

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049302.D
 Acq On : 16 Jun 2018 10:43
 Operator : MD\SY
 Sample : J3464-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 18 01:15:46 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	1437072	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2274799	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1872210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	609795	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	911708	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
35) Dibromofluoromethane	7.59	113	815924	44.33	ug/l	0.00
Spiked Amount			Recovery	=	88.66%	
50) Toluene-d8	10.09	98	3139390	44.80	ug/l	0.00
Spiked Amount			Recovery	=	89.60%	
62) 4-Bromofluorobenzene	12.40	95	808902	34.91	ug/l	0.00
Spiked Amount			Recovery	=	69.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.57	94	3071	0.26	ug/l #	42
8) Diethyl Ether	3.42	74	3953	0.40	ug/l	95
11) Tert butyl alcohol	4.74	59	1601	1.43	ug/l #	70
13) Acrolein	3.61	56	659	0.56	ug/l	92
14) Allyl chloride	4.55	41	230526	8.86	ug/l #	20
16) Acetone	3.82	43	75654	16.35	ug/l	96
18) Methyl Acetate	4.33	43	118769	8.42	ug/l	95
20) Methylene Chloride	4.55	84	6633682	343.20	ug/l	92
25) 2-Butanone	6.85	43	18881	3.04	ug/l	94
30) Chloroform	7.38	83	24225	0.73	ug/l	97
31) Cyclohexane	7.67	56	26077	0.75	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	100666	3.86	ug/l #	49
37) Ethyl Acetate	6.85	43	18881	1.33	ug/l #	72
38) Carbon Tetrachloride	7.67	117	130855	4.85	ug/l #	17
43) Isopropyl Acetate	8.21	43	470992	17.39	ug/l #	64
47) Bromodichloromethane	9.41	83	8867	0.33	ug/l	96
49) 1,4-Dioxane	9.12	88	62	0.35	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	18860	1.33	ug/l	95
65) Chlorobenzene	11.44	112	11033	0.23	ug/l	99
68) m/p-Xylenes	11.62	106	13868	0.46	ug/l	95
69) o-Xylene	11.95	106	7026	0.24	ug/l	92
71) Bromoform	12.41	173	5309	0.45	ug/l #	1
73) Isopropylbenzene	12.25	105	13241	0.25	ug/l	98
74) N-ethyl acetate	12.05	43	2703	0.21	ug/l #	45
75) 1,1,2,2-Tetrachloroethane	12.49	83	244	Below Cal	#	39
76) 1,2,3-Trichloropropane	12.40	75	390983	37.58	ug/l #	100
77) Bromobenzene	12.56	156	17991	1.27	ug/l #	1
78) n-propylbenzene	12.60	91	31421	0.53	ug/l	97
79) 2-Chlorotoluene	12.68	91	14237	0.38	ug/l	84
80) 1,3,5-Trimethylbenzene	12.73	105	15151	0.36	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	390983	118.77	ug/l #	9
82) 4-Chlorotoluene	12.68	91	14237	0.40	ug/l	85
84) 1,2,4-Trimethylbenzene	13.04	105	55965	1.34	ug/l	98
85) sec-Butylbenzene	13.17	105	15856	0.32	ug/l	81

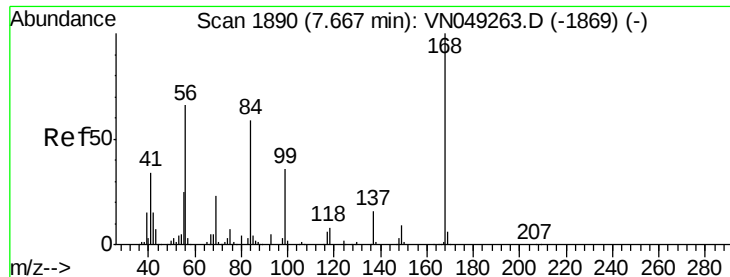
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049302.D
Acq On : 16 Jun 2018 10:43
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Quant Time: Jun 18 01:15:46 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.62	91	9066	0.28	ug/l #	78
90) Hexachloroethane	13.89	117	6605	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.91	180	1641	4.88	ug/l #	73
95) Naphthalene	15.14	128	406478	24.61	ug/l	100
96) 1,2,3-Trichlorobenzene	15.33	180	544	3.51	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

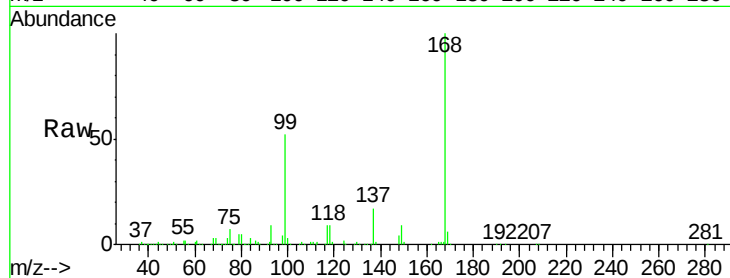
ClientSampleId :

Tot Ion:168 Resp: 1437072

Ion Ratio Lower Upper

168 100

99 51.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

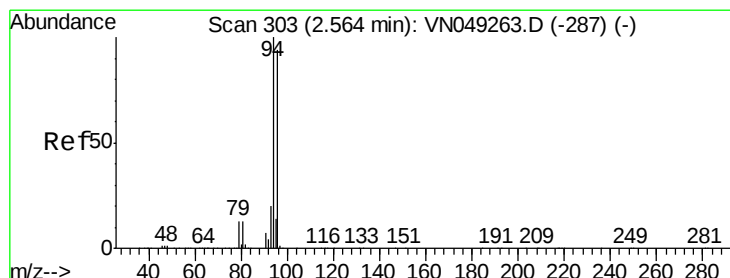
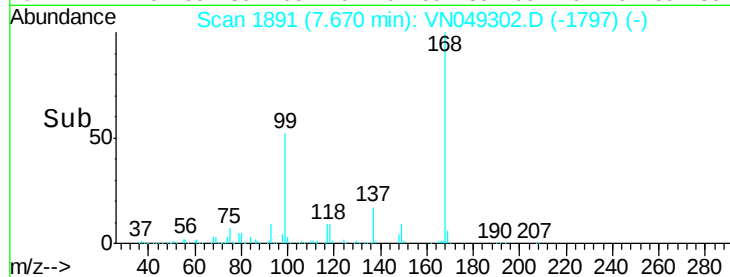
600000

400000

200000

0

Time-->



#5

Bromomethane

Concen: 0.26 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049302.D

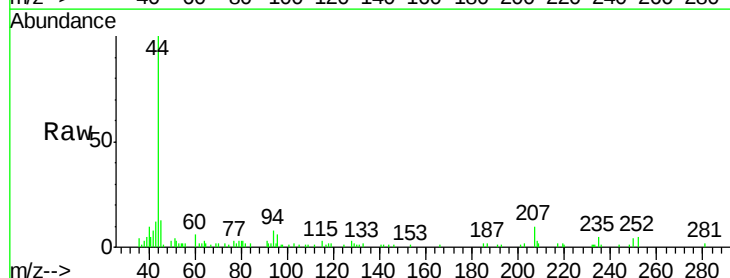
Acq: 16 Jun 2018 10:43

Tgt Ion: 94 Resp: 3071

Ion Ratio Lower Upper

94 100

96 35.6 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.57

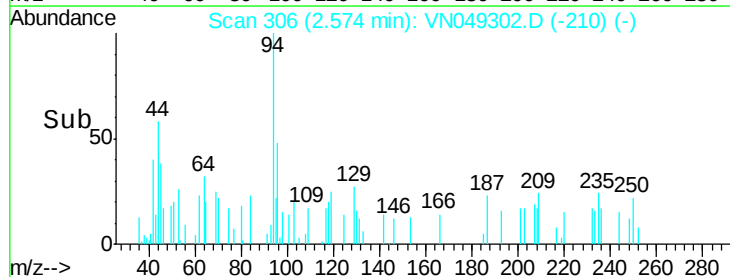
1500

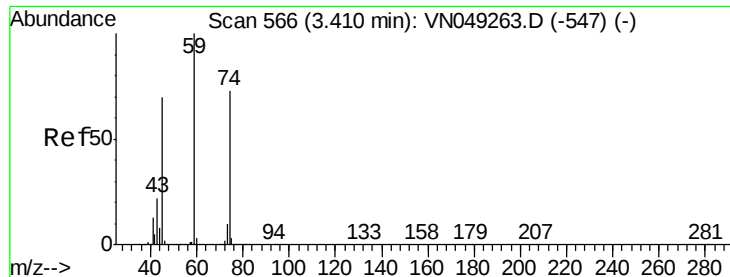
1000

500

0

Time-->





#8

Diethyl Ether

Concen: 0.40 ug/l

RT: 3.42 min Scan# 569

Delta R.T. 0.01 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

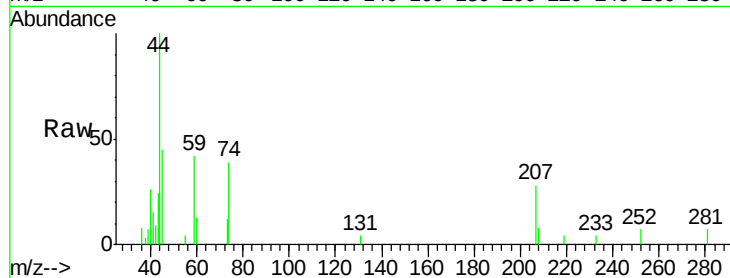
ClientSampleId :

Tot Ion: 74 Resp: 3953

Ion Ratio Lower Upper

74 100

45 99.1 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VN049302.D (-547) (-)

Ion 45.00 (44.70 to 45.70): VN049302.D (-547) (-)

2500

2000

1500

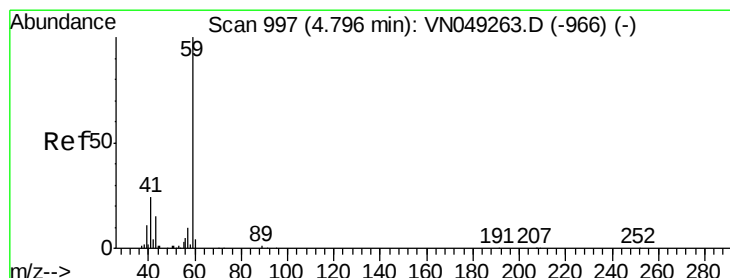
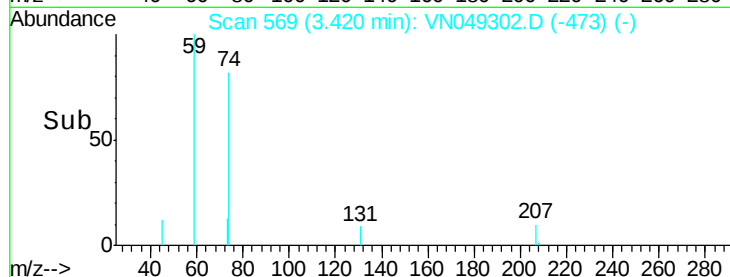
1000

500

0

3.35 3.40 3.45

Time-->



#11

Tert butyl alcohol

Concen: 1.43 ug/l

RT: 4.74 min Scan# 979

Delta R.T. -0.06 min

Lab File: VN049302.D

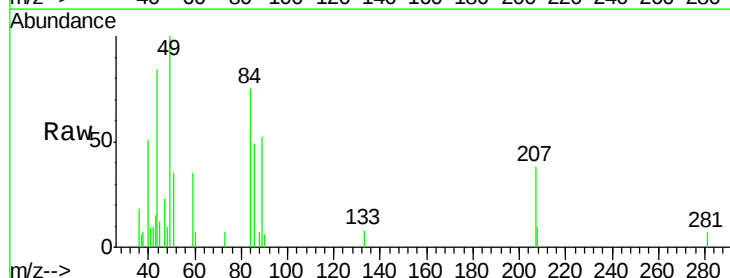
Acq: 16 Jun 2018 10:43

Tgt Ion: 59 Resp: 1601

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN049302.D (-966) (-)

Ion 57.00 (56.70 to 57.70): VN049302.D (-966) (-)

1000

800

600

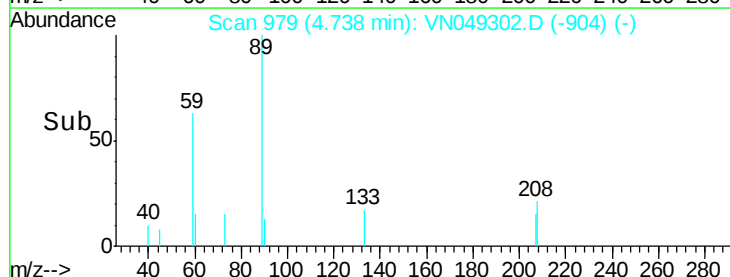
400

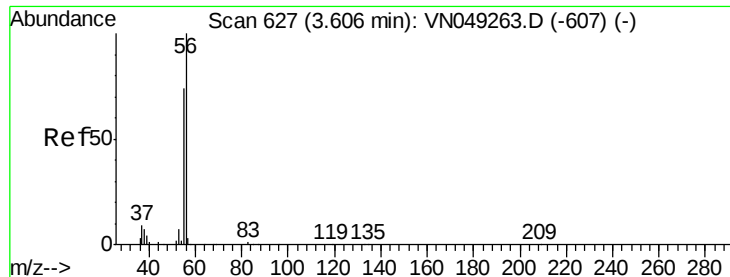
200

0

4.68 4.70 4.72 4.74 4.76

Time-->





#13

Acrolein

Concen: 0.56 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

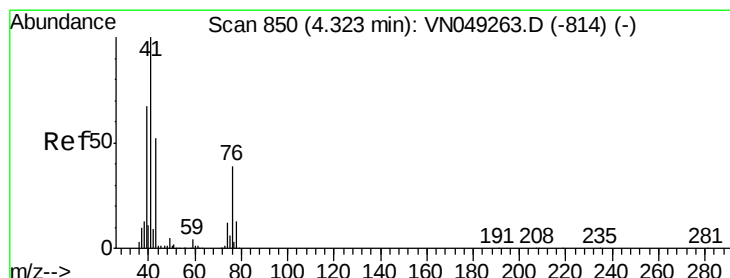
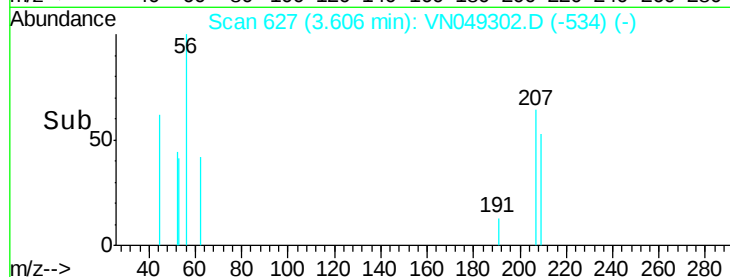
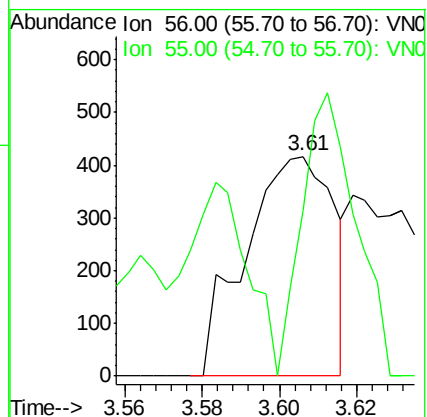
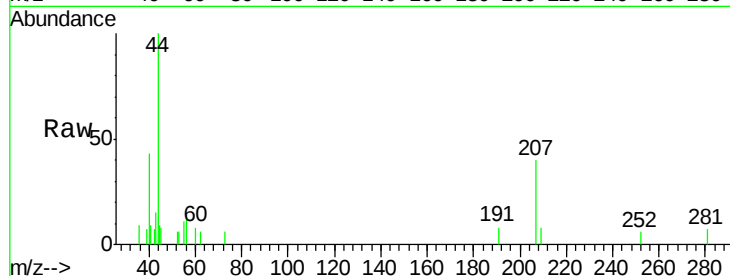
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 659

Ion Ratio Lower Upper

56 100

55 78.0 57.1 85.7



#14

Allyl chloride

Concen: 8.86 ug/l

RT: 4.55 min Scan# 922

Delta R.T. 0.23 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

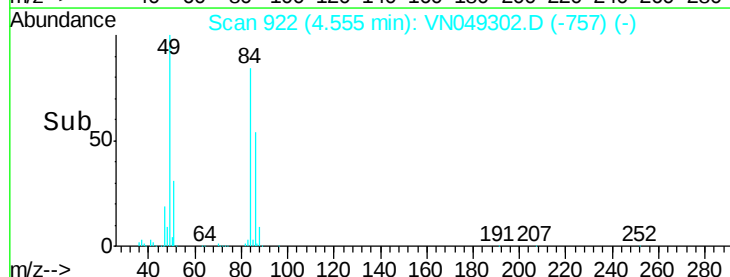
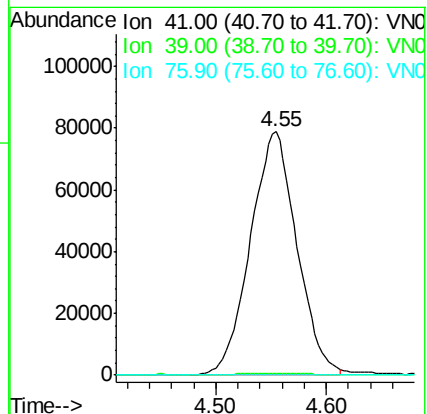
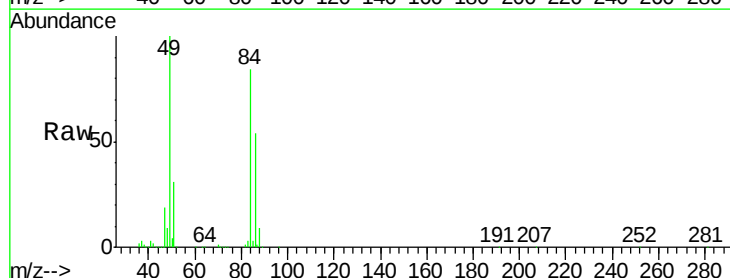
Tgt Ion: 41 Resp: 230526

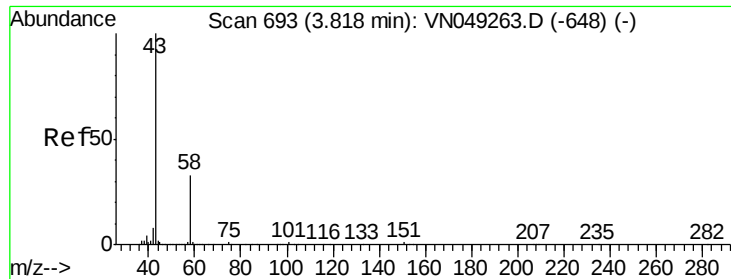
Ion Ratio Lower Upper

41 100

39 0.5 62.5 93.7#

76 0.0 27.1 40.7#





#16

Acetone

Concen: 16.35 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

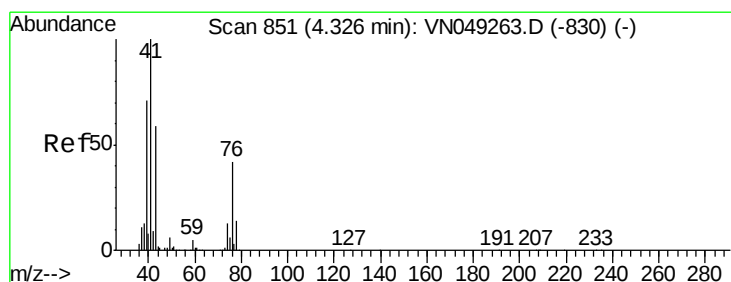
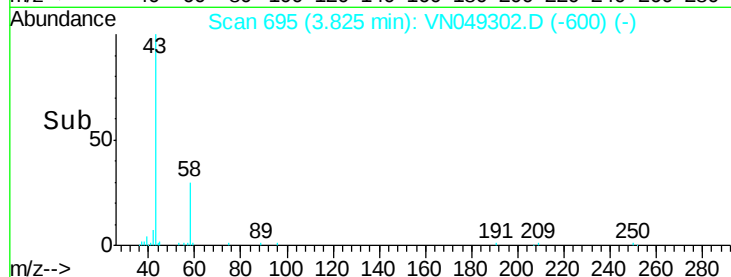
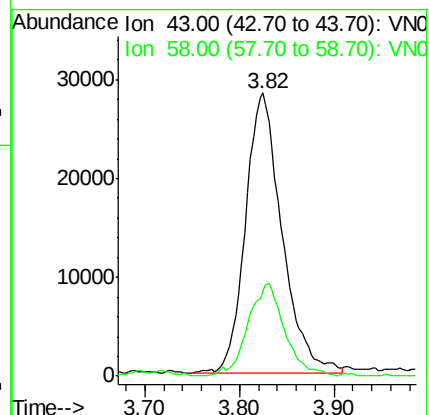
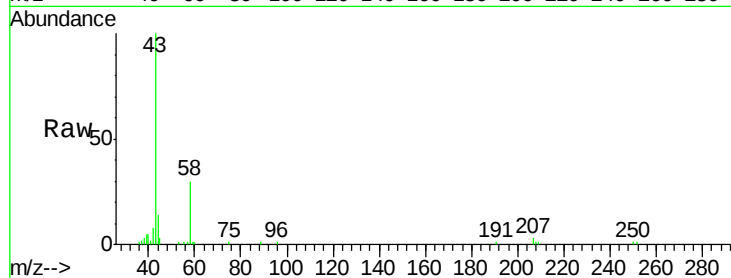
ClientSampleId :

Tot Ion: 43 Resp: 75654

Ion Ratio Lower Upper

43 100

58 30.3 22.4 33.6



#18

Methyl Acetate

Concen: 8.42 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049302.D

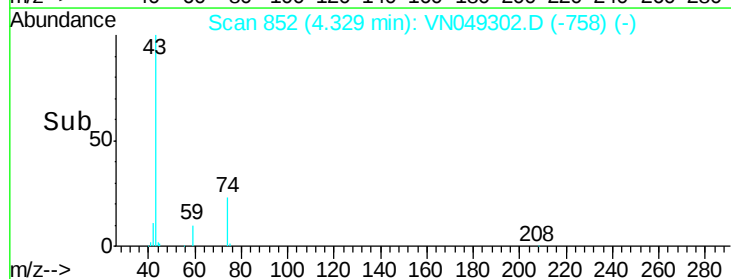
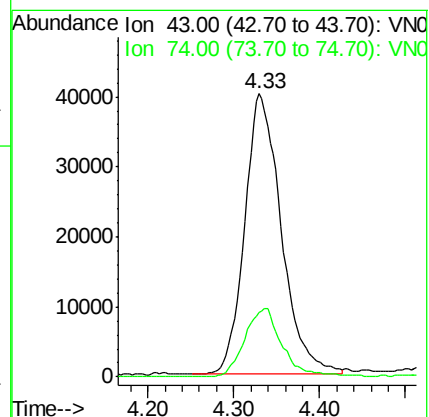
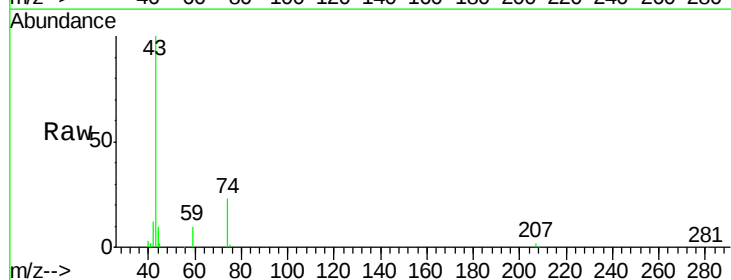
Acq: 16 Jun 2018 10:43

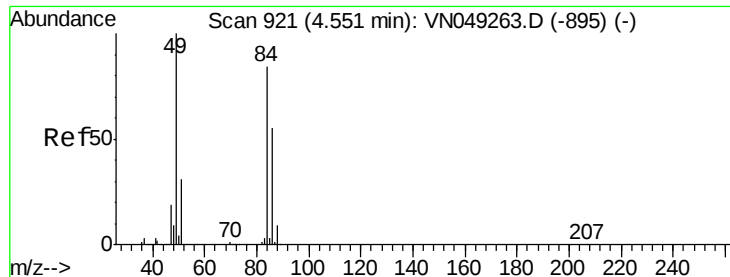
Tgt Ion: 43 Resp: 118769

Ion Ratio Lower Upper

43 100

74 24.3 17.4 26.0



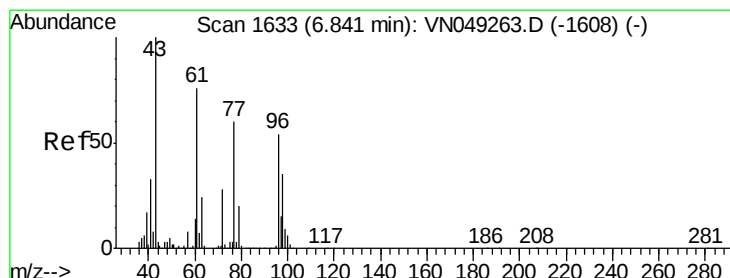
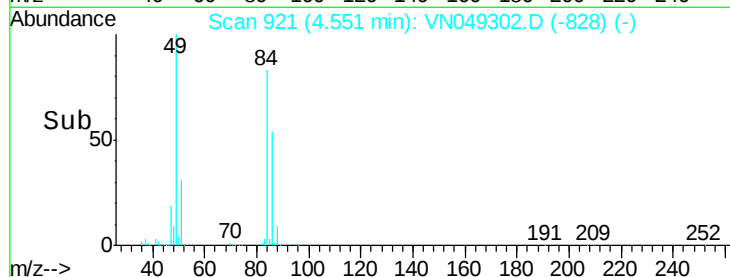
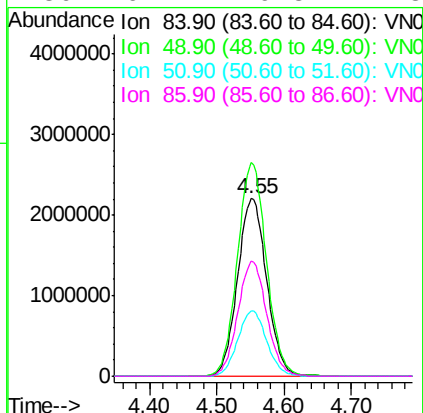
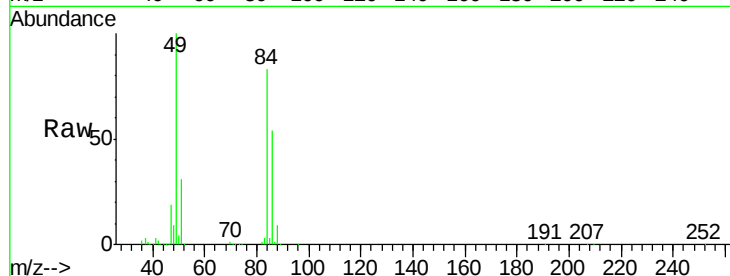


#20
Methvlene Chloride
Concen: 343.20 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 6633682

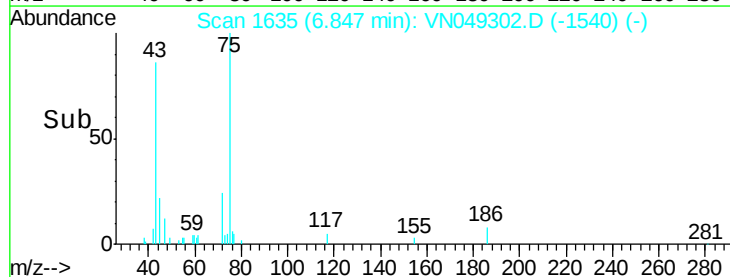
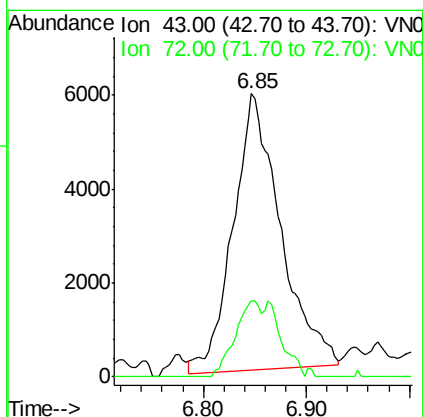
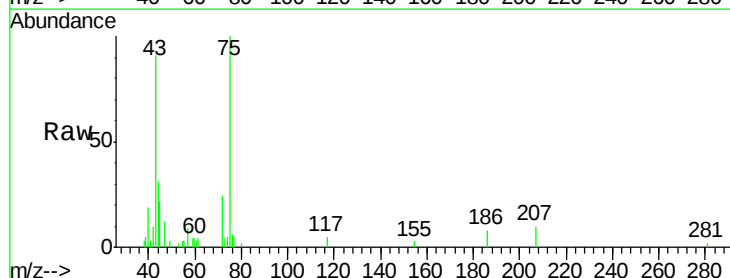
Ion	Ratio	Lower	Upper
84	100		
49	120.2	106.9	160.3
51	36.9	32.7	49.1
86	64.7	49.8	74.8

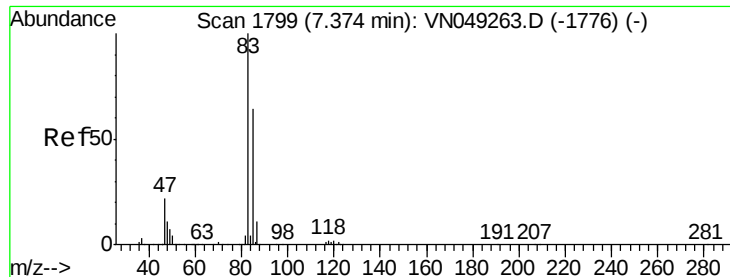


#25
2-Butanone
Concen: 3.04 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Tgt Ion: 43 Resp: 18881

Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.2	30.2





#30

Chloroform

Concen: 0.73 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

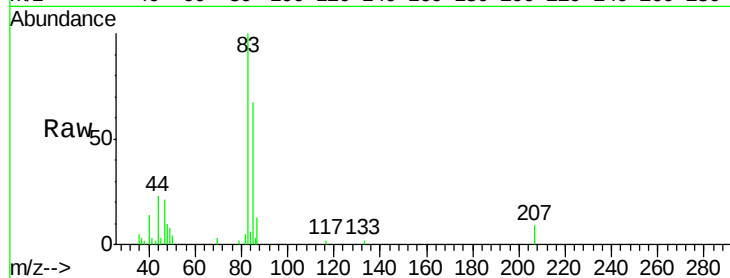
ClientSampleId :

Tot Ion: 83 Resp: 24225

Ion Ratio Lower Upper

83 100

85 67.2 51.7 77.5



Abundance Ion 82.90 (82.60 to 83.60): VN049302.D (-1706) (-)

Ion 84.90 (84.60 to 85.60): VN049302.D (-1706) (-)

7.38

8000

6000

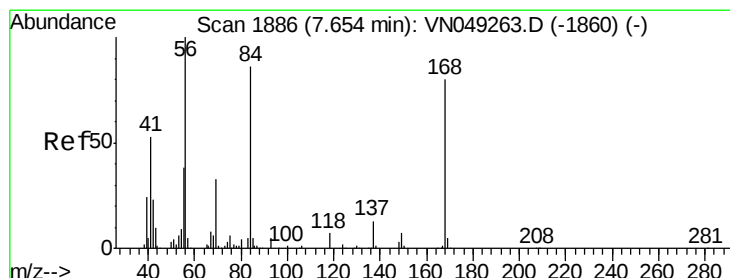
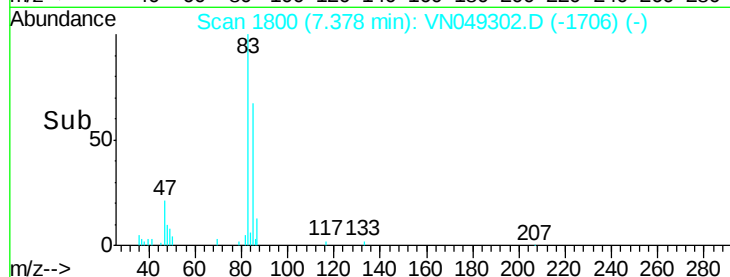
4000

2000

0

Time-->

7.30 7.35 7.40 7.45



#31

Cyclohexane

Concen: 0.75 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

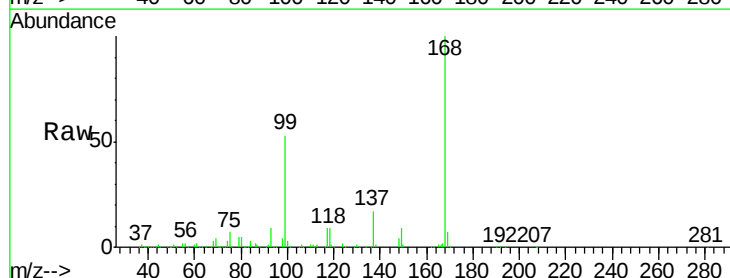
Tgt Ion: 56 Resp: 26077

Ion Ratio Lower Upper

56 100

69 196.0 25.0 37.4#

84 148.5 64.6 96.8#



Abundance Ion 56.00 (55.70 to 56.70): VN049302.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN049302.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN049302.D (-1793) (-)

25000

20000

15000

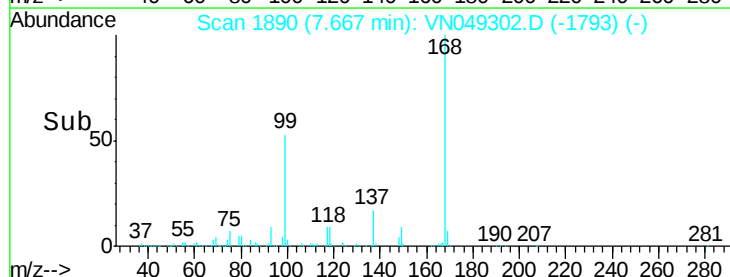
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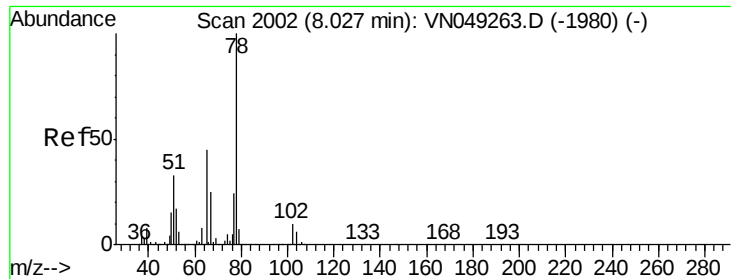
5000

0

Time-->

7.60 7.65 7.70





#33

1,2-Dichloroethane-d4

Concen: 47.83 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

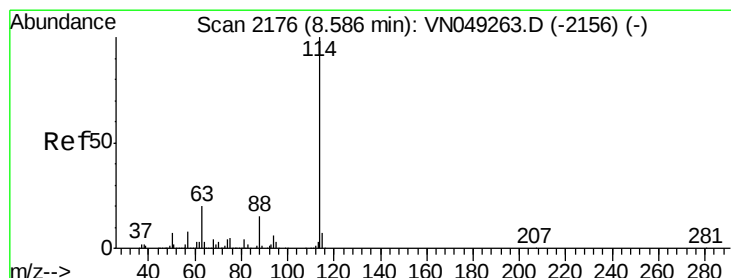
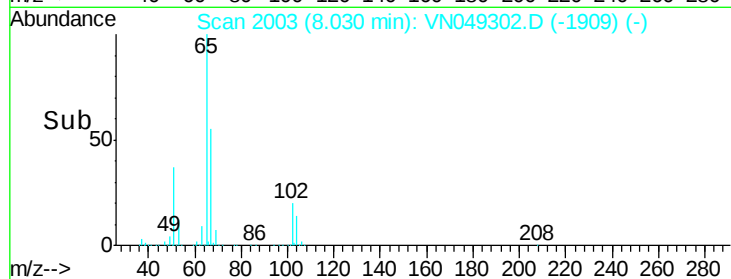
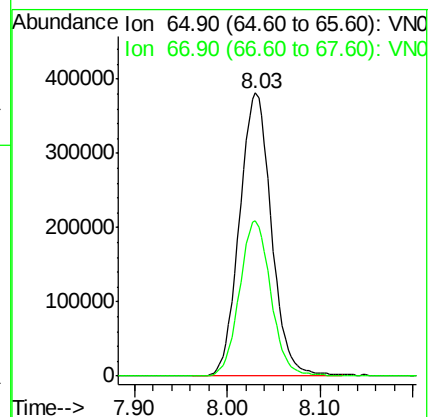
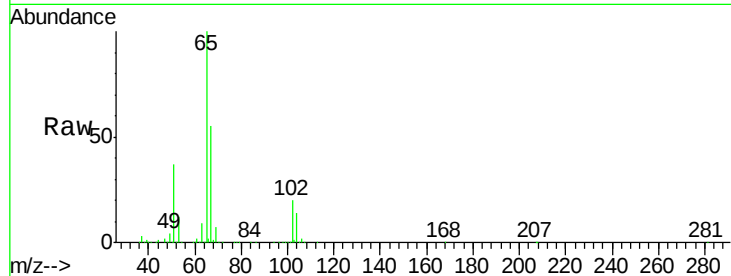
ClientSampleId :

Tot Ion: 65 Resp: 911708

Ion Ratio Lower Upper

65 100

67 54.0 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: VN049302.D

Acq: 16 Jun 2018 10:43

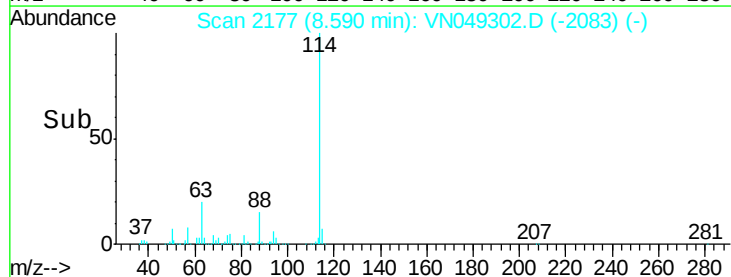
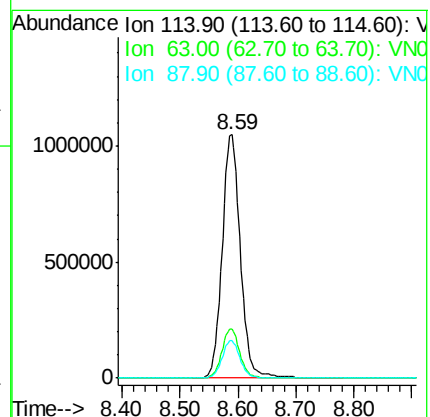
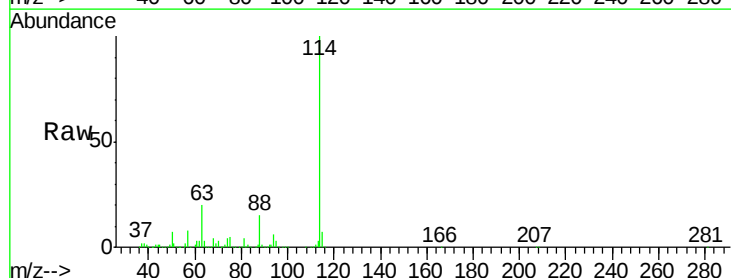
Tgt Ion: 114 Resp: 2274799

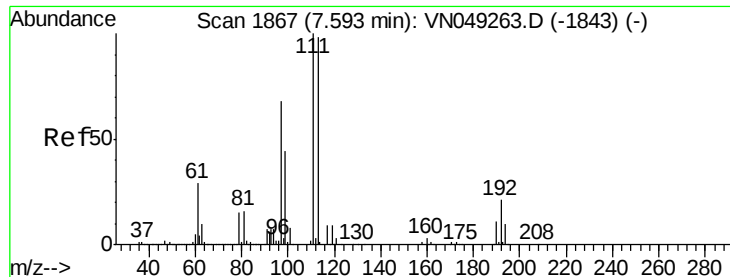
Ion Ratio Lower Upper

114 100

63 20.3 0.0 44.4

88 15.3 0.0 31.4

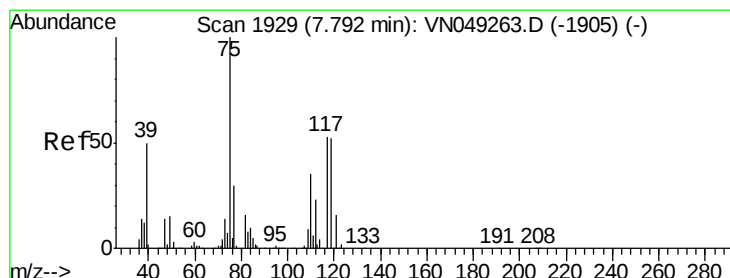
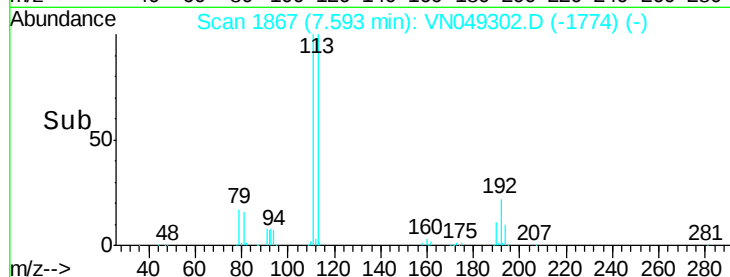
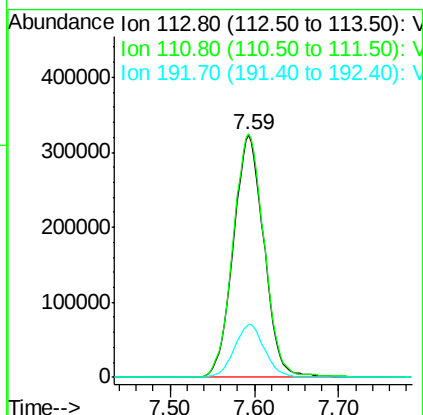
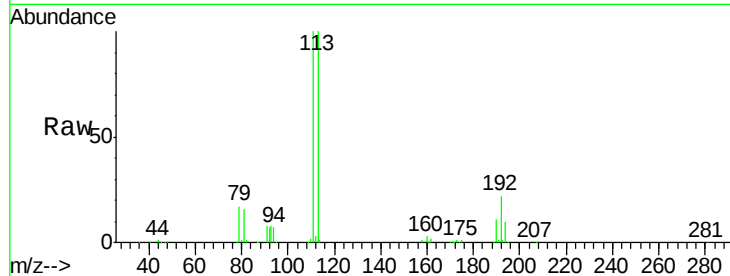




#35
 Dibromofluoromethane
 Concen: 44.33 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049302.D
 Acq: 16 Jun 2018 10:43

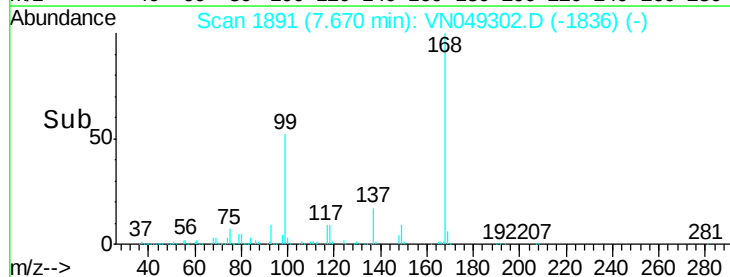
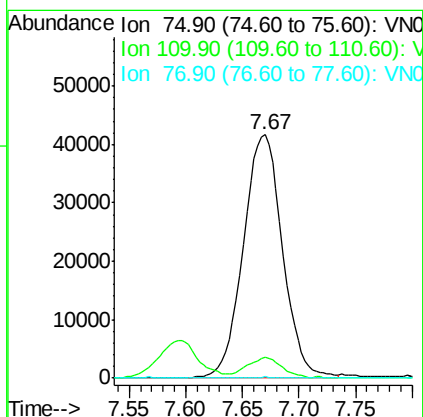
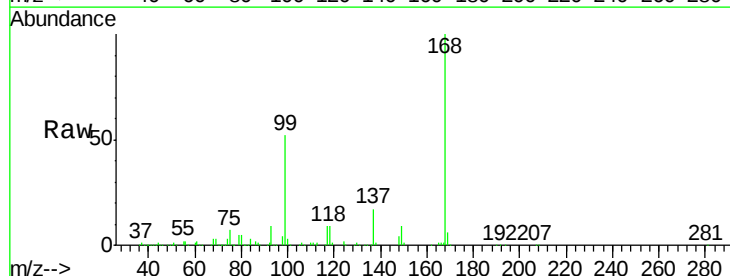
Instrument :
 MSVOA_N
 ClientSampleId :

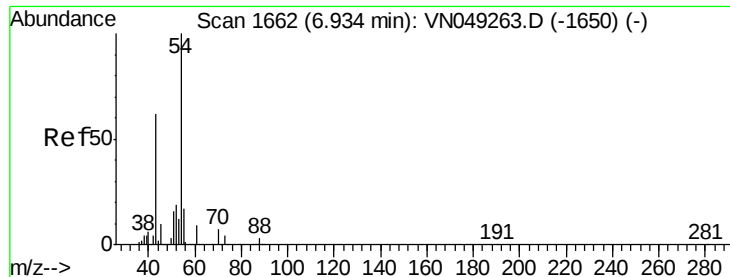
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.4	123.6
192	21.7	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049302.D
 Acq: 16 Jun 2018 10:43

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

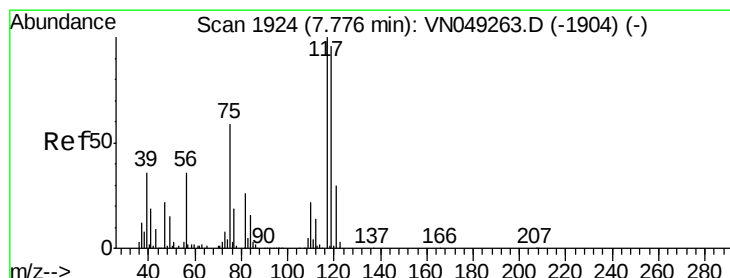
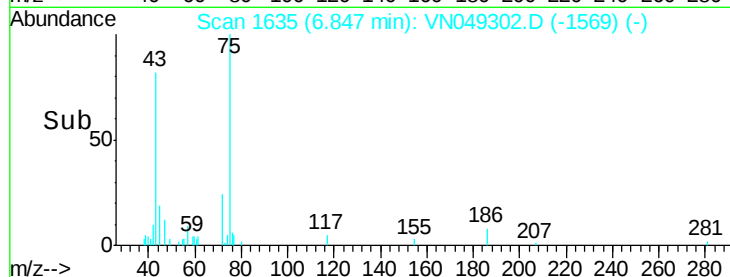
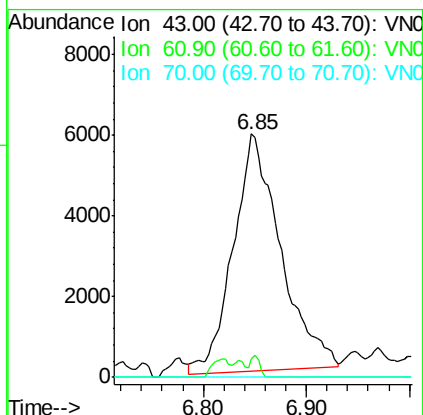
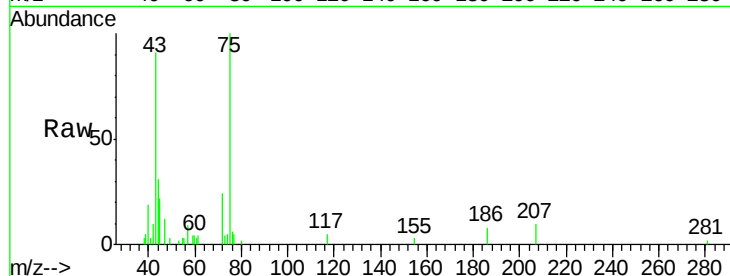




#37
Ethyl Acetate
Concen: 1.33 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. -0.09 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

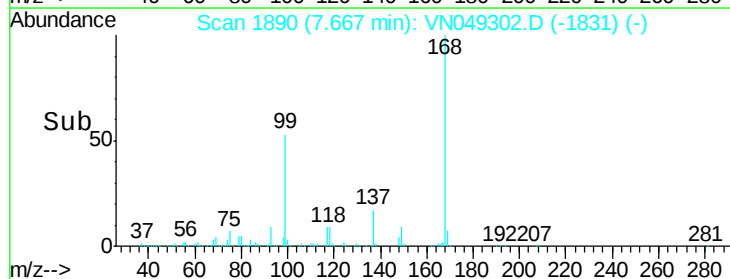
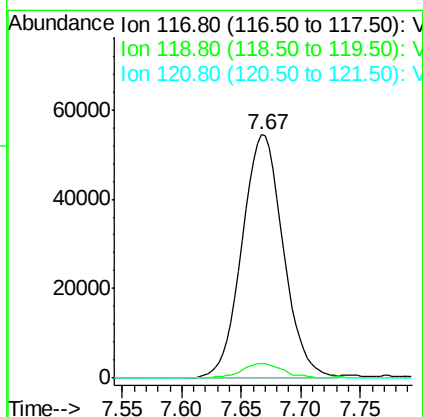
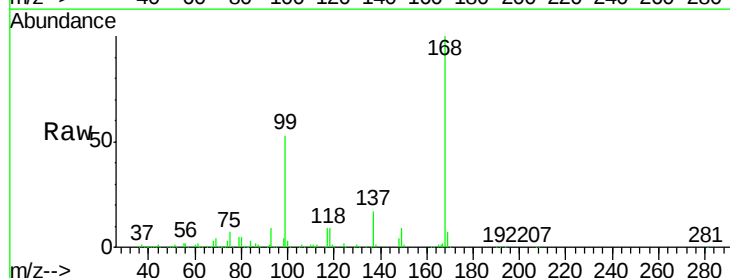
Instrument :
MSVOA_N
ClientSampleId :

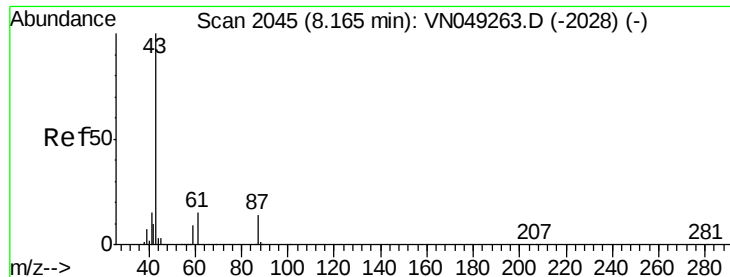
Tot Ion: 43 Resp: 18881
Ion Ratio Lower Upper
43 100
61 1.6 11.0 16.4#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.85 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Tgt Ion: 117 Resp: 130855
Ion Ratio Lower Upper
117 100
119 6.1 75.6 113.4#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 17.39 ug/l

RT: 8.21 min Scan# 2059

Delta R.T. 0.05 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

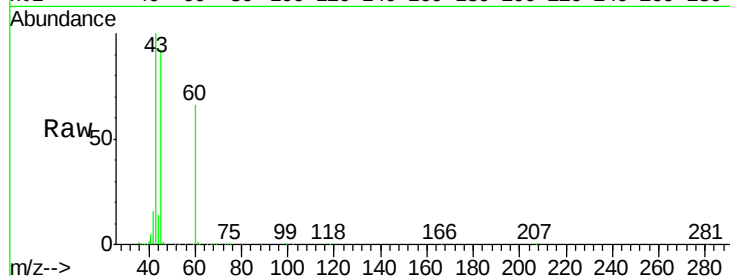
Tot Ion: 43 Resp: 470992

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#

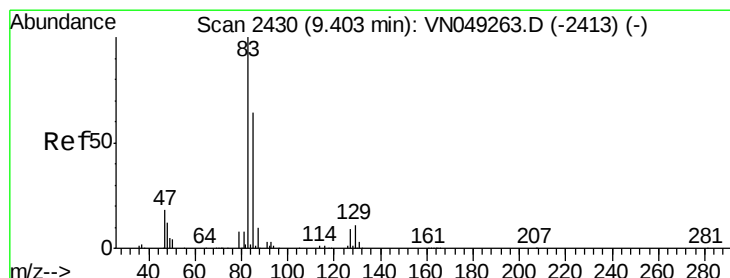
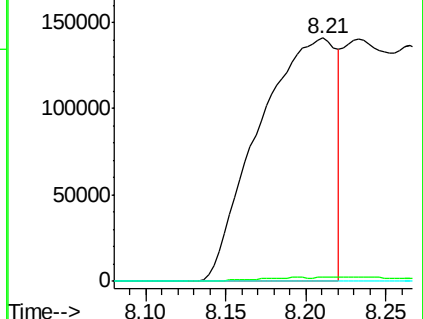
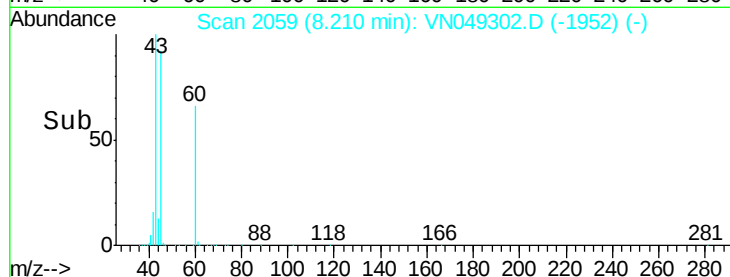


Abundance Ion 43.00 (42.70 to 43.70): VN049302.D (-2059) (-)

Ion 61.00 (60.70 to 61.70): VN049302.D (-2059) (-)

Ion 87.00 (86.70 to 87.70): VN049302.D (-2059) (-)

Time-->



#47

Bromodichloromethane

Concen: 0.33 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

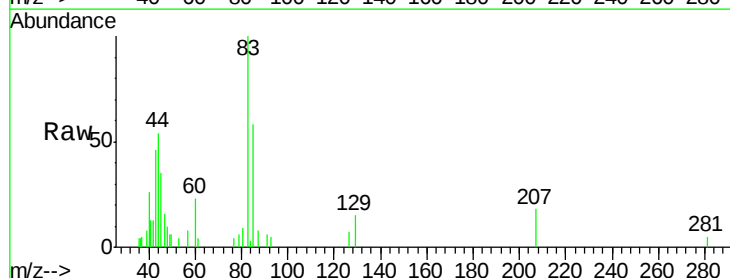
Tgt Ion: 83 Resp: 8867

Ion Ratio Lower Upper

83 100

85 58.4 49.4 74.0

127 6.8 6.3 9.5

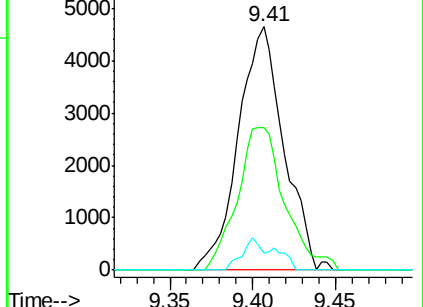
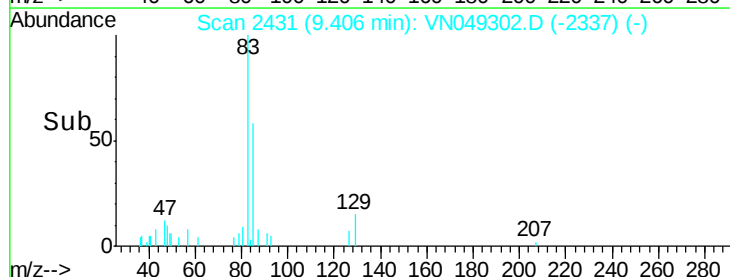


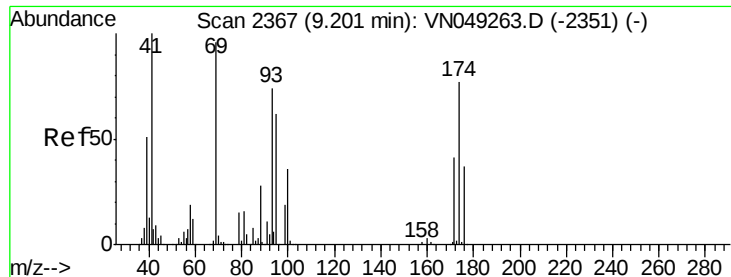
Abundance Ion 82.90 (82.60 to 83.60): VN049302.D (-2430) (-)

Ion 84.90 (84.60 to 85.60): VN049302.D (-2430) (-)

Ion 126.80 (126.50 to 127.50): VN049302.D (-2430) (-)

Time-->

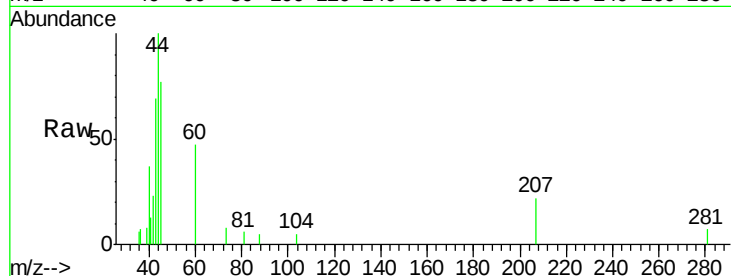




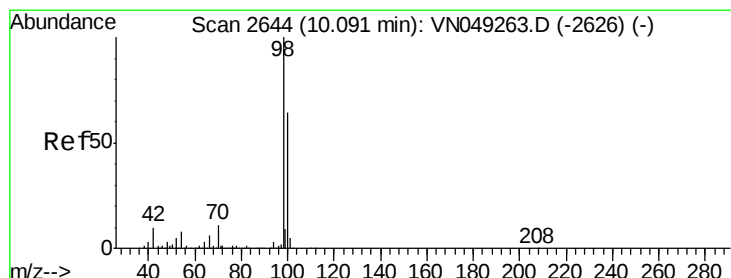
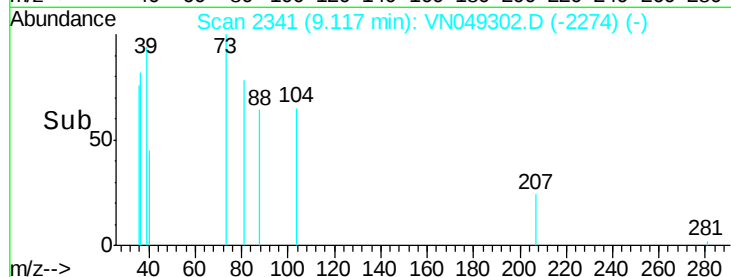
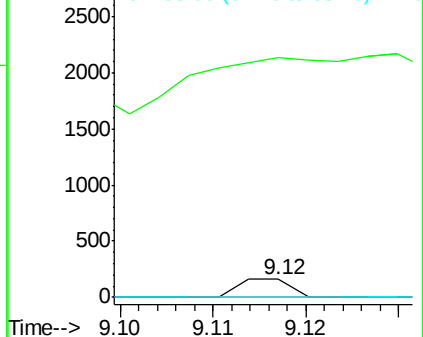
#49
1,4-Dioxane
Concen: 0.35 ug/l
RT: 9.12 min Scan# 2341
Delta R.T. -0.08 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 882.3 30.9 46.3#
58 0.0 58.9 88.3#

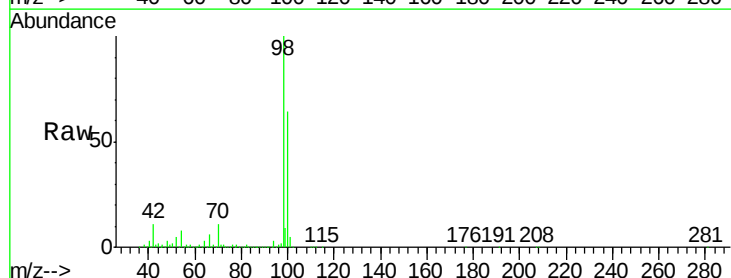


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

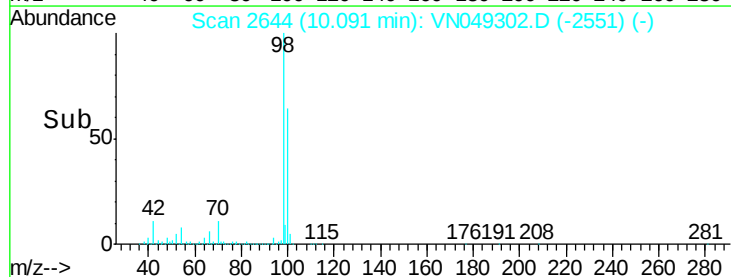
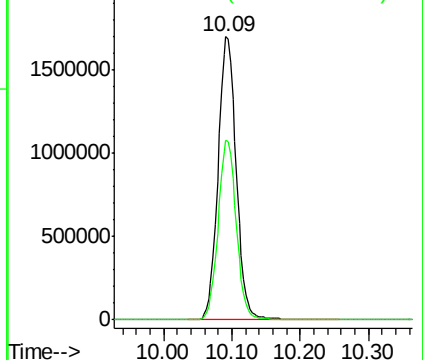


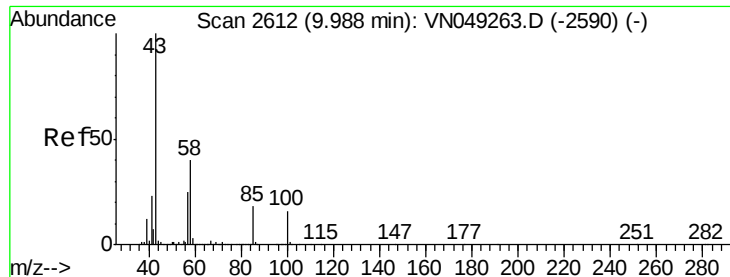
#50
Toluene-d8
Concen: 44.80 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Tgt Ion: 98 Resp: 3139390
Ion Ratio Lower Upper
98 100
100 63.4 49.8 74.8



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

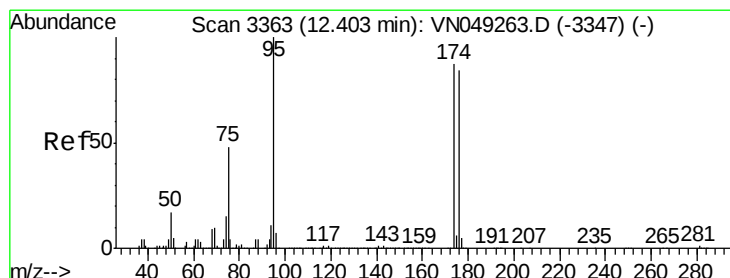
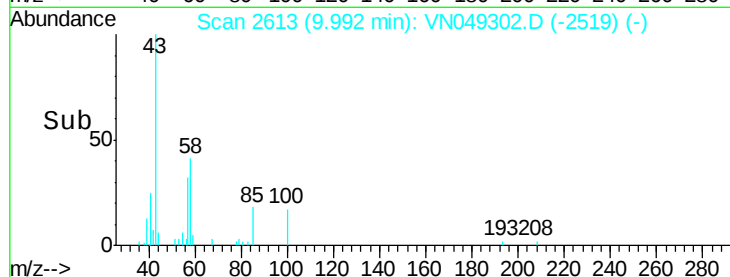
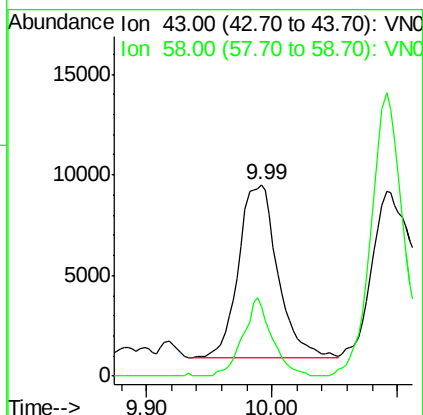
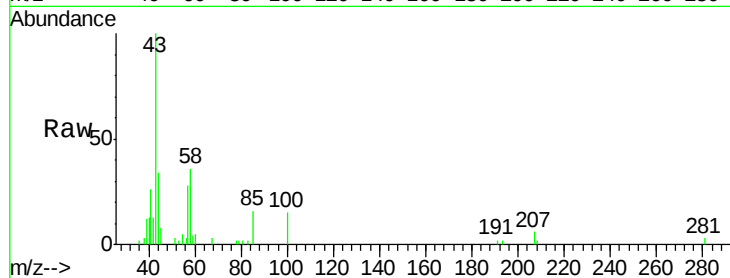




#51
4-Methyl-2-Pentanone
Concen: 1.33 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

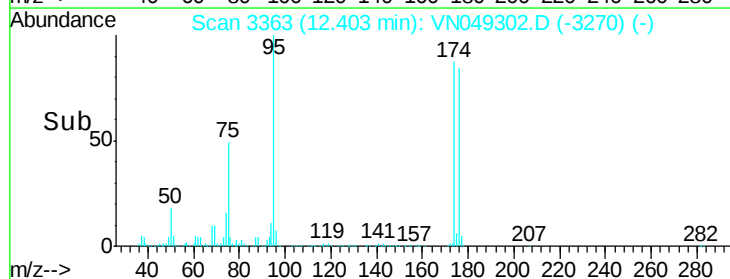
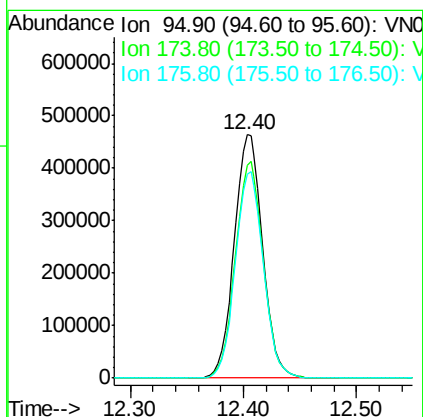
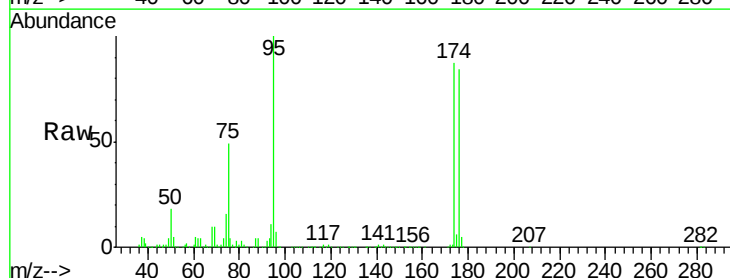
Instrument :
MSVOA_N
ClientSampleId :

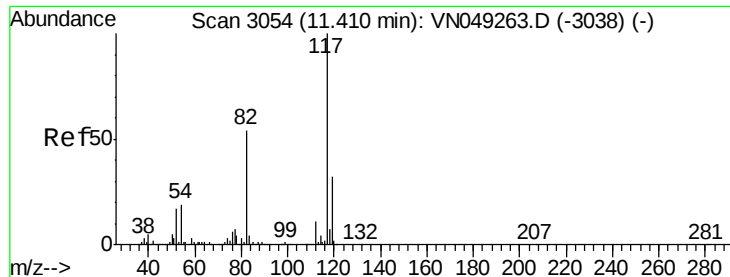
Tot Ion: 43 Resp: 18860
Ion Ratio Lower Upper
43 100
58 33.3 29.0 43.6



#62
4-Bromofluorobenzene
Concen: 34.91 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Tgt Ion: 95 Resp: 808902
Ion Ratio Lower Upper
95 100
174 87.7 0.0 165.6
176 84.0 0.0 157.4

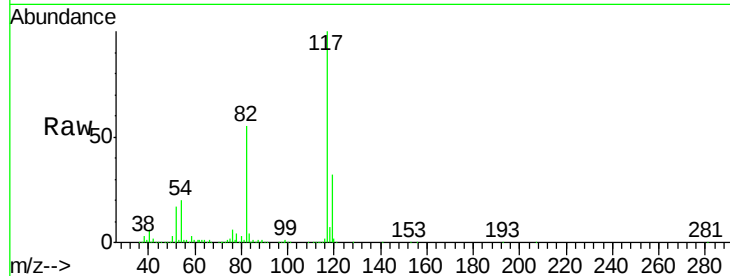




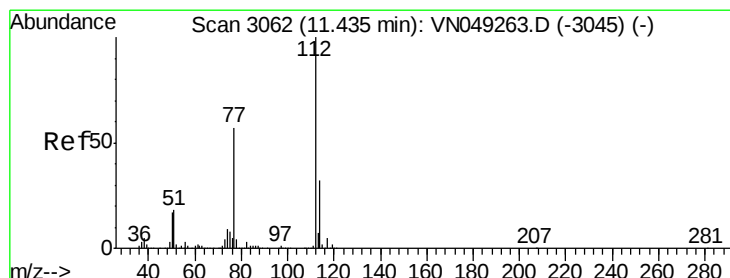
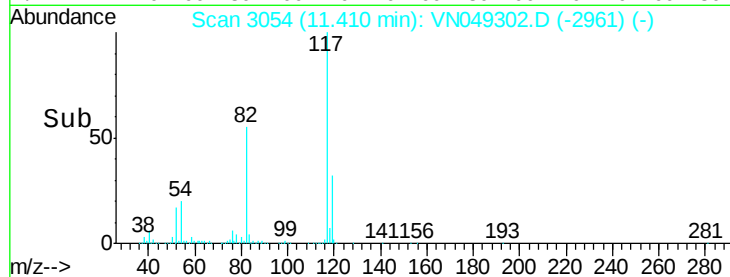
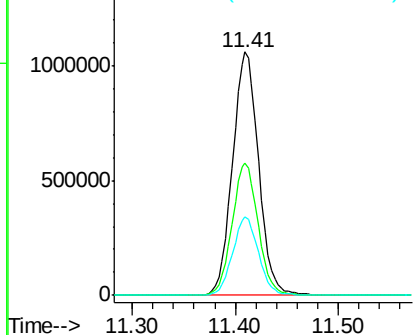
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1872210
Ion Ratio Lower Upper
117 100
82 54.5 45.9 68.9
119 32.1 25.5 38.3

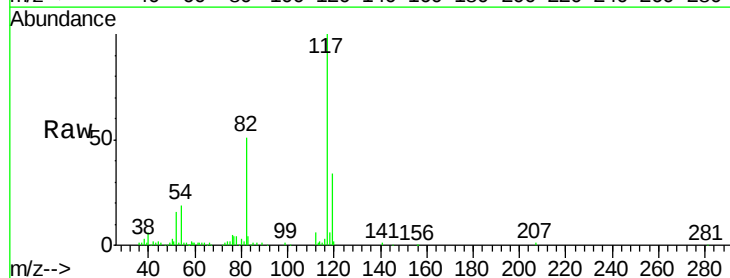


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

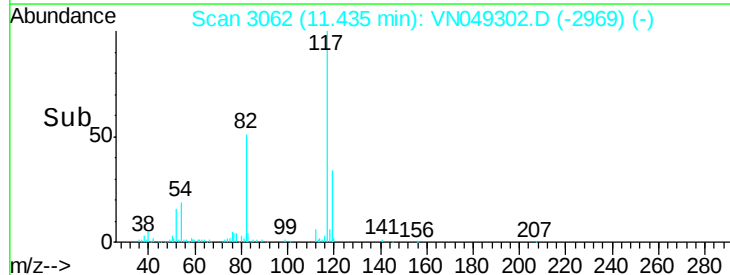
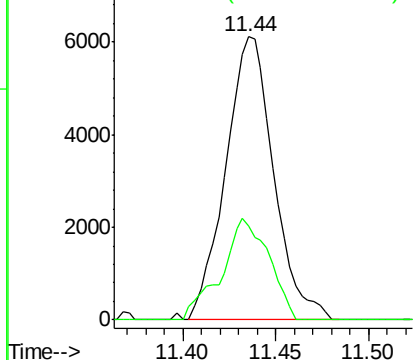


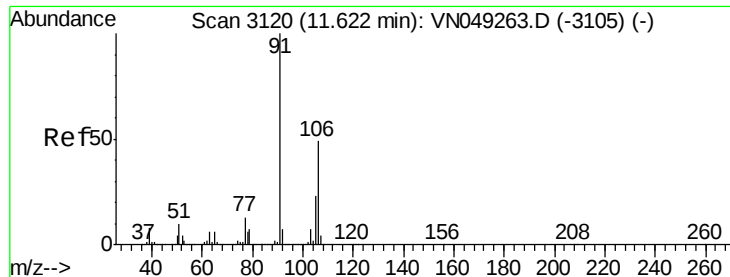
#65
Chlorobenzene
Concen: 0.23 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Tgt Ion:112 Resp: 11033
Ion Ratio Lower Upper
112 100
114 33.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

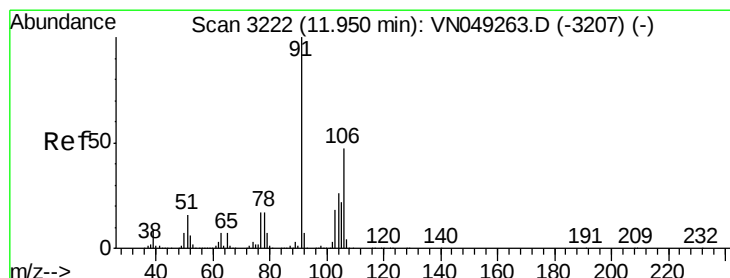
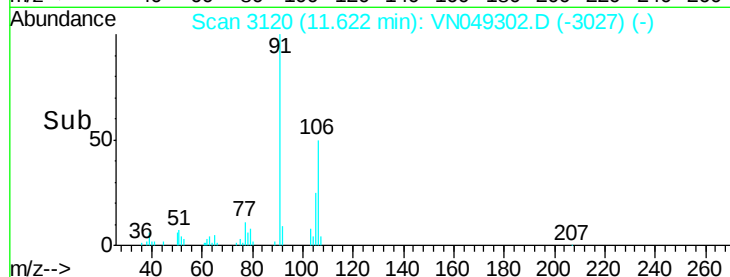
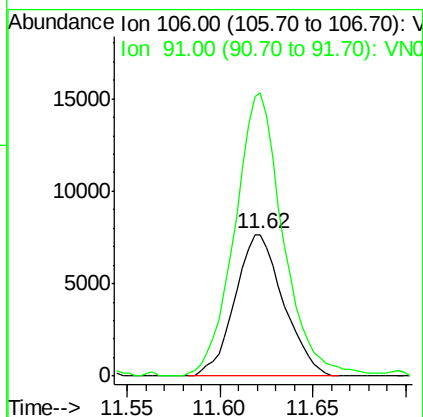
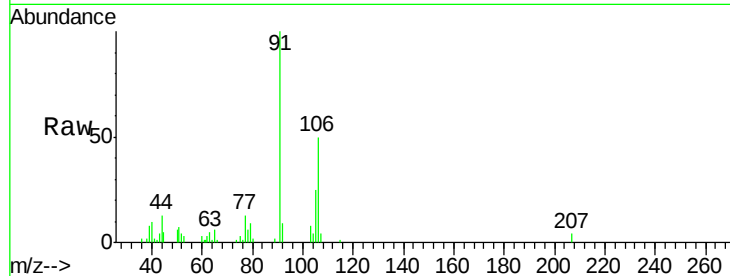




#68
m/p-Xylenes
Concen: 0.46 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

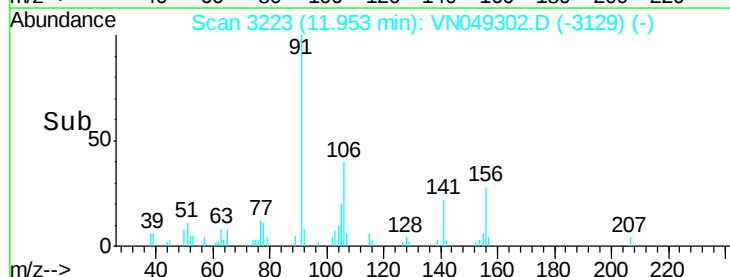
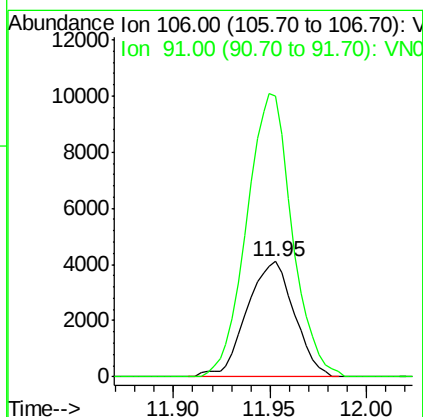
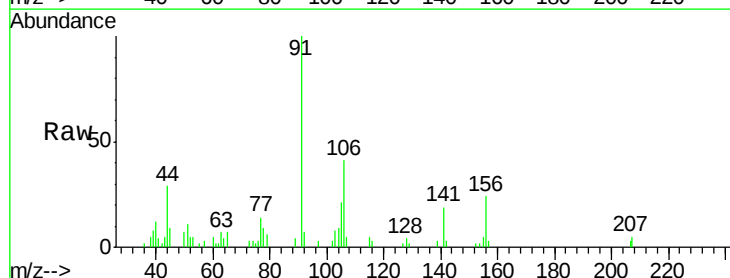
Instrument :
MSVOA_N
ClientSampled :

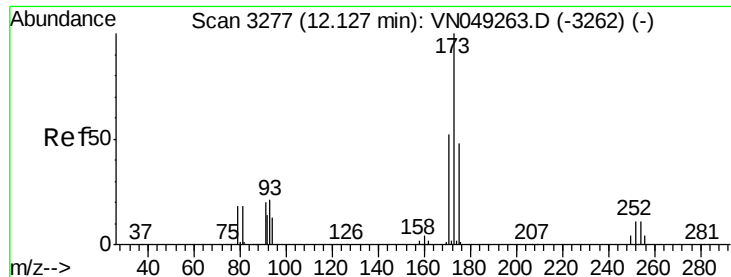
Tot Ion:106 Resp: 13868
Ion Ratio Lower Upper
106 100
91 200.6 167.3 250.9



#69
o-Xylene
Concen: 0.24 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Tgt Ion:106 Resp: 7026
Ion Ratio Lower Upper
106 100
91 234.5 111.0 333.0

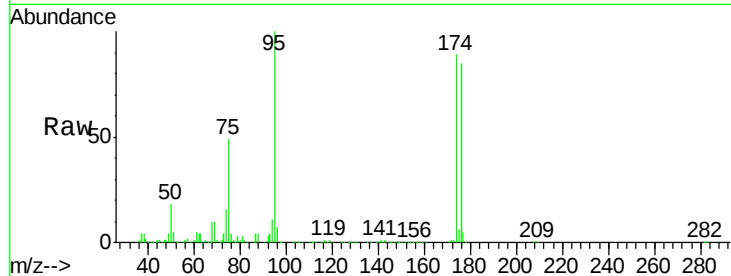




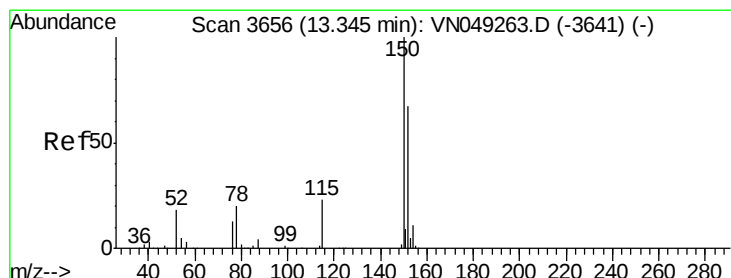
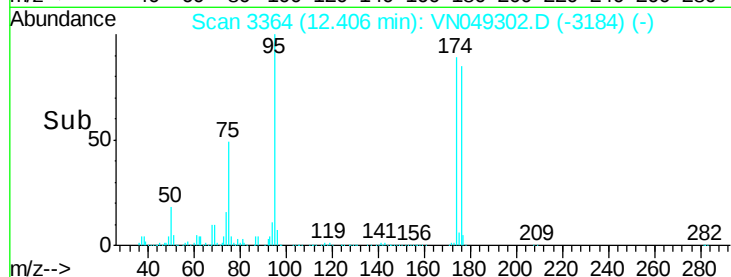
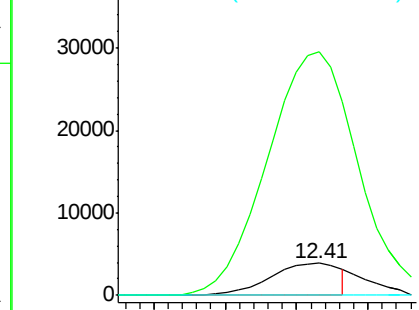
#71
Bromoform
Concen: 0.45 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 5309
Ion Ratio Lower Upper
173 100
175 785.5 24.5 73.5#
254 0.0 0.1 0.1#

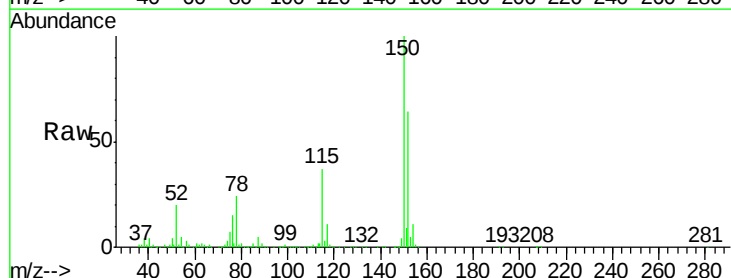


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

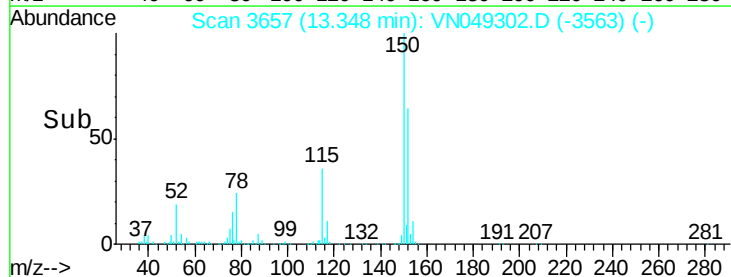
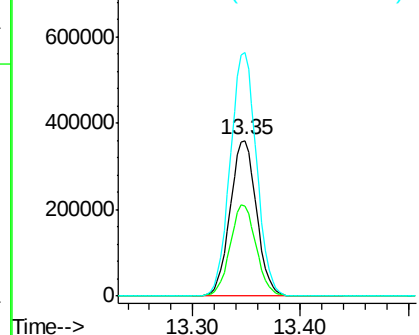


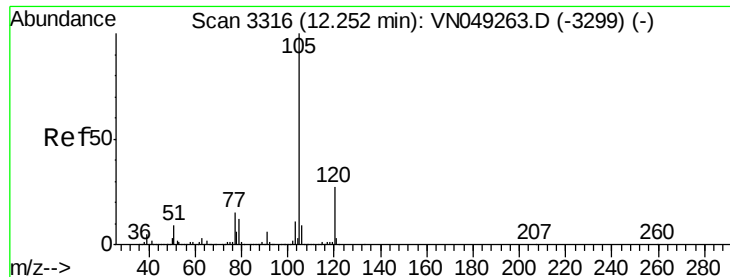
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Tgt Ion:152 Resp: 609795
Ion Ratio Lower Upper
152 100
115 57.4 28.7 86.1
150 156.2 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: 0.25 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

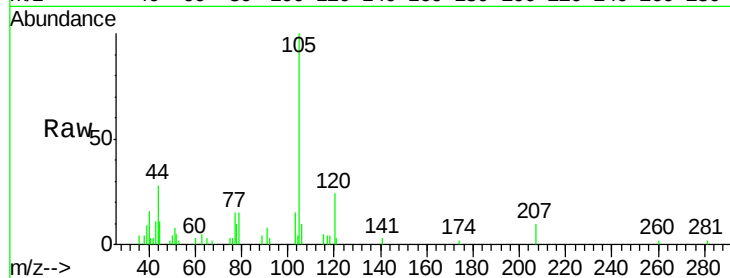
ClientSampleId :

Tot Ion:105 Resp: 13241

Ion Ratio Lower Upper

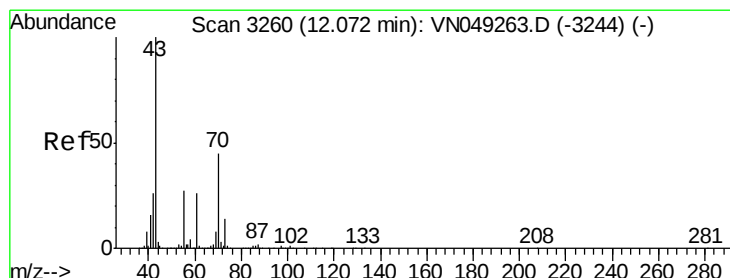
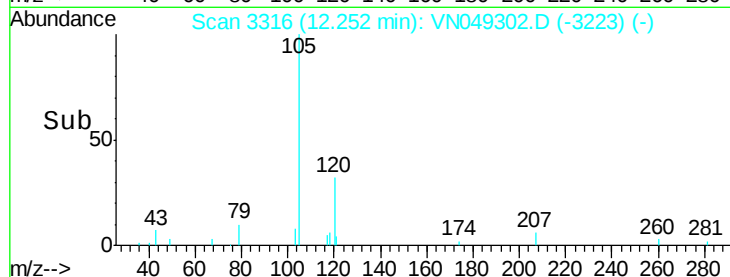
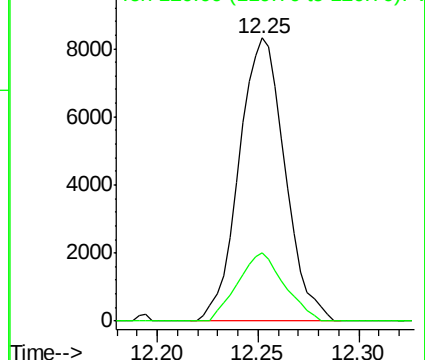
105 100

120 24.5 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-ethyl acetate

Concen: 0.21 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Tgt Ion: 43 Resp: 2703

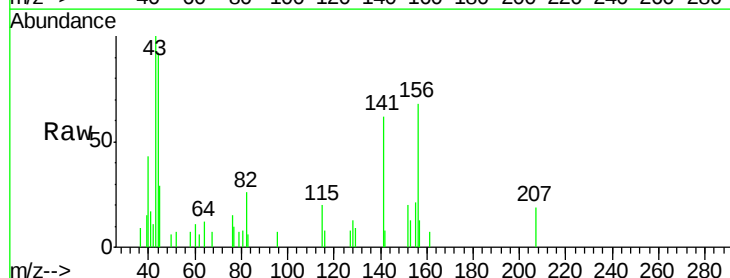
Ion Ratio Lower Upper

43 100

70 0.0 30.3 45.5#

55 0.0 19.4 29.2#

61 0.0 17.8 26.6#

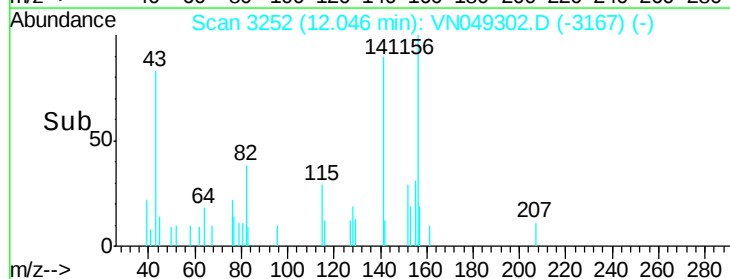
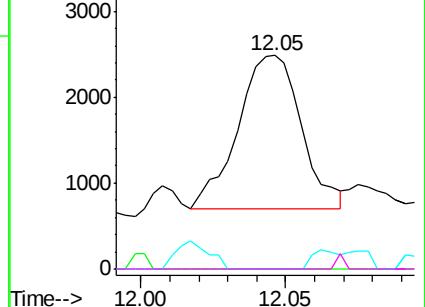


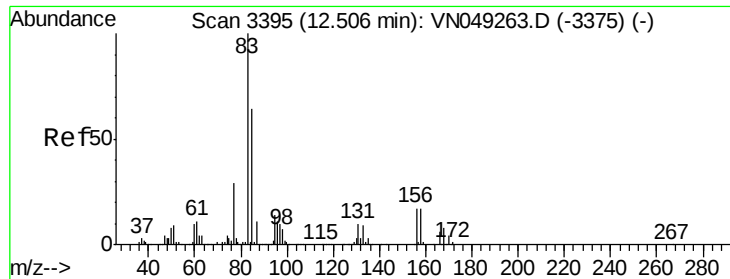
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3391

Delta R.T. -0.01 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

ClientSampled :

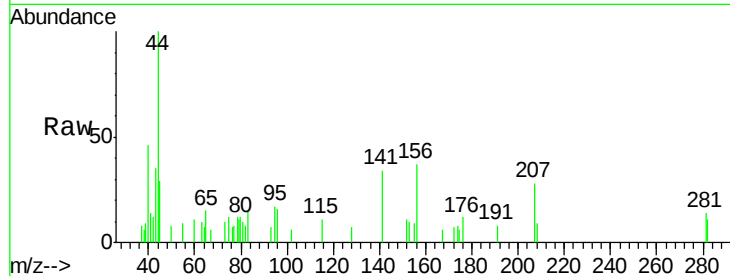
Tot Ion: 83 Resp: 244

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 11.9 32.0 96.0#



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC

12.49

300

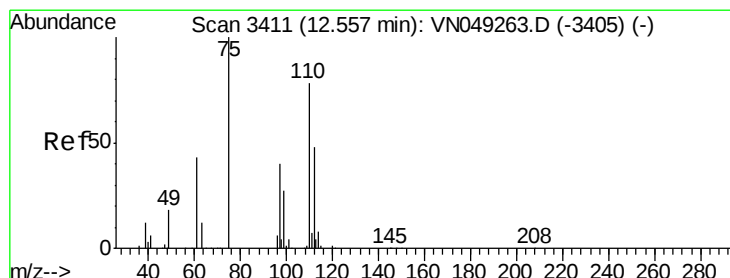
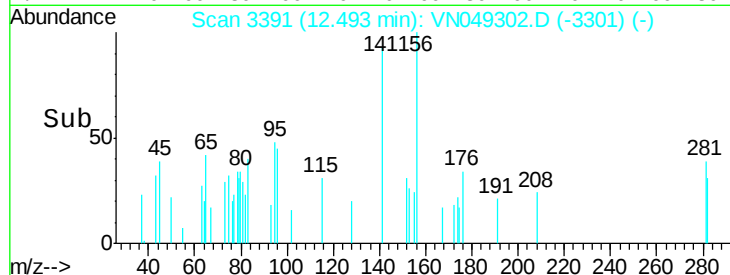
200

100

0

12.48 12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 37.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049302.D

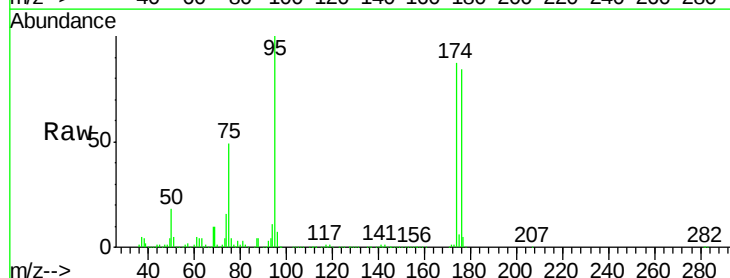
Acq: 16 Jun 2018 10:43

Tgt Ion: 75 Resp: 390983

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

250000

200000

150000

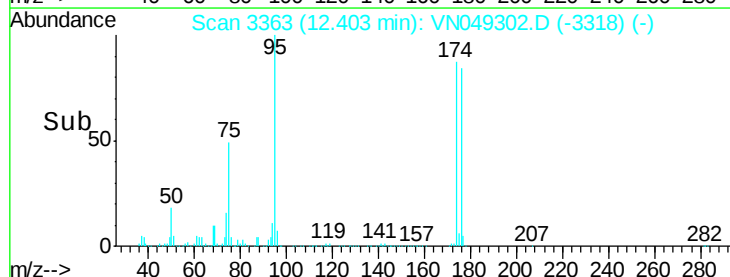
100000

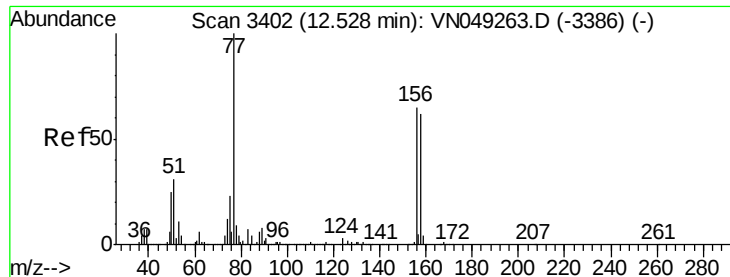
50000

0

12.30 12.40 12.50

Time-->





#77

Bromobenzene

Concen: 1.27 ug/l

RT: 12.56 min Scan# 3412

Delta R.T. 0.03 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

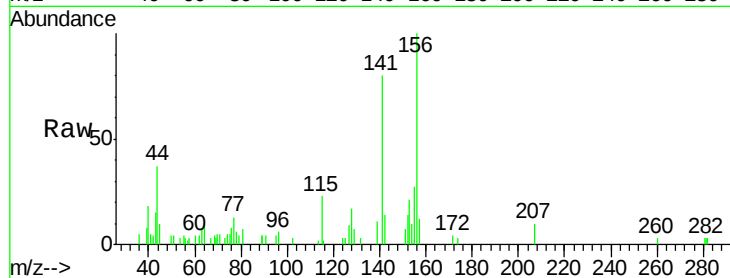
Tot Ion:156 Resp: 17991

Ion Ratio Lower Upper

156 100

77 7.4 100.8 302.4#

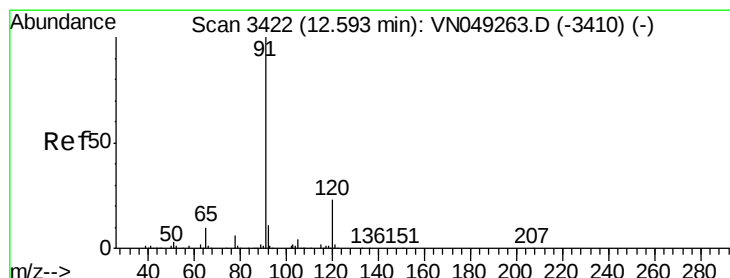
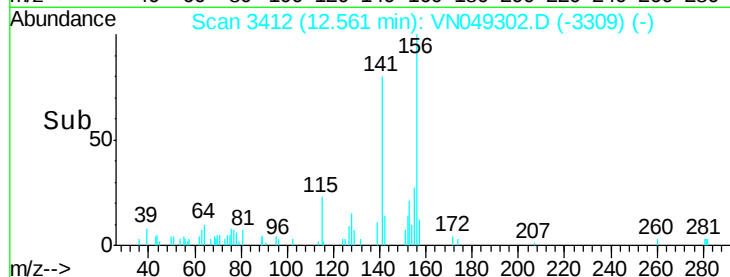
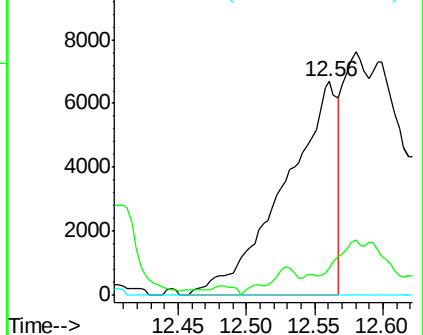
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.53 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049302.D

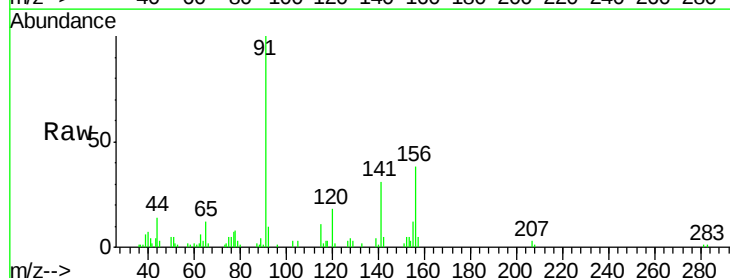
Acq: 16 Jun 2018 10:43

Tgt Ion: 91 Resp: 31421

Ion Ratio Lower Upper

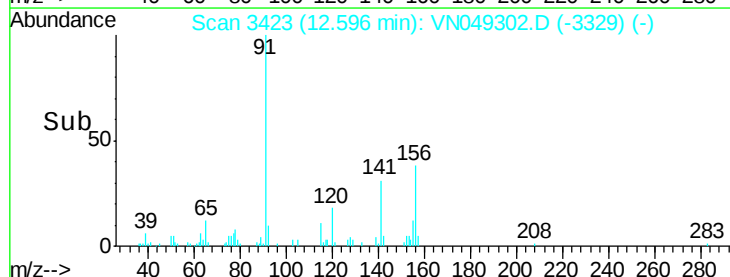
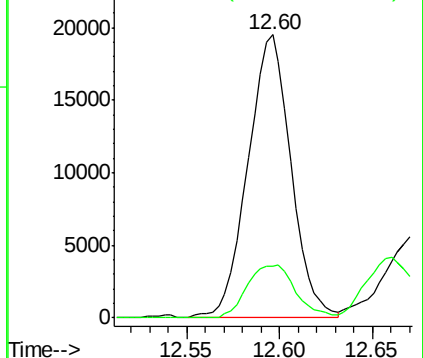
91 100

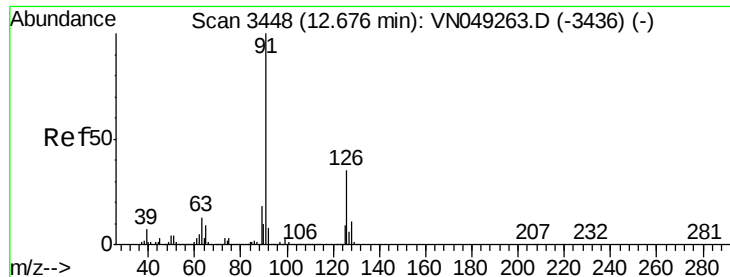
120 20.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.38 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

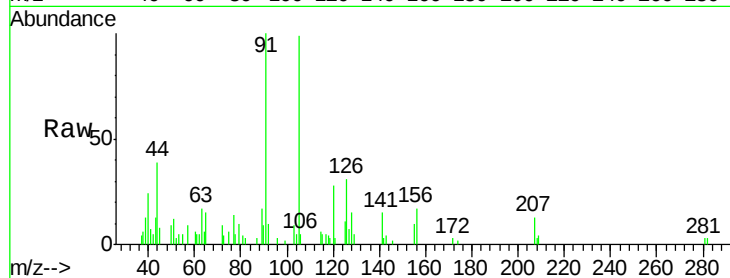
ClientSampleId :

Tot Ion: 91 Resp: 14237

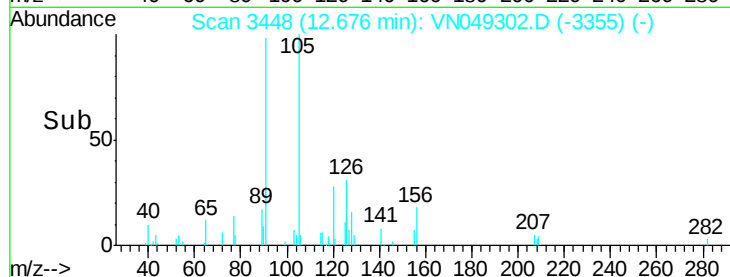
Ion Ratio Lower Upper

91 100

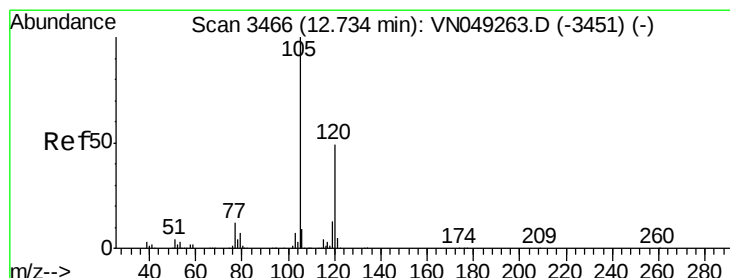
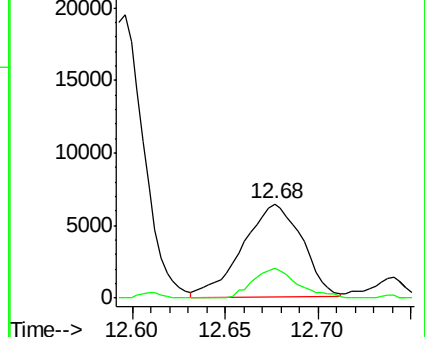
126 24.2 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VN049302.D (-3355) (-)



Ion 125.90 (125.60 to 126.60): VN049302.D (-3355) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.36 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049302.D

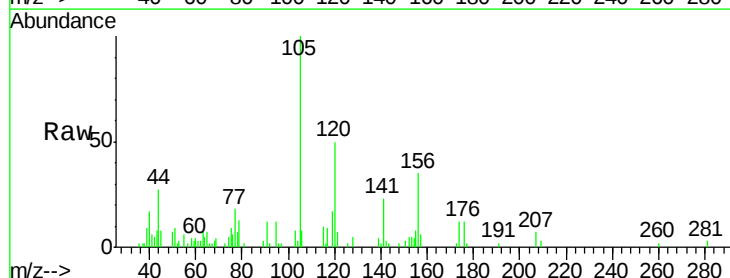
Acq: 16 Jun 2018 10:43

Tgt Ion: 105 Resp: 15151

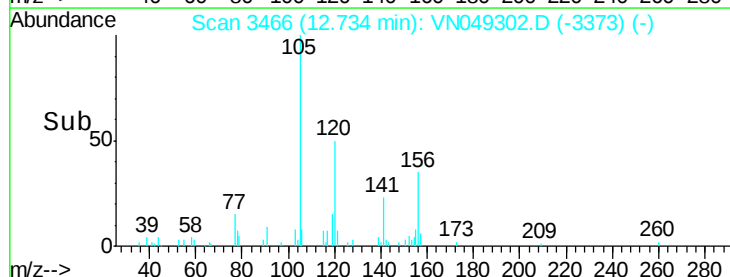
Ion Ratio Lower Upper

105 100

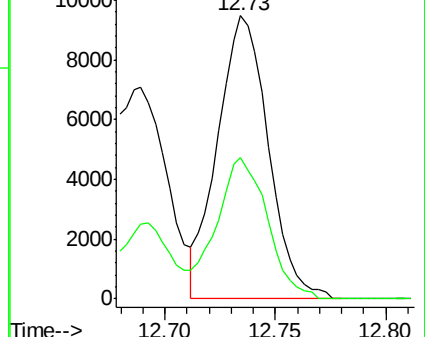
120 49.4 23.5 70.5

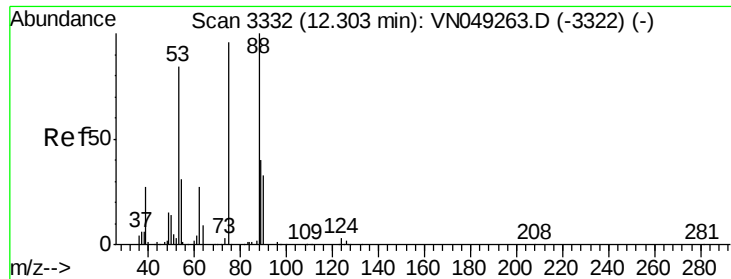


Abundance Ion 105.00 (104.70 to 105.70): VN049302.D (-3373) (-)



Ion 120.00 (119.70 to 120.70): VN049302.D (-3373) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 118.77 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

ClientSampleId :

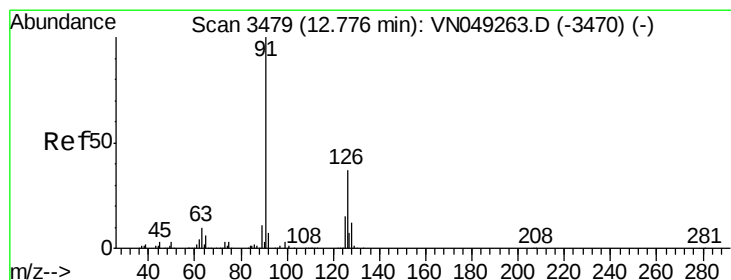
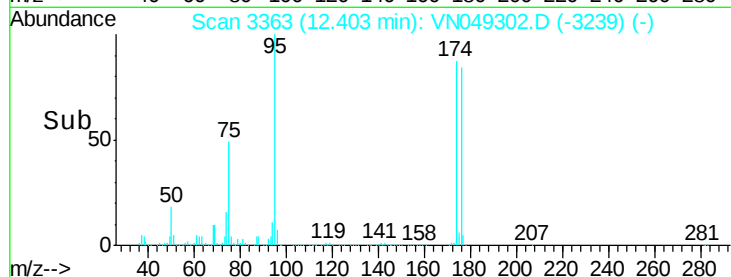
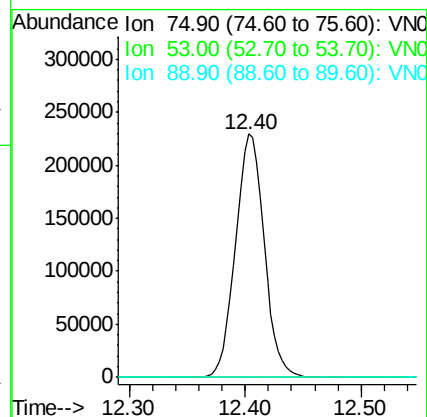
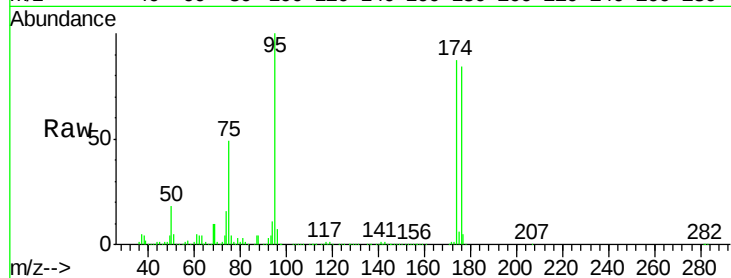
Tot Ion: 75 Resp: 390983

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

89 0.0 36.5 54.7#



#82

4-Chlorotoluene

Concen: 0.40 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.10 min

Lab File: VN049302.D

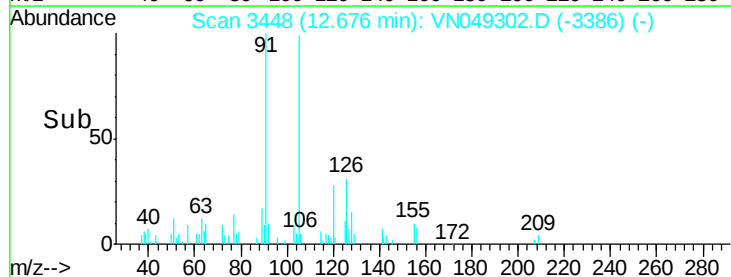
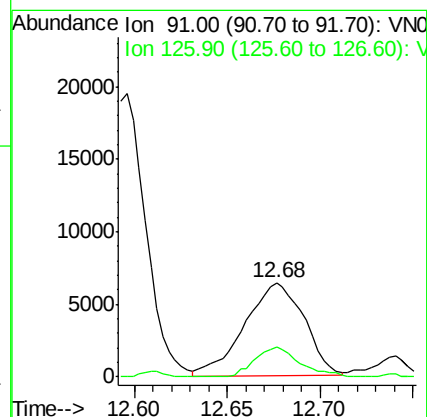
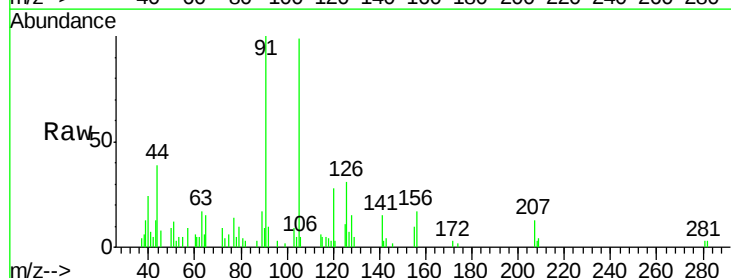
Acq: 16 Jun 2018 10:43

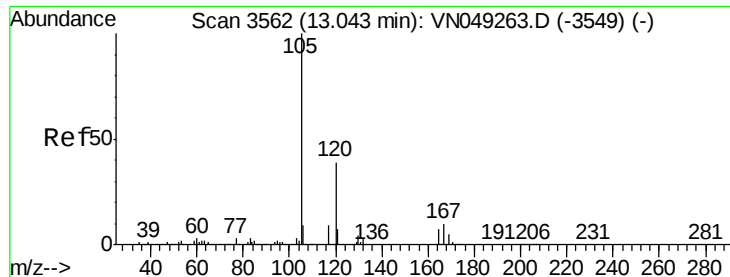
Tgt Ion: 91 Resp: 14237

Ion Ratio Lower Upper

91 100

126 24.2 16.4 49.1





#84

1,2,4-Trimethylbenzene

Concen: 1.34 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049302.D

Acq: 16 Jun 2018 10:43

Instrument :

MSVOA_N

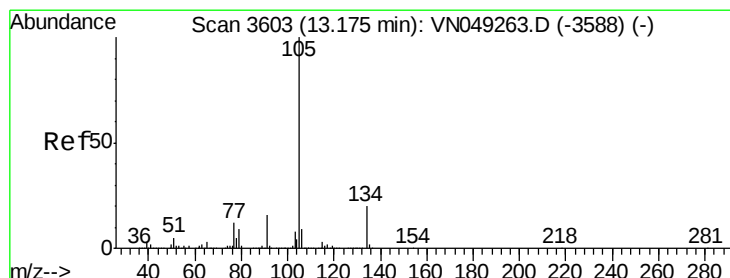
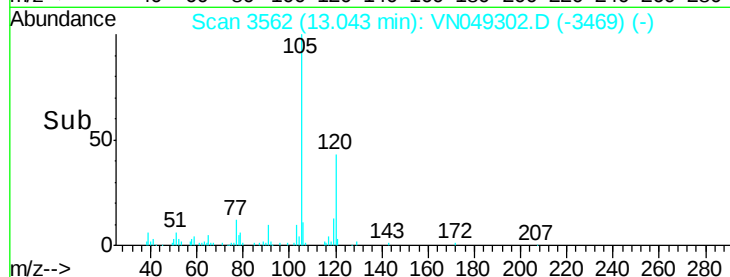
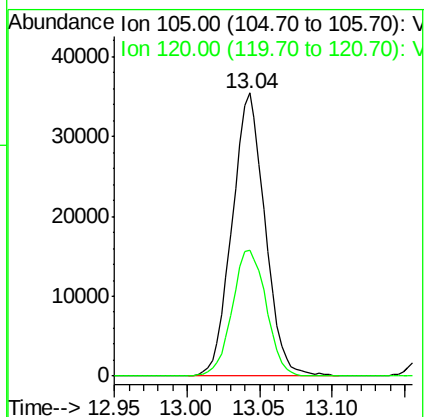
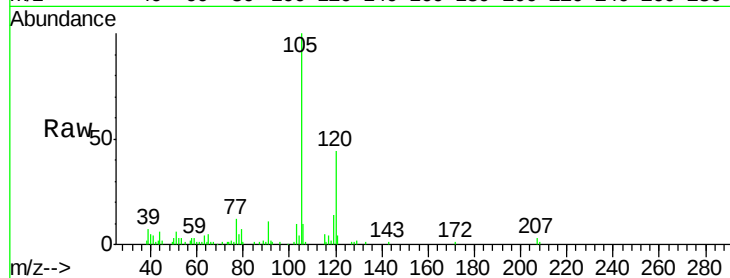
ClientSampleId :

Tot Ion:105 Resp: 55965

Ion Ratio Lower Upper

105 100

120 45.9 22.2 66.6



#85

sec-Butylbenzene

Concen: 0.32 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049302.D

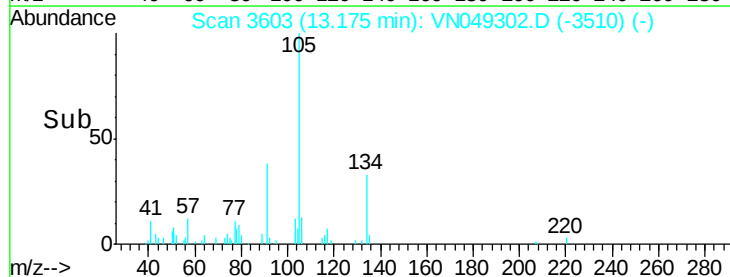
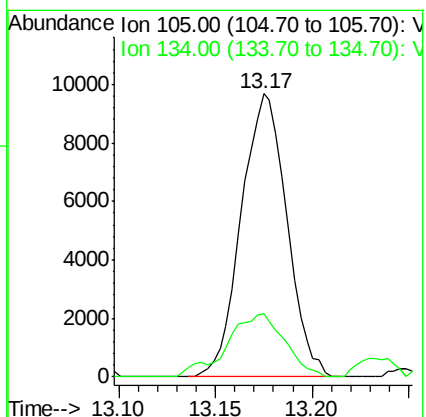
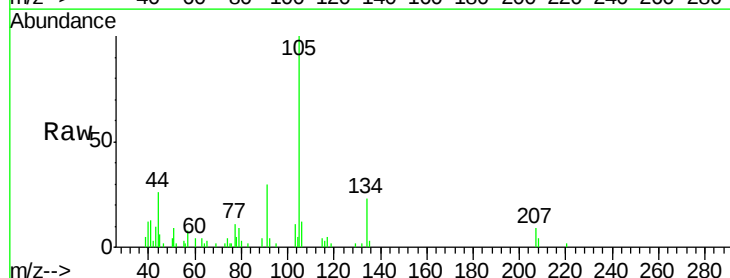
Acq: 16 Jun 2018 10:43

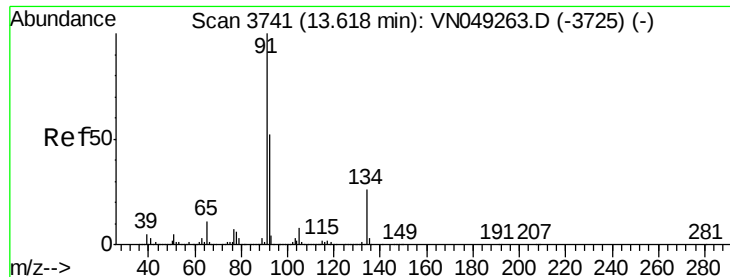
Tgt Ion:105 Resp: 15856

Ion Ratio Lower Upper

105 100

134 28.2 9.8 29.3

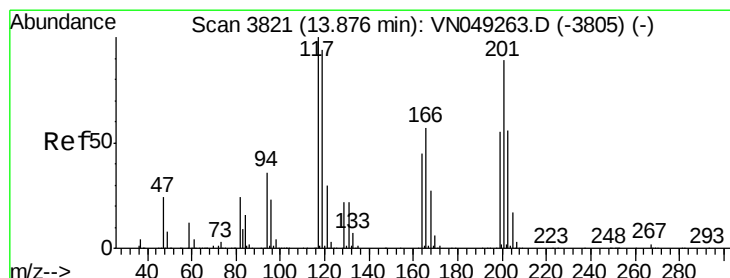
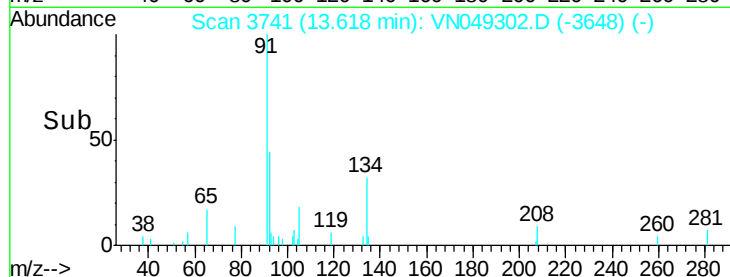
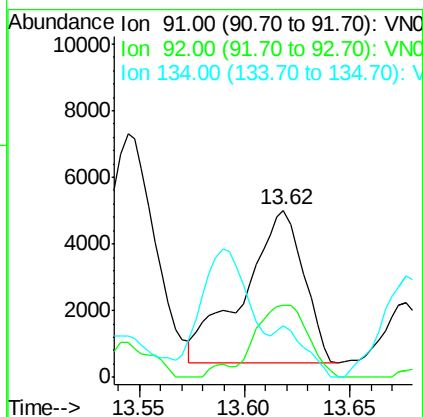
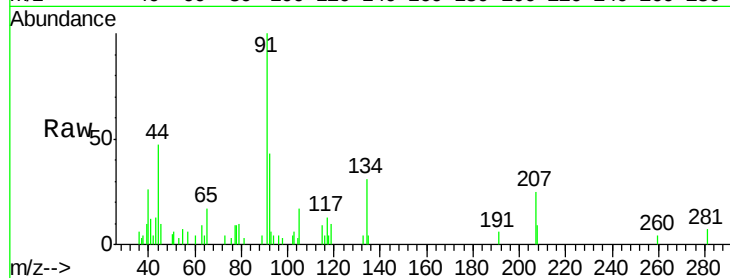




#89
n-Butylbenzene
Concen: 0.28 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

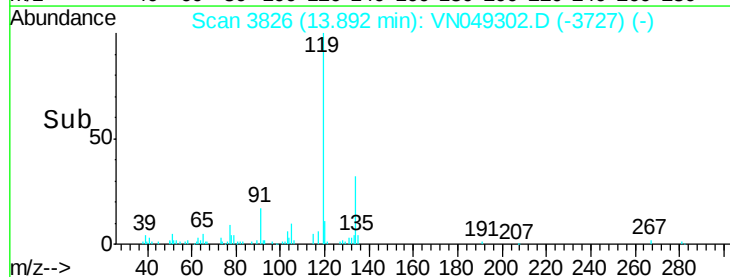
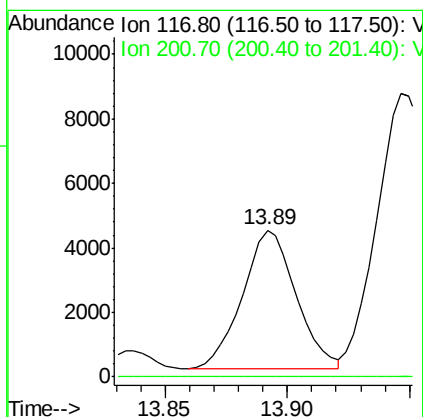
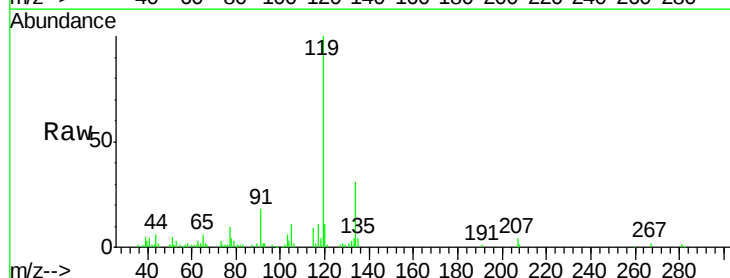
Instrument :
MSVOA_N
ClientSampled :

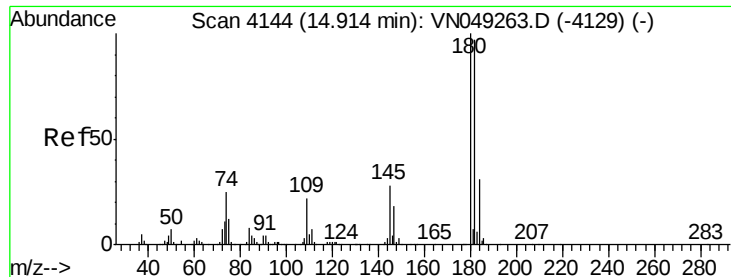
Tot Ion: 91 Resp: 9066
Ion Ratio Lower Upper
91 100
92 43.9 25.1 75.4
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: Below Cal
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049302.D
Acq: 16 Jun 2018 10:43

Tgt Ion: 117 Resp: 6605
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#

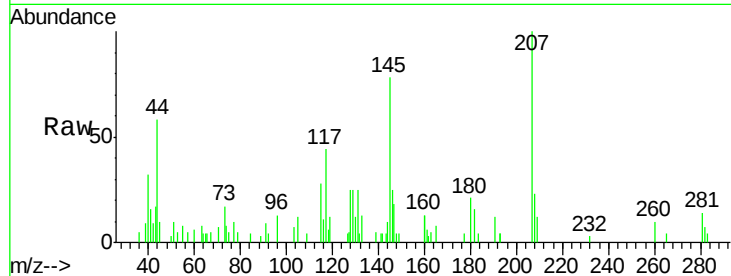




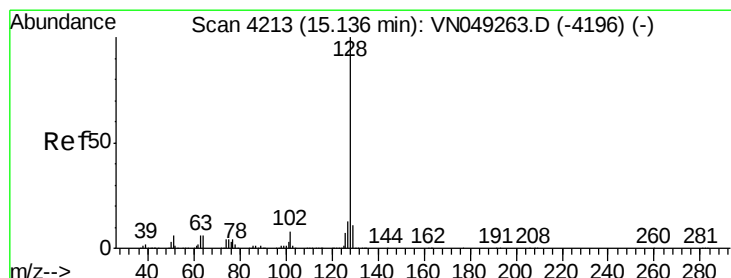
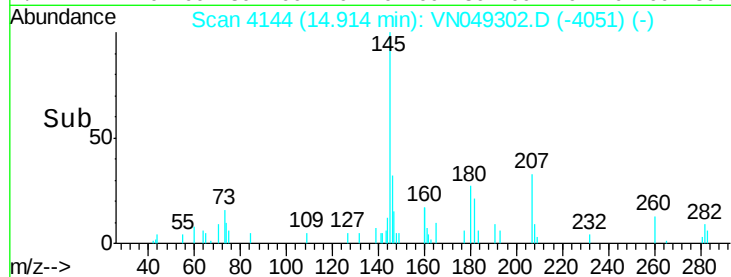
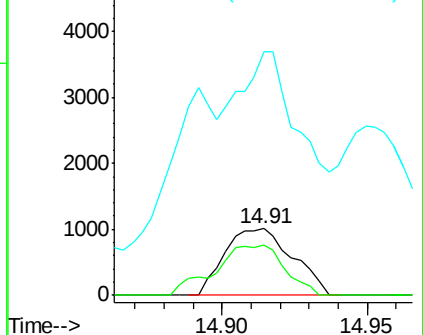
#93
 1,2,4-Trichlorobenzene
 Concen: 4.88 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049302.D
 Acq: 16 Jun 2018 10:43

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1641
 Ion Ratio Lower Upper
 180 100
 182 76.6 46.9 140.8
 145 0.0 14.7 44.1#

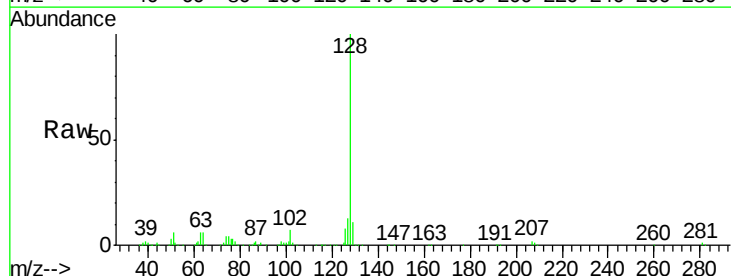


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

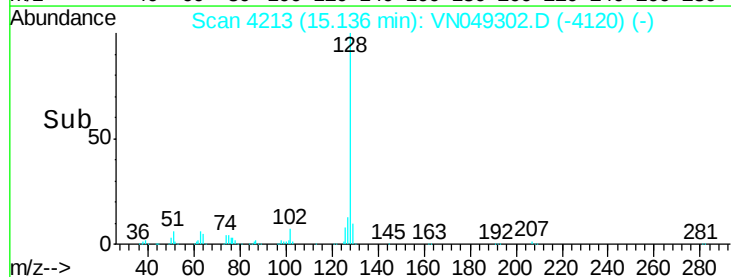
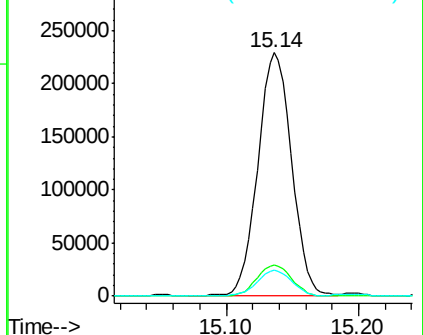


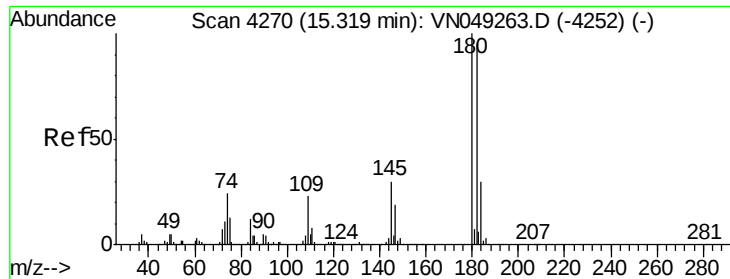
#95
 Naphthalene
 Concen: 24.61 ug/l
 RT: 15.14 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN049302.D
 Acq: 16 Jun 2018 10:43

Tgt Ion:128 Resp: 406478
 Ion Ratio Lower Upper
 128 100
 127 13.0 10.6 16.0
 129 10.6 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: 3.51 ug/l
 RT: 15.33 min Scan# 4272
 Delta R.T. 0.01 min
 Lab File: VN049302.D
 Acq: 16 Jun 2018 10:43

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 544
 Ion Ratio Lower Upper
 180 100
 182 59.2 47.3 141.8
 145 1690.8 15.6 46.7#

