56.6 28.7 86.1
150 157.4 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

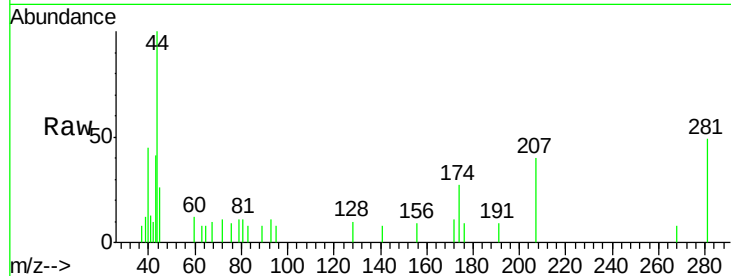
Tot Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

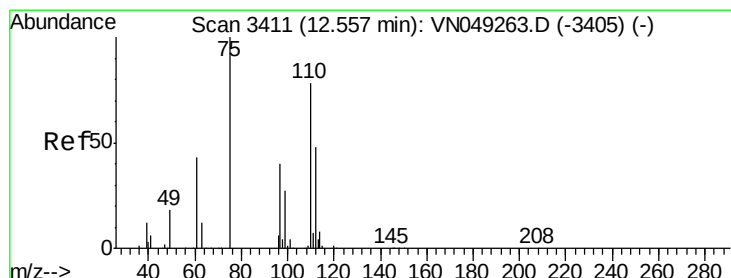
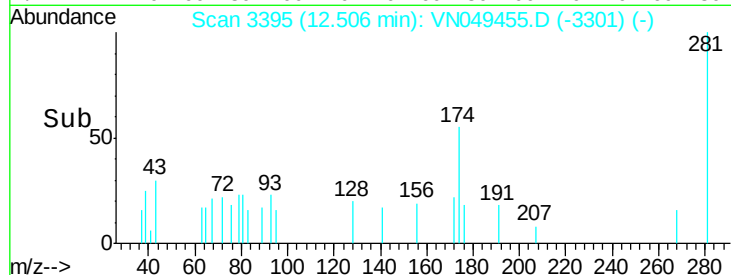
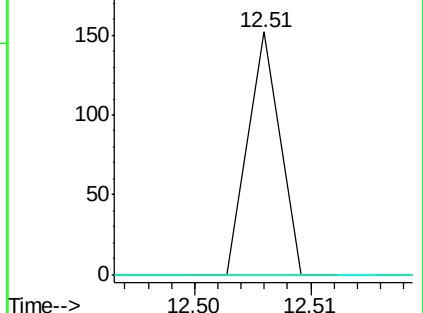
85 0.0 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 40.09 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049455.D

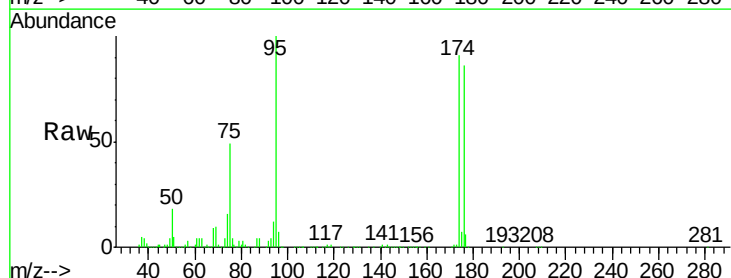
Acq: 20 Jun 2018 23:30

Tgt Ion: 75 Resp: 334706

Ion Ratio Lower Upper

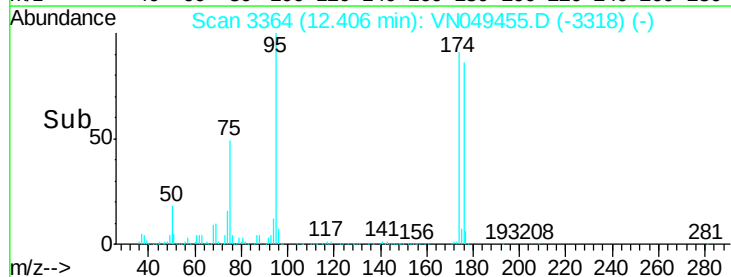
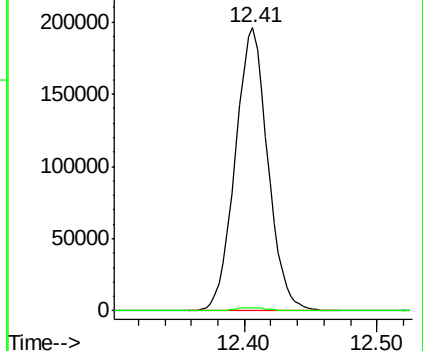
75 100

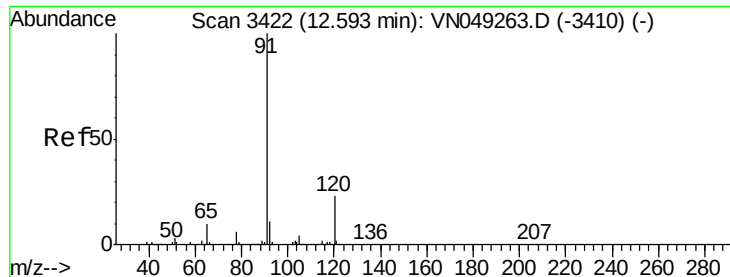
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#78

n-propylbenzene

Concen: 0.22 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

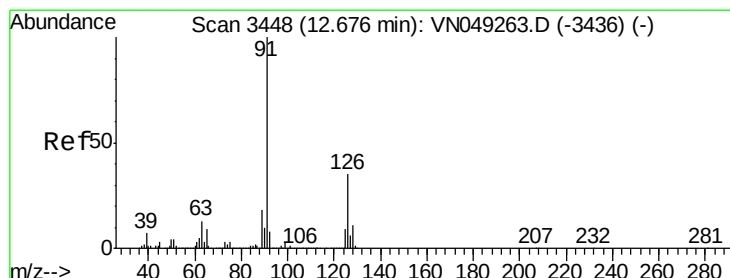
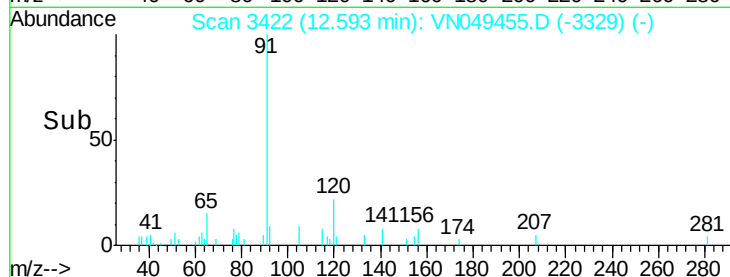
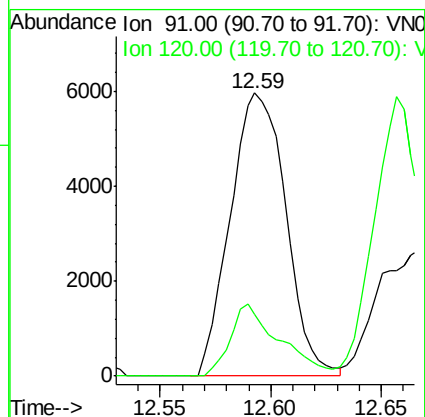
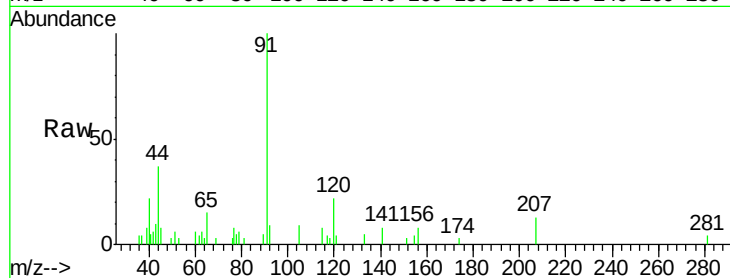
ClientSampleId :

Tot Ion: 91 Resp: 10416

Ion Ratio Lower Upper

91 100

120 22.6 11.2 33.5



#79

2-Chlorotoluene

Concen: 0.23 ug/l

RT: 12.67 min Scan# 3445

Delta R.T. -0.01 min

Lab File: VN049455.D

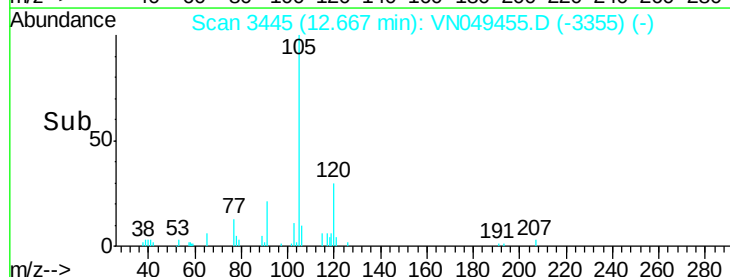
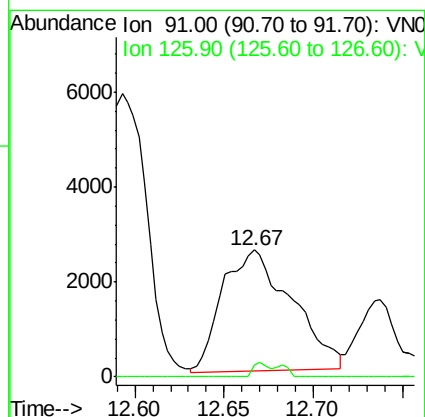
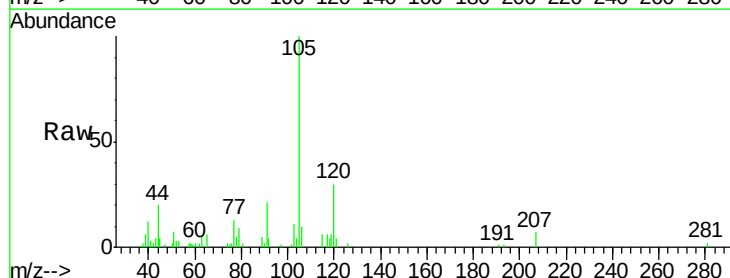
Acq: 20 Jun 2018 23:30

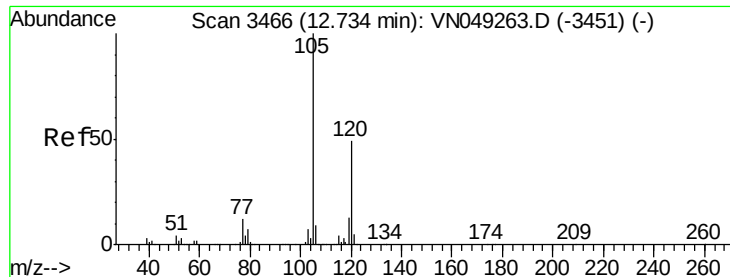
Tgt Ion: 91 Resp: 6928

Ion Ratio Lower Upper

91 100

126 2.7 16.6 49.8#





#80

1,3,5-Trimethylbenzene

Concen: 0.55 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

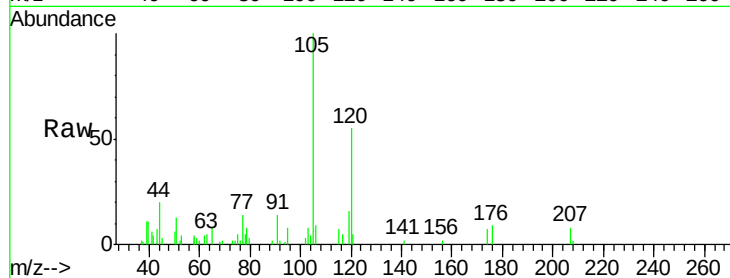
ClientSampled :

Tot Ion:105 Resp: 18642

Ion Ratio Lower Upper

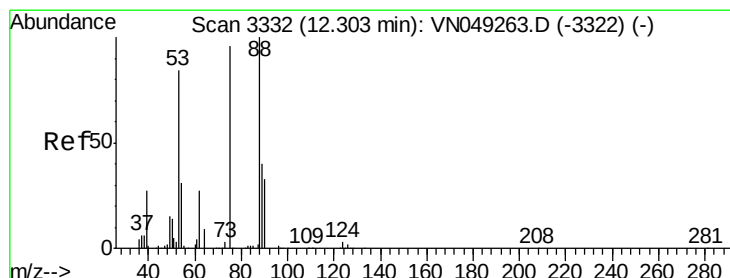
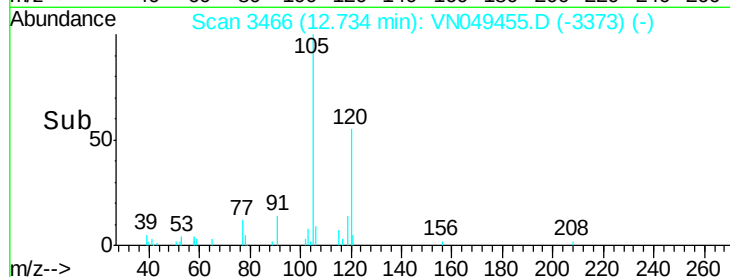
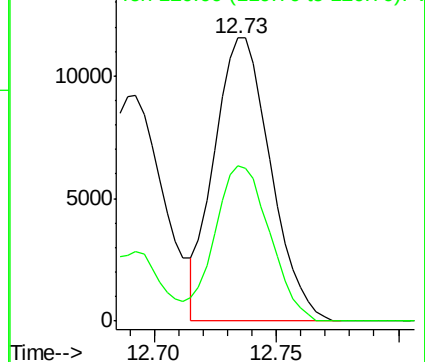
105 100

120 53.6 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: 126.70 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.10 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

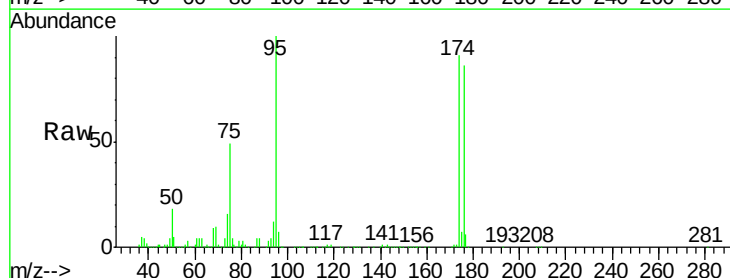
Tgt Ion: 75 Resp: 334706

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

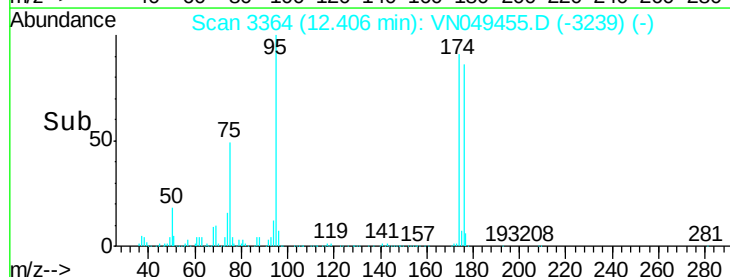
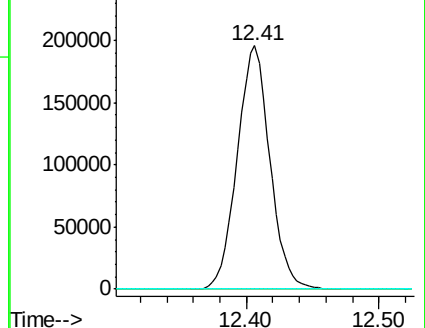
89 0.0 36.5 54.7#

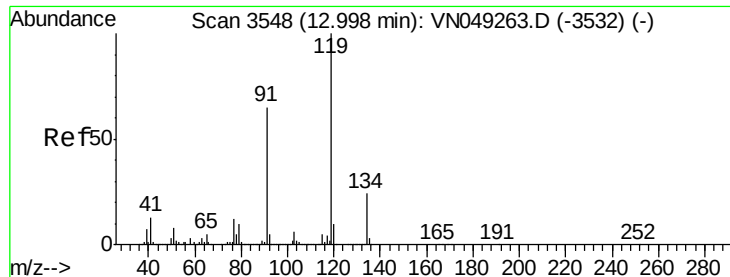


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#83

tert-Butylbenzene

Concen: 0.28 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.05 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

ClientSampleId :

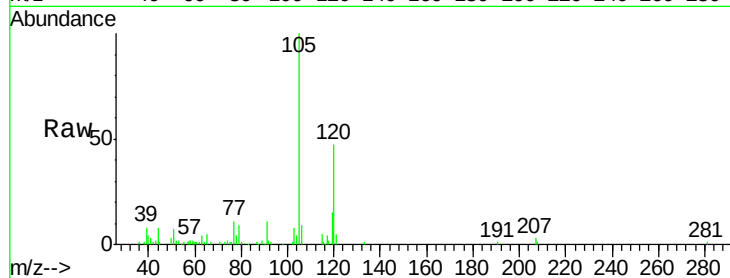
Tot Ion:119 Resp: 8522

Ion Ratio Lower Upper

119 100

91 87.7 33.7 101.0

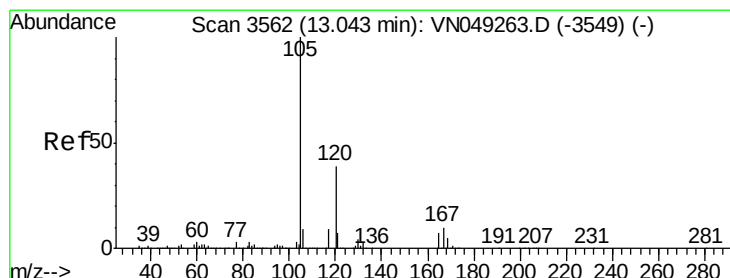
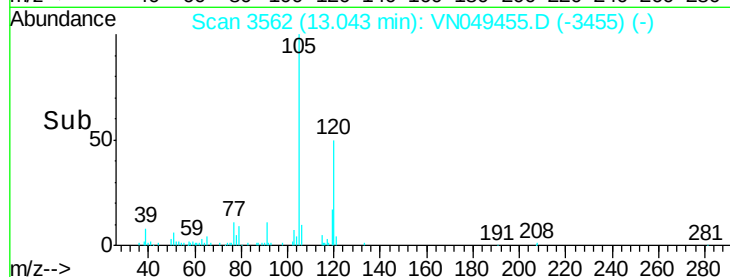
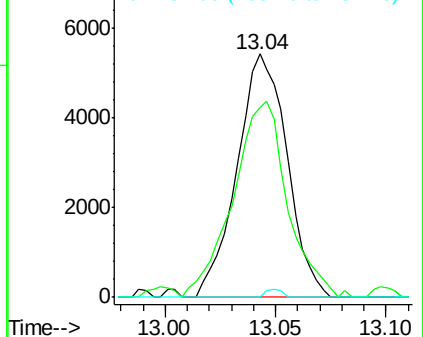
134 1.1 12.9 38.6#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.80 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049455.D

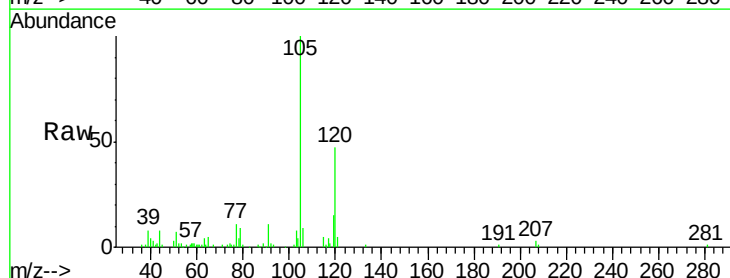
Acq: 20 Jun 2018 23:30

Tgt Ion:105 Resp: 60332

Ion Ratio Lower Upper

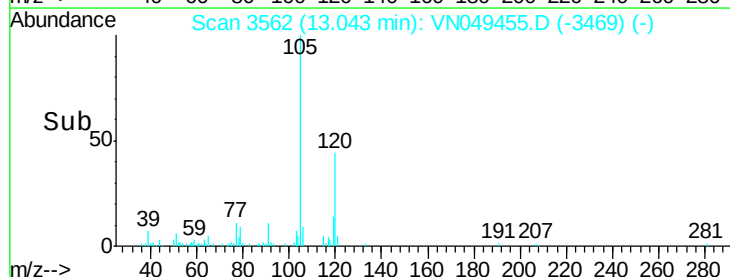
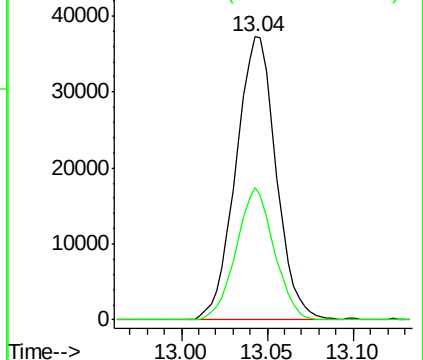
105 100

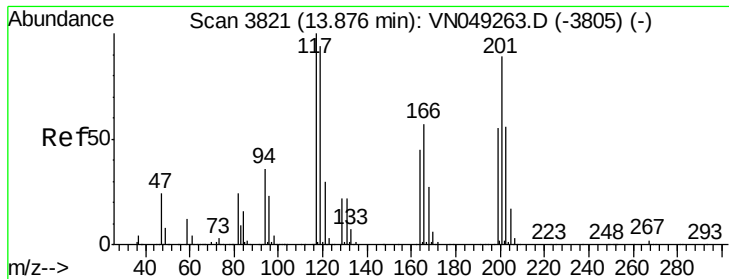
120 43.8 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

Instrument :

MSVOA_N

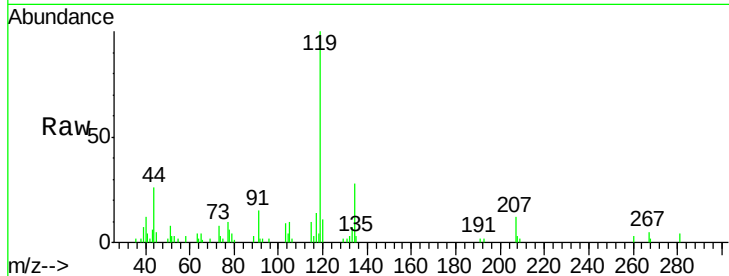
ClientSampled :

Tot Ion:117 Resp: 2335

Ion Ratio Lower Upper

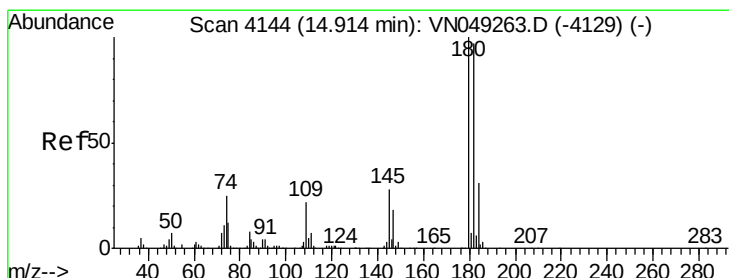
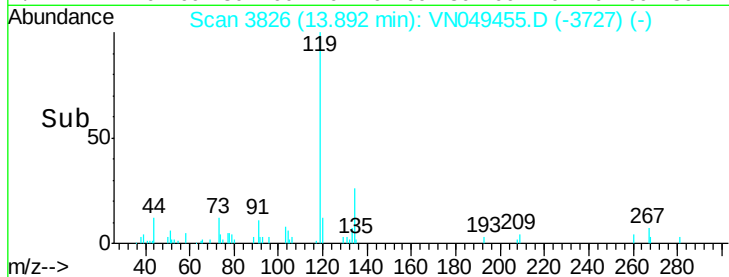
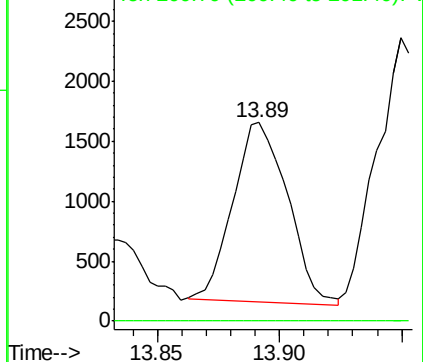
117 100

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



#93

1,2,4-Trichlorobenzene

Concen: 4.84 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.01 min

Lab File: VN049455.D

Acq: 20 Jun 2018 23:30

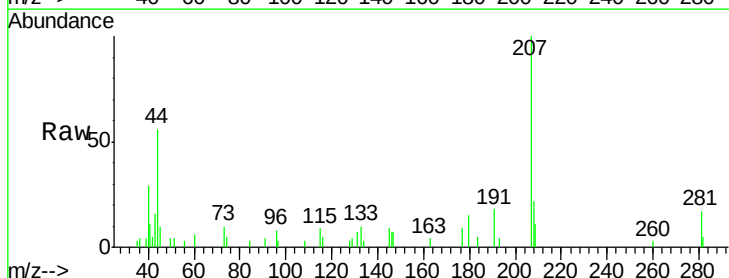
Tgt Ion:180 Resp: 865

Ion Ratio Lower Upper

180 100

182 23.7 46.9 140.8#

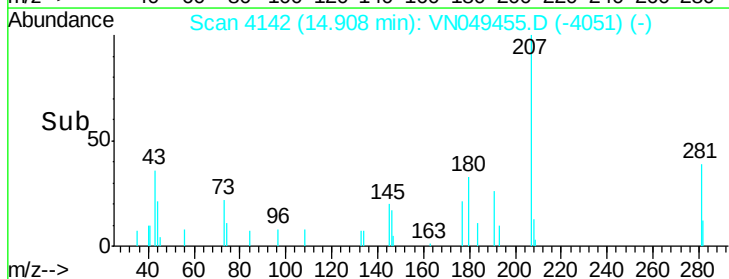
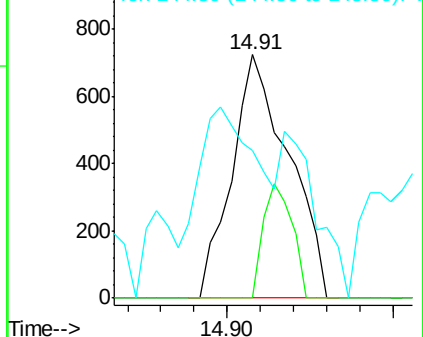
145 43.2 14.7 44.1

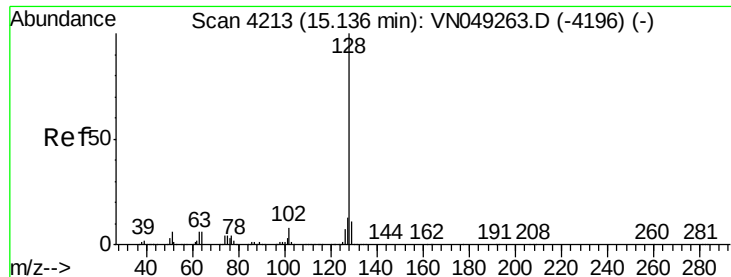


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

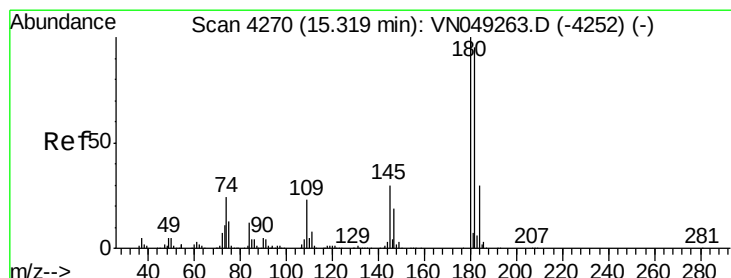
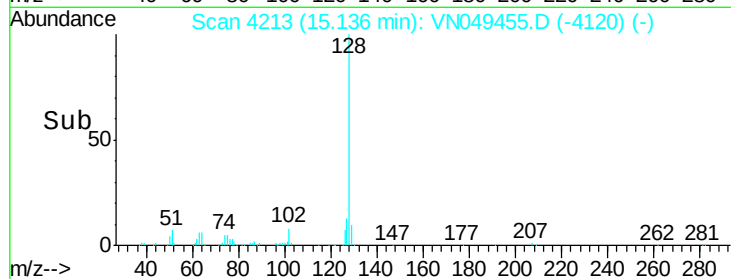
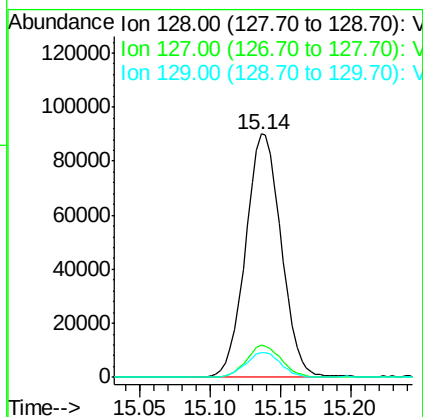
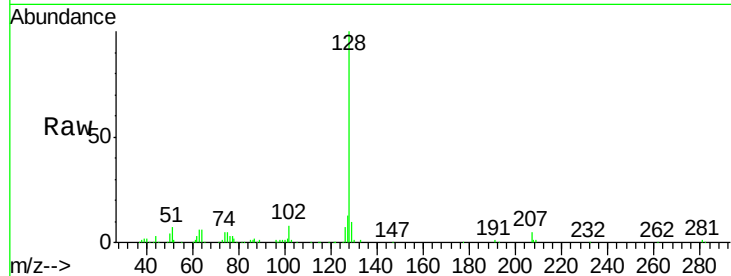




#95
Naphthalene
Concen: 13.46 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 159447
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.1 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 3.48 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN049455.D
Acq: 20 Jun 2018 23:30

Tgt Ion:180 Resp: 214
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.8#
145 96.7 15.6 46.7#

