

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
 Data File : VN049270.D
 Acq On : 15 Jun 2018 20:08
 Operator : MD\SY
 Sample : PB110255TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 16 01:23:48 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	1357016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2088700	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1703459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	432217	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	856190	47.57	ug/l	0.00
Spiked Amount			Recovery	=	95.14%	
35) Dibromofluoromethane	7.59	113	771763	45.67	ug/l	0.00
Spiked Amount			Recovery	=	91.34%	
50) Toluene-d8	10.09	98	2917623	45.34	ug/l	0.00
Spiked Amount			Recovery	=	90.68%	
62) 4-Bromofluorobenzene	12.41	95	685964	32.24	ug/l	0.00
Spiked Amount			Recovery	=	64.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5410	0.27	ug/l #	81
5) Bromomethane	2.57	94	9038	0.80	ug/l	98
10) Methyl Iodide	3.95	142	6489	0.37	ug/l #	39
11) Tert butyl alcohol	4.81	59	475	0.45	ug/l #	70
13) Acrolein	3.62	56	1195	1.08	ug/l #	14
16) Acetone	3.82	43	47819	10.94	ug/l	99
17) Carbon Disulfide	4.05	76	22581	0.46	ug/l #	88
18) Methyl Acetate	4.33	43	76324	5.73	ug/l	95
20) Methylene Chloride	4.55	84	29523	1.62	ug/l #	81
25) 2-Butanone	6.86	43	11207	1.91	ug/l	93
29) Tetrahydrofuran	7.22	42	1797	0.48	ug/l #	49
31) Cyclohexane	7.66	56	25358	0.78	ug/l #	1
38) Carbon Tetrachloride	7.67	117	122009	4.92	ug/l #	17
43) Isopropyl Acetate	8.22	43	155728	6.26	ug/l #	64
49) 1,4-Dioxane	9.20	88	315	1.95	ug/l #	12
51) 4-Methyl-2-Pentanone	9.99	43	8827	0.68	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.71	63	410	14.38	ug/l #	51
59) 2-Hexanone	10.76	43	6322	0.75	ug/l	86
65) Chlorobenzene	11.44	112	34679	0.79	ug/l	99
74) N-amyl acetate	12.08	43	2755	0.30	ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.51	83	1706	Below	Cal #	91
76) 1,2,3-Trichloropropane	12.41	75	332522	45.09	ug/l #	100
77) Bromobenzene	12.53	156	3230	0.32	ug/l	81
78) n-propylbenzene	12.59	91	8583	0.21	ug/l	93
79) 2-Chlorotoluene	12.78	91	7905	0.30	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.41	75	332522	142.51	ug/l #	8
82) 4-Chlorotoluene	12.78	91	7905	0.31	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	6017	0.20	ug/l	90
85) sec-Butylbenzene	13.17	105	8563	0.24	ug/l	97
86) p-Isopropyltoluene	13.29	119	6506	0.22	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	6676	0.40	ug/l	90
88) 1,4-Dichlorobenzene	13.37	146	8010	0.49	ug/l	75
89) n-Butylbenzene	13.62	91	10270	0.45	ug/l	94
90) Hexachloroethane	13.87	117	1525	Below	Cal	90

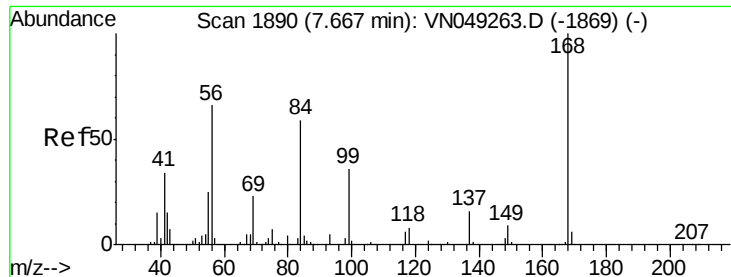
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061618\
Data File : VN049270.D
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
91) 1,2-Dichlorobenzene	13.66	146	6582	0.41	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1383	1.05	ug/l #	35
93) 1,2,4-Trichlorobenzene	14.91	180	10716	6.05	ug/l	88
94) Hexachlorobutadiene	15.01	225	9264	Below	Cal	88
95) Naphthalene	15.14	128	20081	3.75	ug/l #	97
96) 1,2,3-Trichlorobenzene	15.32	180	10429	4.80	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

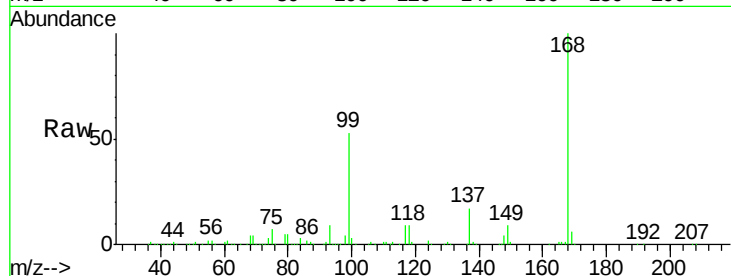
ClientSampleId :

Tot Ion:168 Resp: 1357016

Ion Ratio Lower Upper

168 100

99 52.6 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

500000

400000

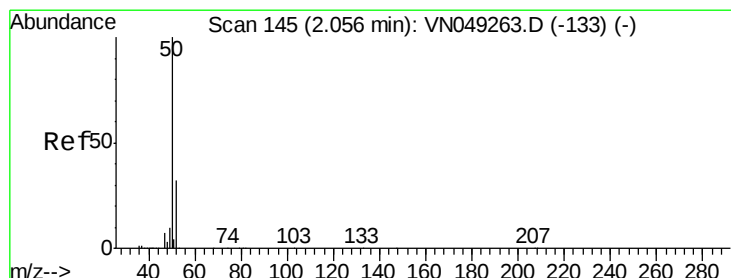
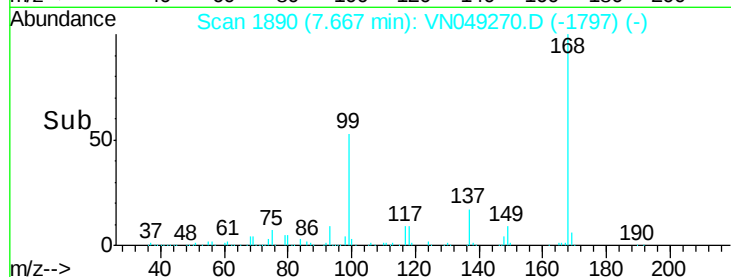
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.27 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049270.D

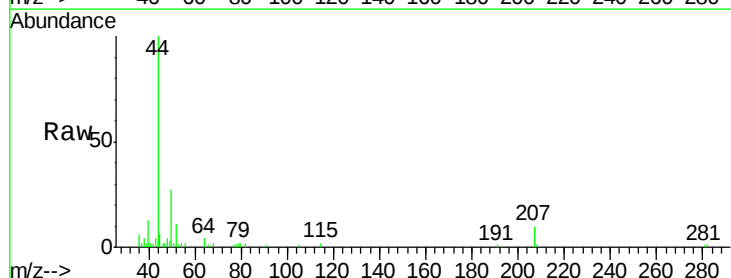
Acq: 15 Jun 2018 20:08

Tgt Ion: 50 Resp: 5410

Ion Ratio Lower Upper

50 100

52 42.1 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

4000

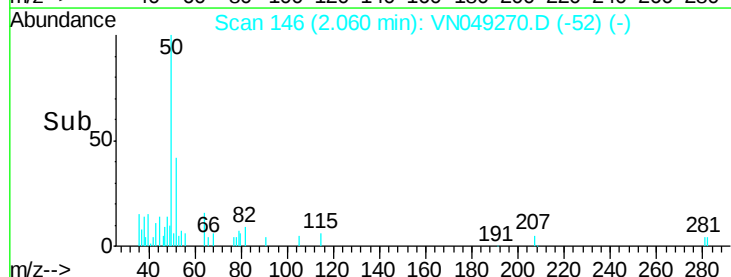
3000

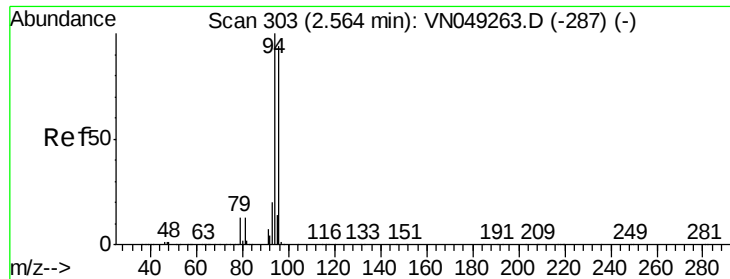
2000

1000

0

Time--> 2.00 2.05 2.10





#5

Bromomethane

Concen: 0.80 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

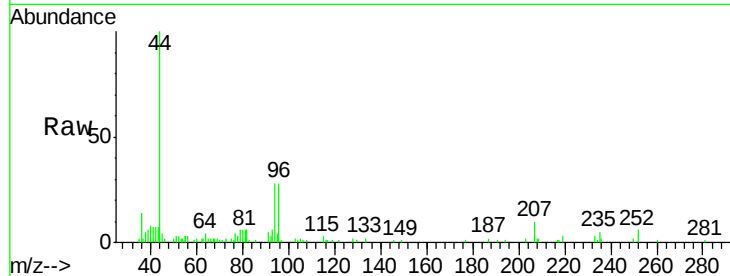
ClientSampled :

Tot Ion: 94 Resp: 9038

Ion Ratio Lower Upper

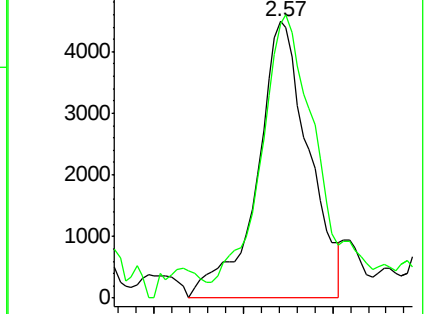
94 100

96 89.3 72.8 109.2

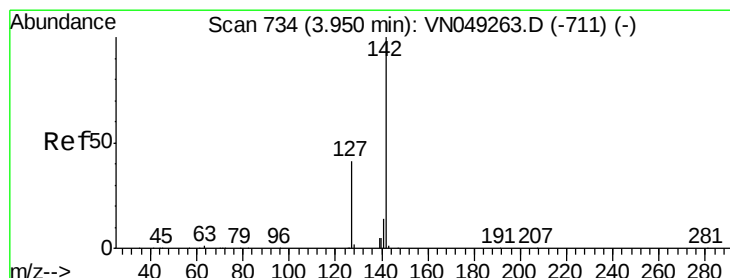
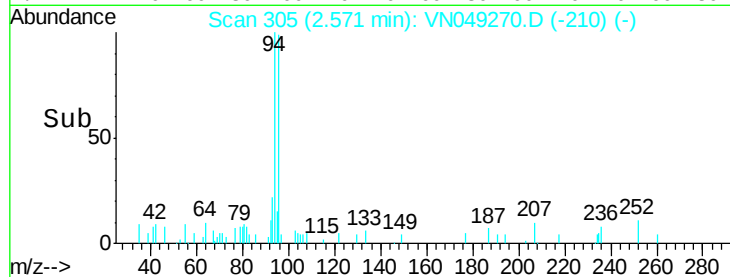


Abundance Ion 93.90 (93.60 to 94.60): VN049270.D (-210) (-)

Ion 95.90 (95.60 to 96.60): VN049270.D (-210) (-)



Time-->



#10

Methyl Iodide

Concen: 0.37 ug/l

RT: 3.95 min Scan# 733

Delta R.T. -0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

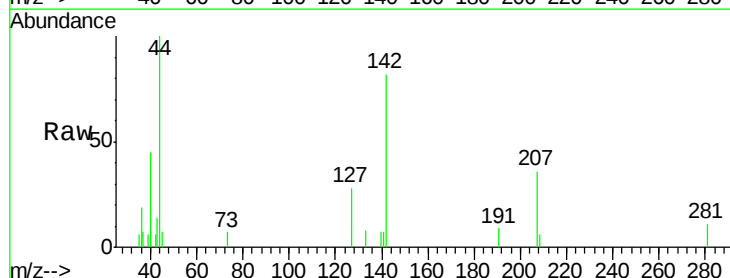
Tgt Ion: 142 Resp: 6489

Ion Ratio Lower Upper

142 100

127 0.0 38.2 57.4#

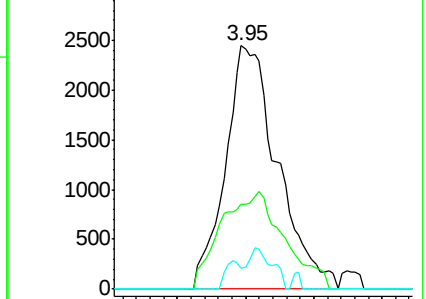
141 3.5 11.9 17.9#



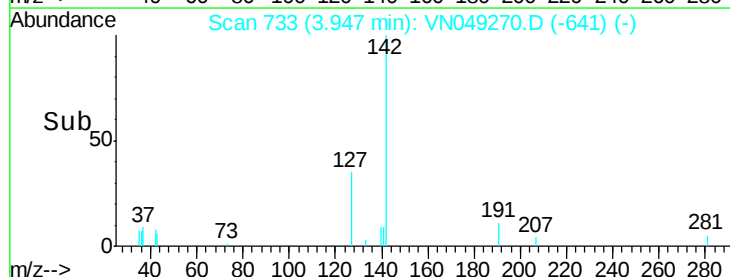
Abundance Ion 141.80 (141.50 to 142.50): VN049270.D (-641) (-)

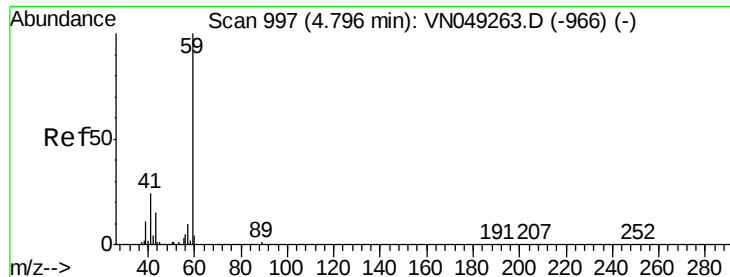
Ion 126.80 (126.50 to 127.50): VN049270.D (-641) (-)

Ion 140.80 (140.50 to 141.50): VN049270.D (-641) (-)



Time-->

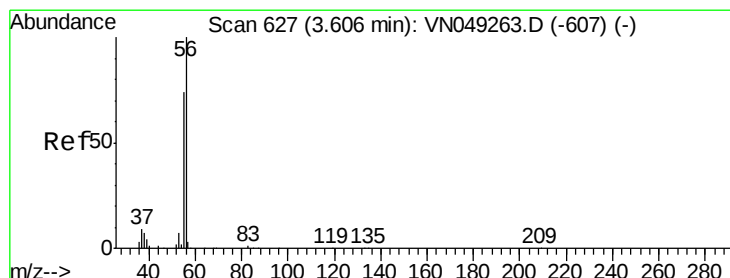
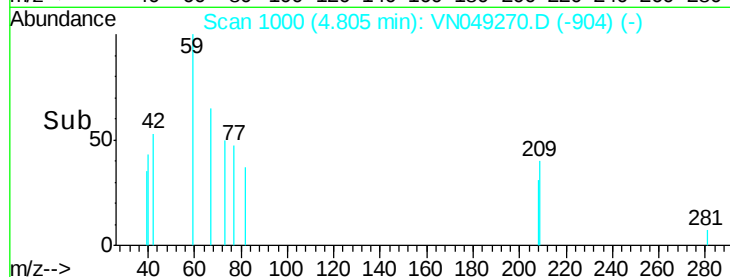
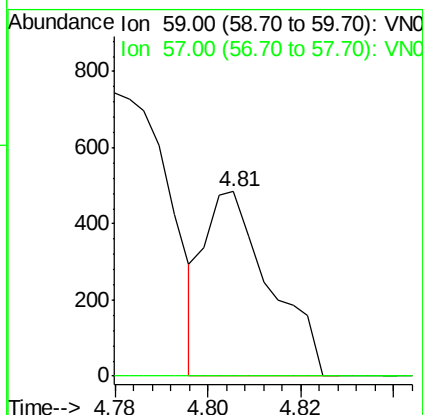
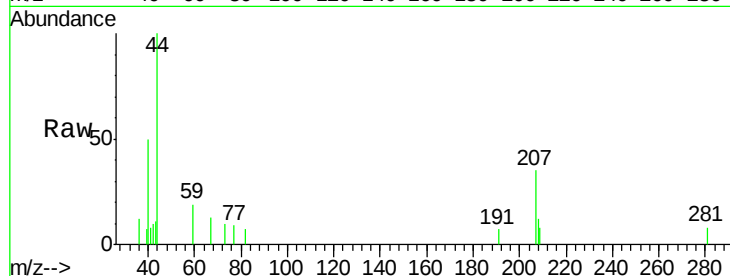




#11
Tert butyl alcohol
Concen: 0.45 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

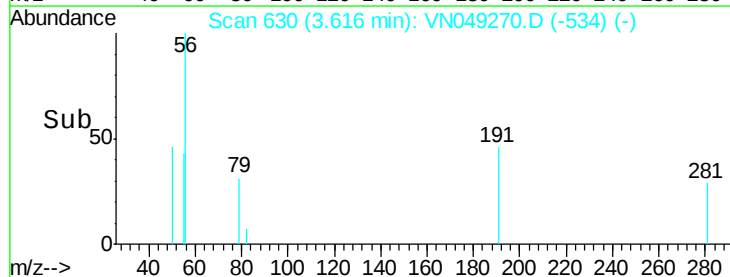
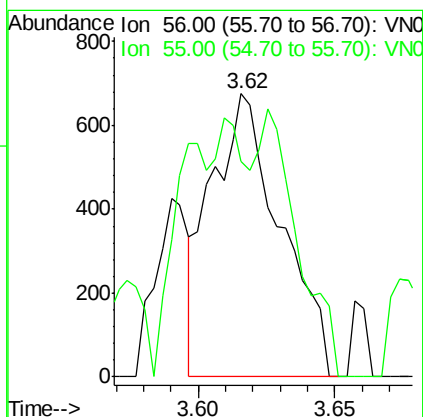
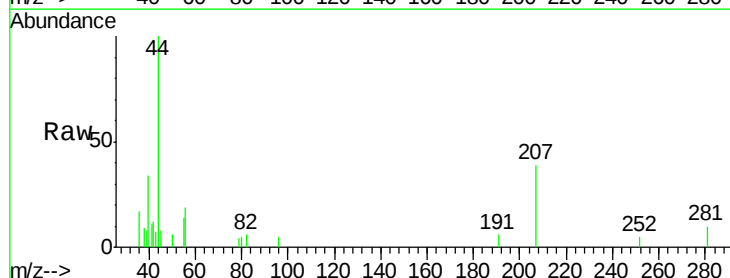
Instrument :
MSVOA_N
ClientSampled :

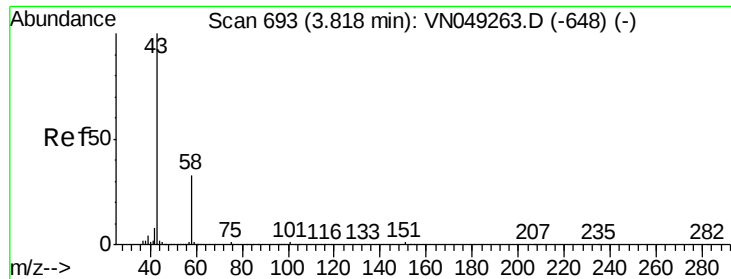
Tot Ion: 59 Resp: 475
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 1.08 ug/l
RT: 3.62 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Tgt Ion: 56 Resp: 1195
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#





#16

Acetone

Concen: 10.94 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

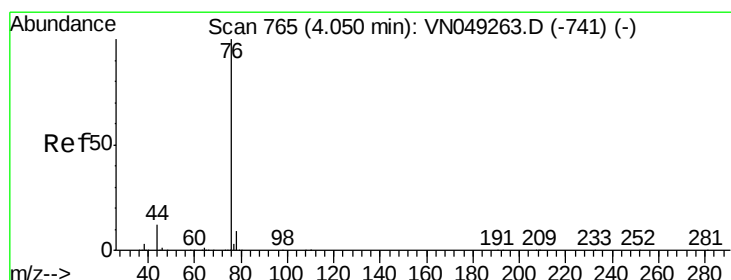
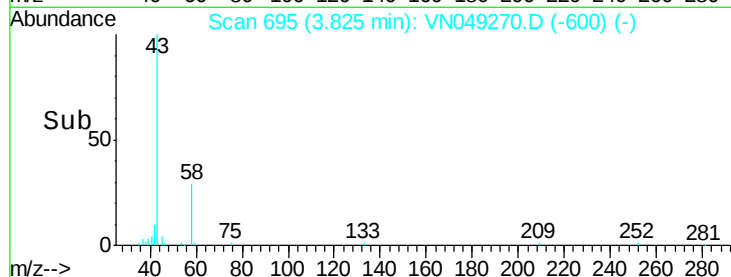
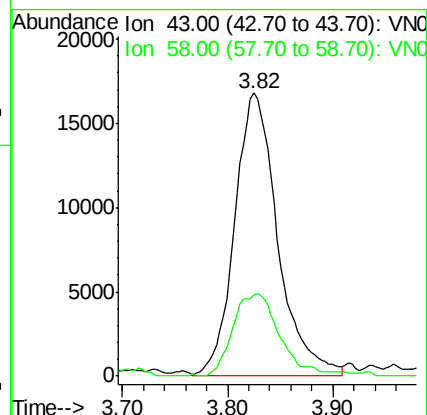
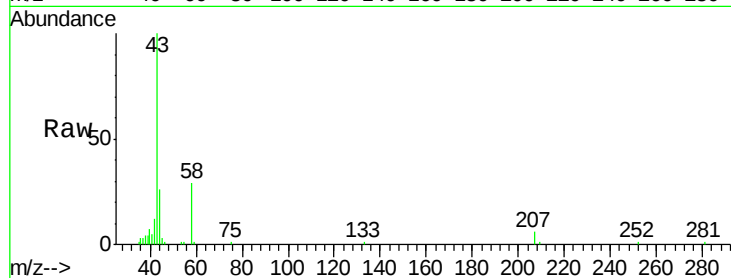
ClientSampleId :

Tot Ion: 43 Resp: 47819

Ion Ratio Lower Upper

43 100

58 27.6 22.4 33.6



#17

Carbon Disulfide

Concen: 0.46 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049270.D

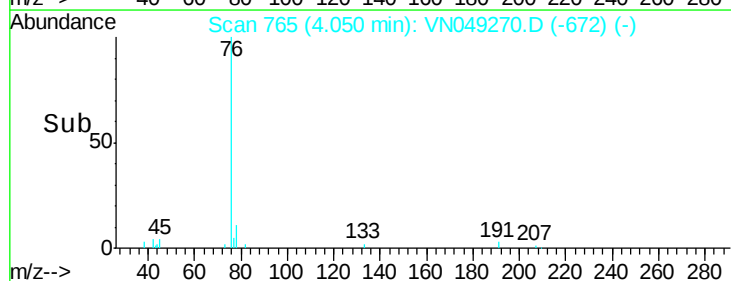
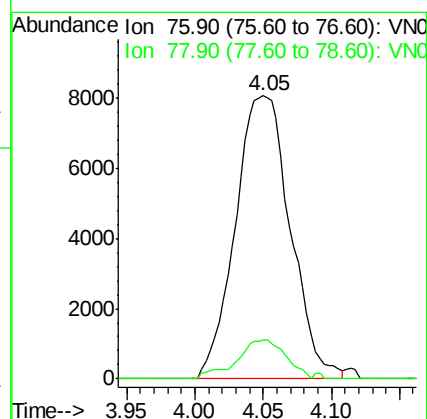
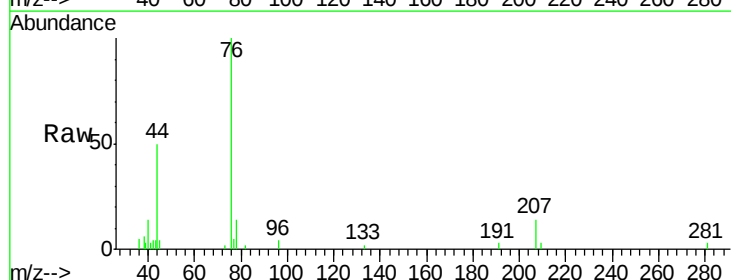
Acq: 15 Jun 2018 20:08

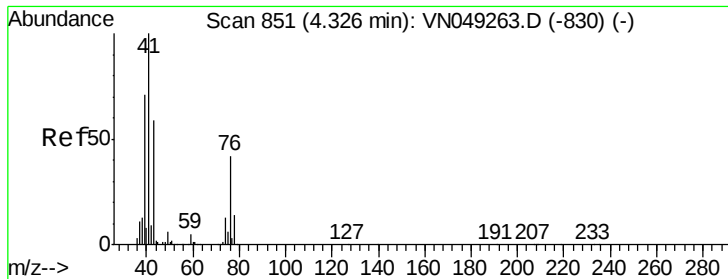
Tgt Ion: 76 Resp: 22581

Ion Ratio Lower Upper

76 100

78 13.6 7.4 11.0#

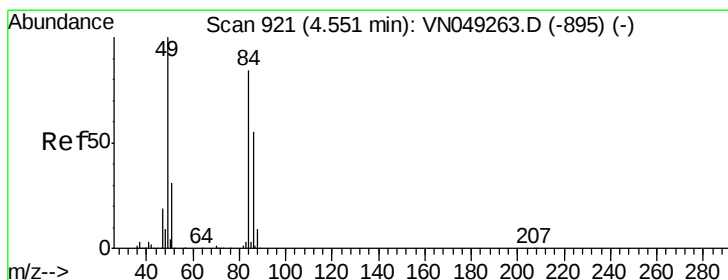
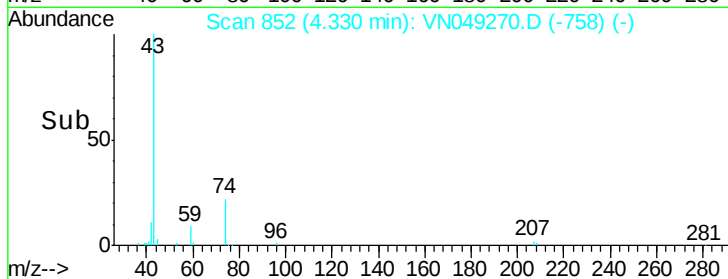
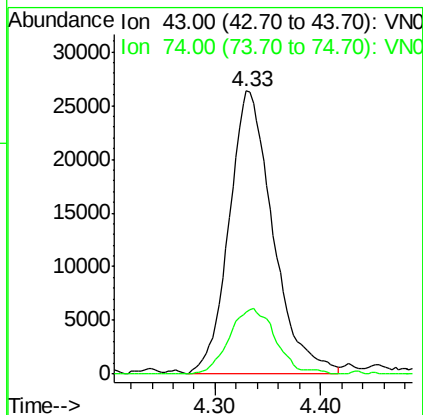
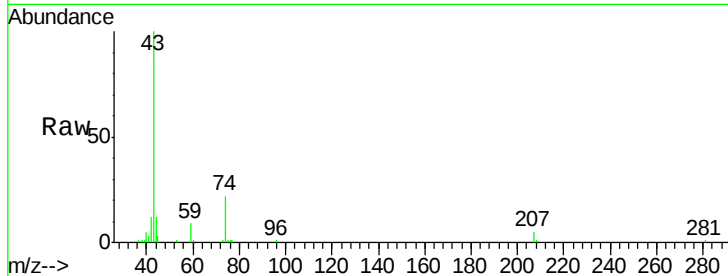




#18
Methvl Acetate
Concen: 5.73 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

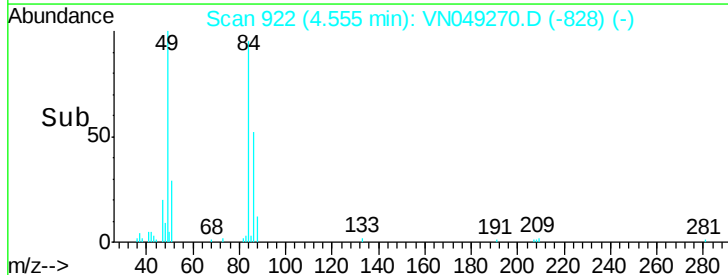
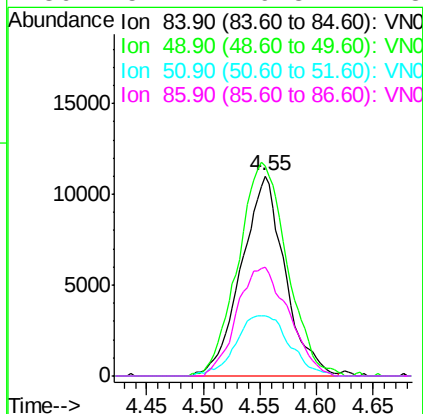
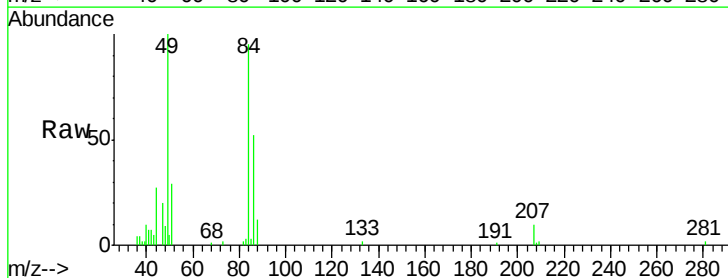
Instrument :
MSVOA_N
ClientSampled :

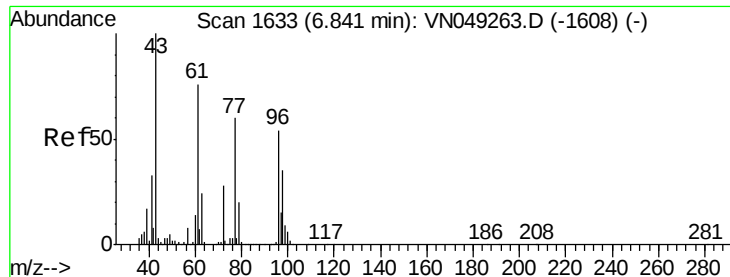
Tot Ion: 43 Resp: 76324
Ion Ratio Lower Upper
43 100
74 24.1 17.4 26.0



#20
Methylene Chloride
Concen: 1.62 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Tgt Ion: 84 Resp: 29523
Ion Ratio Lower Upper
84 100
49 105.3 106.9 160.3#
51 30.3 32.7 49.1#
86 54.7 49.8 74.8

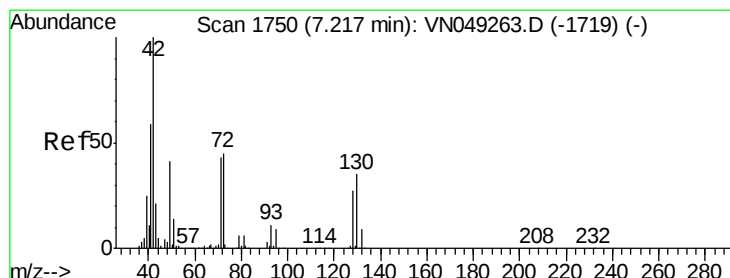
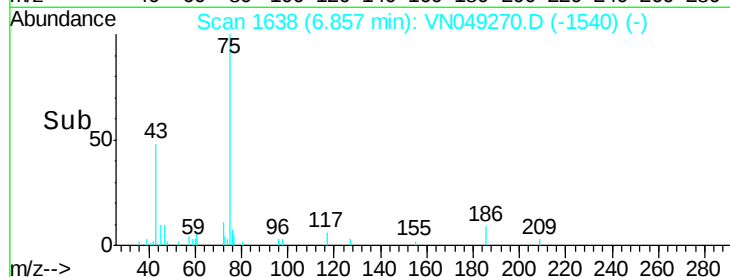
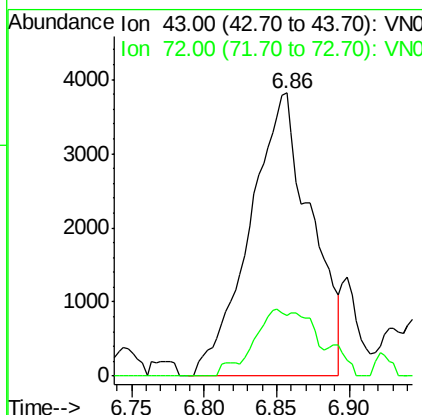
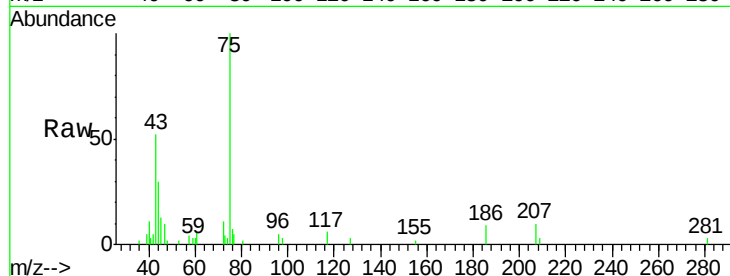




#25
2-Butanone
Concen: 1.91 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

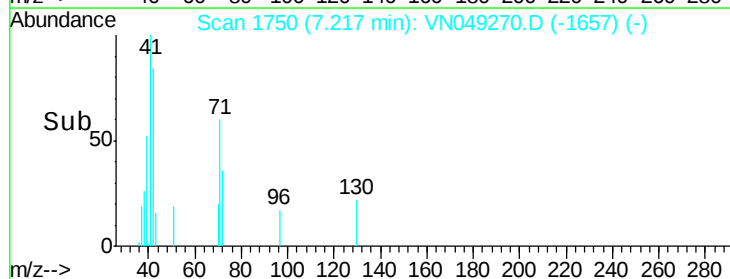
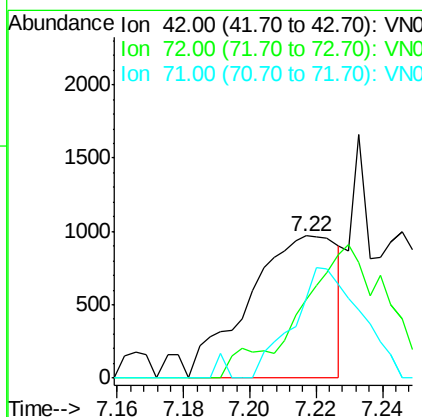
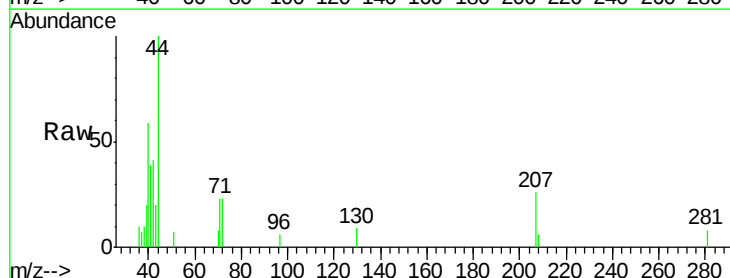
Instrument :
MSVOA_N
ClientSampled :

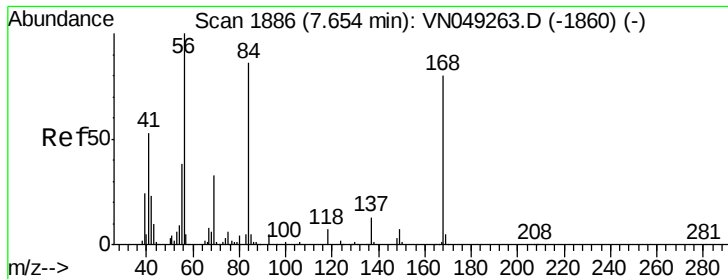
Tot Ion: 43 Resp: 11207
Ion Ratio Lower Upper
43 100
72 21.5 20.2 30.2



#29
Tetrahydrofuran
Concen: 0.48 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Tgt Ion: 42 Resp: 1797
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 59.7 30.5 45.7#

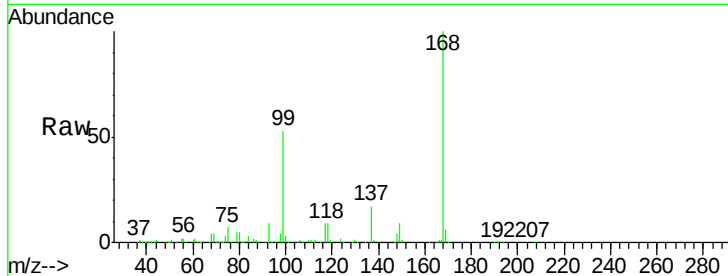




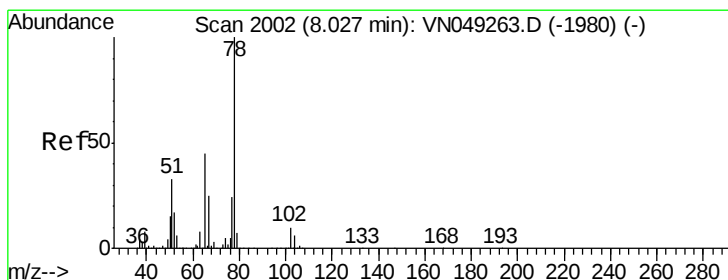
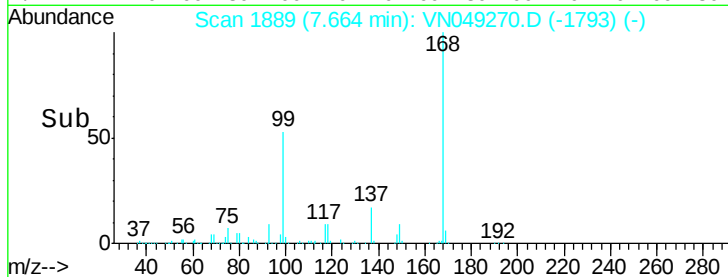
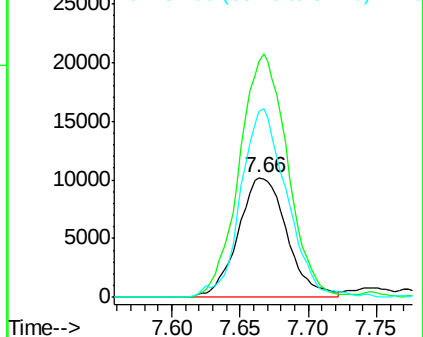
#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 25358
Ion Ratio Lower Upper
56 100
69 196.5 25.0 37.4#
84 154.8 64.6 96.8#

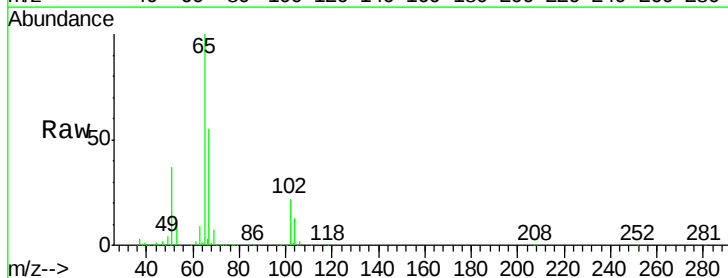


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

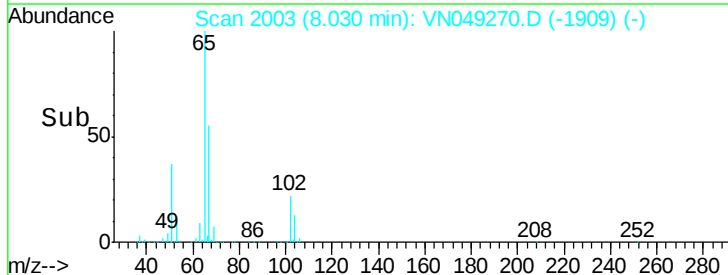
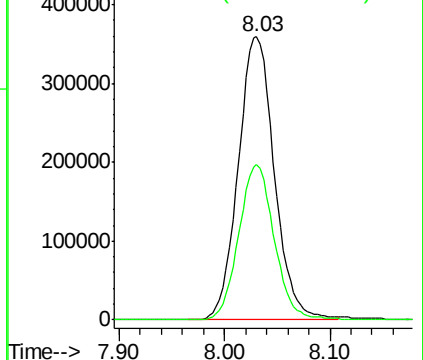


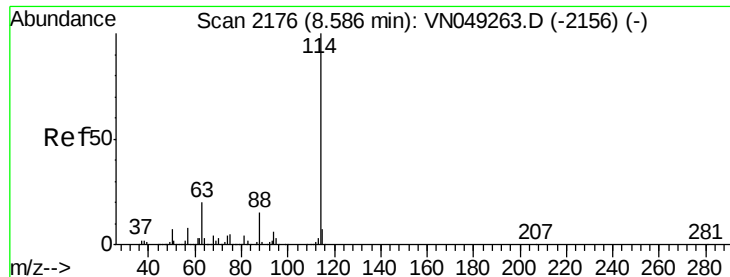
#33
1,2-Dichloroethane-d4
Concen: 47.57 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Tgt Ion: 65 Resp: 856190
Ion Ratio Lower Upper
65 100
67 54.2 0.0 103.8



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

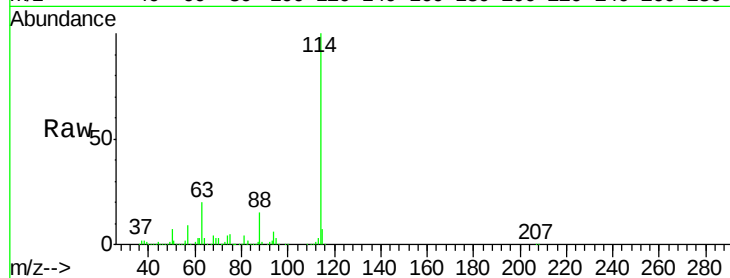




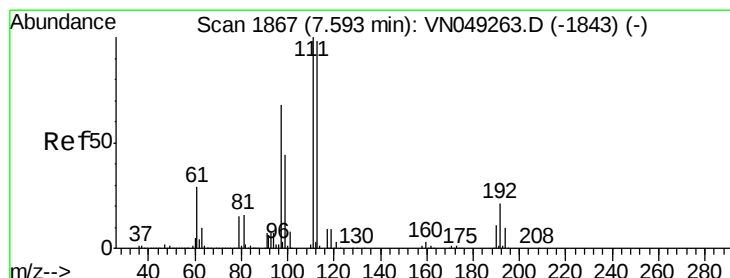
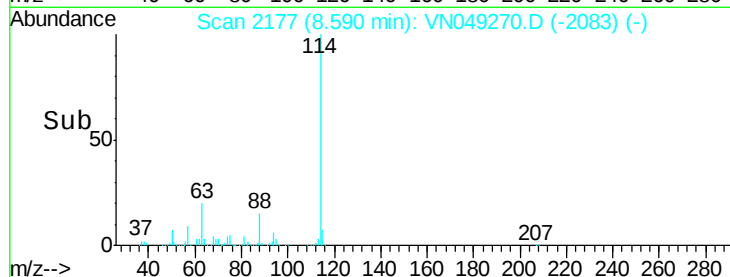
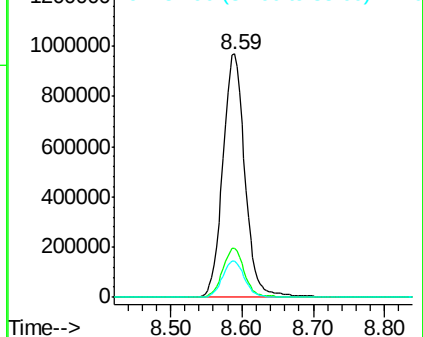
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049270.D
 Acq: 15 Jun 2018 20:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 2088700
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 44.4
 88 15.0 0.0 31.4

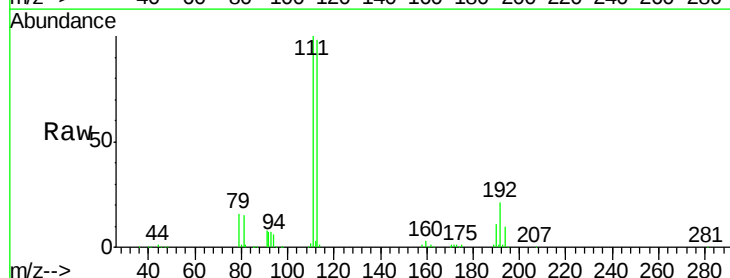


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

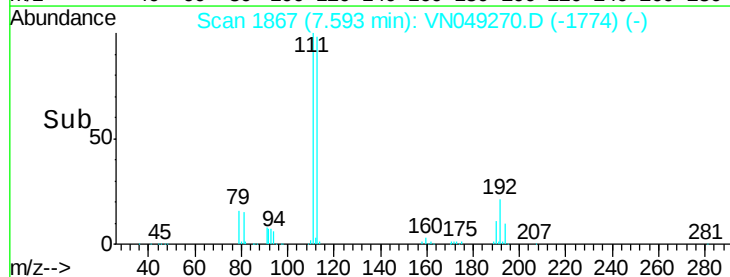
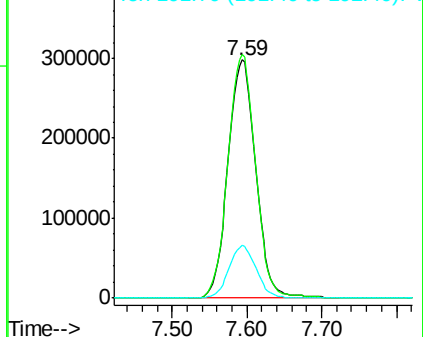


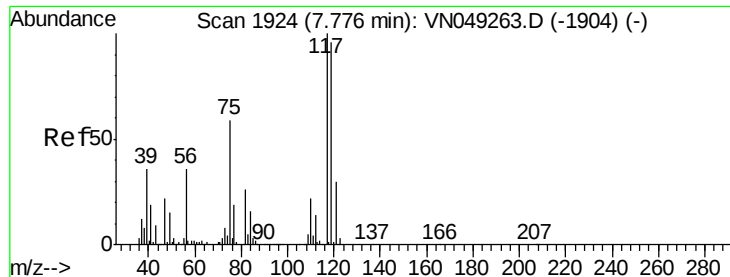
#35
 Dibromofluoromethane
 Concen: 45.67 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049270.D
 Acq: 15 Jun 2018 20:08

Tgt Ion:113 Resp: 771763
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.4 123.6
 192 21.6 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

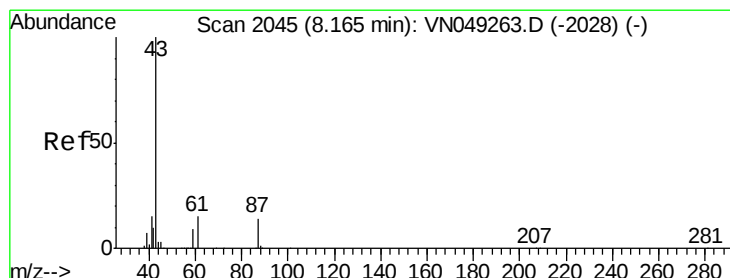
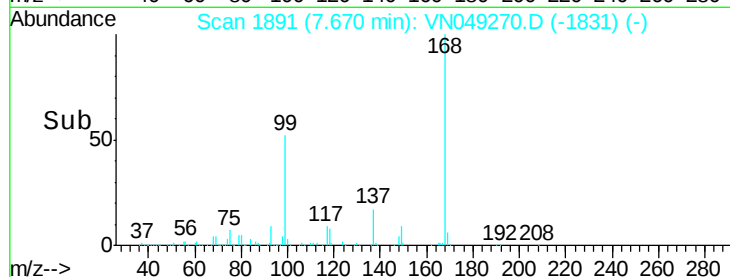
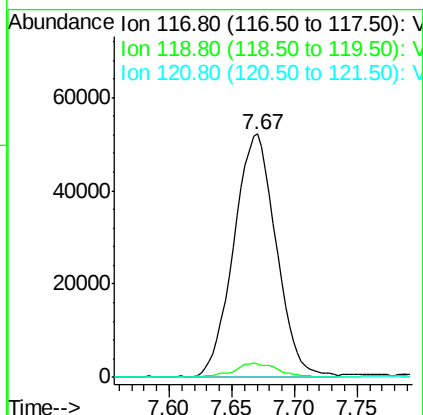
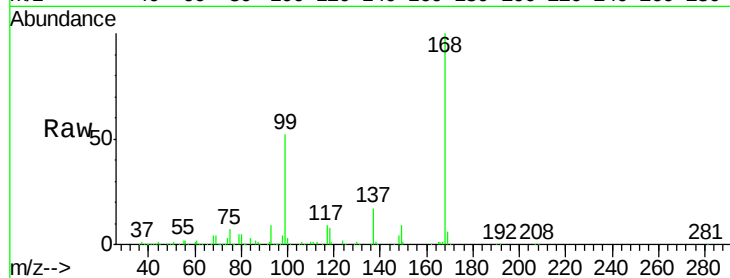




#38
Carbon Tetrachloride
Concen: 4.92 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. -0.11 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

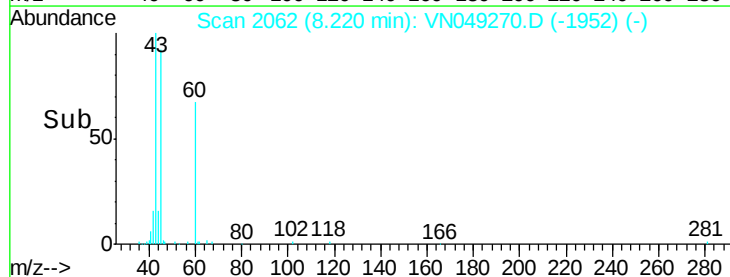
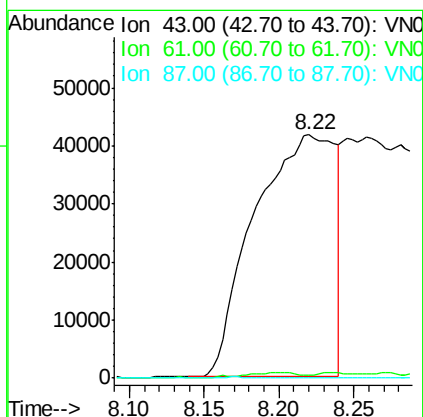
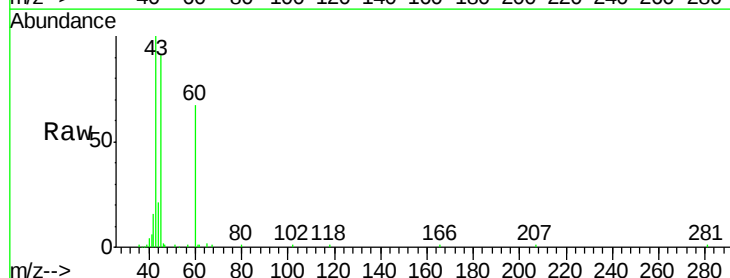
Instrument :
MSVOA_N
ClientSampleId :

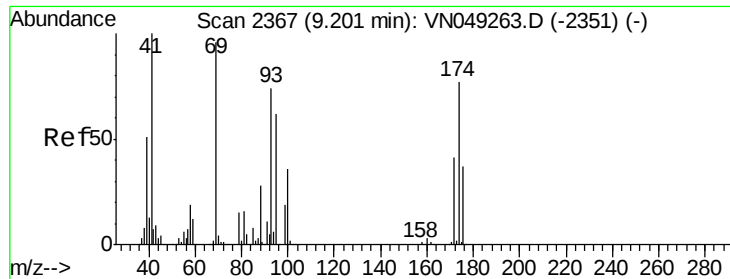
Tot Ion:117 Resp: 122009
Ion Ratio Lower Upper
117 100
119 5.5 75.6 113.4#
121 0.0 24.7 37.1#



#43
Isopropyl Acetate
Concen: 6.26 ug/l
RT: 8.22 min Scan# 2062
Delta R.T. 0.05 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Tgt Ion: 43 Resp: 155728
Ion Ratio Lower Upper
43 100
61 0.3 14.2 21.4#
87 0.0 9.4 14.0#

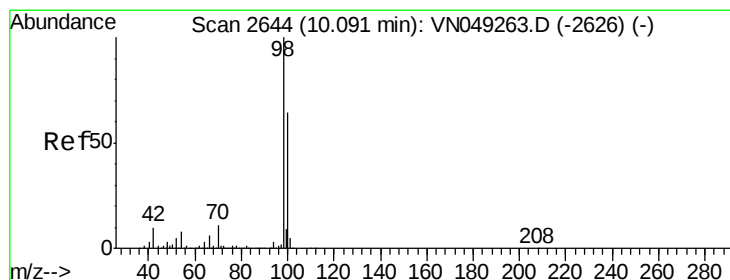
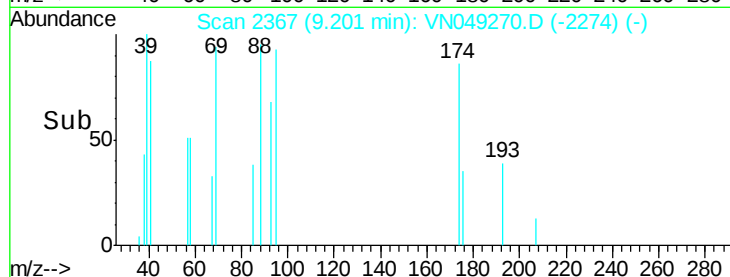
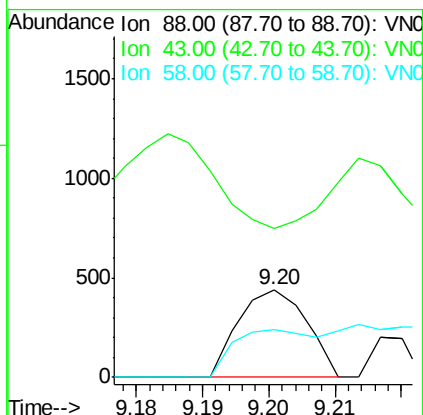
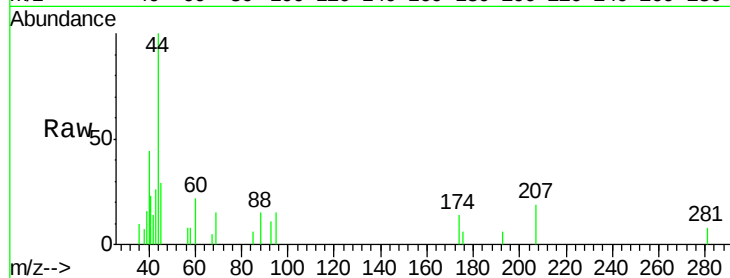




#49
1,4-Dioxane
Concen: 1.95 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

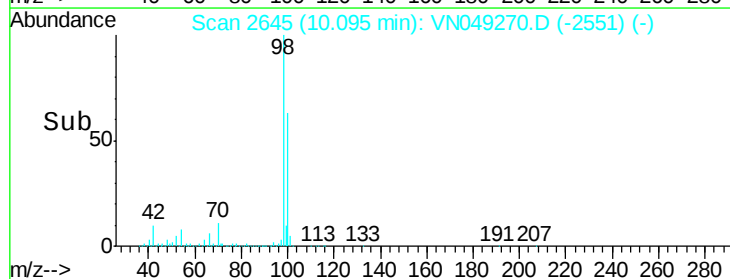
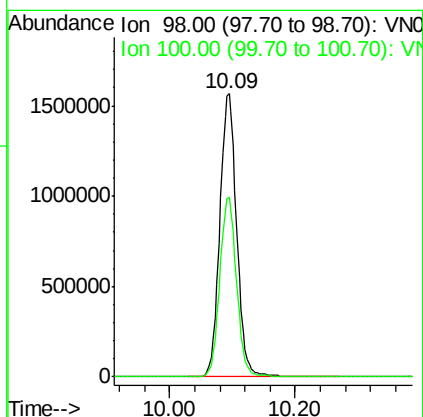
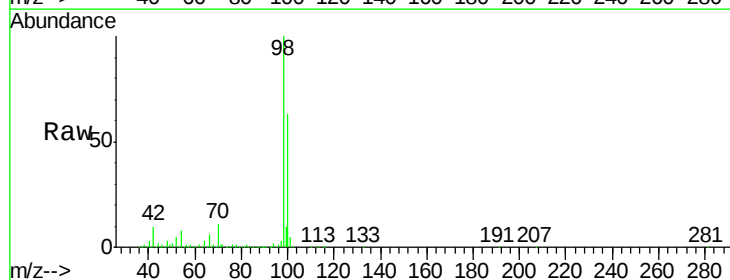
Instrument :
MSVOA_N
ClientSampleId :

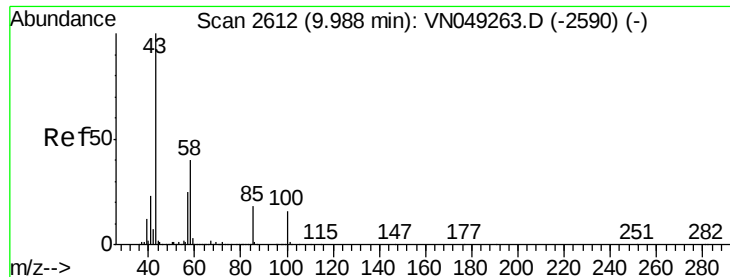
Tot Ion: 88 Resp: 315
Ion Ratio Lower Upper
88 100
43 182.5 30.9 46.3#
58 65.4 58.9 88.3



#50
Toluene-d8
Concen: 45.34 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Tgt Ion: 98 Resp: 2917623
Ion Ratio Lower Upper
98 100
100 63.1 49.8 74.8





#51

4-Methyl-2-Pentanone

Concen: 0.68 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

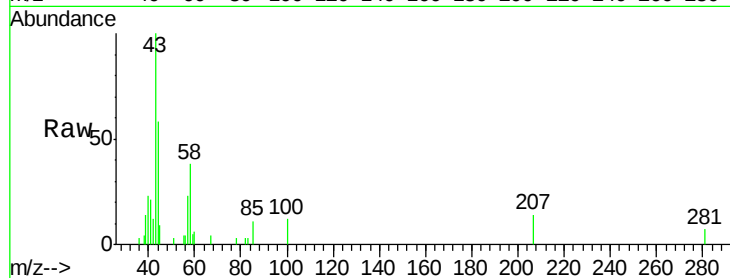
ClientSampled :

Tot Ion: 43 Resp: 8827

Ion Ratio Lower Upper

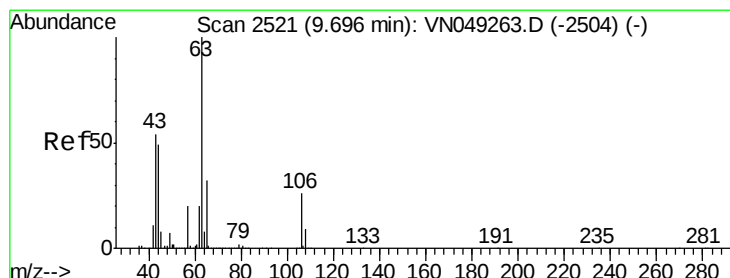
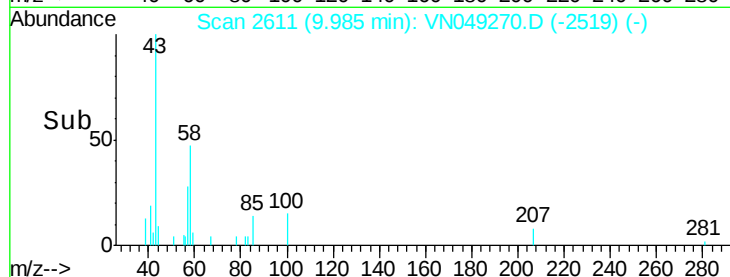
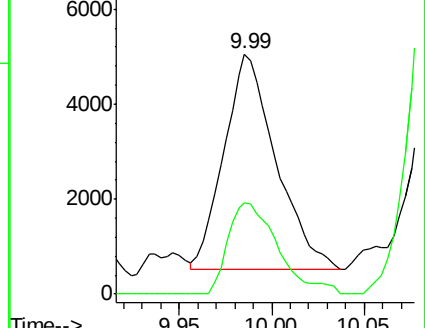
43 100

58 40.6 29.0 43.6



Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2590) (-)

Ion 58.00 (57.70 to 58.70): VN049263.D (-2590) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 14.38 ug/l

RT: 9.71 min Scan# 2524

Delta R.T. 0.01 min

Lab File: VN049270.D

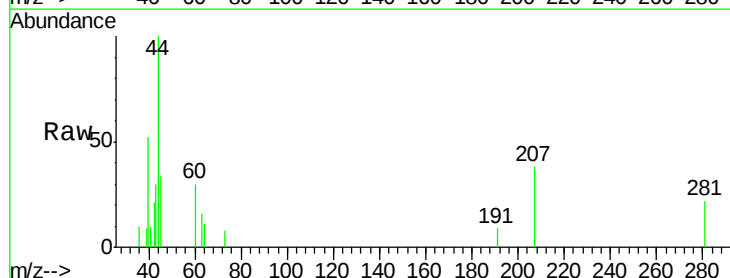
Acq: 15 Jun 2018 20:08

Tgt Ion: 63 Resp: 410

Ion Ratio Lower Upper

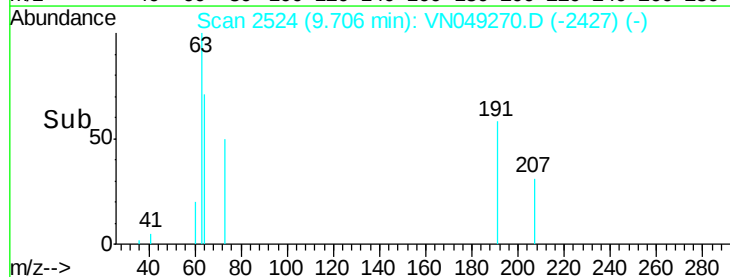
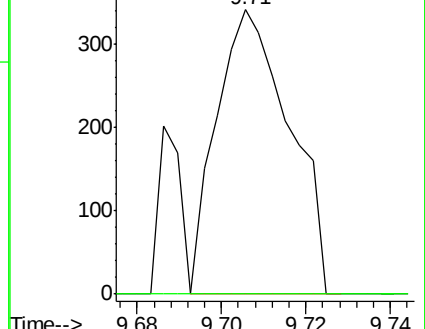
63 100

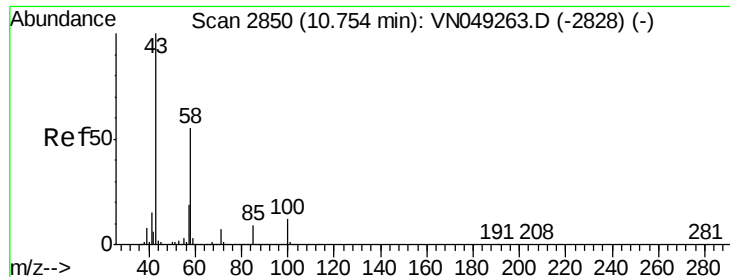
106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049263.D (-2504) (-)

Ion 105.90 (105.60 to 106.60): VN049263.D (-2504) (-)





#59

2-Hexanone

Concen: 0.75 ug/l

RT: 10.76 min Scan# 2852

Delta R.T. 0.01 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

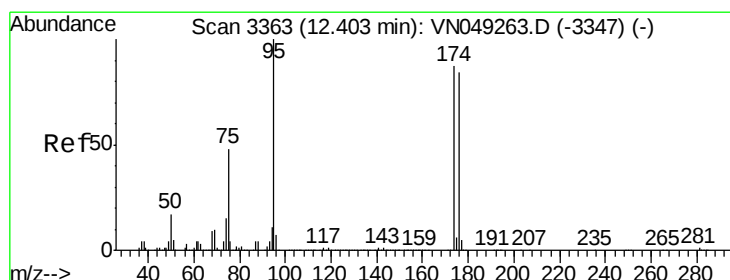
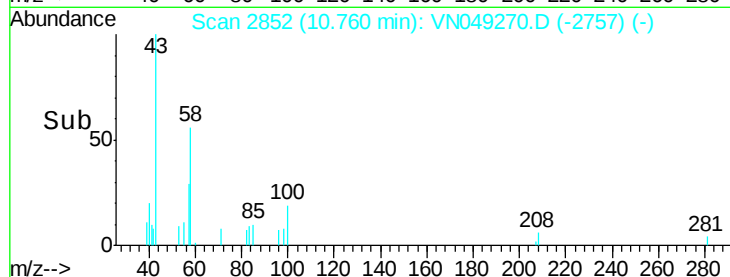
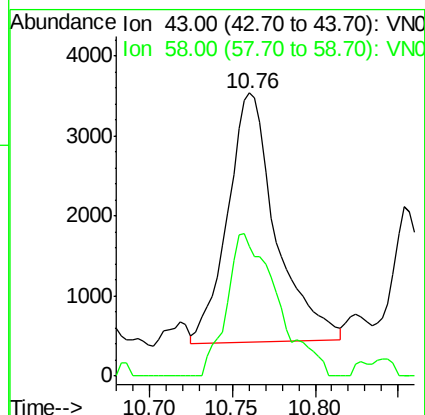
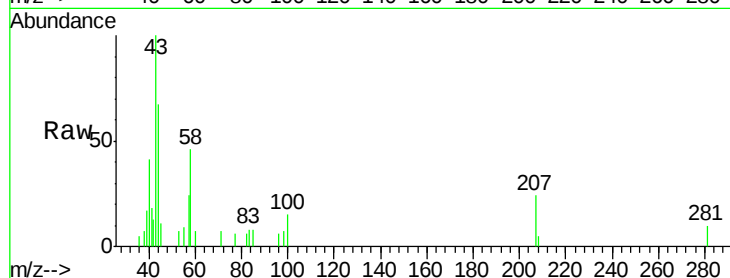
ClientSampled :

Tot Ion: 43 Resp: 6322

Ion Ratio Lower Upper

43 100

58 60.0 25.2 75.6



#62

4-Bromofluorobenzene

Concen: 32.24 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

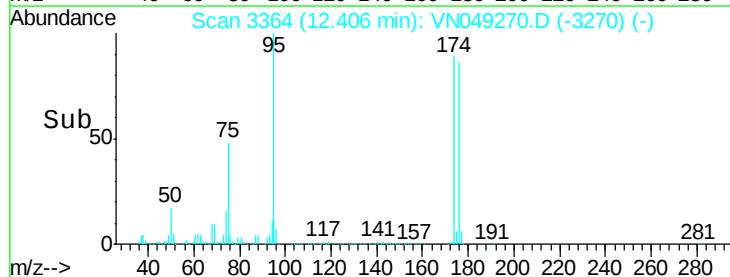
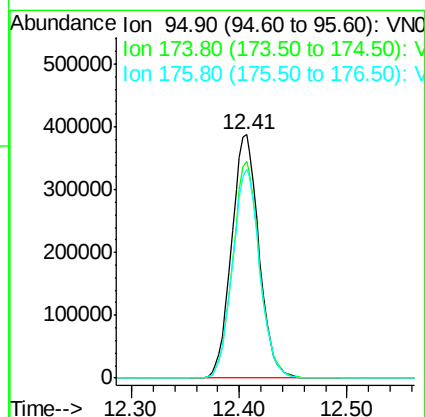
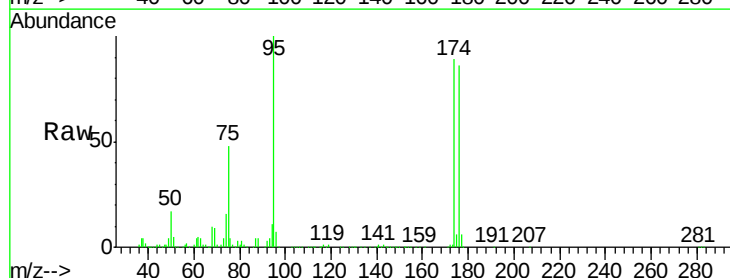
Tgt Ion: 95 Resp: 685964

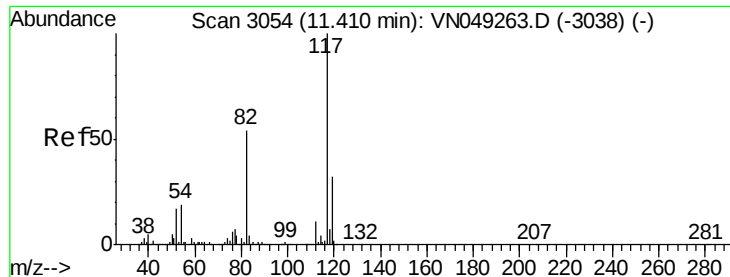
Ion Ratio Lower Upper

95 100

174 87.4 0.0 165.6

176 85.1 0.0 157.4

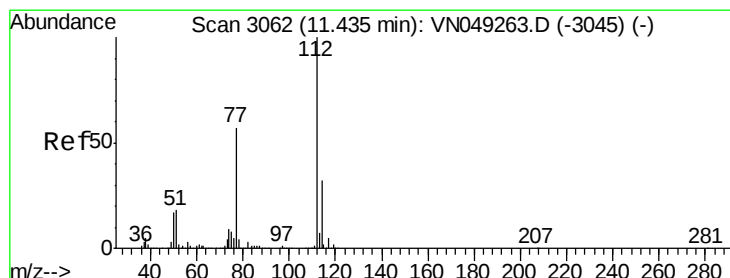
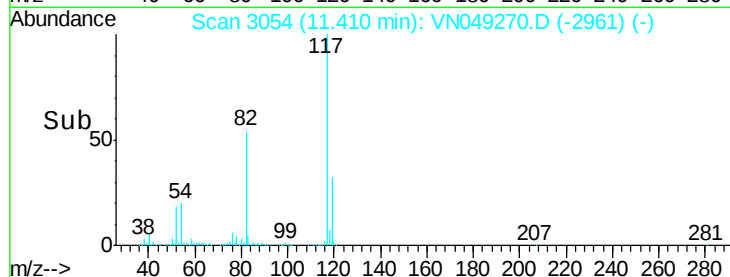
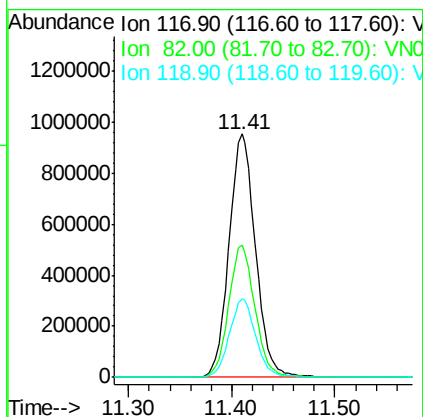
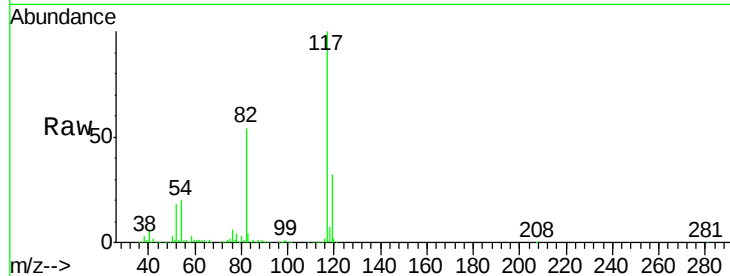




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

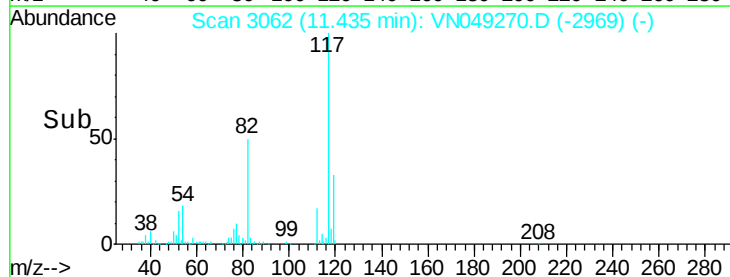
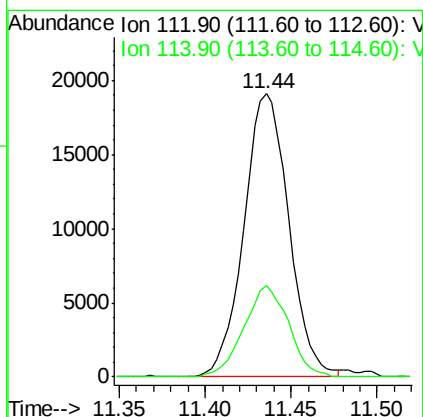
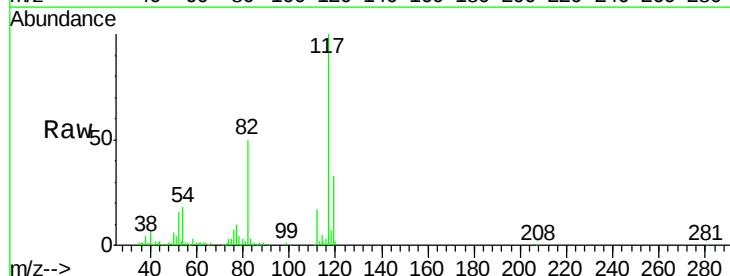
Instrument :
MSVOA_N
ClientSampled :

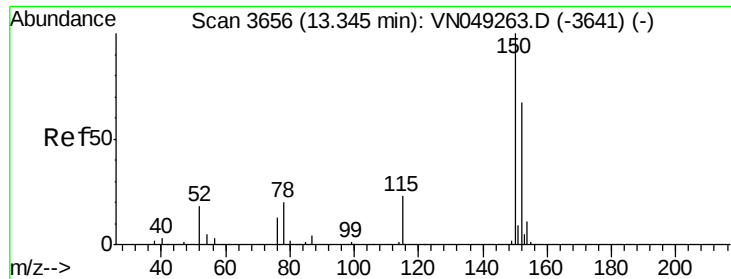
Tot Ion:117 Resp: 1703459
Ion Ratio Lower Upper
117 100
82 54.5 45.9 68.9
119 32.4 25.5 38.3



#65
Chlorobenzene
Concen: 0.79 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Tgt Ion:112 Resp: 34679
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.4



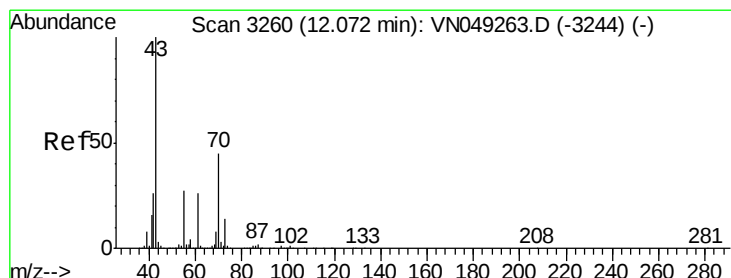
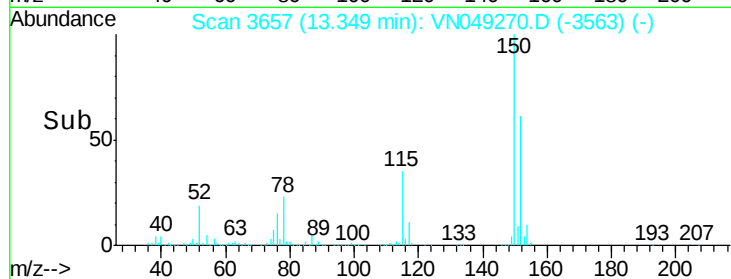
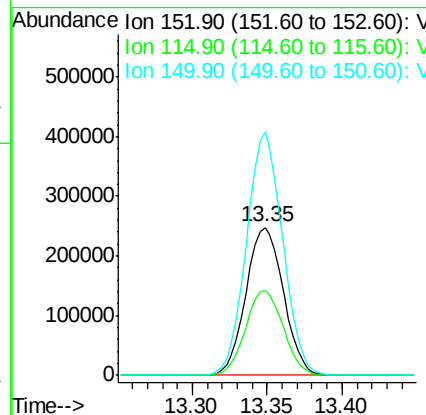
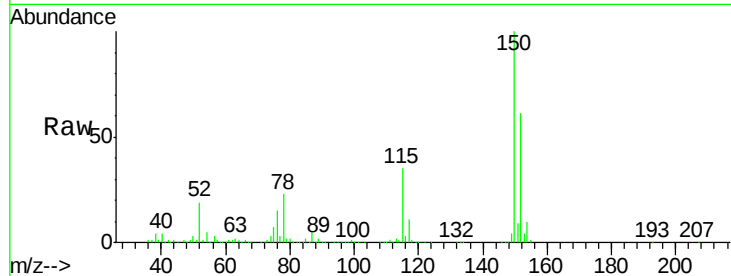


#72

1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Instrument :
MSVOA_N
ClientSampled :

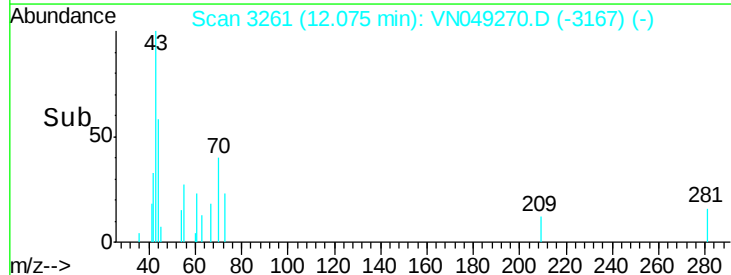
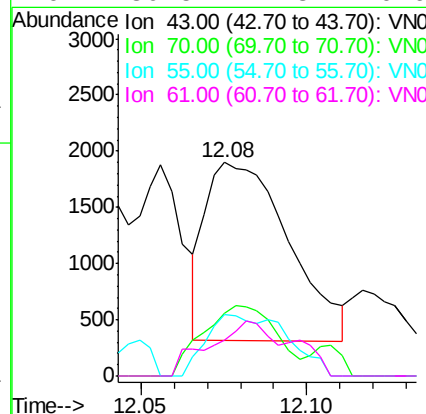
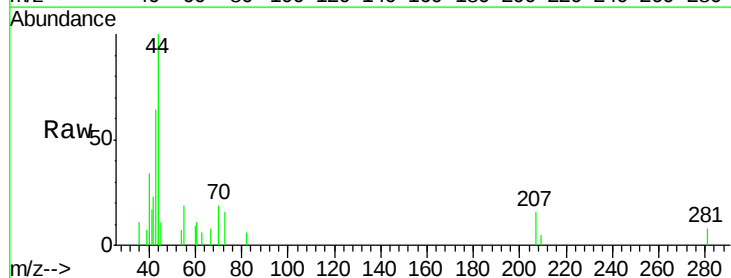
Tot Ion:152 Resp: 432217
Ion Ratio Lower Upper
152 100
115 57.4 28.7 86.1
150 158.8 0.0 351.0

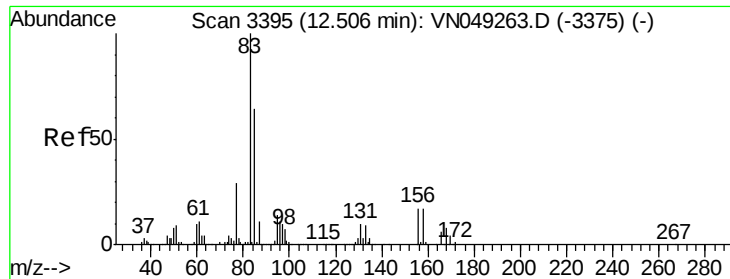


#74

N-ethyl acetate
Concen: 0.30 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Tgt Ion: 43 Resp: 2755
Ion Ratio Lower Upper
43 100
70 34.9 30.3 45.5
55 33.5 19.4 29.2#
61 30.5 17.8 26.6#





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

ClientSampleId :

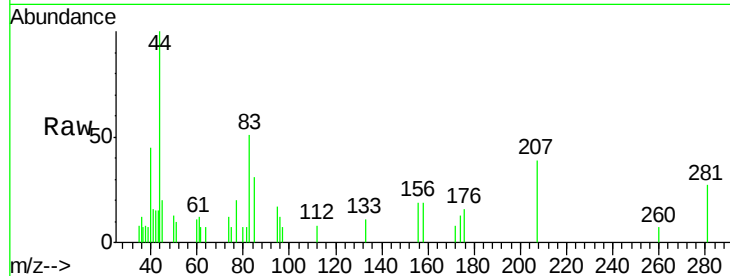
Tot Ion: 83 Resp: 1706

Ion Ratio Lower Upper

83 100

131 1.9 5.0 15.0#

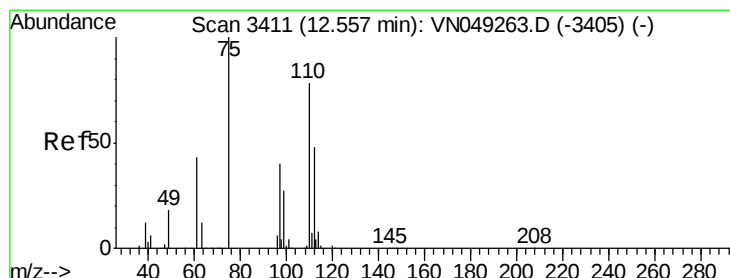
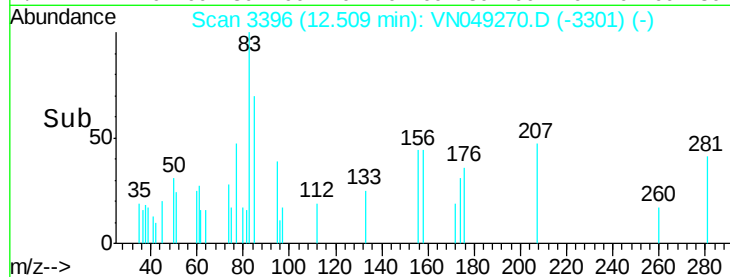
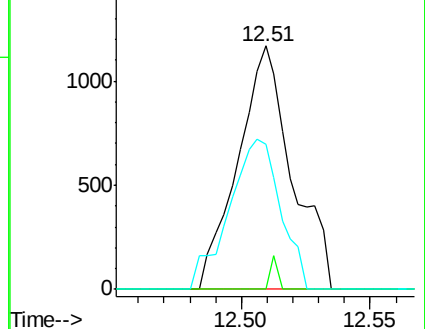
85 58.7 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 45.09 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. -0.15 min

Lab File: VN049270.D

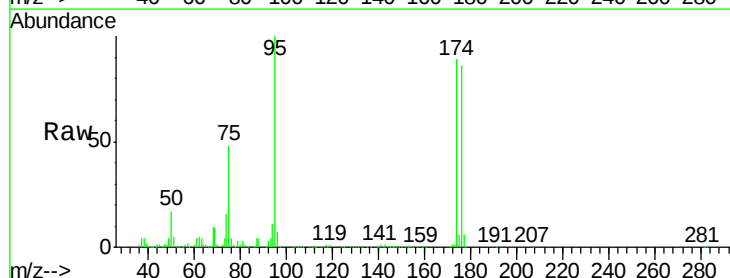
Acq: 15 Jun 2018 20:08

Tgt Ion: 75 Resp: 332522

Ion Ratio Lower Upper

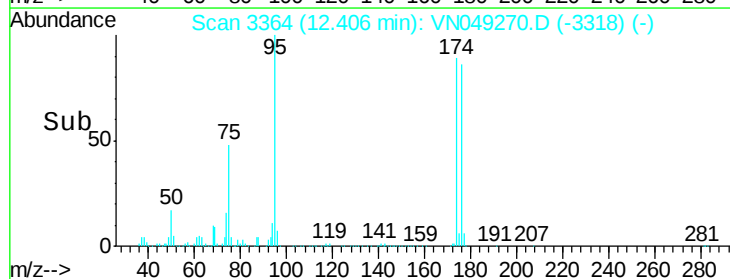
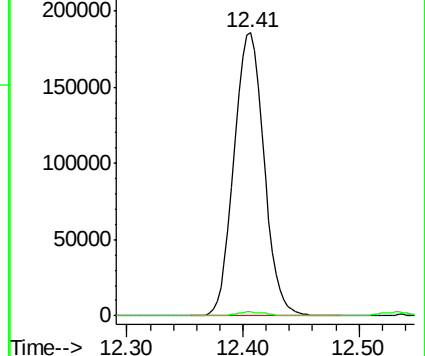
75 100

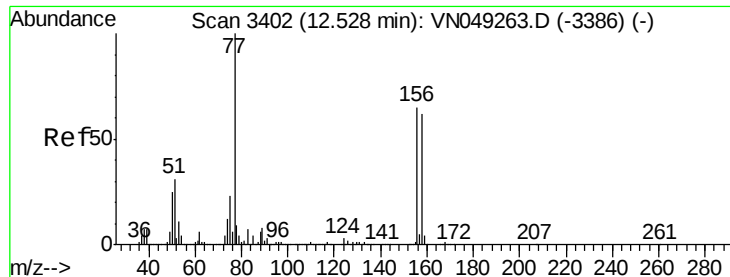
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 0.32 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

ClientSampleId :

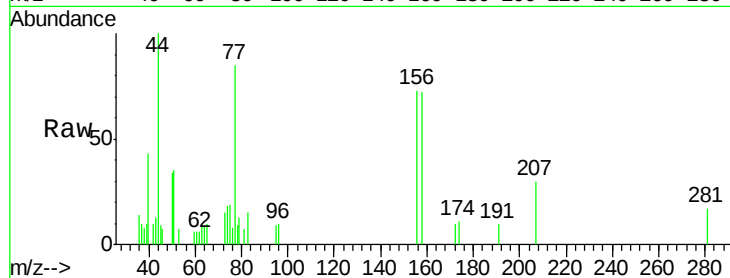
Tot Ion:156 Resp: 3230

Ion Ratio Lower Upper

156 100

77 162.8 100.8 302.4

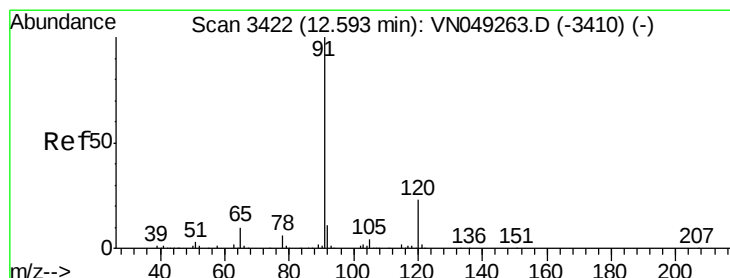
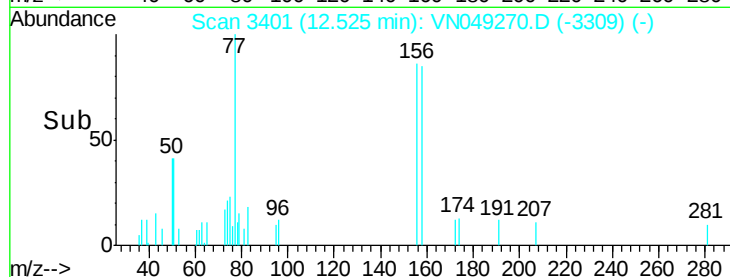
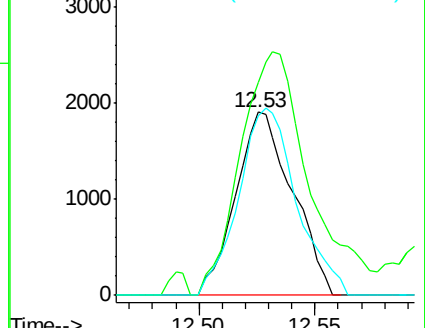
158 105.0 49.3 147.9



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: 0.21 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049270.D

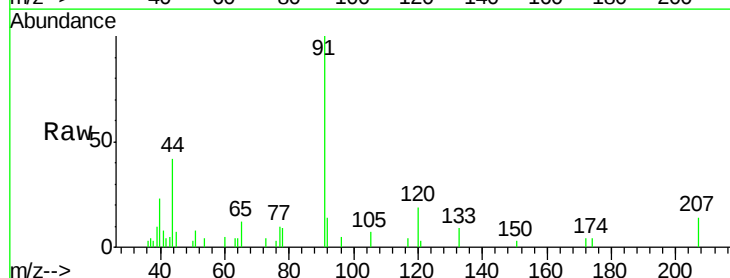
Acq: 15 Jun 2018 20:08

Tgt Ion: 91 Resp: 8583

Ion Ratio Lower Upper

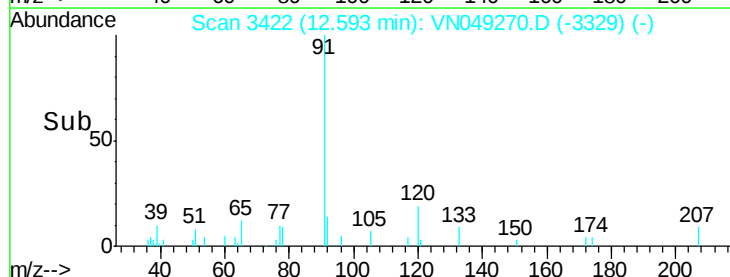
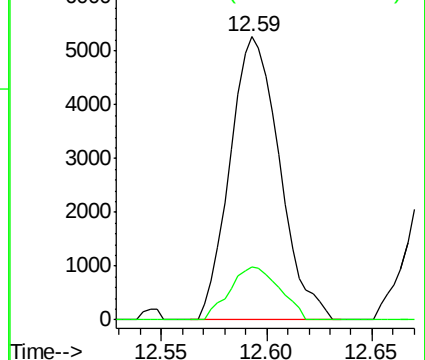
91 100

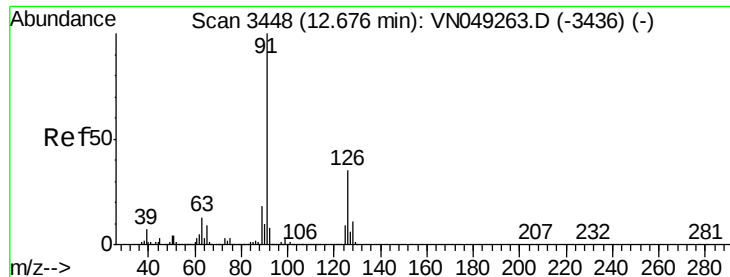
120 18.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

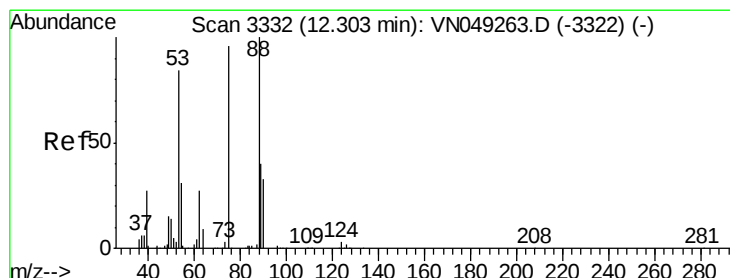
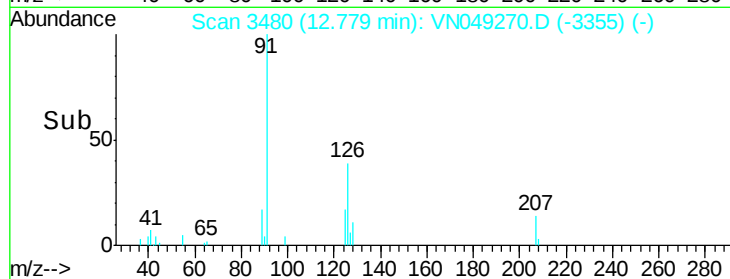
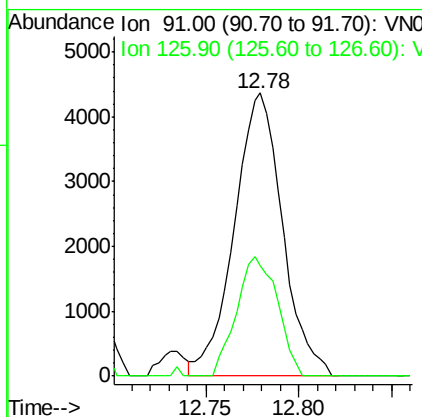
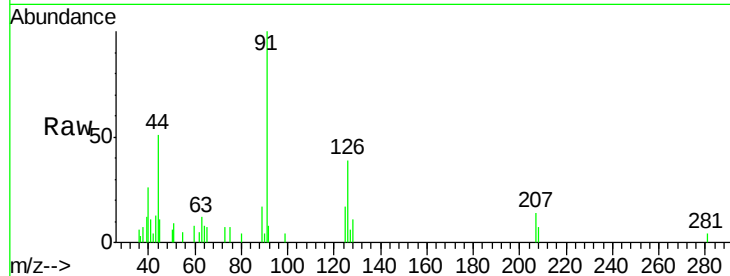




#79
 2-Chlorotoluene
 Concen: 0.30 ug/l
 RT: 12.78 min Scan# 3480
 Delta R.T. 0.10 min
 Lab File: VN049270.D
 Acq: 15 Jun 2018 20:08

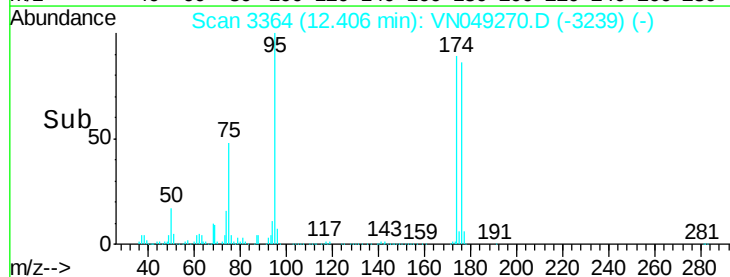
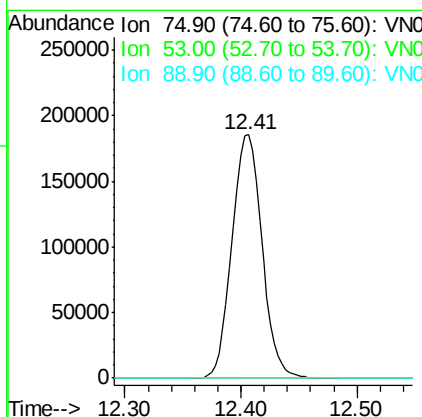
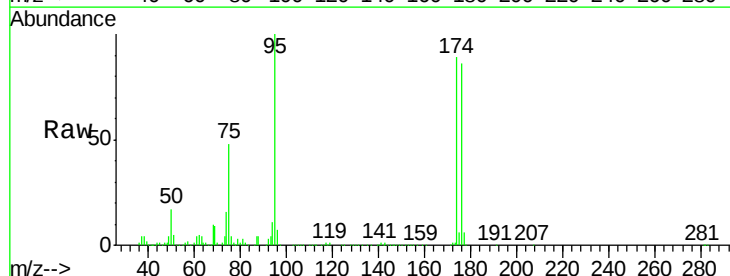
Instrument :
 MSVOA_N
 ClientSampled :

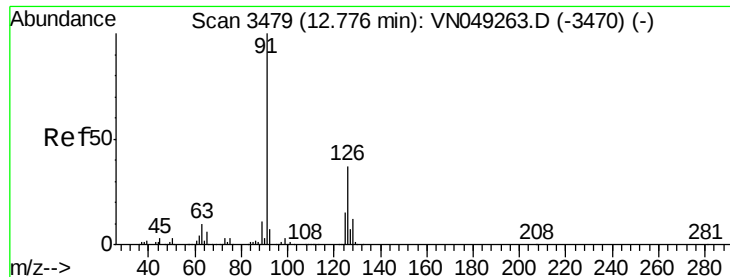
Tot Ion: 91 Resp: 7905
 Ion Ratio Lower Upper
 91 100
 126 35.8 16.6 49.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 142.51 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.10 min
 Lab File: VN049270.D
 Acq: 15 Jun 2018 20:08

Tgt Ion: 75 Resp: 332522
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.7 124.1#
 89 0.0 36.5 54.7#





#82

4-Chlorotoluene

Concen: 0.31 ug/l

RT: 12.78 min Scan# 3480

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

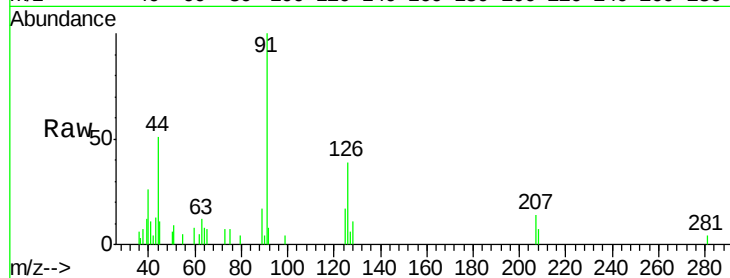
ClientSampleId :

Tot Ion: 91 Resp: 7905

Ion Ratio Lower Upper

91 100

126 35.8 16.4 49.1

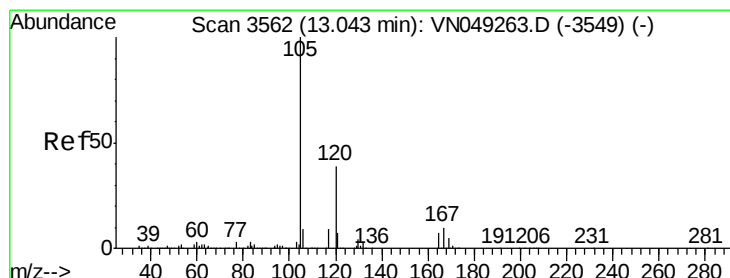
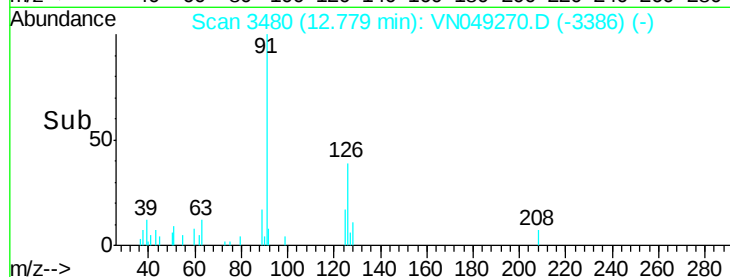


Abundance Ion 91.00 (90.70 to 91.70): VN049263.D (-3470) (-)

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

12.78

Time-->



#84

1,2,4-Trimethylbenzene

Concen: 0.20 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. -0.00 min

Lab File: VN049270.D

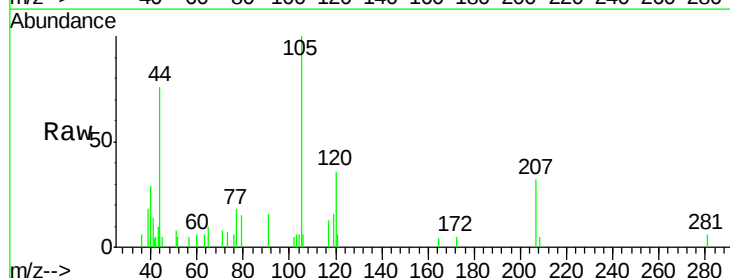
Acq: 15 Jun 2018 20:08

Tgt Ion: 105 Resp: 6017

Ion Ratio Lower Upper

105 100

120 37.8 22.2 66.6

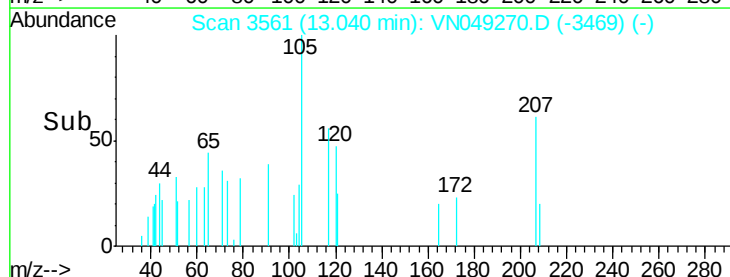


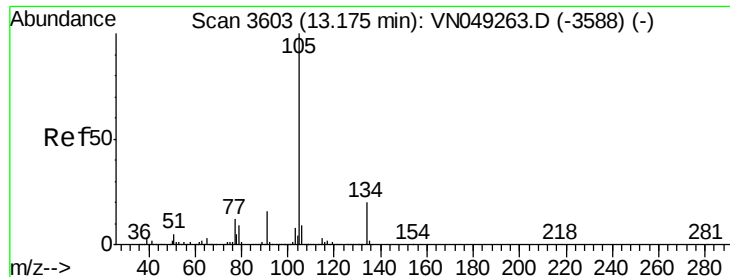
Abundance Ion 105.00 (104.70 to 105.70): VN049263.D (-3549) (-)

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

13.04

Time-->





#85

sec-Butylbenzene

Concen: 0.24 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

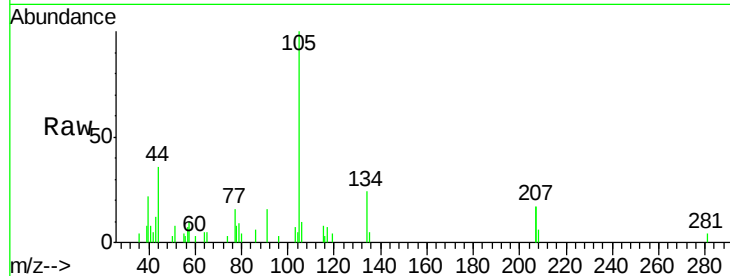
ClientSampleId :

Tot Ion:105 Resp: 8563

Ion Ratio Lower Upper

105 100

134 20.7 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

6000

5000

4000

3000

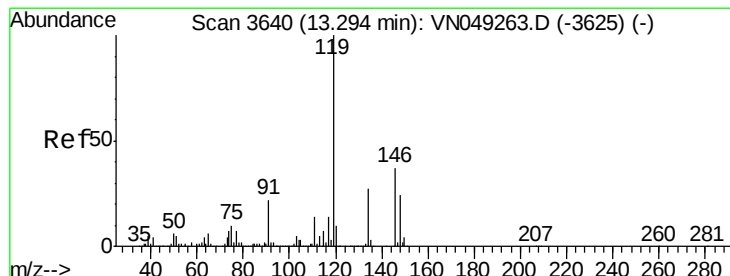
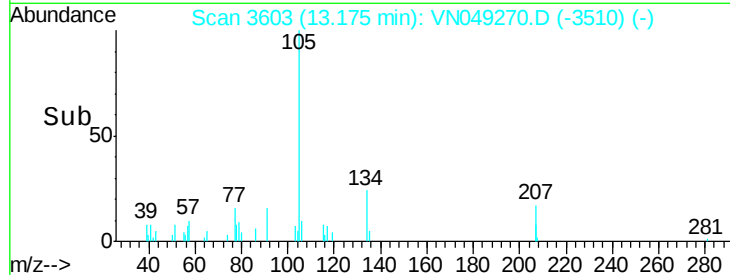
2000

1000

0

Time-->

13.15 13.20



#86

p-Isopropyltoluene

Concen: 0.22 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

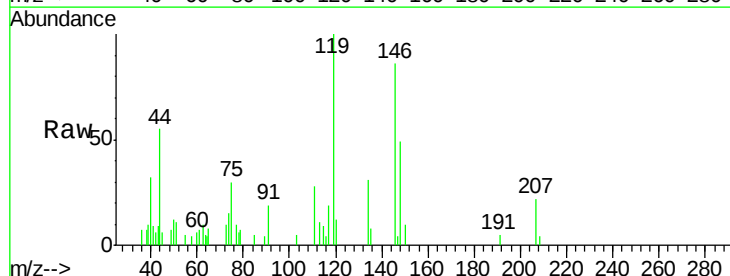
Tgt Ion:119 Resp: 6506

Ion Ratio Lower Upper

119 100

134 28.2 12.9 38.6

91 24.8 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

5000

4000

3000

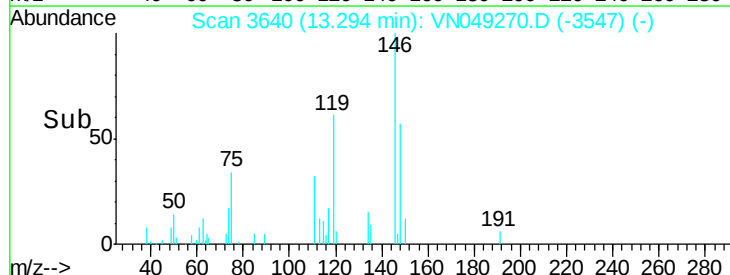
2000

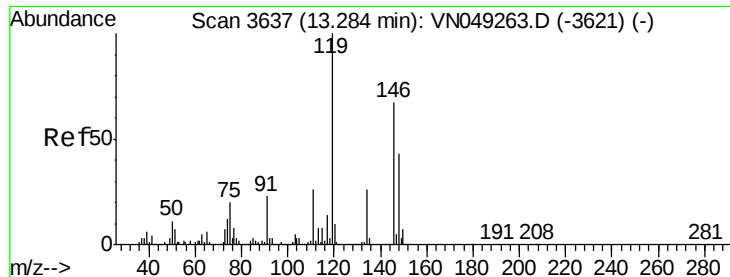
1000

0

Time-->

13.25 13.30 13.35

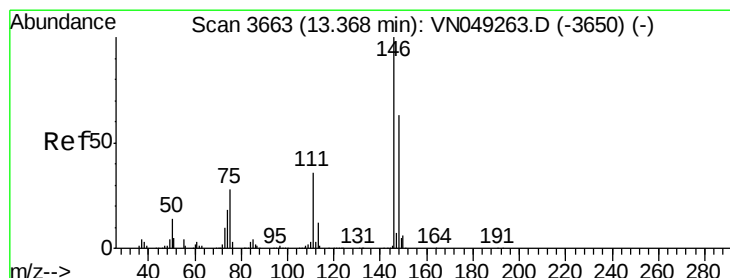
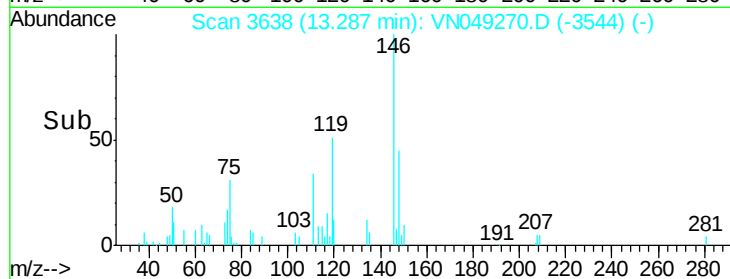
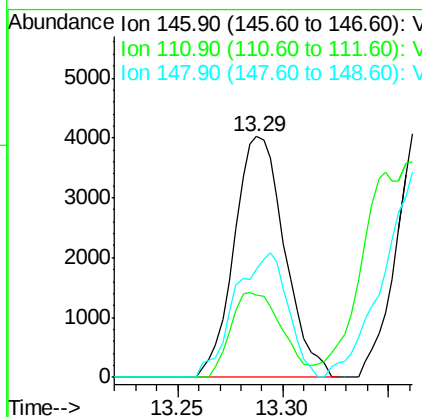
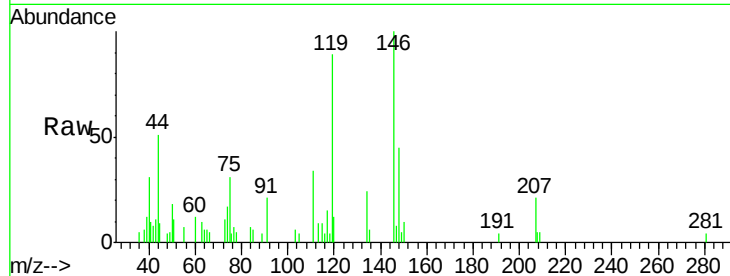




#87
 1,3-Dichlorobenzene
 Concen: 0.40 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049270.D
 Acq: 15 Jun 2018 20:08

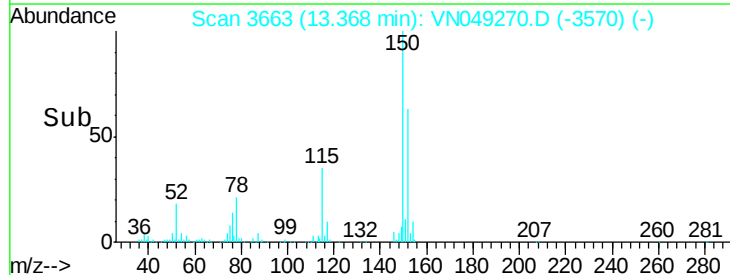
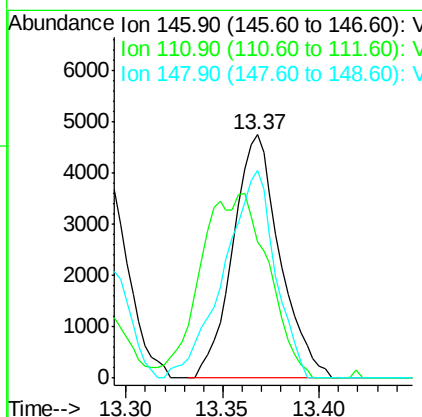
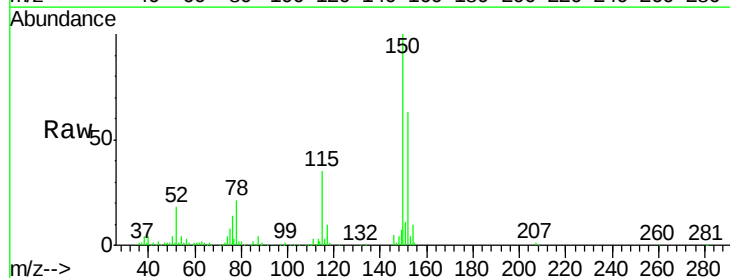
Instrument :
 MSVOA_N
 ClientSampled :

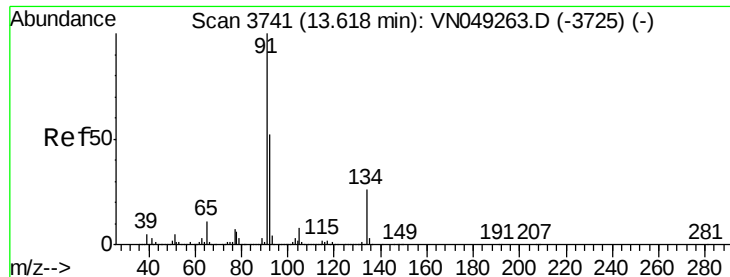
Tot Ion:146 Resp: 6676
 Ion Ratio Lower Upper
 146 100
 111 35.7 19.9 59.6
 148 54.3 32.1 96.5



#88
 1,4-Dichlorobenzene
 Concen: 0.49 ug/l
 RT: 13.37 min Scan# 3663
 Delta R.T. 0.00 min
 Lab File: VN049270.D
 Acq: 15 Jun 2018 20:08

Tgt Ion:146 Resp: 8010
 Ion Ratio Lower Upper
 146 100
 111 42.1 19.1 57.1
 148 92.6 32.0 96.2

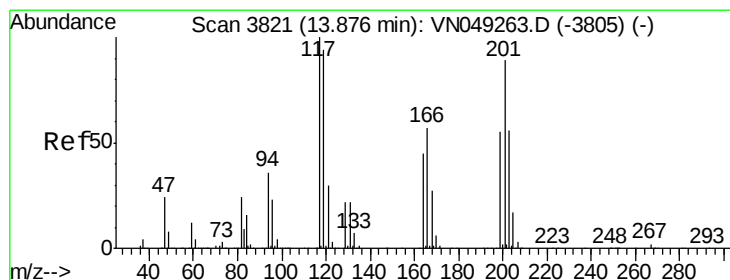
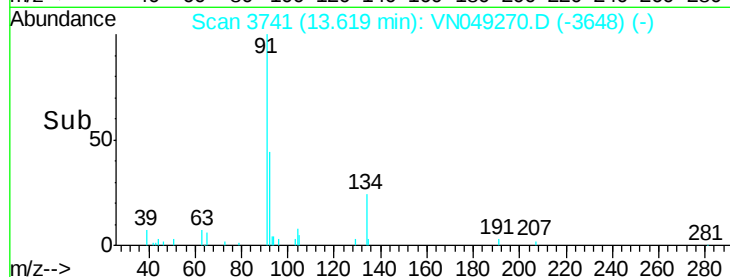
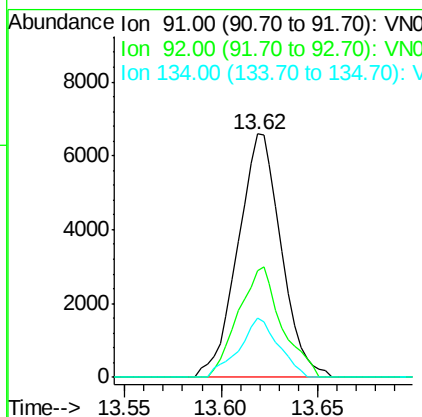
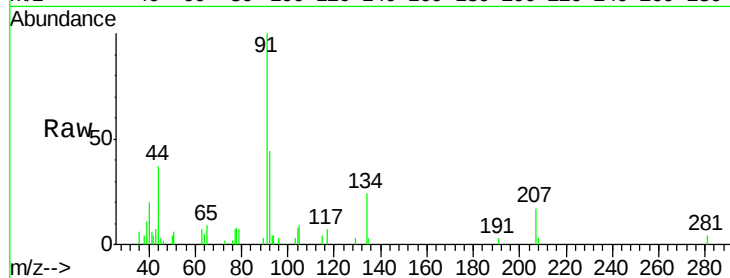




#89
n-Butylbenzene
Concen: 0.45 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

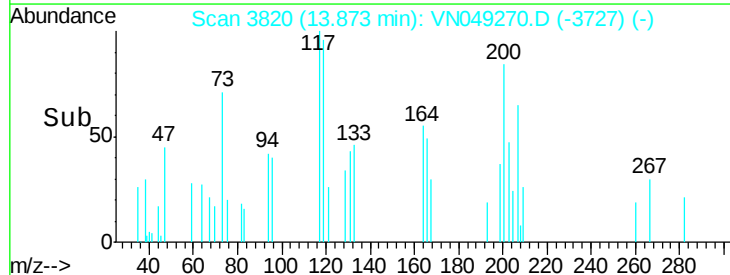
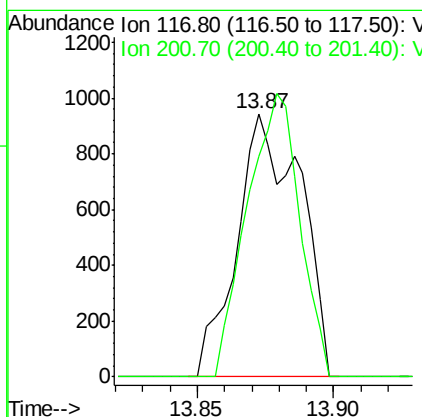
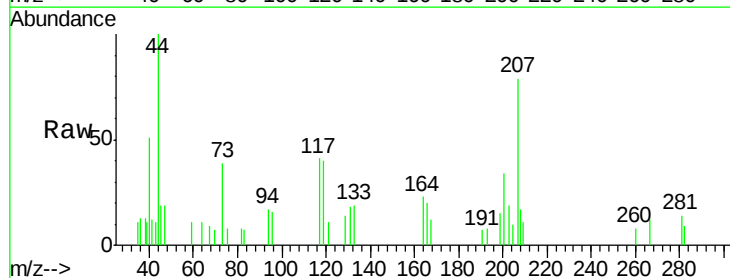
Instrument :
MSVOA_N
ClientSampleId :

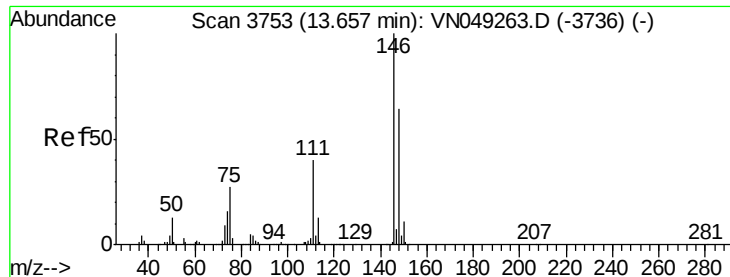
Tot Ion: 91 Resp: 10270
Ion Ratio Lower Upper
91 100
92 45.4 25.1 75.4
134 22.1 12.0 36.0



#90
Hexachloroethane
Concen: Below Cal
RT: 13.87 min Scan# 3820
Delta R.T. -0.00 min
Lab File: VN049270.D
Acq: 15 Jun 2018 20:08

Tgt Ion: 117 Resp: 1525
Ion Ratio Lower Upper
117 100
201 89.0 40.1 120.2





#91

1,2-Dichlorobenzene

Concen: 0.41 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

ClientSampled :

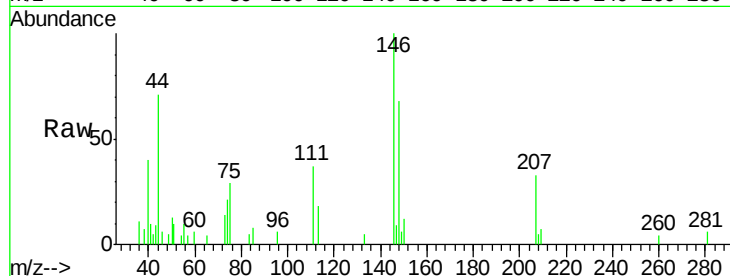
Tot Ion:146 Resp: 6582

Ion Ratio Lower Upper

146 100

111 34.3 20.8 62.2

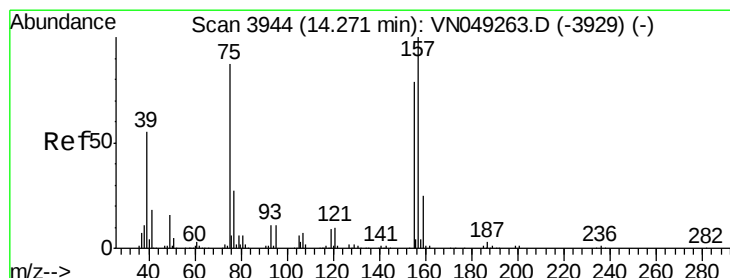
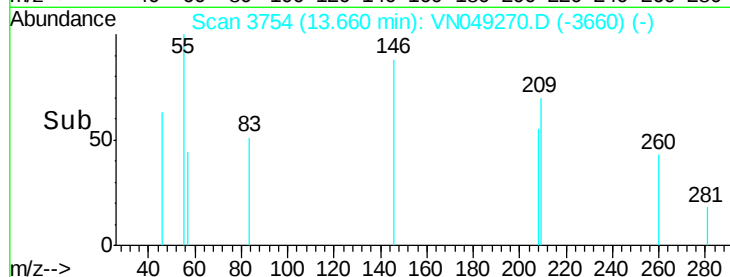
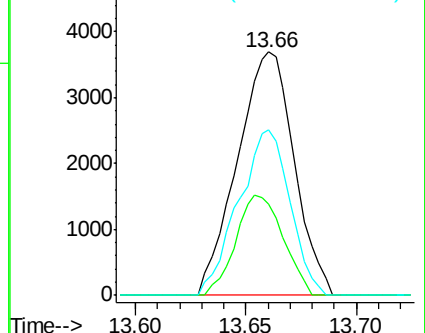
148 61.8 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.05 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

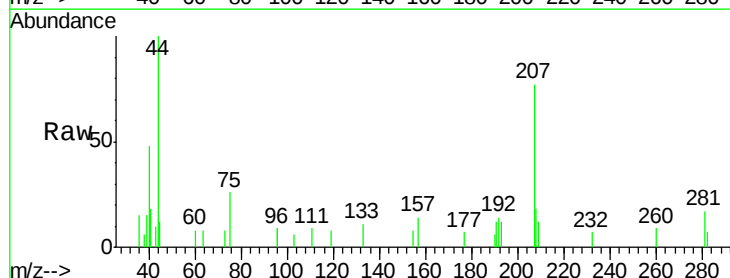
Tgt Ion: 75 Resp: 1383

Ion Ratio Lower Upper

75 100

155 23.0 38.8 116.3#

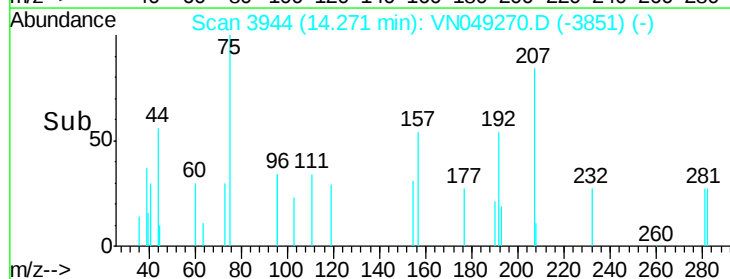
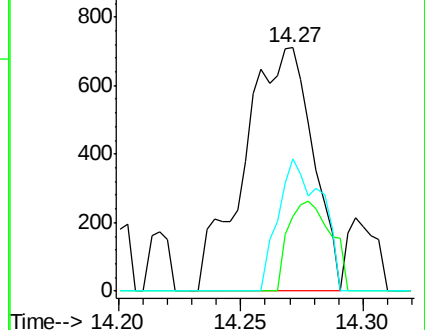
157 34.0 51.0 153.1#

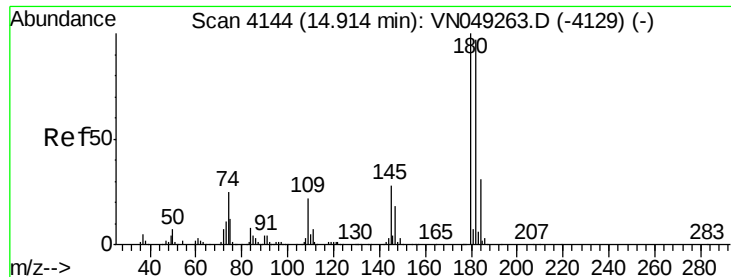


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

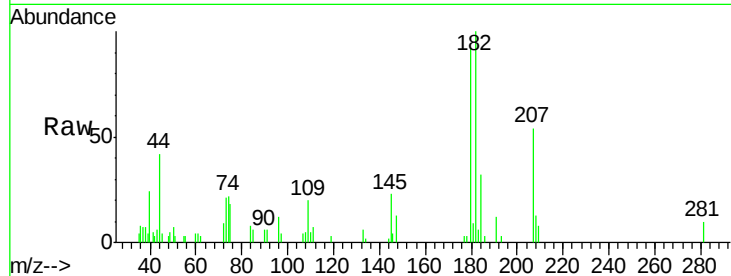




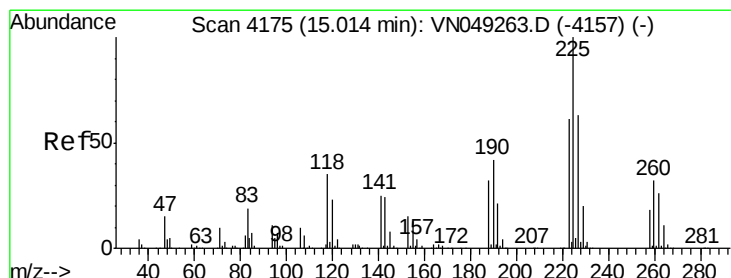
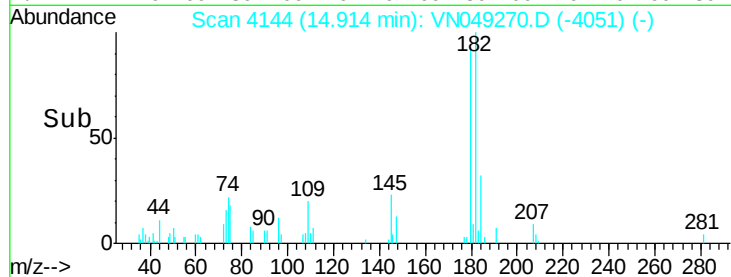
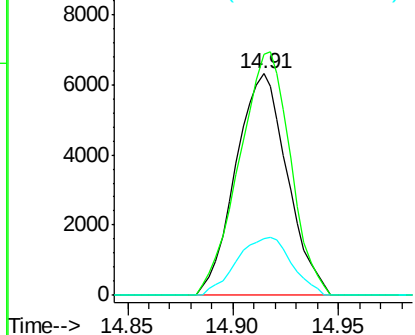
#93
 1,2,4-Trichlorobenzene
 Concen: 6.05 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049270.D
 Acq: 15 Jun 2018 20:08

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 10716
 Ion Ratio Lower Upper
 180 100
 182 108.9 46.9 140.8
 145 27.9 14.7 44.1

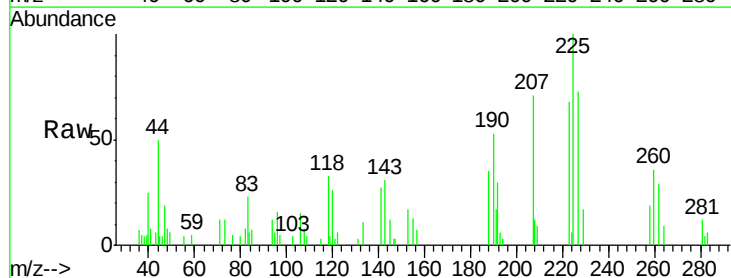


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

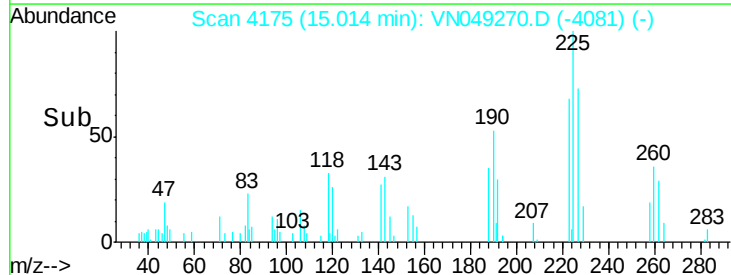
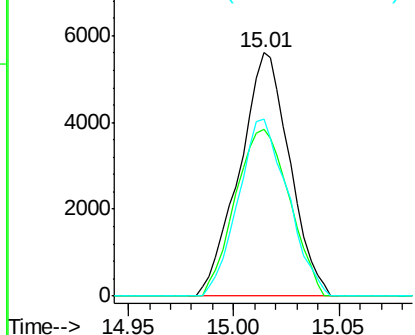


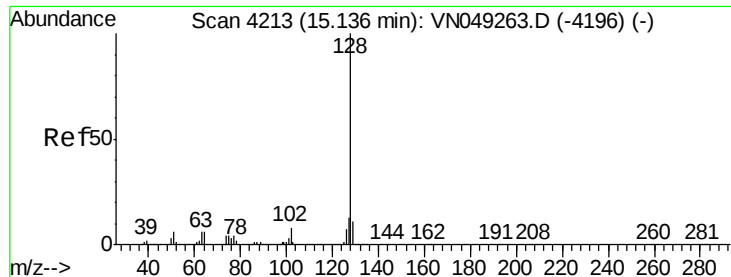
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049270.D
 Acq: 15 Jun 2018 20:08

Tgt Ion:225 Resp: 9264
 Ion Ratio Lower Upper
 225 100
 223 73.8 32.1 96.3
 227 71.9 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 3.75 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

Instrument :

MSVOA_N

ClientSampleId :

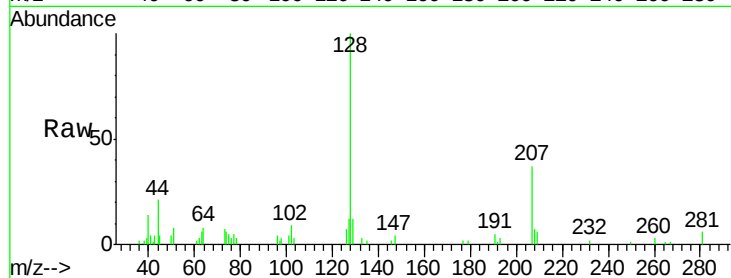
Tot Ion:128 Resp: 20081

Ion Ratio Lower Upper

128 100

127 13.1 10.6 16.0

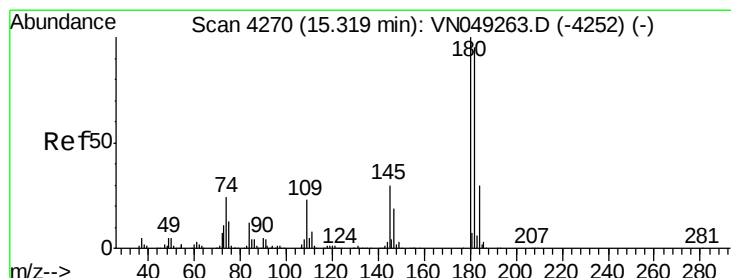
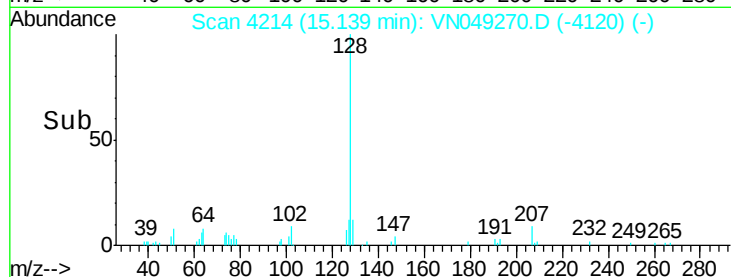
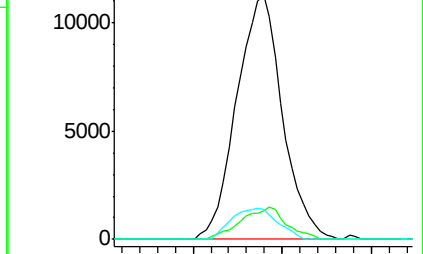
129 12.8 8.5 12.7#



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: 4.80 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049270.D

Acq: 15 Jun 2018 20:08

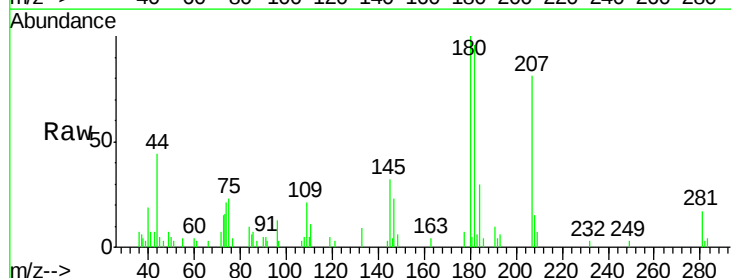
Tgt Ion:180 Resp: 10429

Ion Ratio Lower Upper

180 100

182 100.3 47.3 141.8

145 33.0 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

