

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
 Data File : VN049422.D
 Acq On : 20 Jun 2018 7:54
 Operator : MD\SY
 Sample : J3498-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 20 11:13:45 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	1154736	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1853316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1505100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	486085	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	768262	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.59	113	687619	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
50) Toluene-d8	10.09	98	2530533	44.32	ug/l	0.00
Spiked Amount			Recovery	=	88.64%	
62) 4-Bromofluorobenzene	12.40	95	664376	35.19	ug/l	0.00
Spiked Amount			Recovery	=	70.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3499	0.204	ug/l	89
11) Tert butyl alcohol	4.81	59	307	0.342	ug/l	95
13) Acrolein	3.61	56	221	0.234	ug/l #	14
14) Allyl chloride	4.55	41	105756	5.059	ug/l #	20
16) Acetone	3.82	43	33575	9.029	ug/l	99
18) Methyl Acetate	4.33	43	101462	8.948	ug/l	93
20) Methylene Chloride	4.55	84	3021833	194.565	ug/l	92
25) 2-Butanone	6.84	43	5580	1.117	ug/l	97
29) Tetrahydrofuran	7.23	42	3040	0.946	ug/l #	54
31) Cyclohexane	7.66	56	22160	0.805	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	83456	3.929	ug/l #	50
38) Carbon Tetrachloride	7.67	117	104985	4.774	ug/l #	17
43) Isopropyl Acetate	8.23	43	436950	19.805	ug/l #	64
49) 1,4-Dioxane	9.21	88	184	1.283	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	3559	0.308	ug/l	94
65) Chlorobenzene	11.43	112	12426	0.320	ug/l #	88
68) m/p-Xylenes	11.62	106	11024	0.457	ug/l	96
69) o-Xylene	11.95	106	5896	0.254	ug/l	95
71) Bromoform	12.41	173	4753	0.503	ug/l #	1
73) Isopropylbenzene	12.25	105	10606	0.249	ug/l	100
74) N-amyl acetate	12.04	43	2176	0.208	ug/l #	53
75) 1,1,2,2-Tetrachloroethane	12.48	83	114	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	317899	38.329	ug/l #	100
78) n-propylbenzene	12.59	91	25042	0.534	ug/l	96
79) 2-Chlorotoluene	12.68	91	11142	0.375	ug/l	85
80) 1,3,5-Trimethylbenzene	12.73	105	13023	0.388	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	317899	121.142	ug/l #	9
82) 4-Chlorotoluene	12.68	91	11142	0.389	ug/l	85
84) 1,2,4-Trimethylbenzene	13.04	105	47116	1.414	ug/l	98
85) sec-Butylbenzene	13.18	105	15498	0.392	ug/l	87
89) n-Butylbenzene	13.62	91	6006	0.233	ug/l #	75
90) Hexachloroethane	13.89	117	6775	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.92	180	215	4.766	ug/l #	71
95) Naphthalene	15.14	128	283338	21.934	ug/l	99

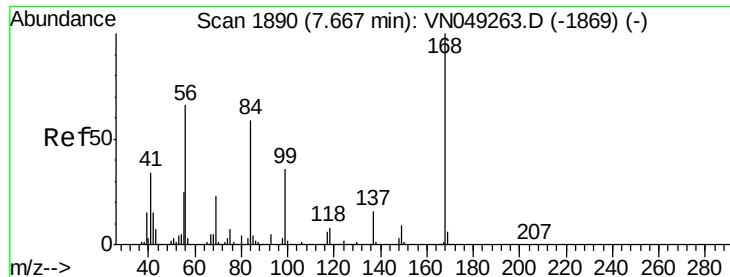
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061918\
Data File : VN049422.D
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.14	180	32	3.461	ug/l #	13

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

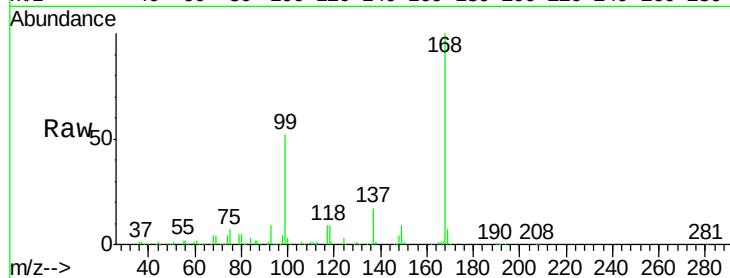
ClientSampled :

Tot Ion:168 Resp: 1154736

Ion Ratio Lower Upper

168 100

99 52.0 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

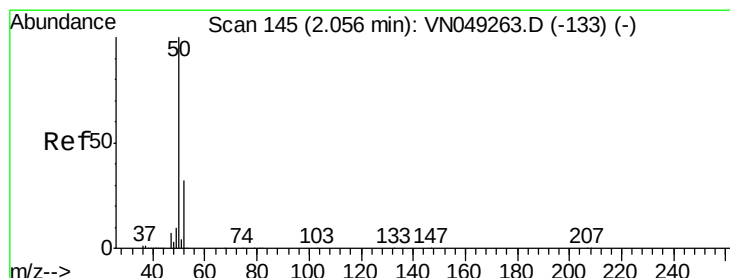
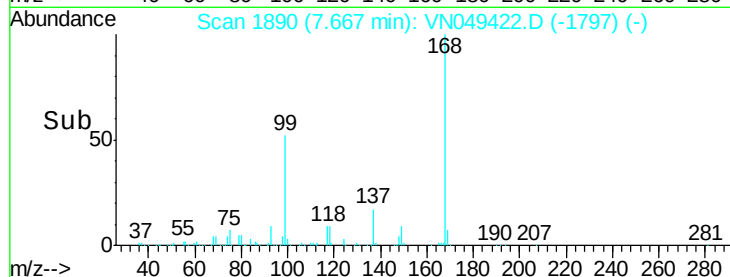
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.204 ug/l

RT: 2.06 min Scan# 147

Delta R.T. 0.01 min

Lab File: VN049422.D

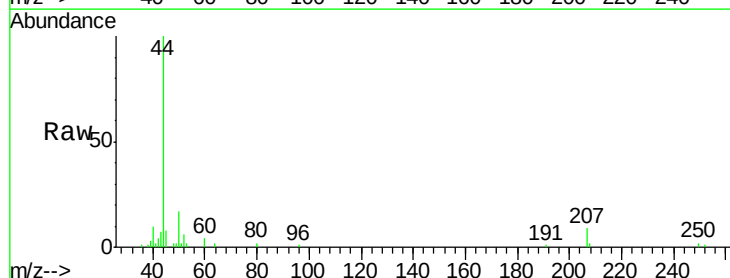
Acq: 20 Jun 2018 7:54

Tgt Ion: 50 Resp: 3499

Ion Ratio Lower Upper

50 100

52 37.7 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

2500

2000

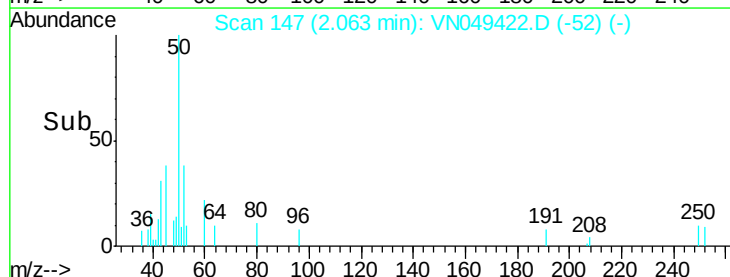
1500

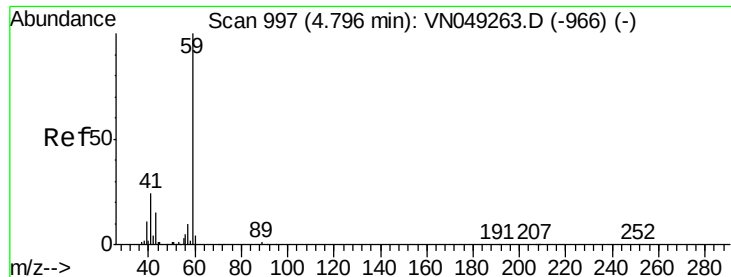
1000

500

0

Time-->





#11

Tert butyl alcohol

Concen: 0.342 ug/l

RT: 4.81 min Scan# 1002

Delta R.T. 0.02 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

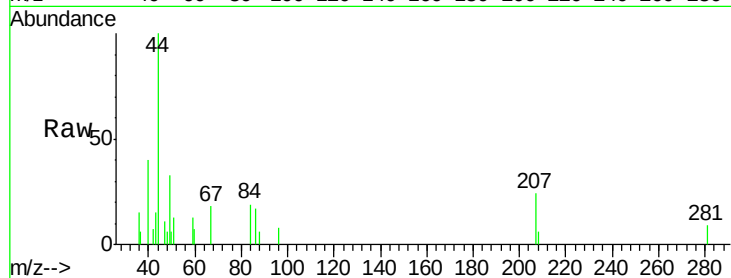
ClientSampleId :

Tot Ion: 59 Resp: 307

Ion Ratio Lower Upper

59 100

57 9.4 9.0 13.6



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.81

300

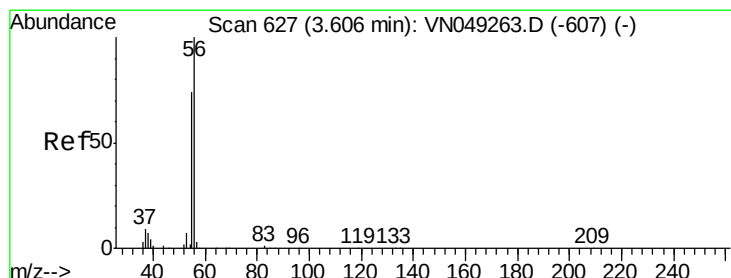
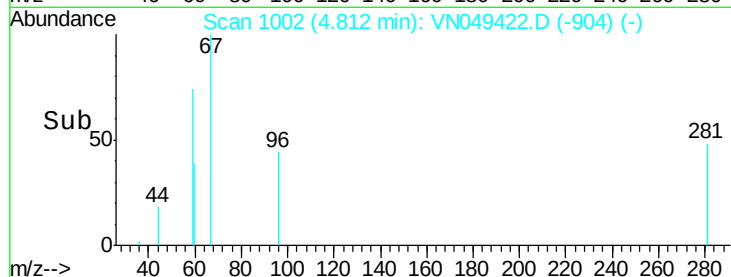
200

100

0

4.80 4.82

Time-->



#13

Acrolein

Concen: 0.234 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049422.D

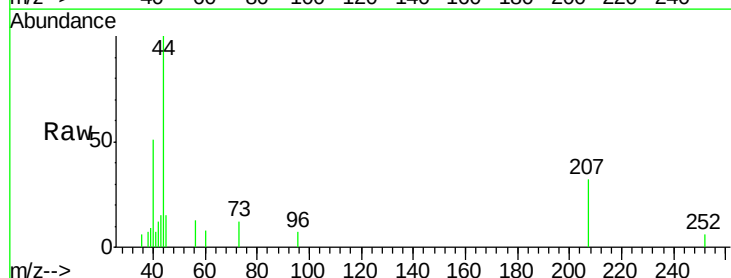
Acq: 20 Jun 2018 7:54

Tgt Ion: 56 Resp: 221

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

300

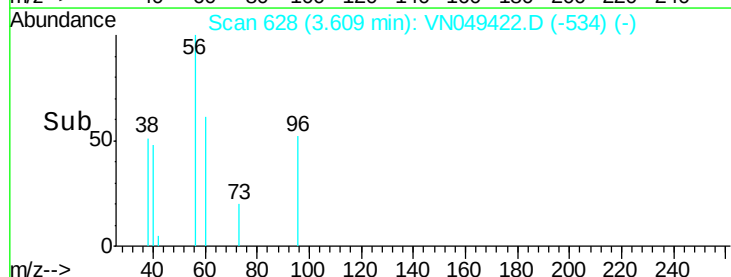
200

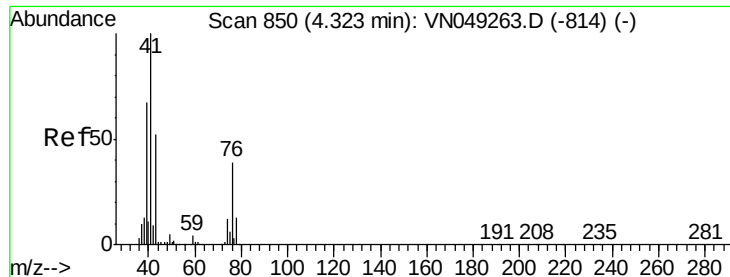
100

0

3.60 3.61 3.62

Time-->

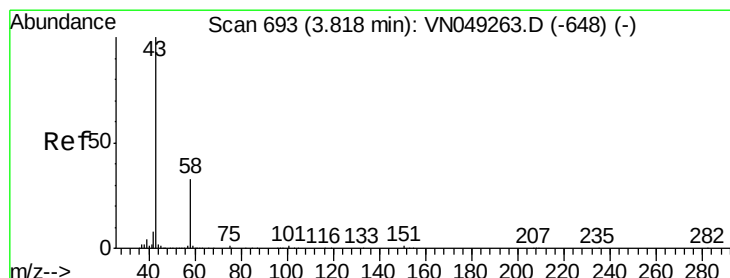
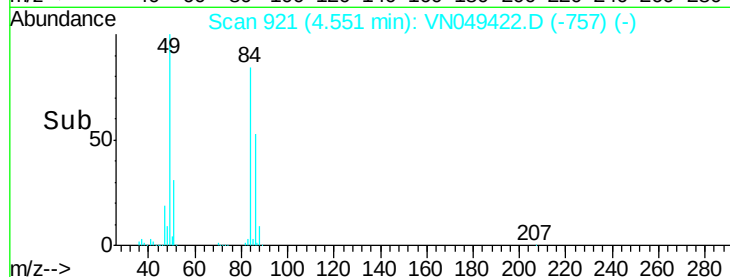
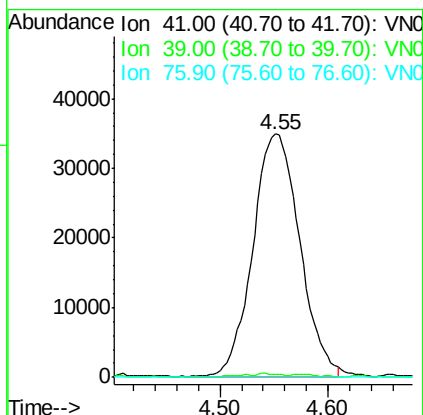
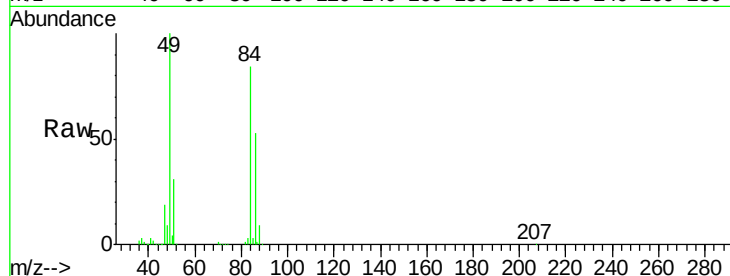




#14
Allvl chloride
Concen: 5.059 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.23 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

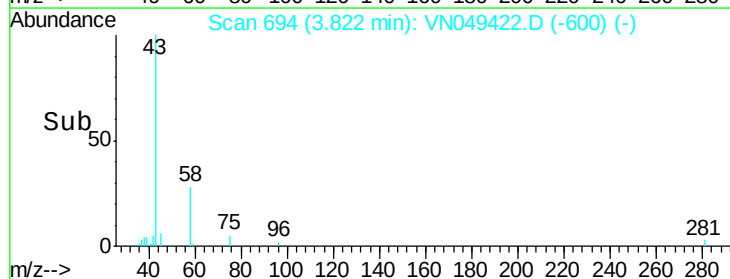
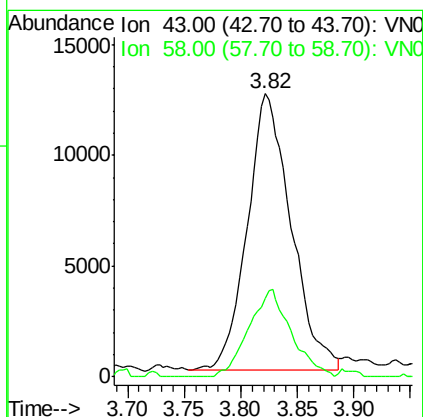
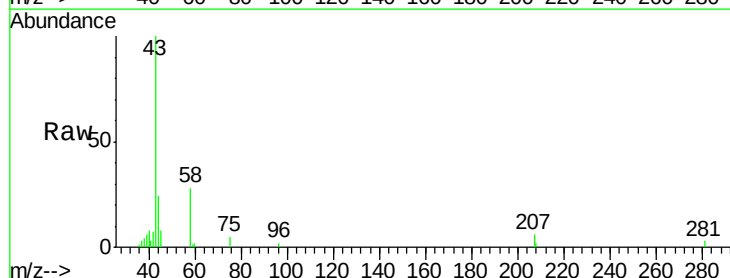
Instrument :
MSVOA_N
ClientSampled :

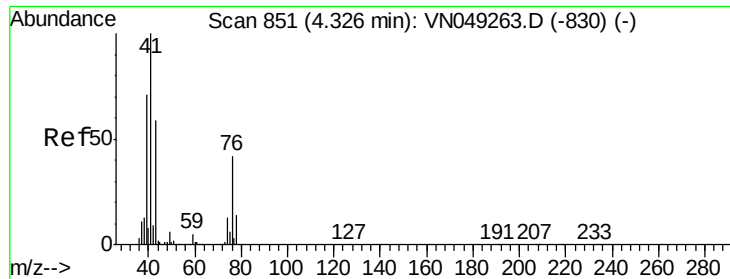
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.3	62.5	93.7#
76	0.0	27.1	40.7#



#16
Acetone
Concen: 9.029 ug/l
RT: 3.82 min Scan# 694
Delta R.T. 0.00 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.4	33.6

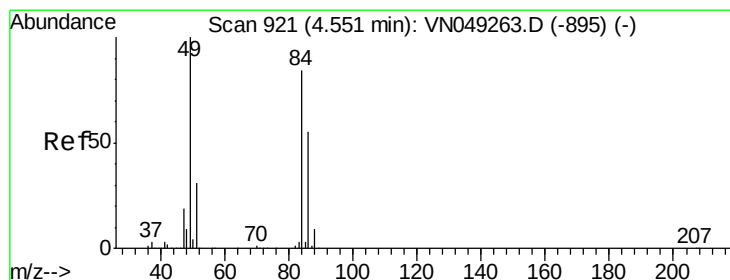
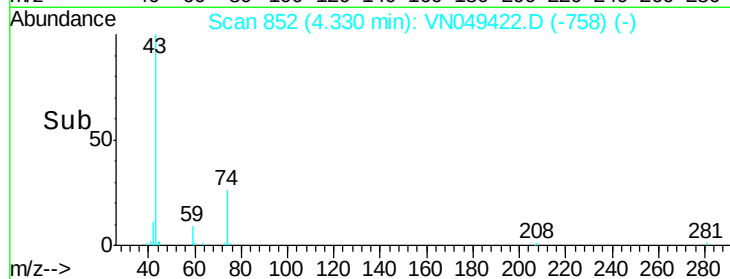
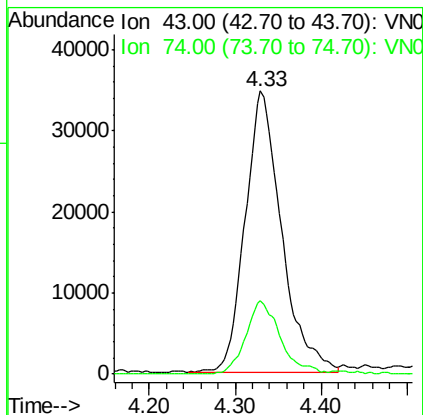
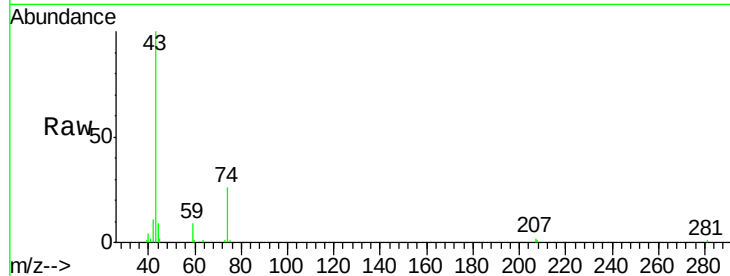




#18
Methvl Acetate
Concen: 8.948 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

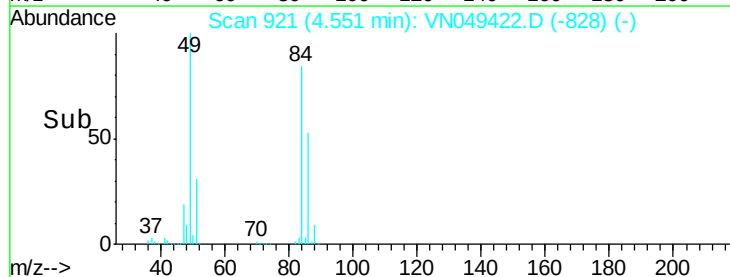
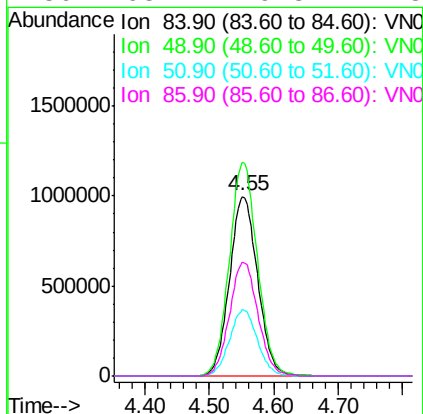
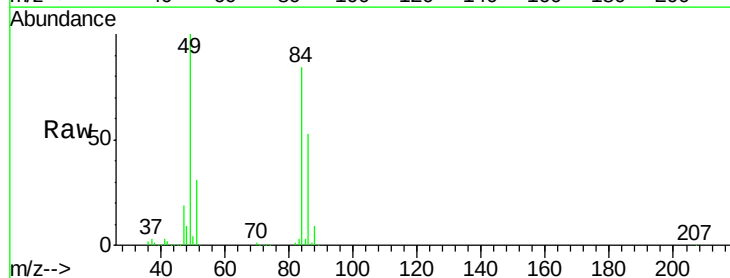
Instrument :
MSVOA_N
ClientSampled :

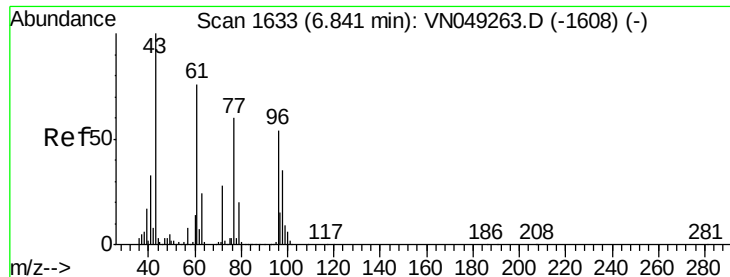
Tot Ion: 43 Resp: 101462
Ion Ratio Lower Upper
43 100
74 24.8 17.4 26.0



#20
Methylene Chloride
Concen: 194.565 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

Tgt Ion: 84 Resp: 3021833
Ion Ratio Lower Upper
84 100
49 118.8 106.9 160.3
51 36.7 32.7 49.1
86 63.1 49.8 74.8

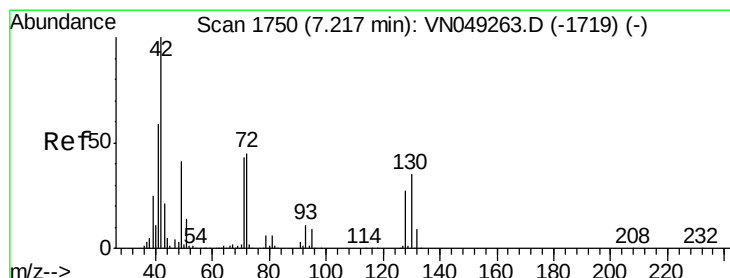
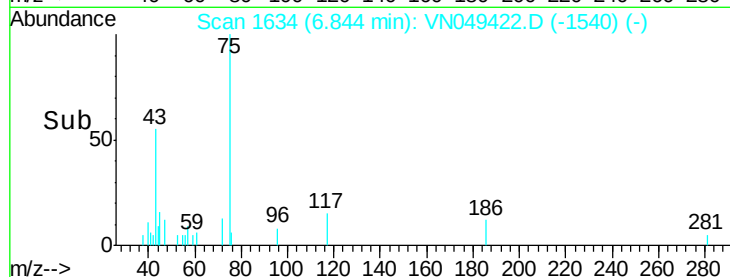
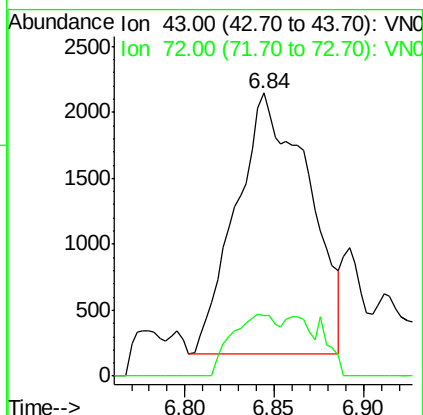
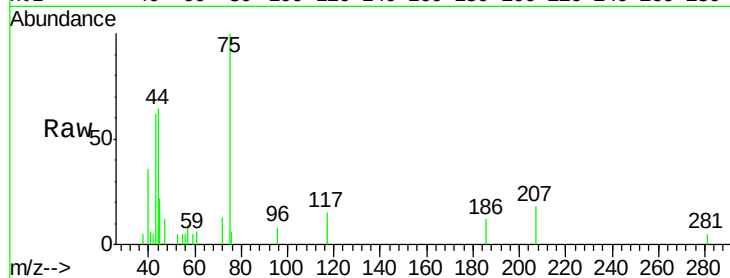




#25
2-Butanone
Concen: 1.117 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

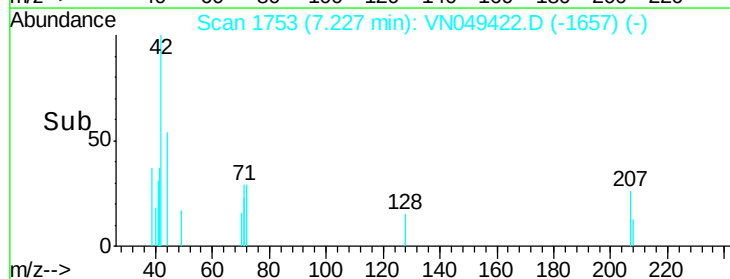
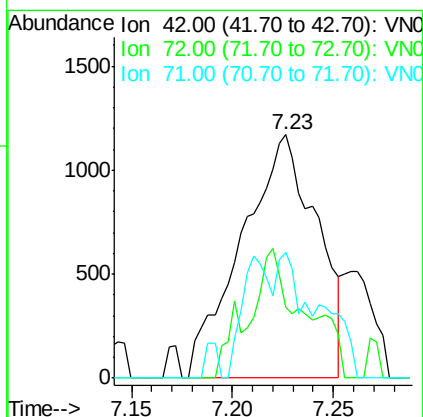
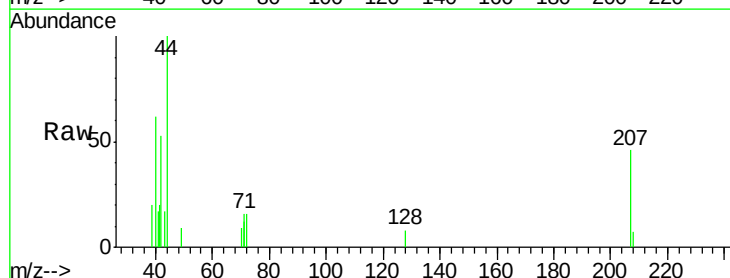
Instrument :
MSVOA_N
ClientSampled :

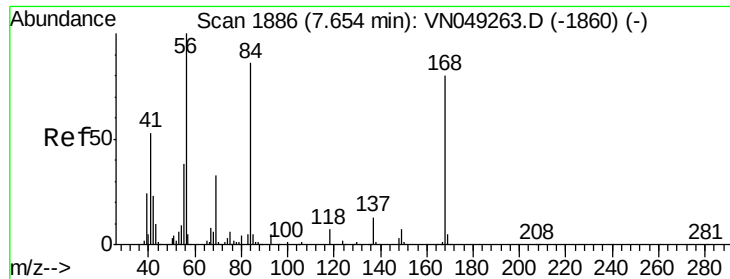
Tot Ion: 43 Resp: 5580
Ion Ratio Lower Upper
43 100
72 23.5 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.946 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

Tgt Ion: 42 Resp: 3040
Ion Ratio Lower Upper
42 100
72 14.1 32.2 48.4#
71 7.5 30.5 45.7#





#31

Cyclohexane

Concen: 0.805 ug/l

RT: 7.66 min Scan# 1888

Delta R.T. 0.01 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :
MSVOA_N
ClientSampleId :

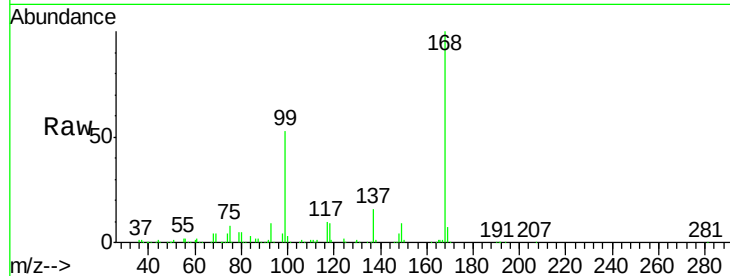
Tot Ion: 56 Resp: 22160

Ion Ratio Lower Upper

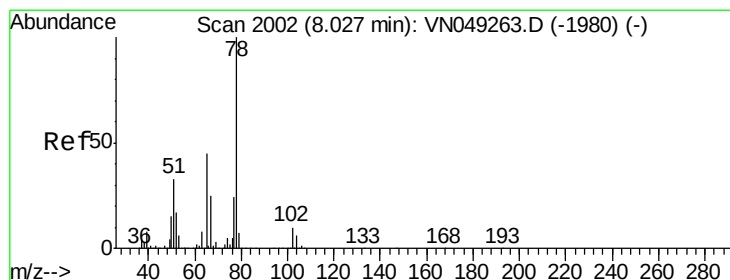
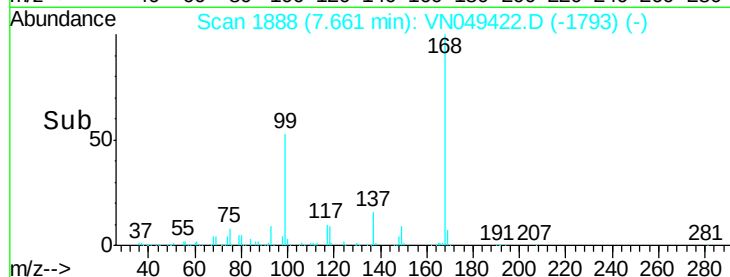
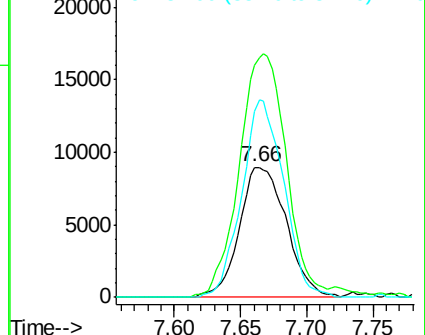
56 100

69 178.7 25.0 37.4#

84 142.5 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: 50.162 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049422.D

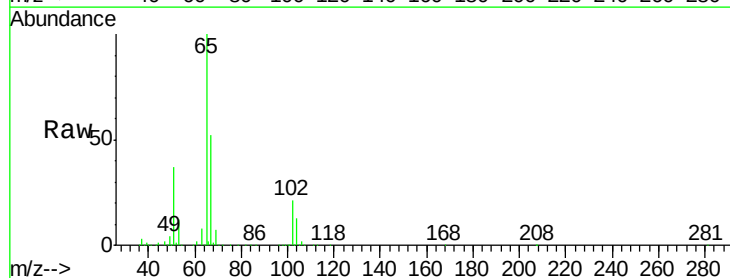
Acq: 20 Jun 2018 7:54

Tgt Ion: 65 Resp: 768262

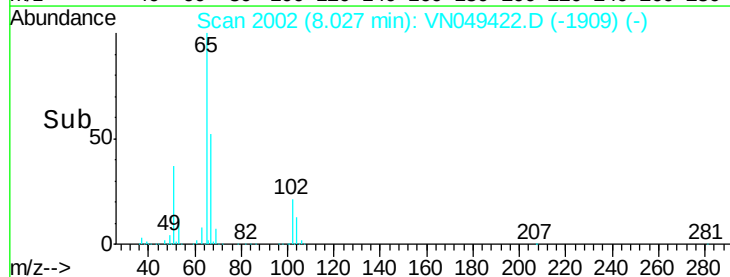
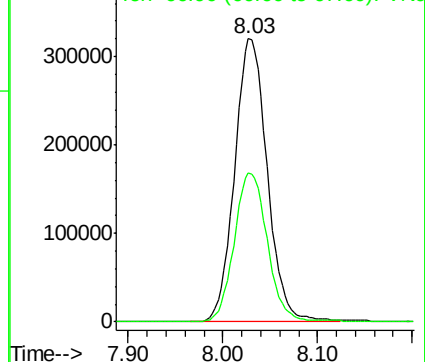
Ion Ratio Lower Upper

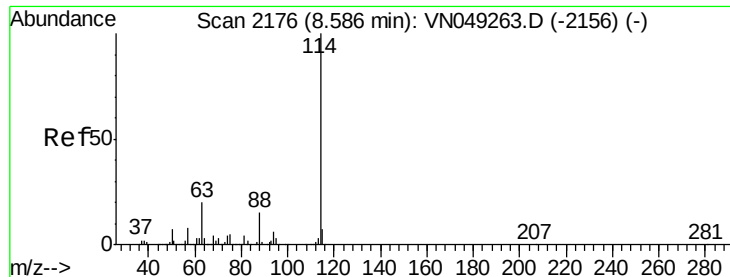
65 100

67 53.0 0.0 103.8



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



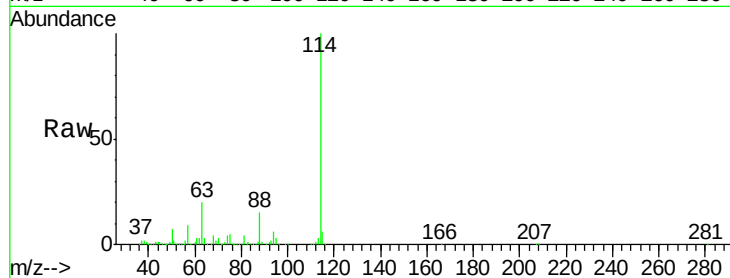


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049422.D
 Acq: 20 Jun 2018 7:54

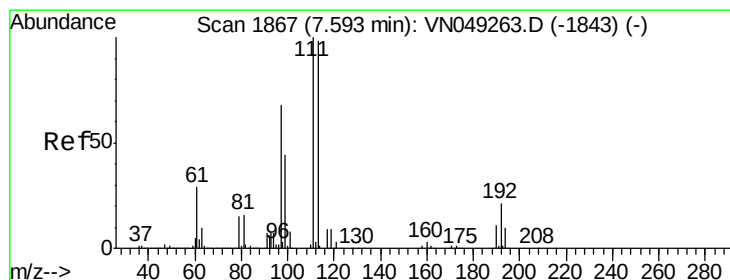
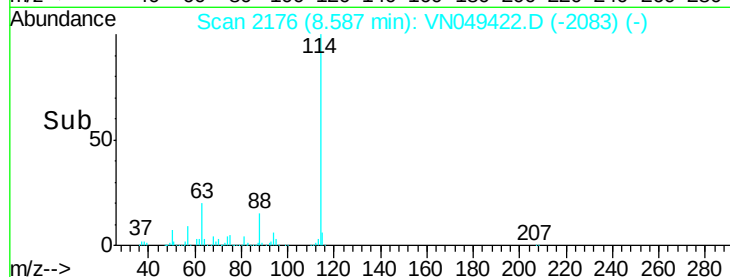
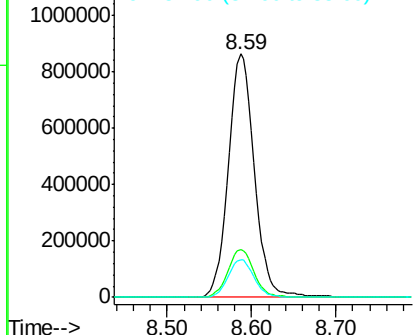
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 1853316

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	44.4
88	15.5	0.0	31.4



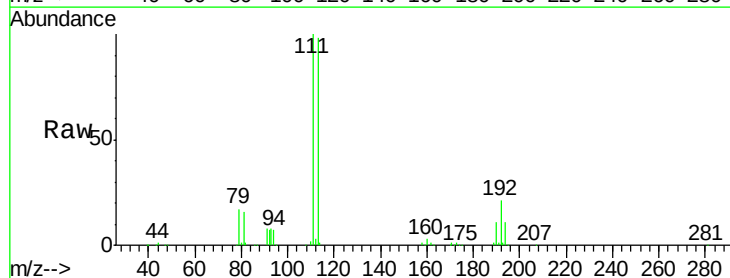
Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V



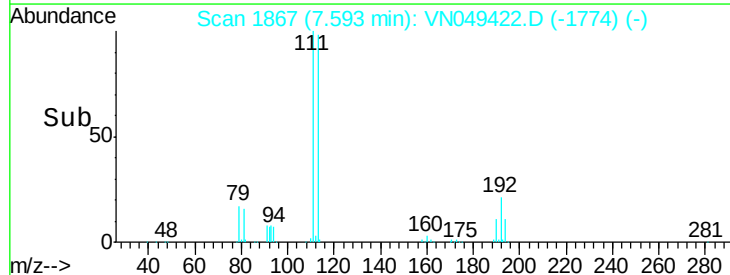
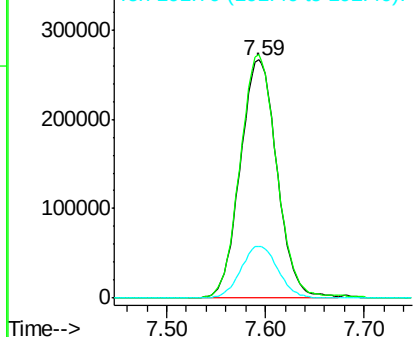
#35
 Dibromofluoromethane
 Concen: 45.859 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049422.D
 Acq: 20 Jun 2018 7:54

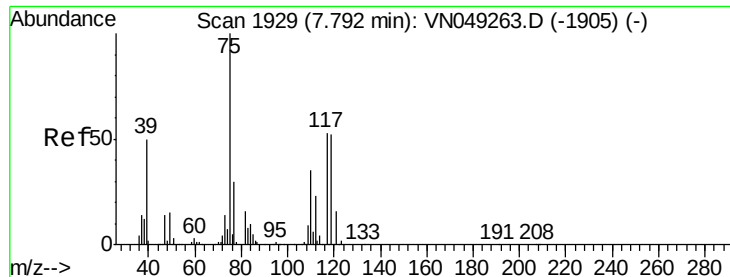
Tgt Ion:113 Resp: 687619

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.4	123.6
192	21.9	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: 3.929 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.13 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

ClientSampleId :

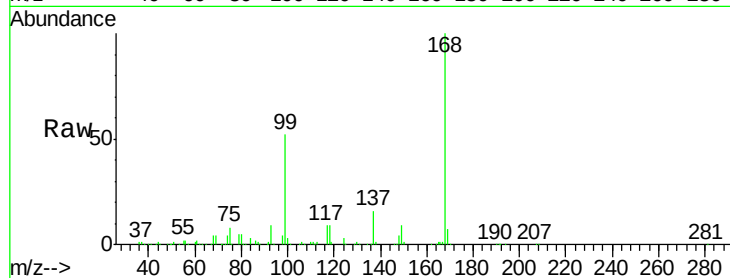
Tot Ion: 75 Resp: 83456

Ion Ratio Lower Upper

75 100

110 8.7 17.0 50.9#

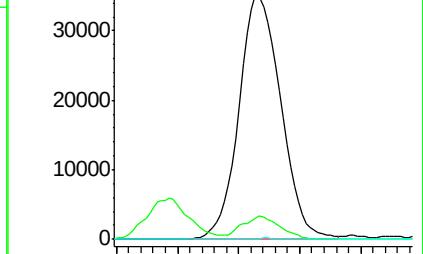
77 0.1 24.4 36.6#



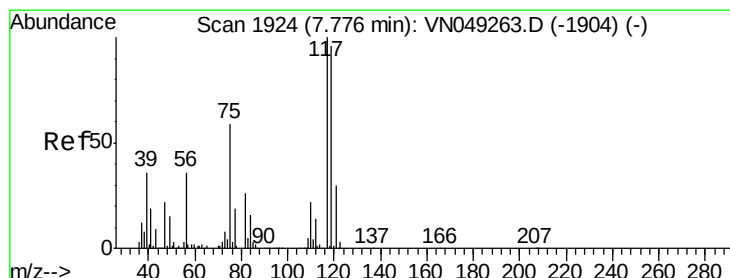
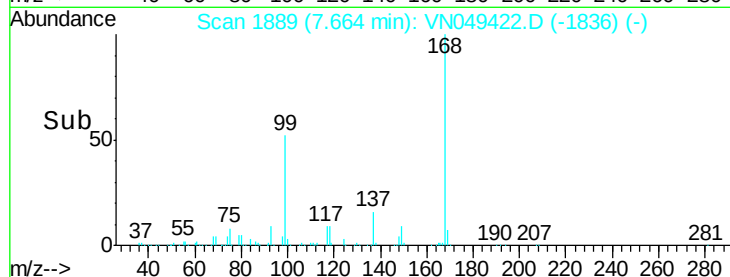
Abundance Ion 74.90 (74.60 to 75.60): VN049422.D (-1836) (-)

Ion 109.90 (109.60 to 110.60): VN049422.D (-1836) (-)

Ion 76.90 (76.60 to 77.60): VN049422.D (-1836) (-)



Time-->



#38

Carbon Tetrachloride

Concen: 4.774 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

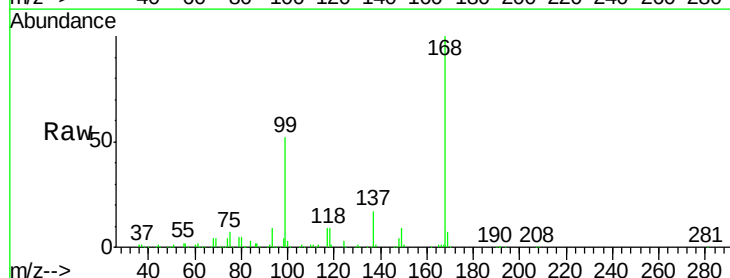
Tgt Ion: 117 Resp: 104985

Ion Ratio Lower Upper

117 100

119 6.1 75.6 113.4#

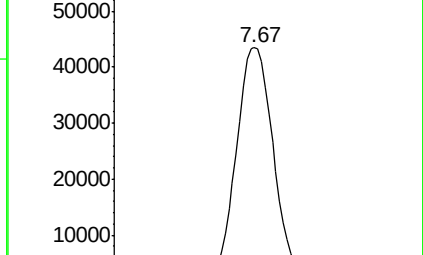
121 0.0 24.7 37.1#



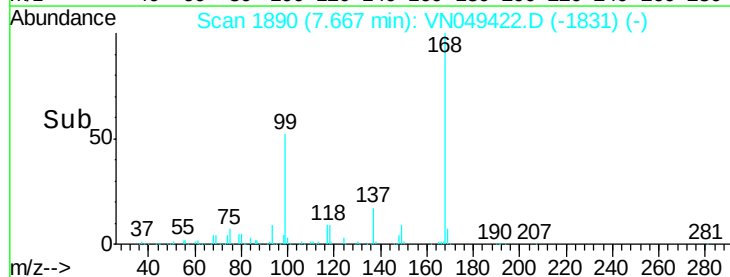
Abundance Ion 116.80 (116.50 to 117.50): VN049422.D (-1831) (-)

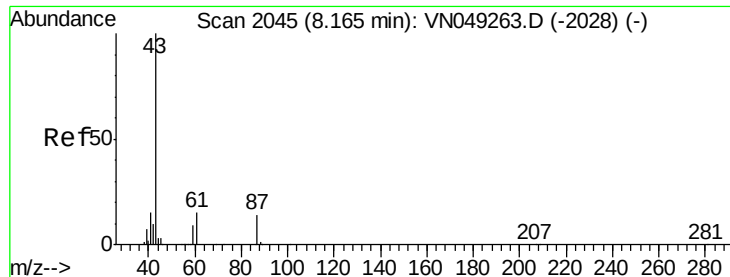
Ion 118.80 (118.50 to 119.50): VN049422.D (-1831) (-)

Ion 120.80 (120.50 to 121.50): VN049422.D (-1831) (-)



Time-->





#43

Isopropyl Acetate

Concen: 19.805 ug/l

RT: 8.23 min Scan# 2064

Delta R.T. 0.06 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

ClientSampleId :

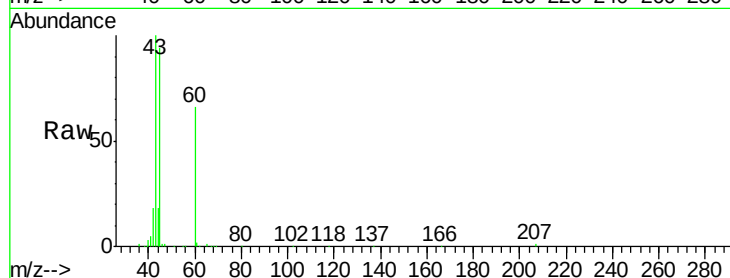
Tot Ion: 43 Resp: 436950

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#

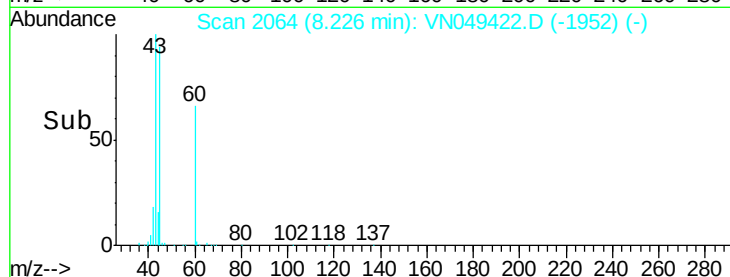


Abundance Ion 43.00 (42.70 to 43.70): VN049422.D (-2064) (-)

Ion 61.00 (60.70 to 61.70): VN049422.D (-2064) (-)

Ion 87.00 (86.70 to 87.70): VN049422.D (-2064) (-)

8.23



Abundance

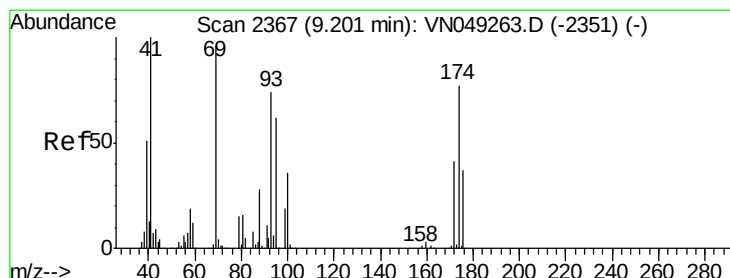
Ion 43.00 (42.70 to 43.70): VN049422.D (-2064) (-)

Ion 61.00 (60.70 to 61.70): VN049422.D (-2064) (-)

Ion 87.00 (86.70 to 87.70): VN049422.D (-2064) (-)

8.23

Time-->



#49

1,4-Dioxane

Concen: 1.283 ug/l

RT: 9.21 min Scan# 2369

Delta R.T. 0.01 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

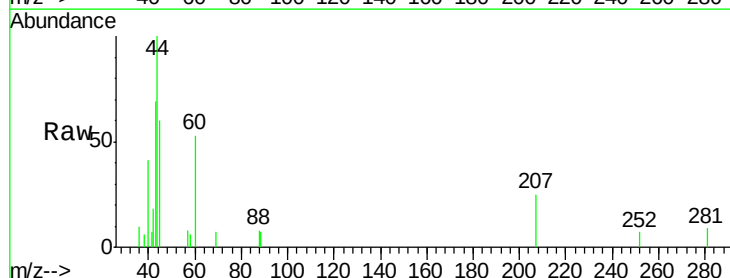
Tgt Ion: 88 Resp: 184

Ion Ratio Lower Upper

88 100

43 280.4 30.9 46.3#

58 33.2 58.9 88.3#



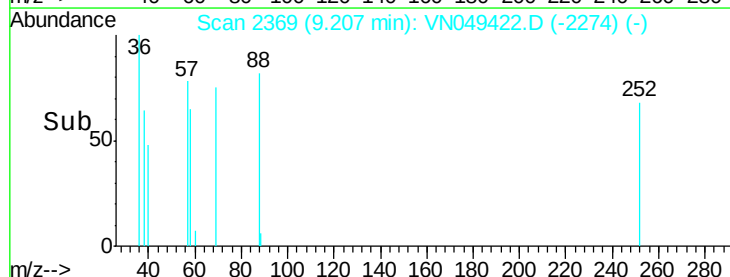
Abundance Ion 88.00 (87.70 to 88.70): VN049422.D (-2369) (-)

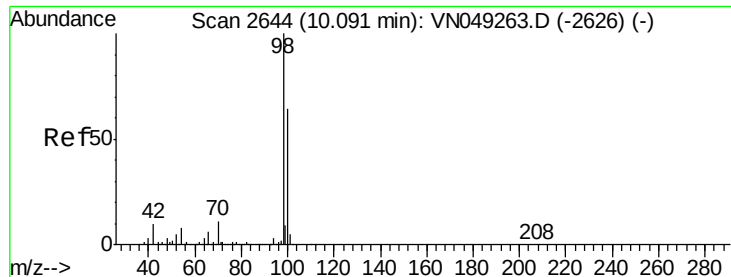
Ion 43.00 (42.70 to 43.70): VN049422.D (-2369) (-)

Ion 58.00 (57.70 to 58.70): VN049422.D (-2369) (-)

9.21

Time-->





#50

Toluene-d8

Concen: 44.323 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

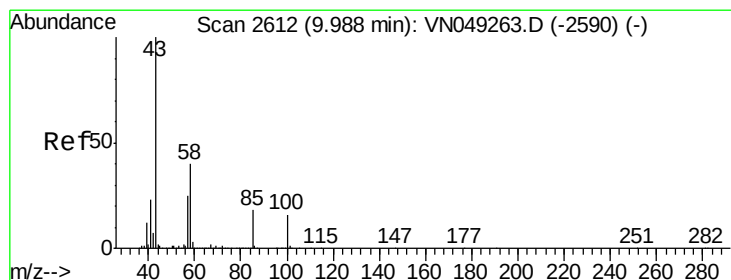
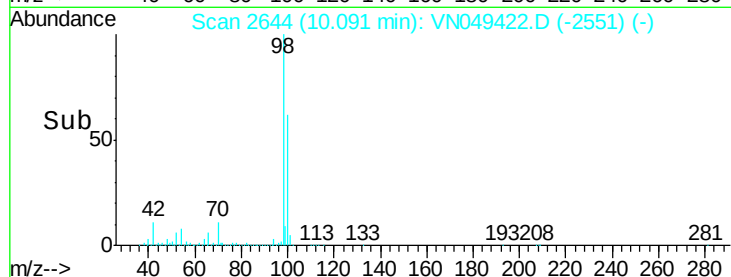
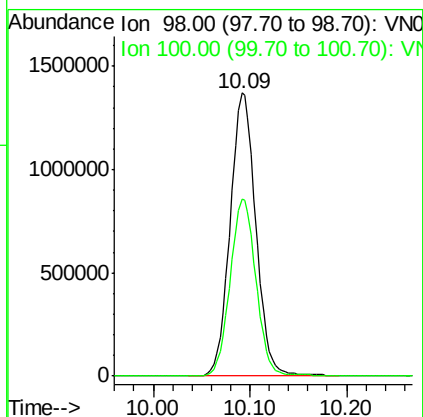
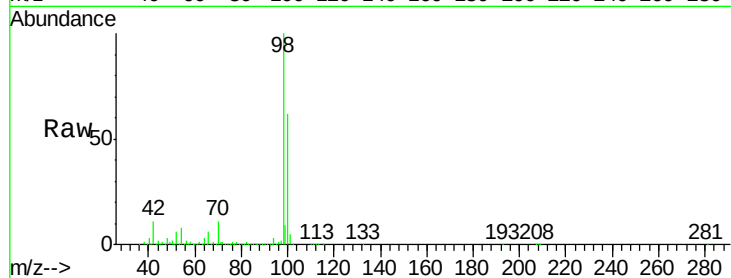
ClientSampled :

Tot Ion: 98 Resp: 2530533

Ion Ratio Lower Upper

98 100

100 63.1 49.8 74.8



#51

4-Methyl-2-Pentanone

Concen: 0.308 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049422.D

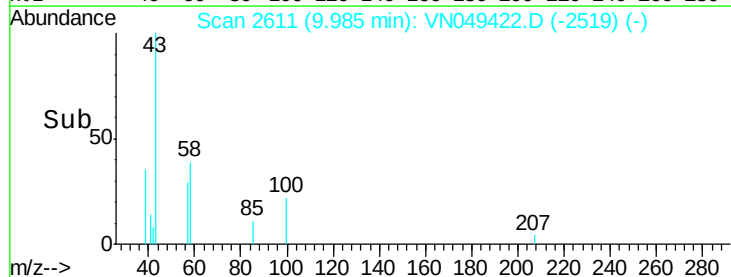
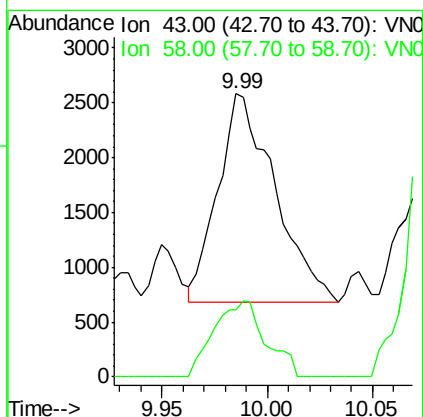
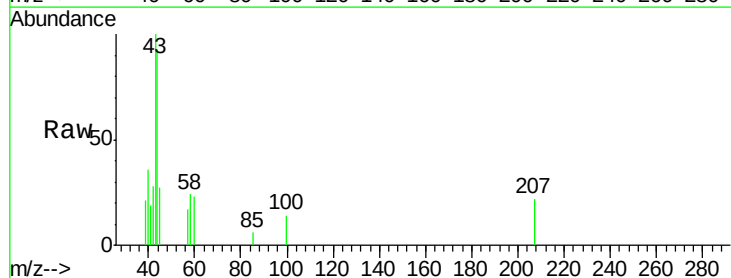
Acq: 20 Jun 2018 7:54

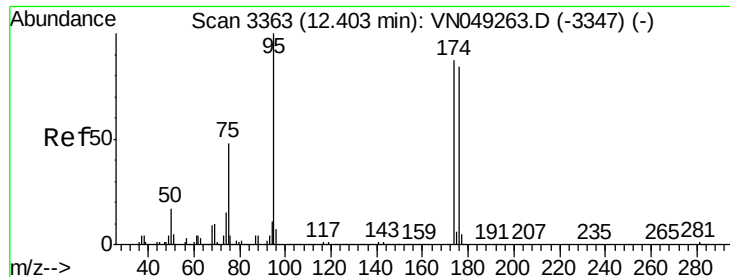
Tgt Ion: 43 Resp: 3559

Ion Ratio Lower Upper

43 100

58 33.0 29.0 43.6

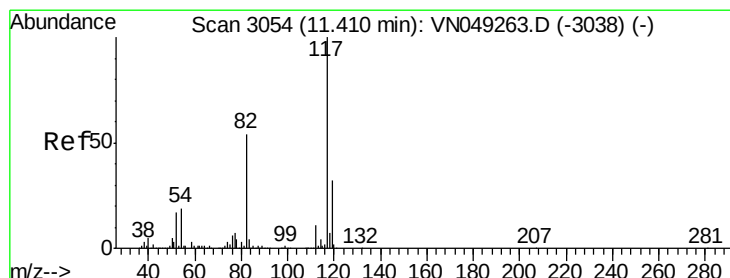
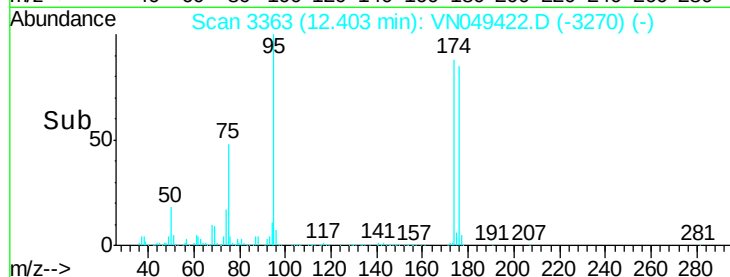
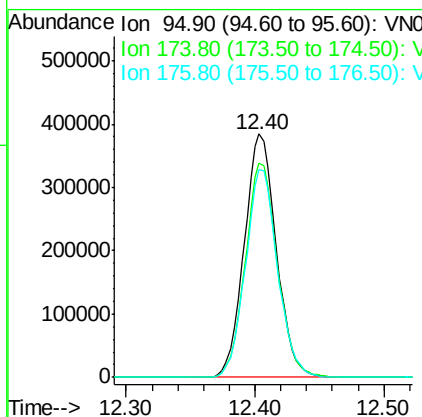
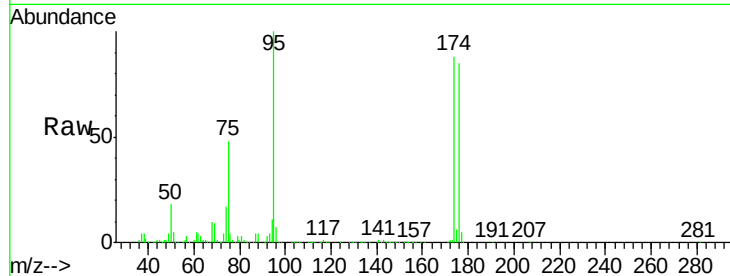




#62
4-Bromofluorobenzene
Concen: 35.194 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

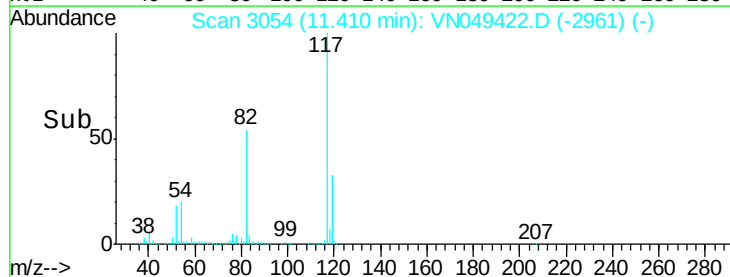
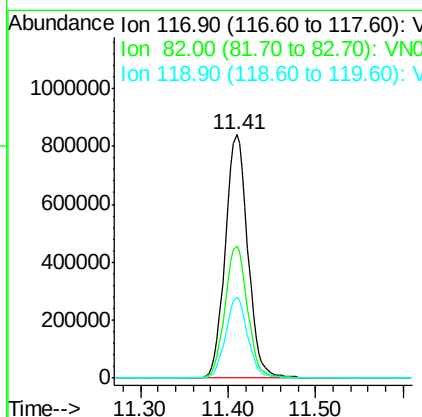
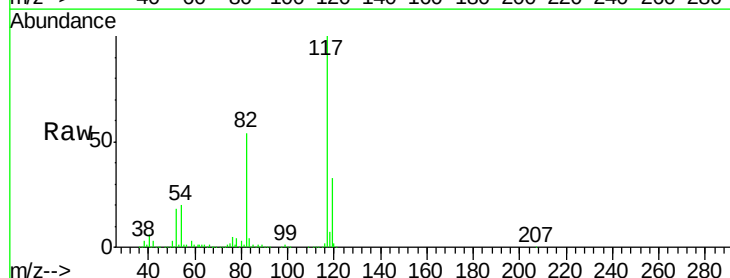
Instrument :
MSVOA_N
ClientSampled :

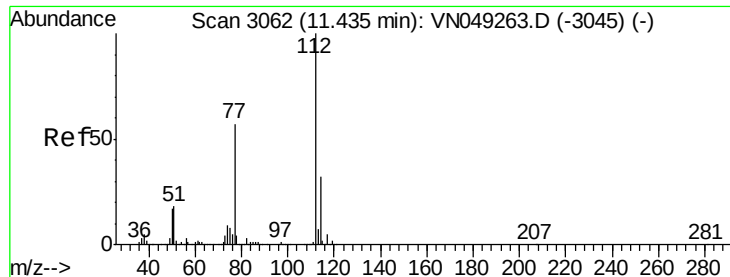
Tot Ion: 95 Resp: 664376
Ion Ratio Lower Upper
95 100
174 88.1 0.0 165.6
176 85.6 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

Tgt Ion: 117 Resp: 1505100
Ion Ratio Lower Upper
117 100
82 54.3 45.9 68.9
119 33.2 25.5 38.3





#65

Chlorobenzene

Concen: 0.320 ug/l

RT: 11.43 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

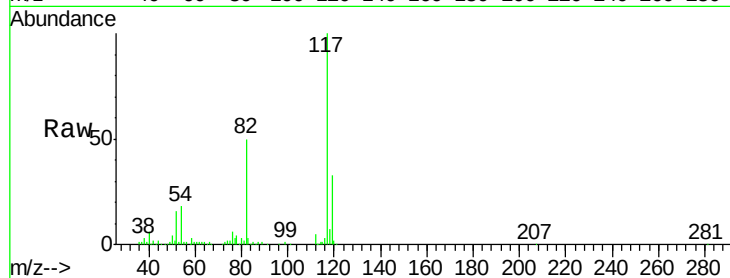
ClientSampleId :

Tot Ion:112 Resp: 12426

Ion Ratio Lower Upper

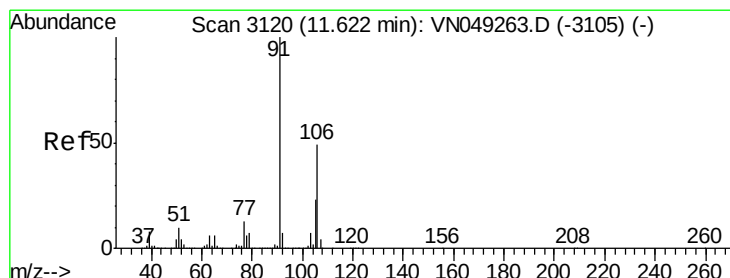
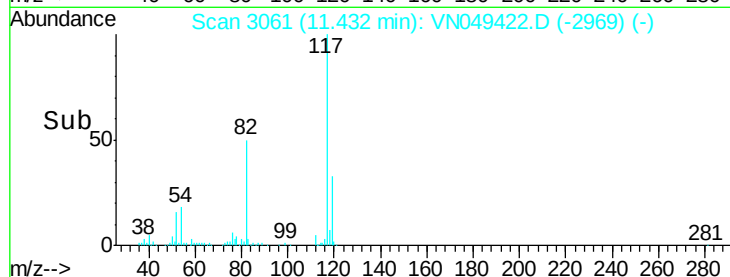
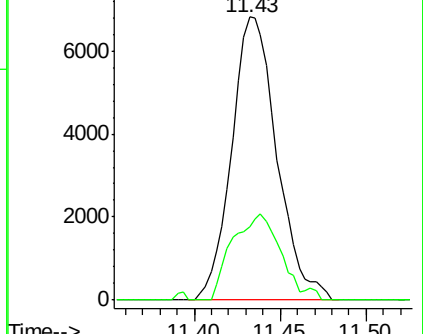
112 100

114 26.0 26.2 39.4#



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 0.457 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN049422.D

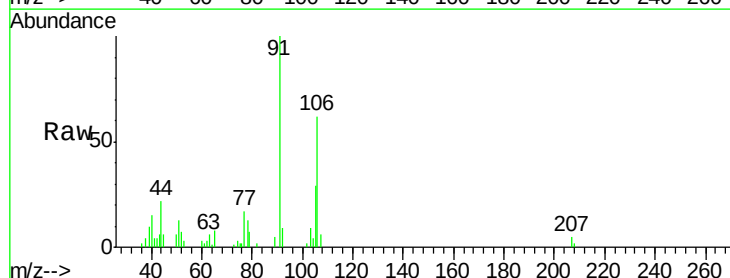
Acq: 20 Jun 2018 7:54

Tgt Ion:106 Resp: 11024

Ion Ratio Lower Upper

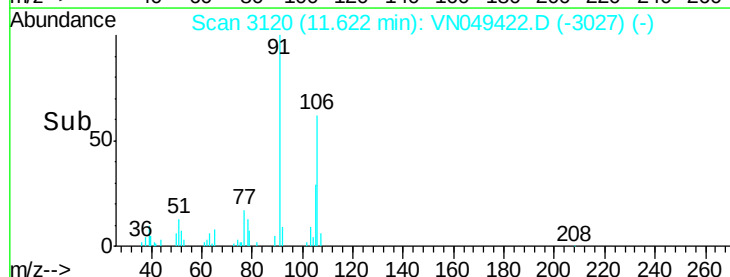
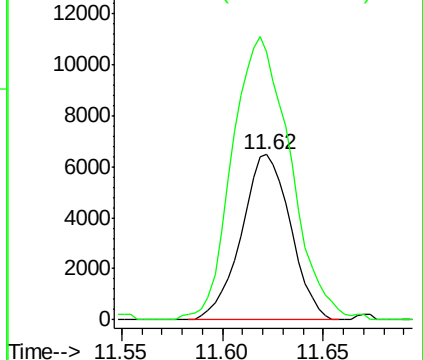
106 100

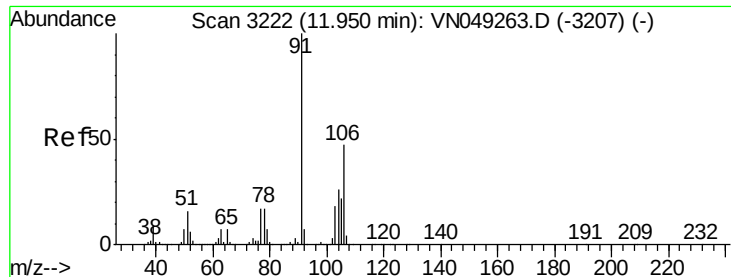
91 202.7 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

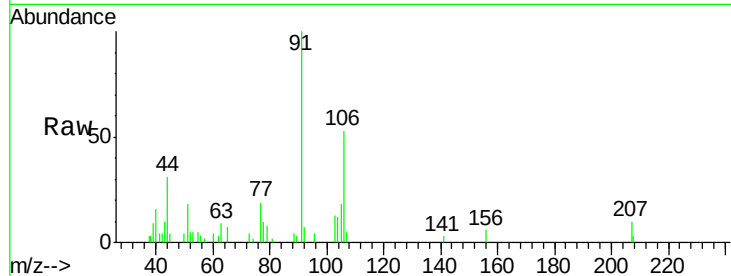




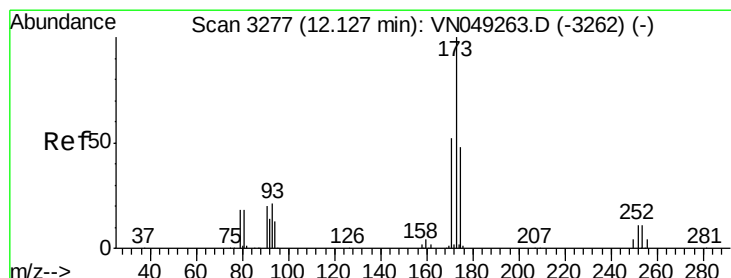
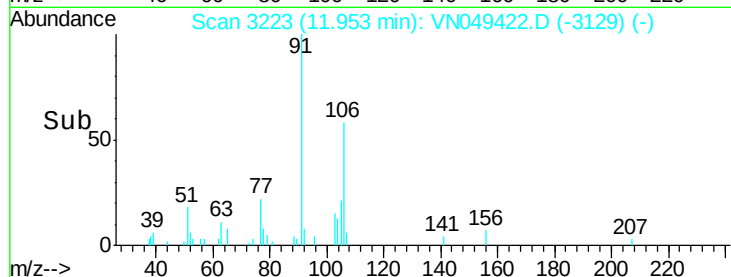
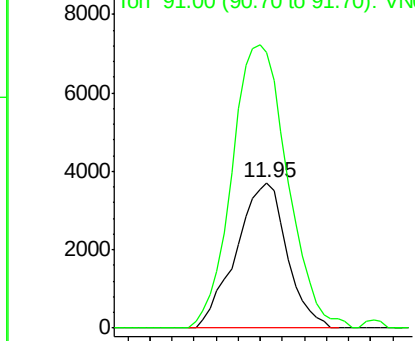
#69
o-Xylene
Concen: 0.254 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 5896
Ion Ratio Lower Upper
106 100
91 213.8 111.0 333.0

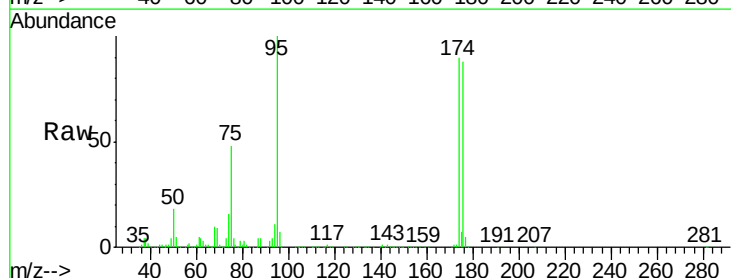


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

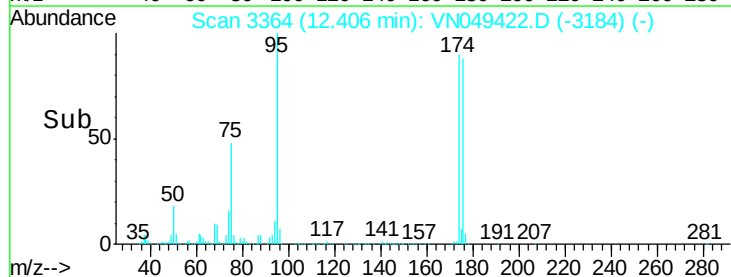
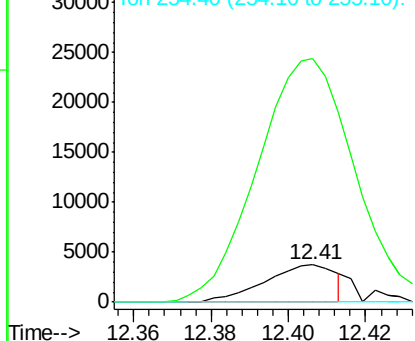


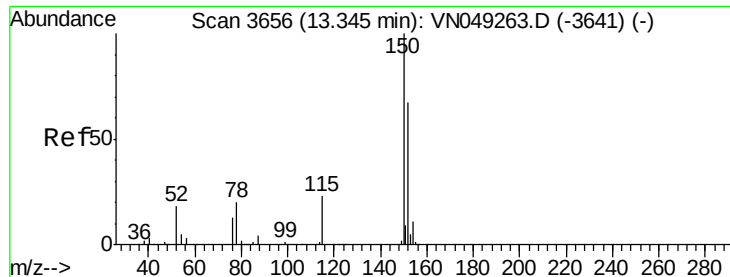
#71
Bromoform
Concen: 0.503 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

Tgt Ion:173 Resp: 4753
Ion Ratio Lower Upper
173 100
175 719.0 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



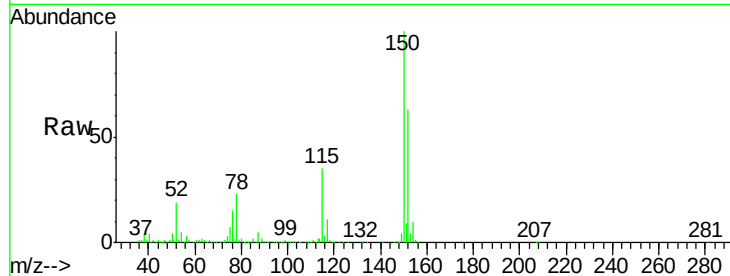


#72

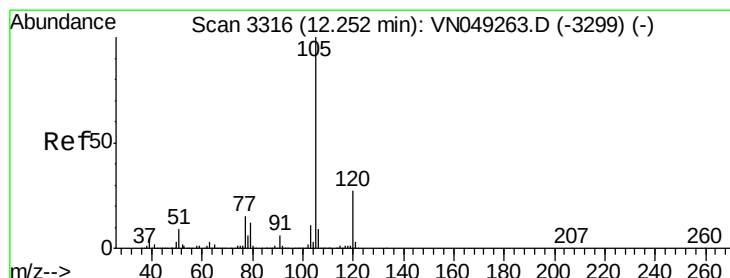
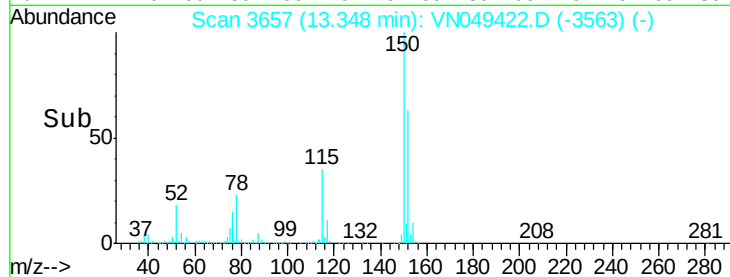
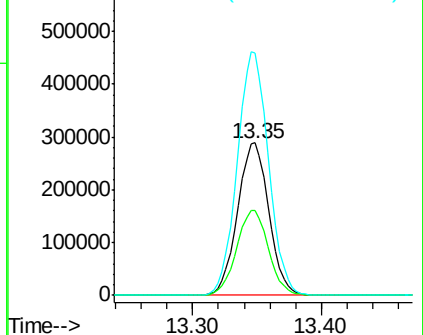
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.7	86.1
150	159.5	0.0	351.0



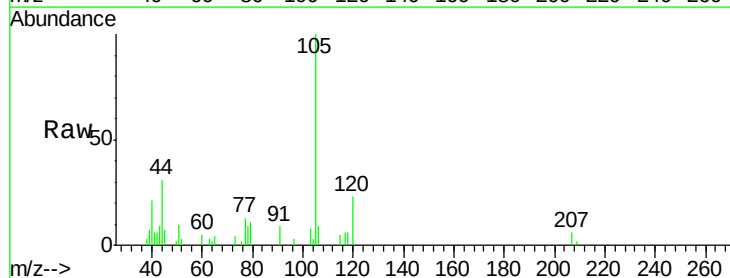
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



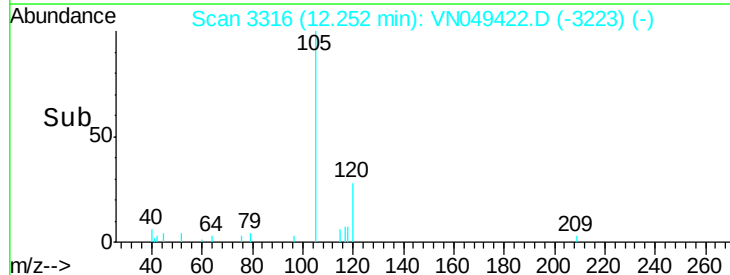
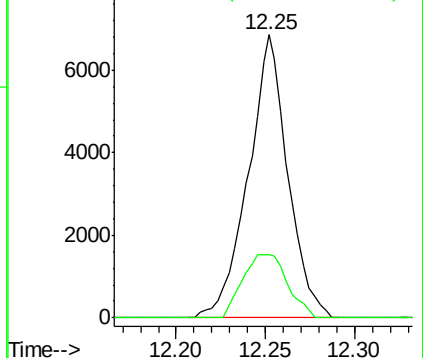
#73

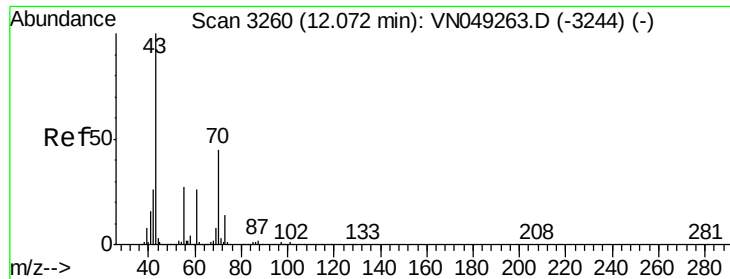
Isopropylbenzene
Concen: 0.249 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. 0.00 min
Lab File: VN049422.D
Acq: 20 Jun 2018 7:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.8	38.3



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





#74

N-amvl acetate

Concen: 0.208 ug/l

RT: 12.04 min Scan# 3251

Delta R.T. -0.03 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 2176

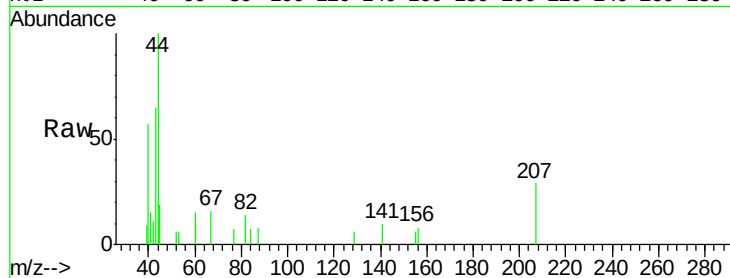
Ion Ratio Lower Upper

43 100

70 1.4 30.3 45.5#

55 10.7 19.4 29.2#

61 1.3 17.8 26.6#

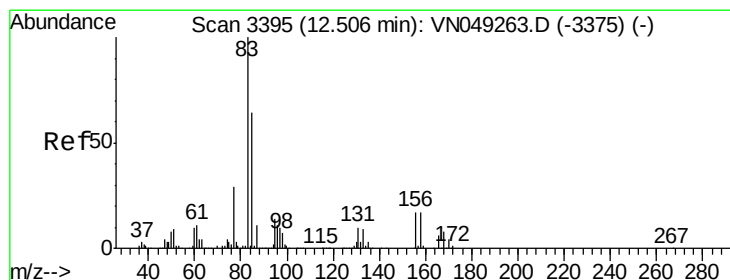
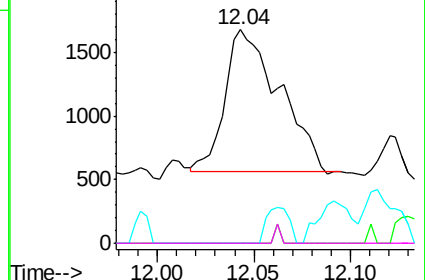
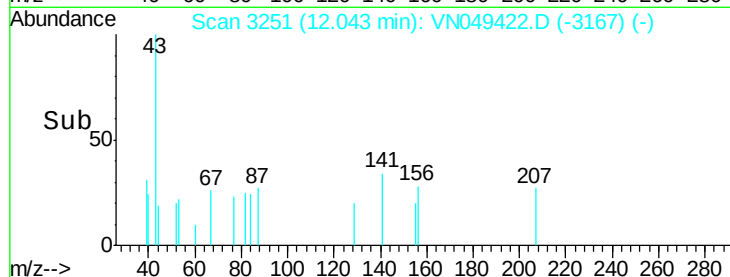


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3387

Delta R.T. -0.02 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

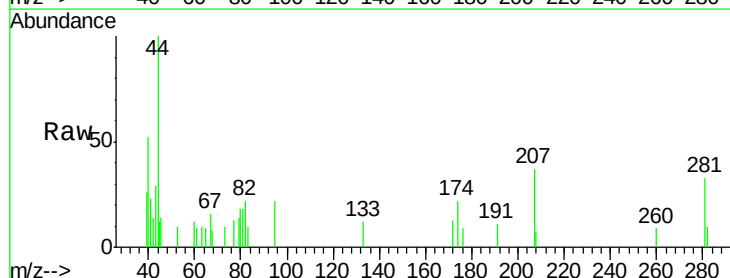
Tgt Ion: 83 Resp: 114

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

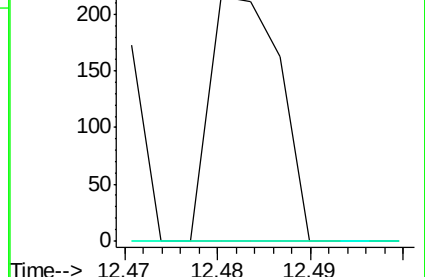
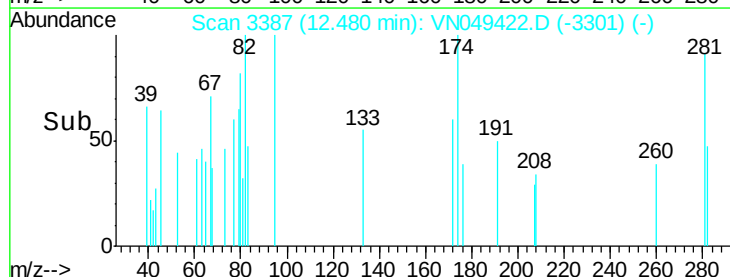
85 0.0 32.0 96.0#

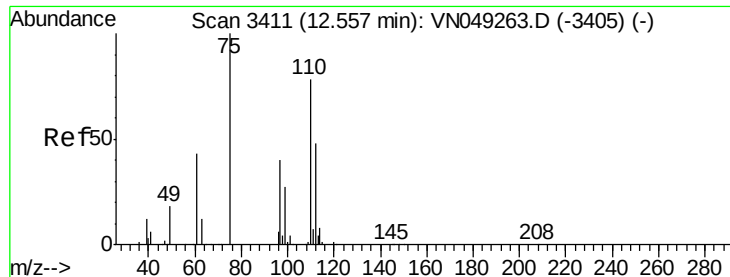


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 38.329 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

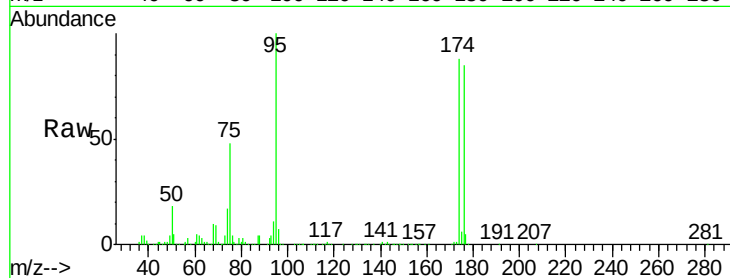
ClientSampleId :

Tot Ion: 75 Resp: 317899

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

200000

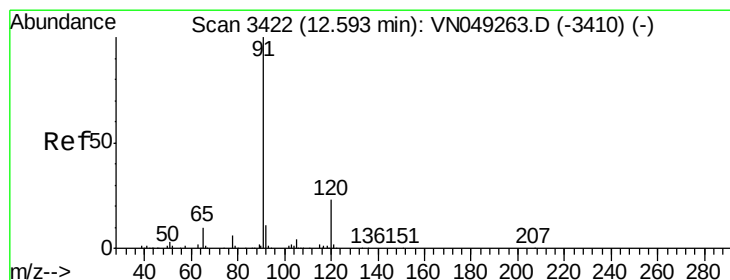
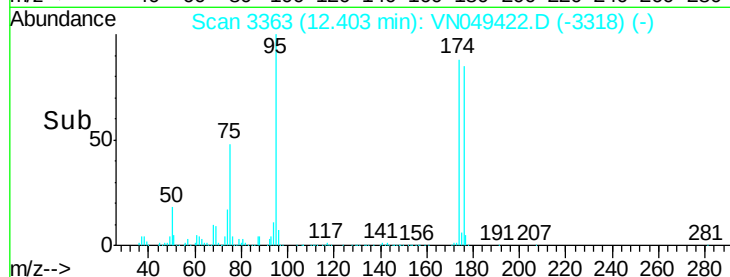
150000

100000

50000

0

Time-->



#78

n-propylbenzene

Concen: 0.534 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049422.D

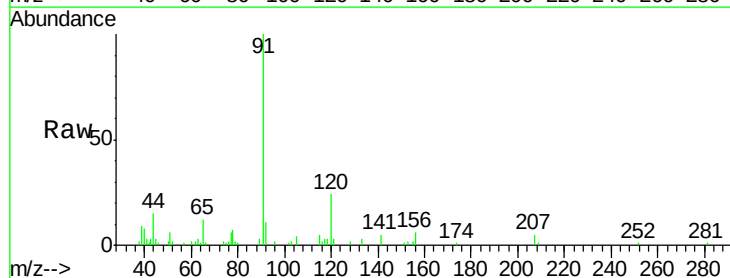
Acq: 20 Jun 2018 7:54

Tgt Ion: 91 Resp: 25042

Ion Ratio Lower Upper

91 100

120 24.4 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

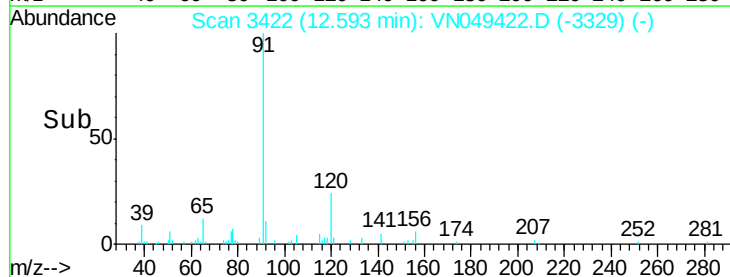
15000

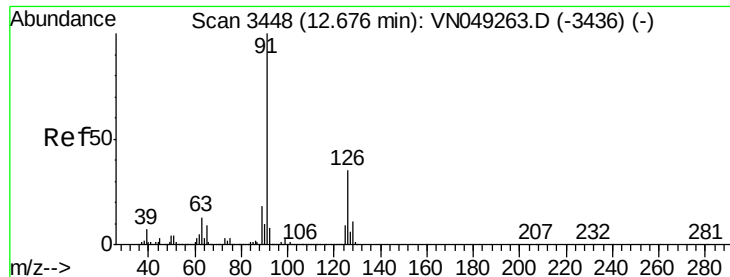
10000

5000

0

Time-->





#79

2-Chlorotoluene

Concen: 0.375 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

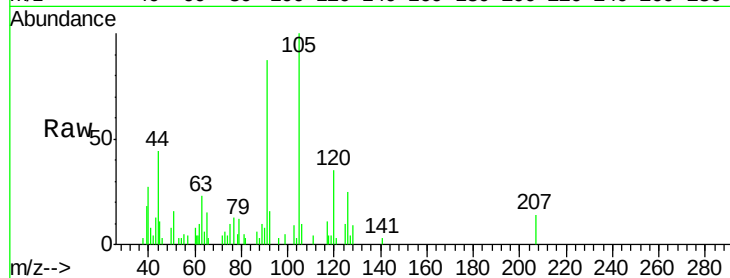
ClientSampled :

Tot Ion: 91 Resp: 11142

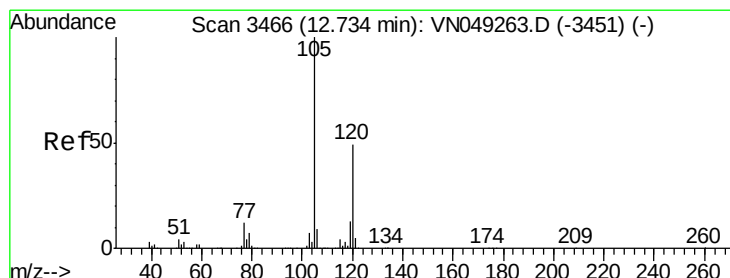
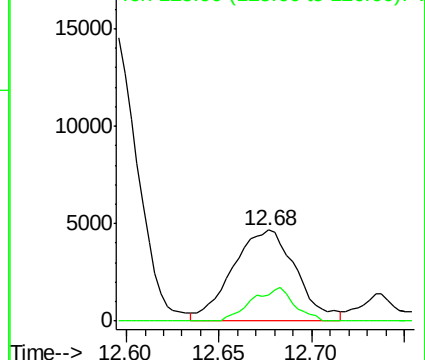
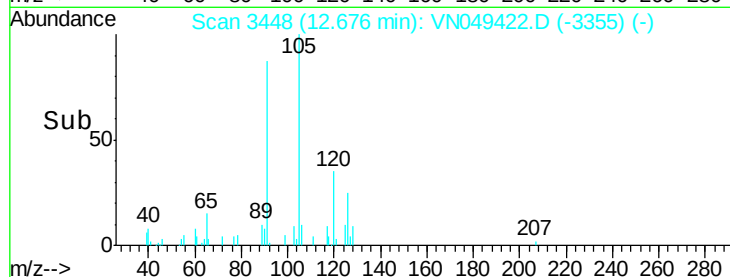
Ion Ratio Lower Upper

91 100

126 24.4 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049422.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.388 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049422.D

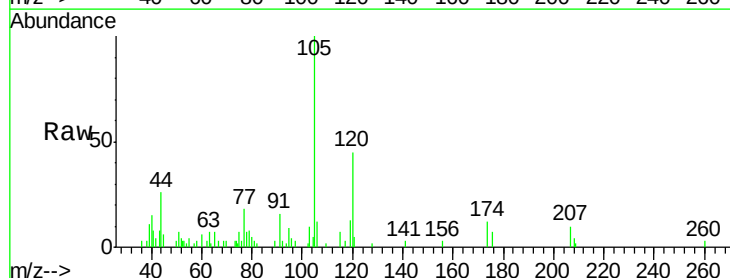
Acq: 20 Jun 2018 7:54

Tgt Ion: 105 Resp: 13023

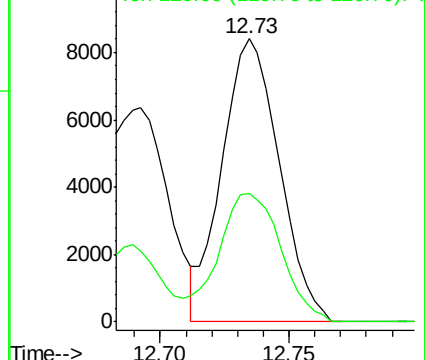
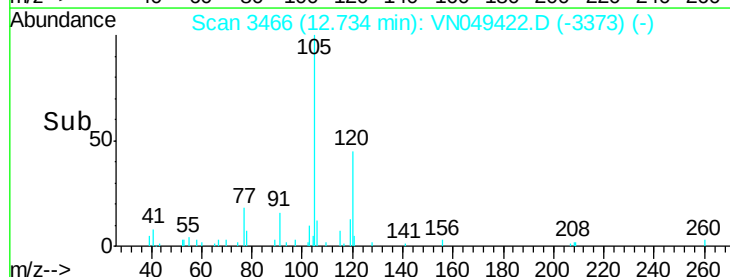
Ion Ratio Lower Upper

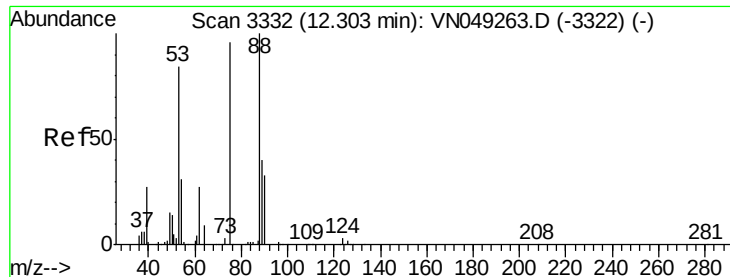
105 100

120 49.8 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): VN049422.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 121.142 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

ClientSampled :

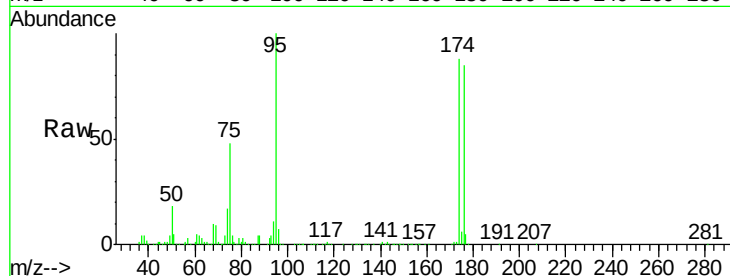
Tot Ion: 75 Resp: 317899

Ion Ratio Lower Upper

75 100

53 0.3 82.7 124.1#

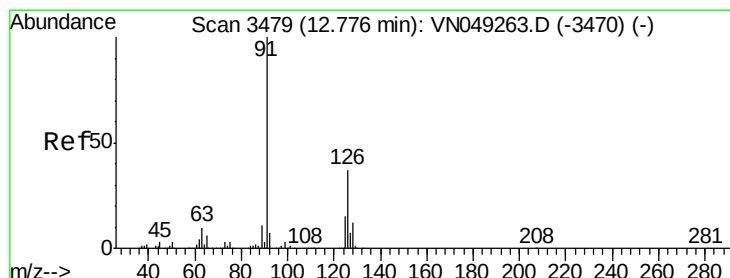
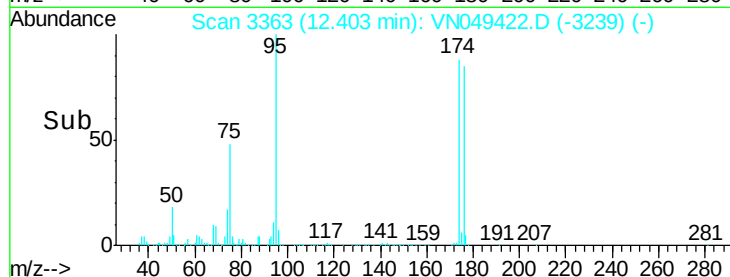
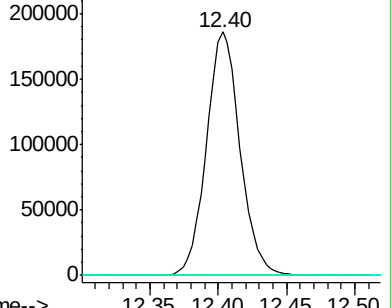
89 0.0 36.5 54.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049422.D (-3363) (-)

Ion 53.00 (52.70 to 53.70): VN049422.D (-3363) (-)

Ion 88.90 (88.60 to 89.60): VN049422.D (-3363) (-)



#82

4-Chlorotoluene

Concen: 0.389 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.10 min

Lab File: VN049422.D

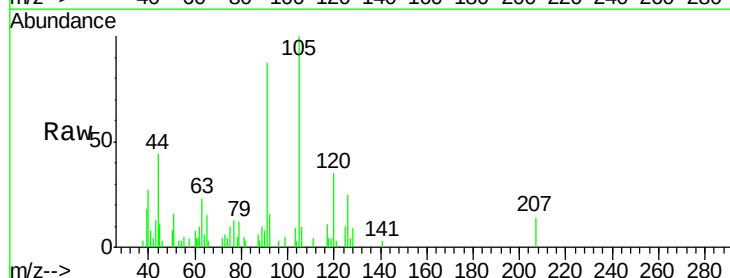
Acq: 20 Jun 2018 7:54

Tgt Ion: 91 Resp: 11142

Ion Ratio Lower Upper

91 100

126 24.4 16.4 49.1



Abundance Ion 91.00 (90.70 to 91.70): VN049422.D (-3448) (-)

Ion 125.90 (125.60 to 126.60): VN049422.D (-3448) (-)

Ion 126.60 (126.30 to 126.90): VN049422.D (-3448) (-)

Ion 127.90 (127.60 to 128.20): VN049422.D (-3448) (-)

Ion 129.90 (129.60 to 130.20): VN049422.D (-3448) (-)

Ion 131.90 (131.60 to 132.20): VN049422.D (-3448) (-)

Ion 133.90 (133.60 to 134.20): VN049422.D (-3448) (-)

Ion 135.90 (135.60 to 136.20): VN049422.D (-3448) (-)

Ion 137.90 (137.60 to 138.20): VN049422.D (-3448) (-)

Ion 139.90 (139.60 to 140.20): VN049422.D (-3448) (-)

Ion 141.90 (141.60 to 142.20): VN049422.D (-3448) (-)

Ion 143.90 (143.60 to 144.20): VN049422.D (-3448) (-)

Ion 145.90 (145.60 to 146.20): VN049422.D (-3448) (-)

Ion 147.90 (147.60 to 148.20): VN049422.D (-3448) (-)

Ion 149.90 (149.60 to 150.20): VN049422.D (-3448) (-)

Ion 151.90 (151.60 to 152.20): VN049422.D (-3448) (-)

Ion 153.90 (153.60 to 154.20): VN049422.D (-3448) (-)

Ion 155.90 (155.60 to 156.20): VN049422.D (-3448) (-)

Ion 157.90 (157.60 to 158.20): VN049422.D (-3448) (-)

Ion 159.90 (159.60 to 160.20): VN049422.D (-3448) (-)

Ion 161.90 (161.60 to 162.20): VN049422.D (-3448) (-)

Ion 163.90 (163.60 to 164.20): VN049422.D (-3448) (-)

Ion 165.90 (165.60 to 166.20): VN049422.D (-3448) (-)

Ion 167.90 (167.60 to 168.20): VN049422.D (-3448) (-)

Ion 169.90 (169.60 to 170.20): VN049422.D (-3448) (-)

Ion 171.90 (171.60 to 172.20): VN049422.D (-3448) (-)

Ion 173.90 (173.60 to 174.20): VN049422.D (-3448) (-)

Ion 175.90 (175.60 to 176.20): VN049422.D (-3448) (-)

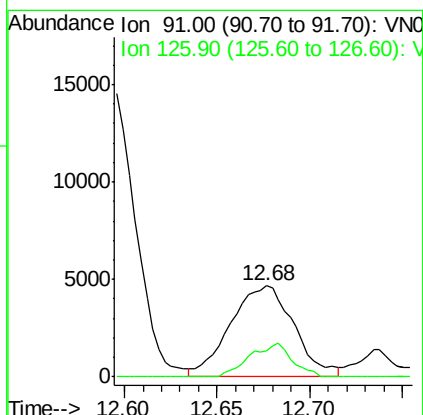
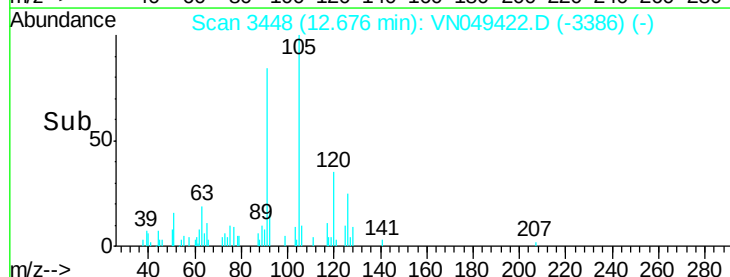
Ion 177.90 (177.60 to 178.20): VN049422.D (-3448) (-)

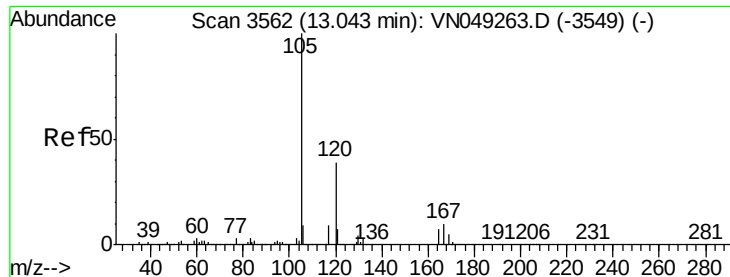
Ion 179.90 (179.60 to 180.20): VN049422.D (-3448) (-)

Ion 181.90 (181.60 to 182.20): VN049422.D (-3448) (-)

Ion 183.90 (183.60 to 184.20): VN049422.D (-3448) (-)

Ion 185.90 (185.60 to 186.20): VN049422.D (-3448) (-)





#84

1,2,4-Trimethylbenzene

Concen: 1.414 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

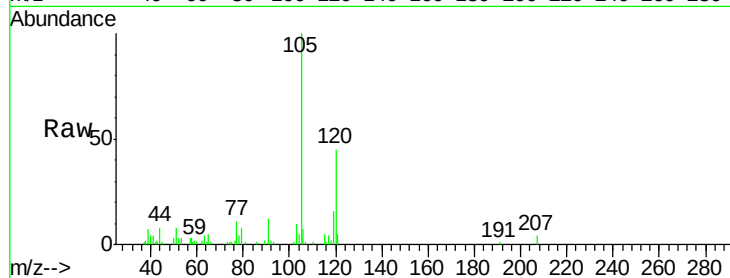
ClientSampleId :

Tot Ion:105 Resp: 47116

Ion Ratio Lower Upper

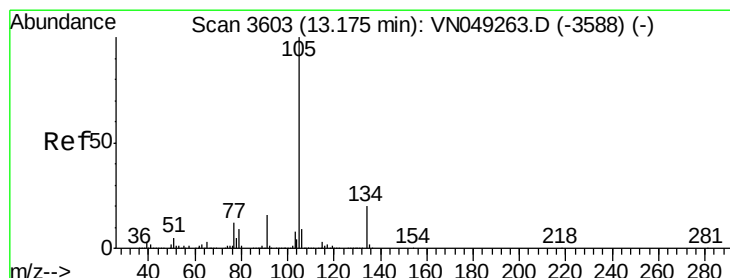
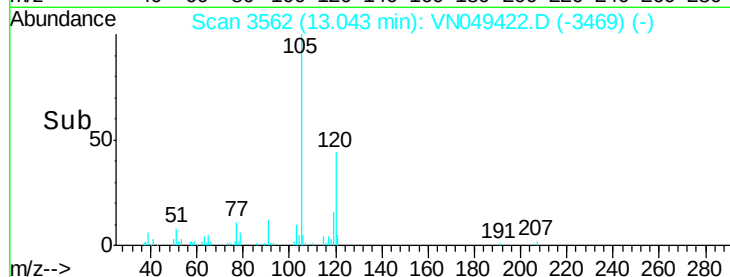
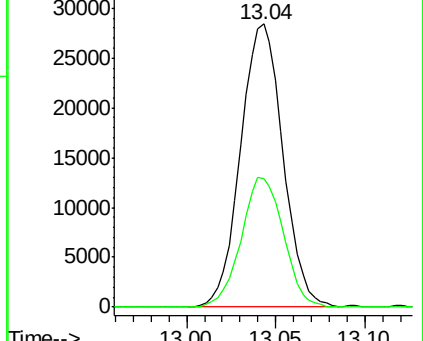
105 100

120 45.6 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 0.392 ug/l

RT: 13.18 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN049422.D

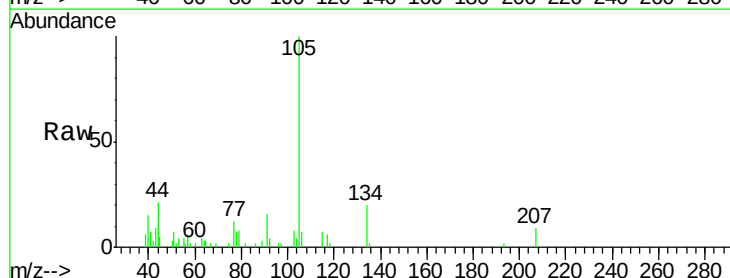
Acq: 20 Jun 2018 7:54

Tgt Ion:105 Resp: 15498

Ion Ratio Lower Upper

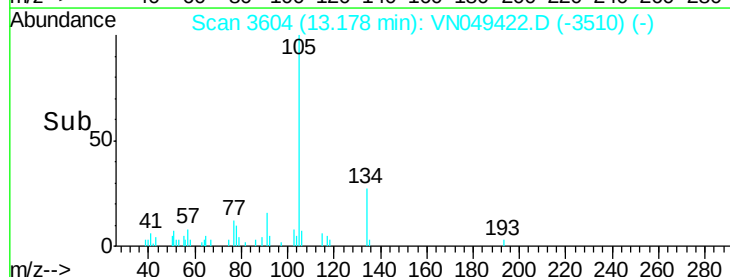
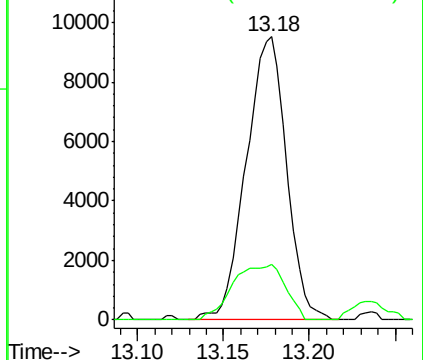
105 100

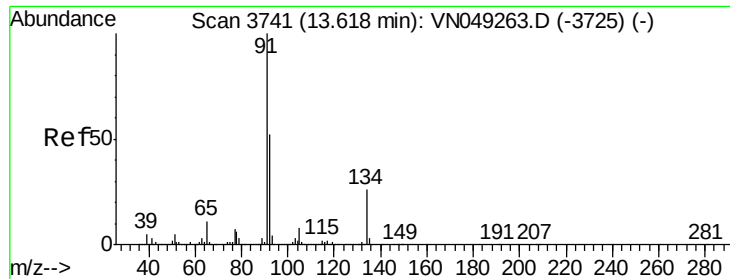
134 25.3 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#89

n-Butylbenzene

Concen: 0.233 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

ClientSampled :

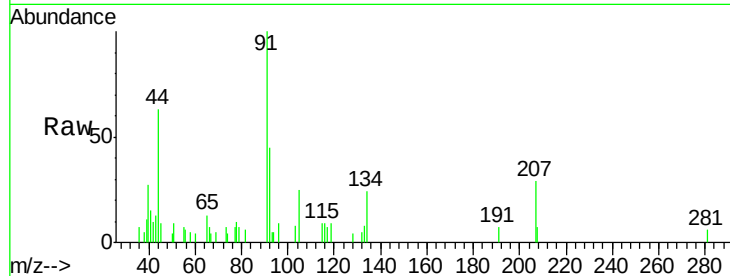
Tot Ion: 91 Resp: 6006

Ion Ratio Lower Upper

91 100

92 59.9 25.1 75.4

134 0.0 12.0 36.0#

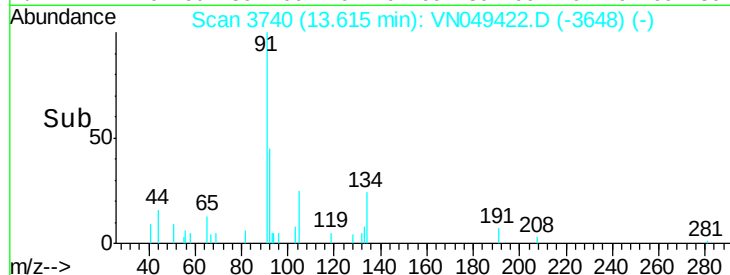


Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3725) (-)

Ion 92.00 (91.70 to 92.70): VN049263.D (-3725) (-)

Ion 134.00 (133.70 to 134.70): VN049263.D (-3725) (-)

Time-->

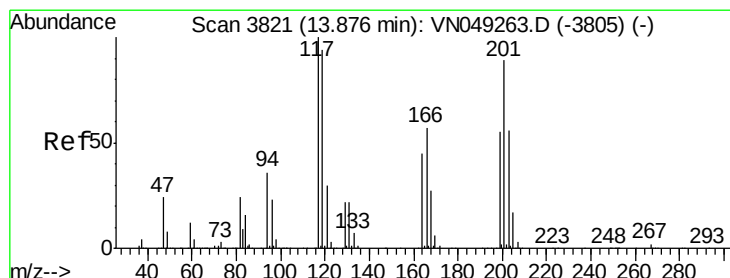


Abundance Ion 91.00 (90.70 to 91.70): VN049422.D (-3648) (-)

Ion 92.00 (91.70 to 92.70): VN049422.D (-3648) (-)

Ion 134.00 (133.70 to 134.70): VN049422.D (-3648) (-)

Time-->



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3824

Delta R.T. 0.01 min

Lab File: VN049422.D

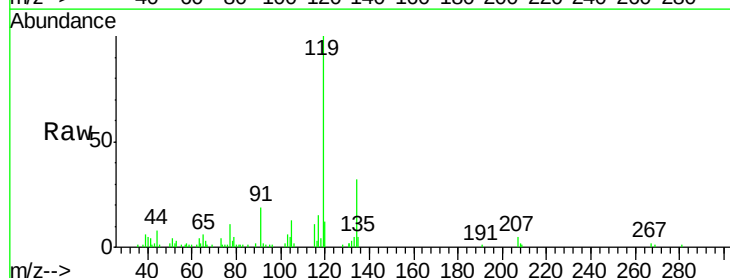
Acq: 20 Jun 2018 7:54

Tgt Ion: 117 Resp: 6775

Ion Ratio Lower Upper

117 100

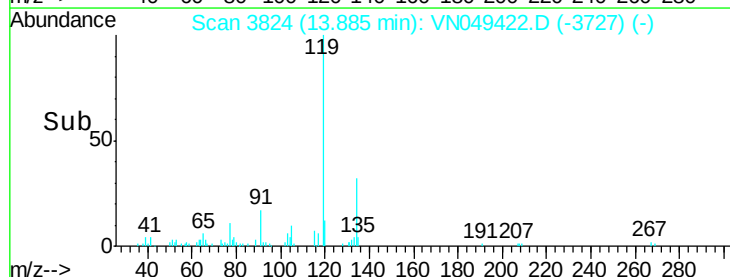
201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049263.D (-3805) (-)

Ion 200.70 (200.40 to 201.40): VN049263.D (-3805) (-)

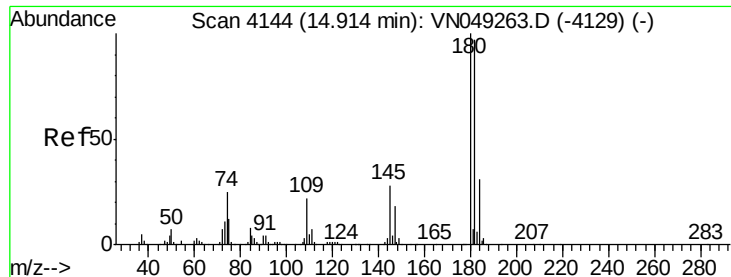
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN049422.D (-3727) (-)

Ion 200.70 (200.40 to 201.40): VN049422.D (-3727) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 4.766 ug/l

RT: 14.92 min Scan# 4146

Delta R.T. 0.01 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

Instrument :

MSVOA_N

ClientSampled :

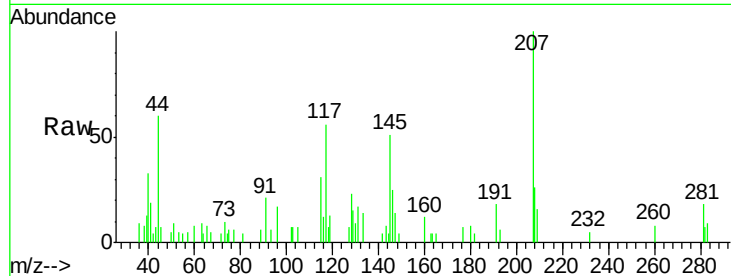
Tot Ion:180 Resp: 215

Ion Ratio Lower Upper

180 100

182 74.0 46.9 140.8

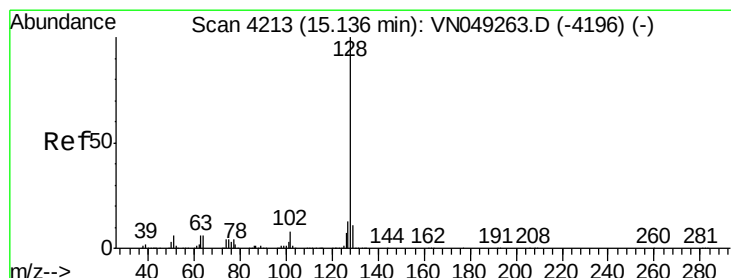
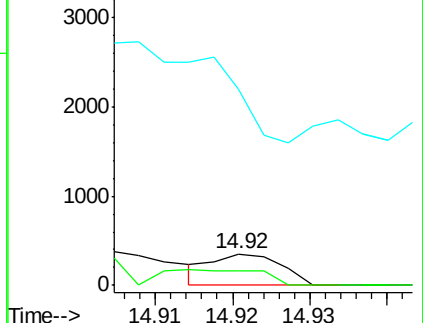
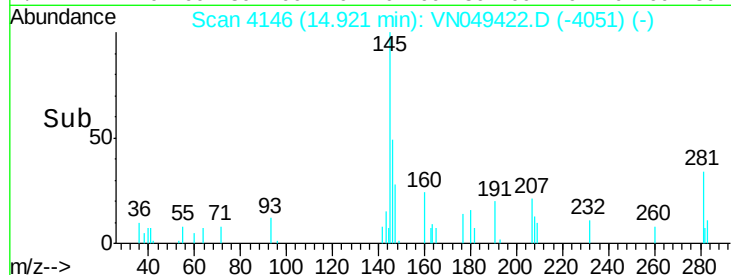
145 0.0 14.7 44.1#



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: 21.934 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049422.D

Acq: 20 Jun 2018 7:54

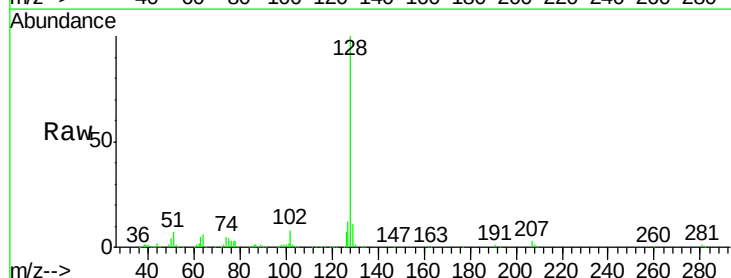
Tgt Ion:128 Resp: 283338

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

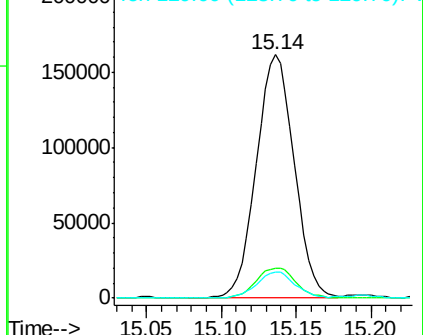
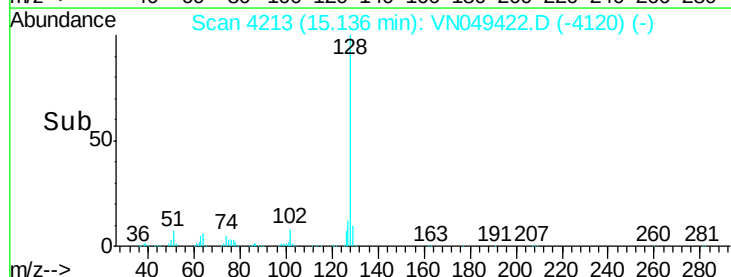
129 10.4 8.5 12.7

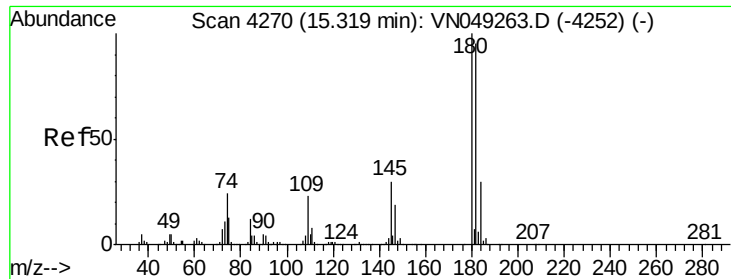


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

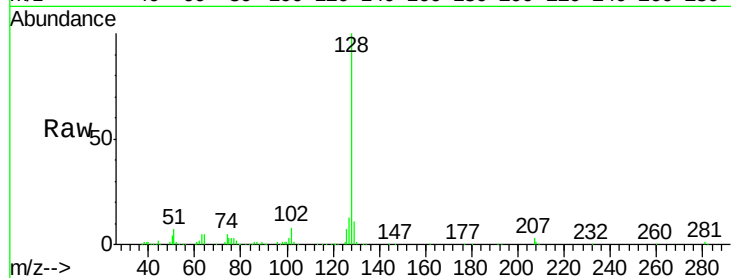




#96
 1,2,3-Trichlorobenzene
 Concen: 3.461 ug/l
 RT: 15.14 min Scan# 4214
 Delta R.T. -0.18 min
 Lab File: VN049422.D
 Acq: 20 Jun 2018 7:54

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.8#
145	0.0	15.6	46.7#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

