

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049364.D
 Acq On : 19 Jun 2018 1:06
 Operator : MD\SY
 Sample : J3244-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 03:58:51 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	1268848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1948521	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1646488	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	608280	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	840377	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	7.59	113	728085	46.19	ug/l	0.00
Spiked Amount			Recovery	=	92.38%	
50) Toluene-d8	10.09	98	2712070	45.18	ug/l	0.00
Spiked Amount			Recovery	=	90.36%	
62) 4-Bromofluorobenzene	12.40	95	747767	37.68	ug/l	0.00
Spiked Amount			Recovery	=	75.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	4748	0.25	ug/l	96
5) Bromomethane	2.57	94	7302	0.69	ug/l	87
10) Methyl Iodide	3.96	142	5460	0.33	ug/l	92
13) Acrolein	3.61	56	783	0.76	ug/l #	61
14) Allyl chloride	4.55	41	192832	8.39	ug/l #	20
15) Acrylonitrile	5.00	53	1516	0.31	ug/l #	47
16) Acetone	3.82	43	109325	26.75	ug/l	95
17) Carbon Disulfide	4.04	76	14321	0.31	ug/l #	91
18) Methyl Acetate	4.33	43	86017	6.90	ug/l	93
20) Methylene Chloride	4.55	84	5641517	330.57	ug/l	91
25) 2-Butanone	6.86	43	11134	2.03	ug/l	93
28) Bromochloromethane	7.21	49	2847	0.22	ug/l #	94
29) Tetrahydrofuran	7.22	42	2886	0.82	ug/l #	75
30) Chloroform	7.37	83	28307	0.97	ug/l	91
31) Cyclohexane	7.66	56	23667	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	87239	3.91	ug/l #	51
37) Ethyl Acetate	6.86	43	11134	0.92	ug/l #	70
38) Carbon Tetrachloride	7.67	117	112868	4.88	ug/l #	17
43) Isopropyl Acetate	8.28	43	259652	11.19	ug/l #	64
47) Bromodichloromethane	9.40	83	9826	0.43	ug/l #	84
49) 1,4-Dioxane	9.21	88	517	3.43	ug/l #	37
51) 4-Methyl-2-Pentanone	9.99	43	9749	0.80	ug/l	90
52) Toluene	10.16	92	15433	0.38	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	186	14.35	ug/l #	51
59) 2-Hexanone	10.77	43	6060	0.77	ug/l	98
65) Chlorobenzene	11.44	112	16573	0.39	ug/l	94
67) Ethyl Benzene	11.51	91	17277	0.25	ug/l	96
68) m/p-Xylenes	11.62	106	14370	0.54	ug/l	93
69) o-Xylene	11.95	106	7267	0.29	ug/l	82
73) Isopropylbenzene	12.26	105	17735	0.33	ug/l	99
74) N-amyl acetate	12.08	43	2699	0.21	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.50	83	1790	Below Cal	#	49
76) 1,2,3-Trichloropropane	12.40	75	359845	34.67	ug/l #	100
78) n-propylbenzene	12.59	91	41397	0.71	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

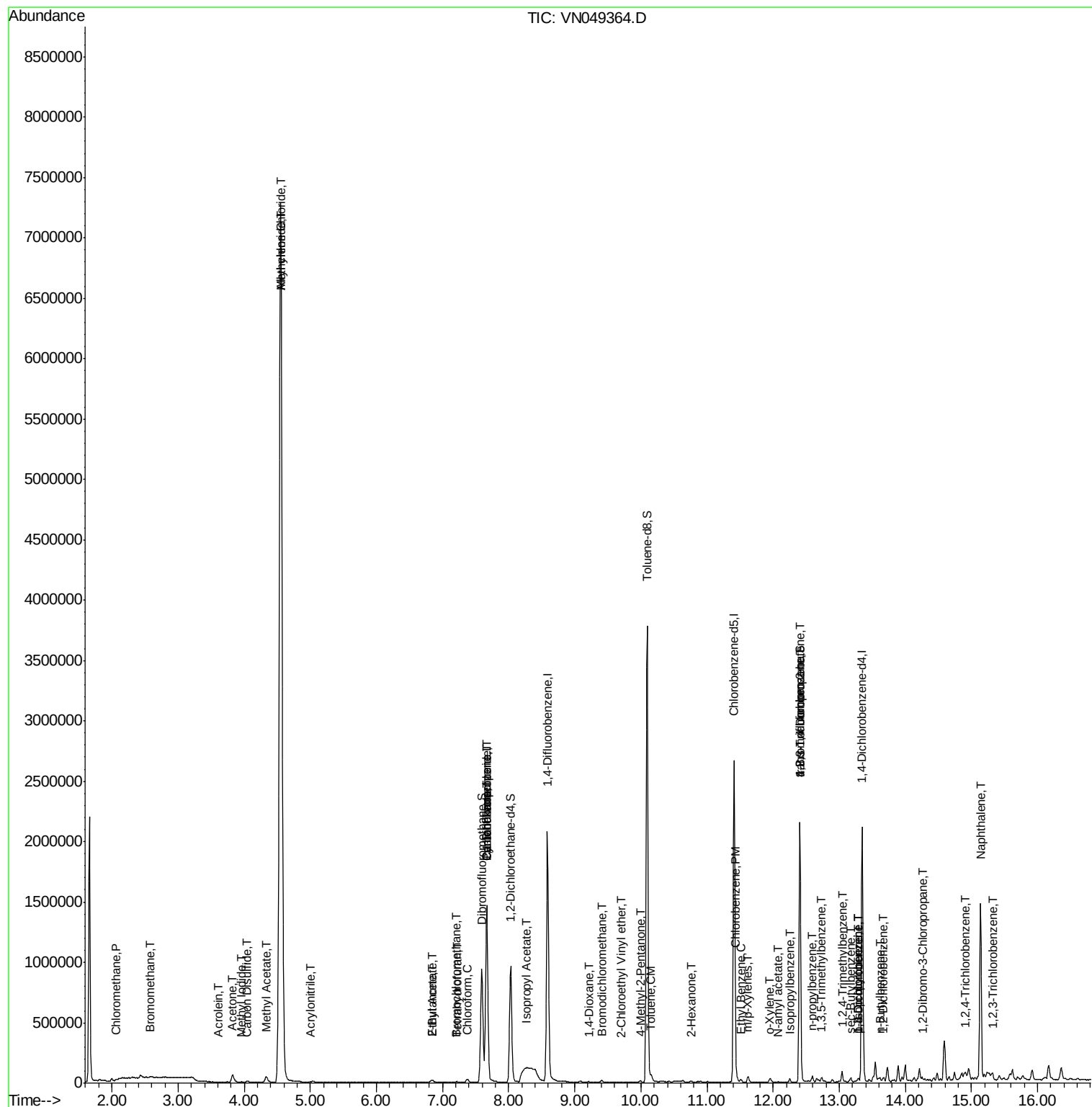
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
80) 1,3,5-Trimethylbenzene	12.73	105	17418	0.41	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	359845	109.58	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.04	105	48826	1.17	ug/l	99
85) sec-Butylbenzene	13.18	105	21625	0.44	ug/l	82
86) p-Isopropyltoluene	13.29	119	10272	0.25	ug/l	94
87) 1,3-Dichlorobenzene	13.28	146	5867	0.25	ug/l	90
88) 1,4-Dichlorobenzene	13.28	146	5867	0.26	ug/l	89
89) n-Butylbenzene	13.62	91	19654	0.61	ug/l	95
90) Hexachloroethane	13.90	117	8677	Below Cal	#	13
91) 1,2-Dichlorobenzene	13.66	146	6255	0.27	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1006	0.54	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.91	180	14126	5.97	ug/l #	71
94) Hexachlorobutadiene	15.01	225	4631	Below Cal		92
95) Naphthalene	15.14	128	1275391	65.51	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	16256	4.94	ug/l #	65

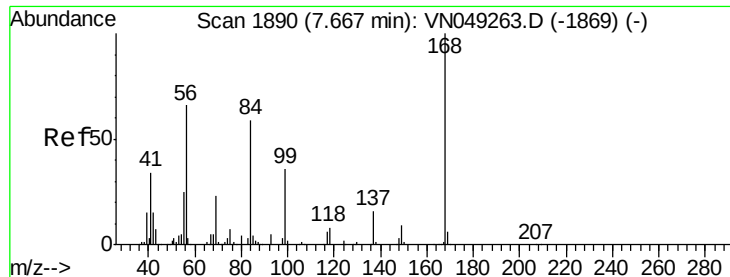
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

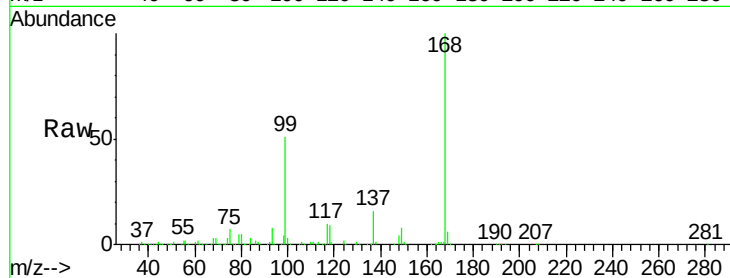
ClientSampleId :

Tot Ion:168 Resp: 1268848

Ion Ratio Lower Upper

168 100

99 51.1 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

600000

500000

400000

300000

200000

100000

0

Time-->

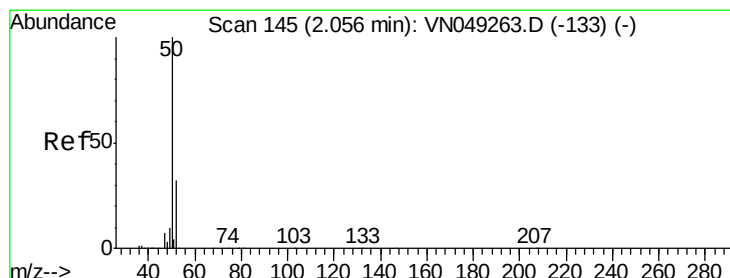
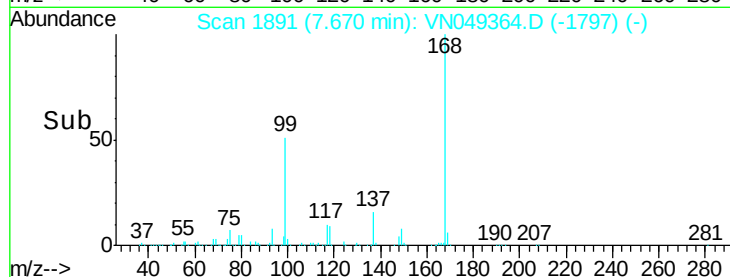
7.50

7.60

7.70

7.80

7.90



#3

Chloromethane

Concen: 0.25 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049364.D

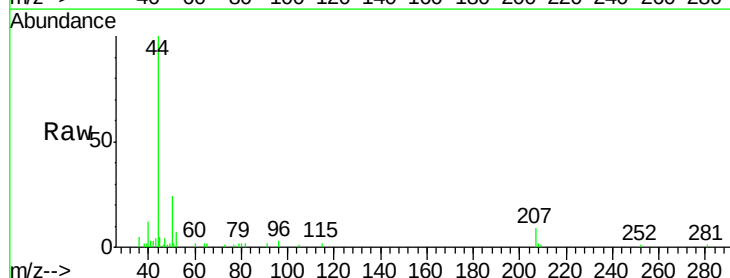
Acq: 19 Jun 2018 1:06

Tgt Ion: 50 Resp: 4748

Ion Ratio Lower Upper

50 100

52 29.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

4000

3000

2000

1000

0

Time-->

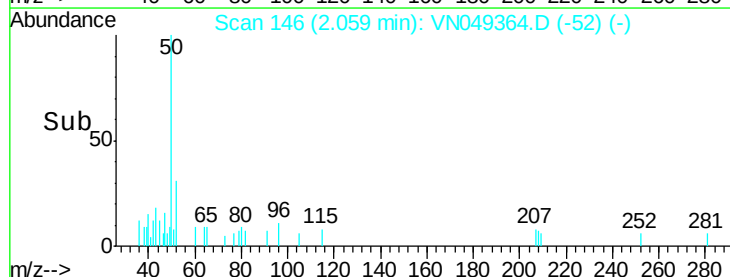
2.02

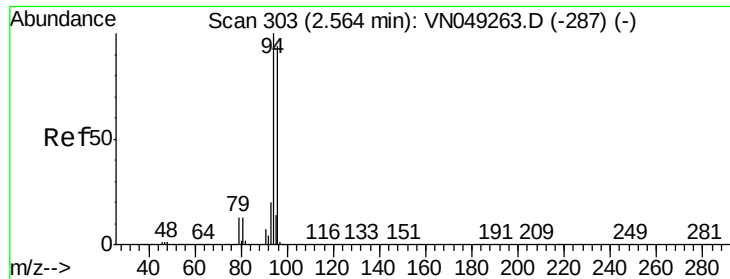
2.04

2.06

2.08

2.10





#5

Bromomethane

Concen: 0.69 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

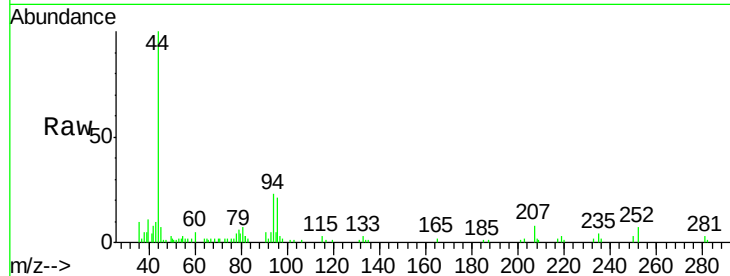
ClientSampled :

Tot Ion: 94 Resp: 7302

Ion Ratio Lower Upper

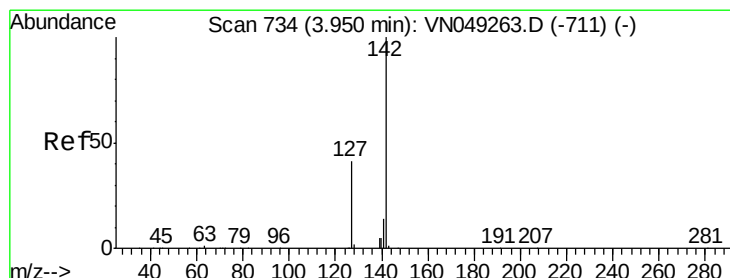
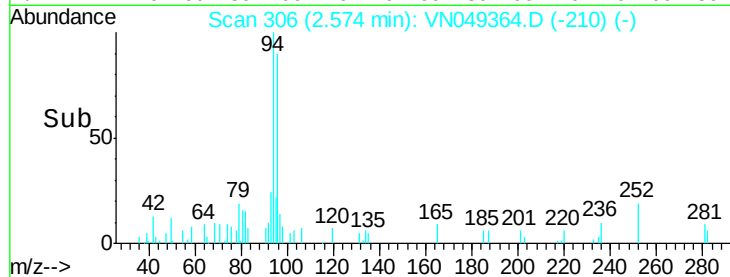
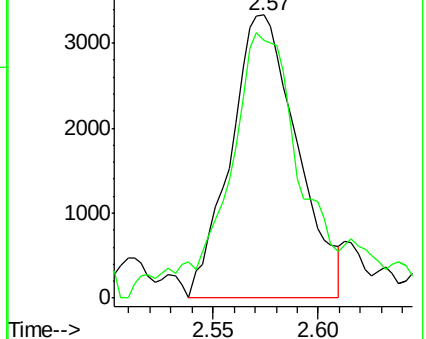
94 100

96 78.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN049263.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN049263.D (-287) (-)



#10

Methyl Iodide

Concen: 0.33 ug/l

RT: 3.96 min Scan# 736

Delta R.T. 0.01 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

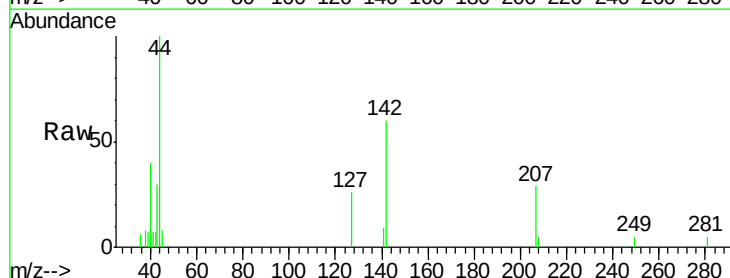
Tgt Ion: 142 Resp: 5460

Ion Ratio Lower Upper

142 100

127 41.2 38.2 57.4

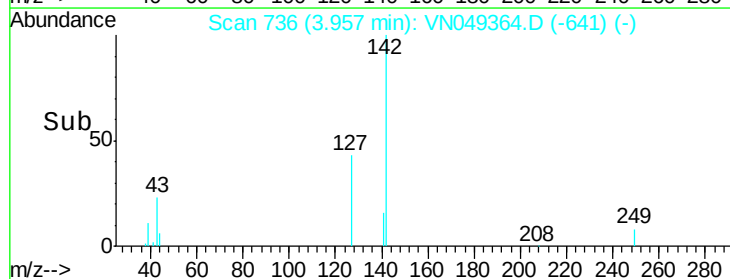
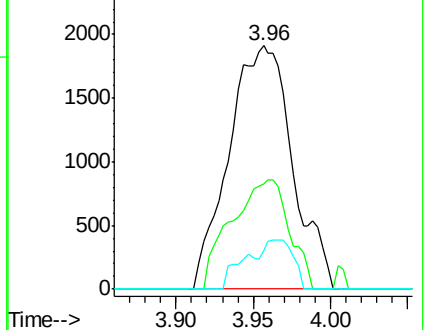
141 14.7 11.9 17.9

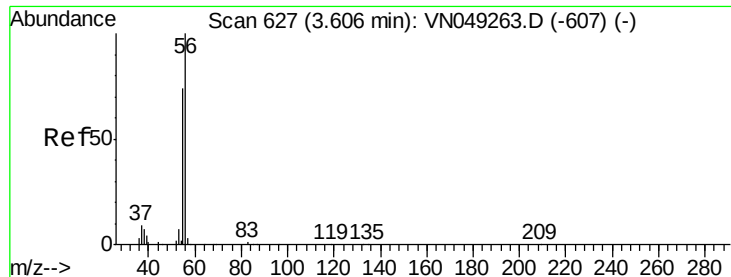


Abundance Ion 141.80 (141.50 to 142.50): VN049263.D (-711) (-)

Ion 126.80 (126.50 to 127.50): VN049263.D (-711) (-)

Ion 140.80 (140.50 to 141.50): VN049263.D (-711) (-)





#13

Acrolein

Concen: 0.76 ug/l

RT: 3.61 min Scan# 627

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

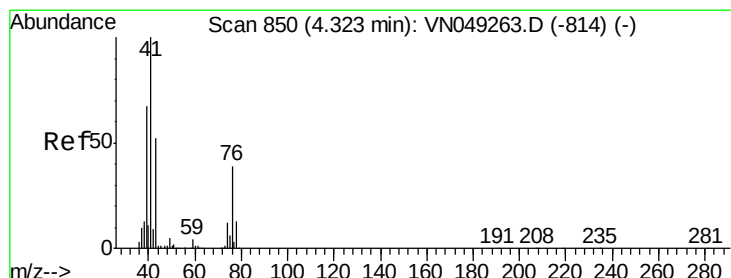
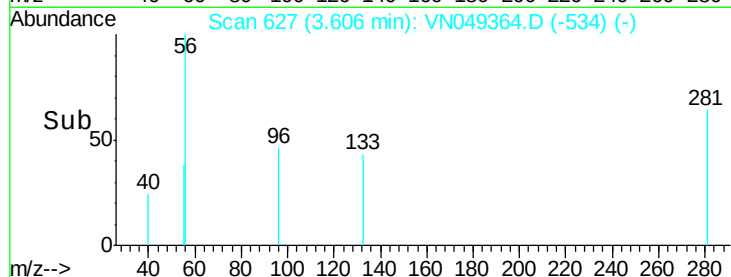
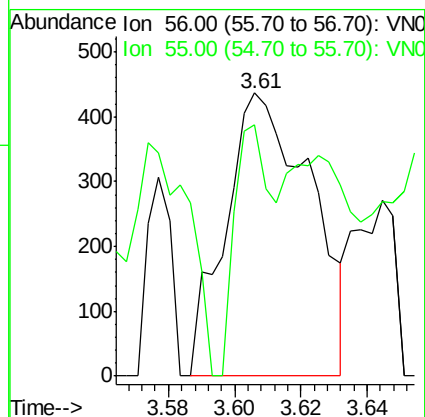
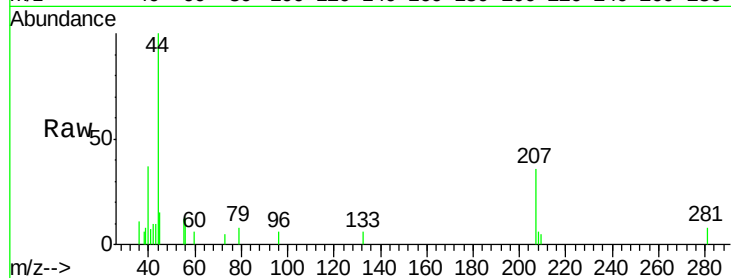
ClientSampled :

Tot Ion: 56 Resp: 783

Ion Ratio Lower Upper

56 100

55 38.8 57.1 85.7#



#14

Allyl chloride

Concen: 8.39 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.23 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

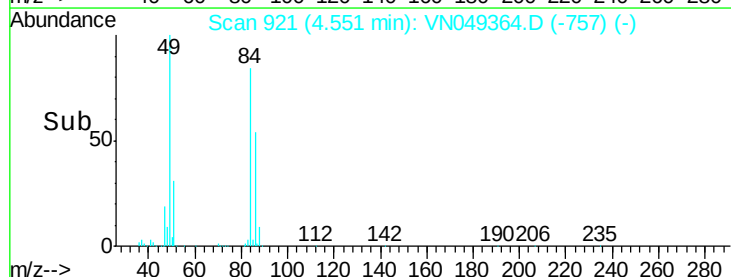
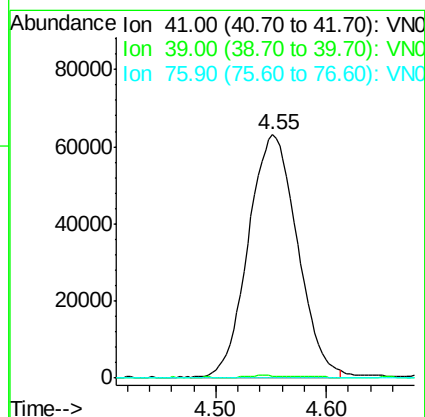
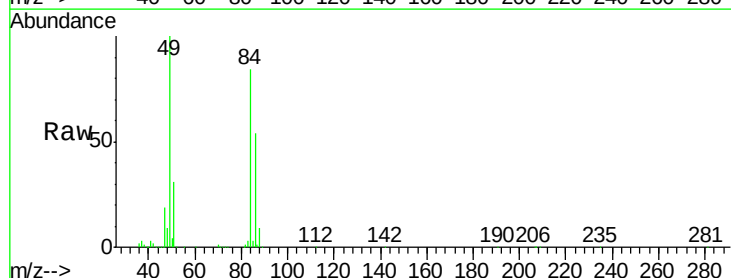
Tgt Ion: 41 Resp: 192832

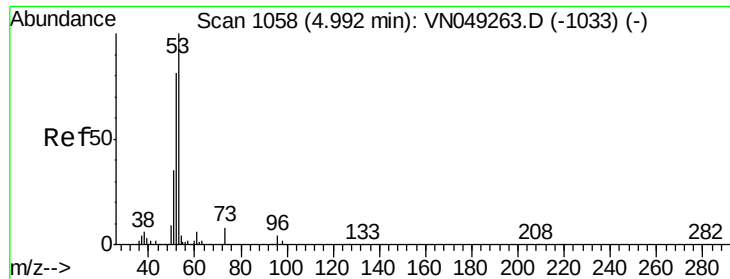
Ion Ratio Lower Upper

41 100

39 0.7 62.5 93.7#

76 0.0 27.1 40.7#

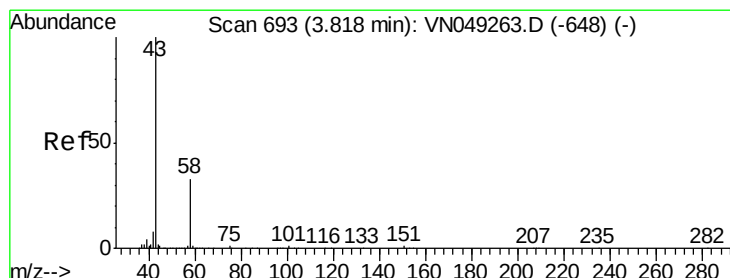
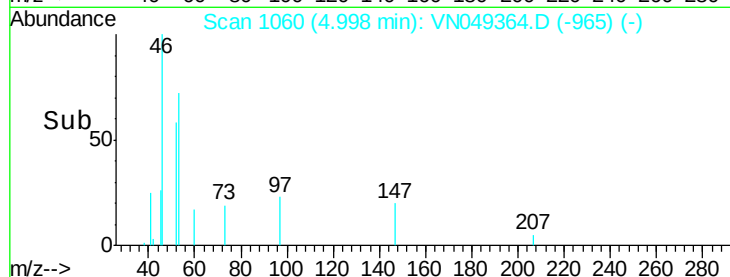
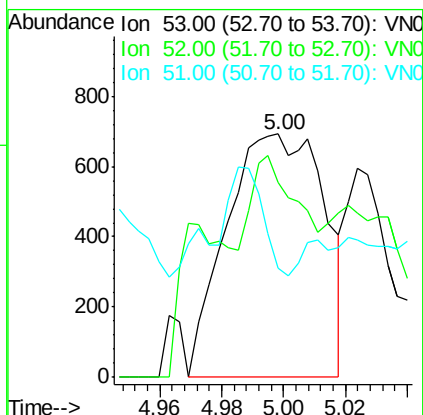
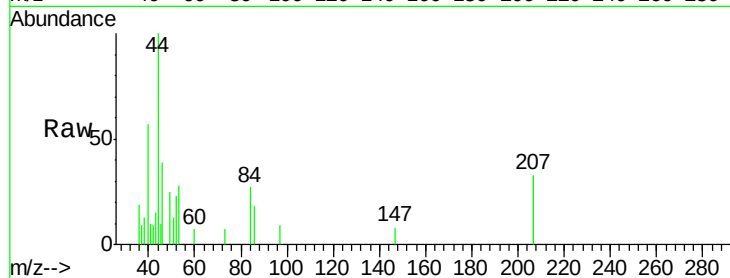




#15
 Acrylonitrile
 Concen: 0.31 ug/l
 RT: 5.00 min Scan# 1060
 Delta R.T. 0.01 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

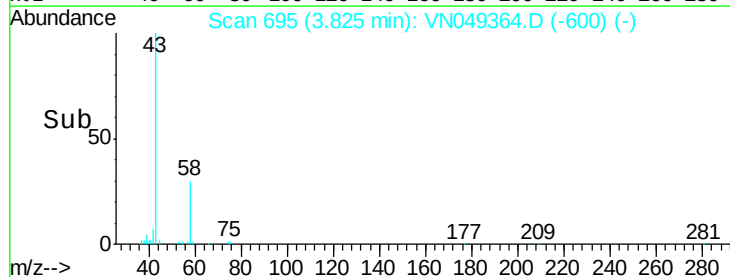
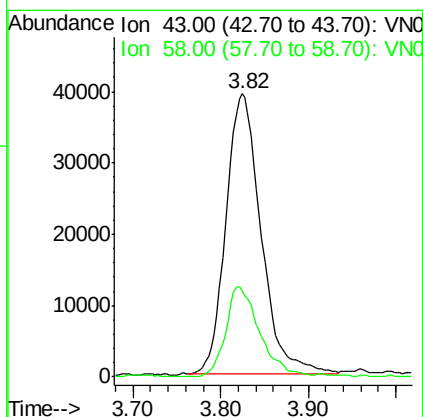
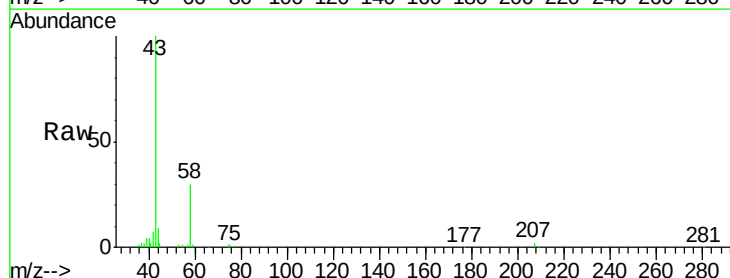
Instrument :
 MSVOA_N
 ClientSampled :

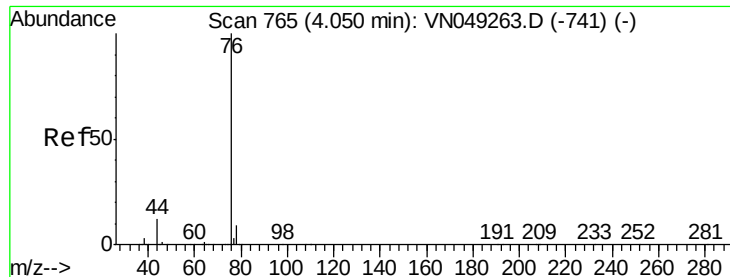
Tot Ion: 53 Resp: 1516
 Ion Ratio Lower Upper
 53 100
 52 24.2 66.6 100.0#
 51 21.4 29.8 44.8#



#16
 Acetone
 Concen: 26.75 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

Tgt Ion: 43 Resp: 109325
 Ion Ratio Lower Upper
 43 100
 58 30.7 22.4 33.6





#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 4.04 min Scan# 763

Delta R.T. -0.01 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

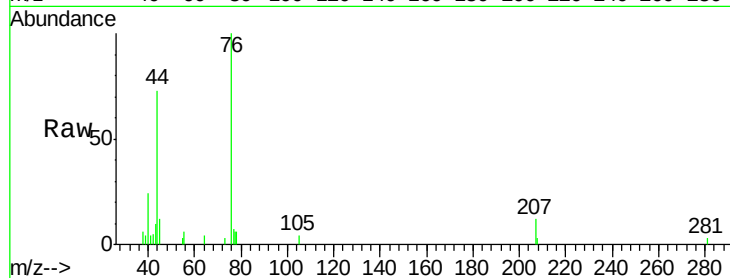
ClientSampled :

Tot Ion: 76 Resp: 14321

Ion Ratio Lower Upper

76 100

78 12.6 7.4 11.0#

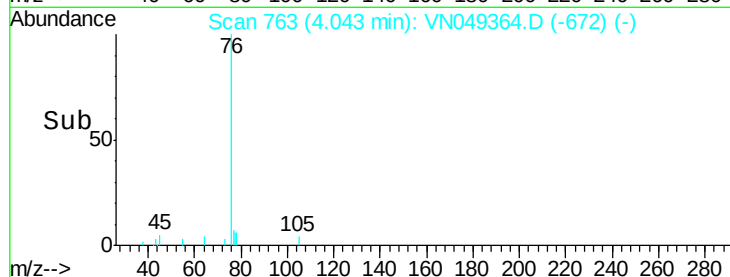


Abundance Ion 75.90 (75.60 to 76.60): VN049263.D (-741) (-)

Ion 77.90 (77.60 to 78.60): VN049263.D (-741) (-)

4.04

Time-->



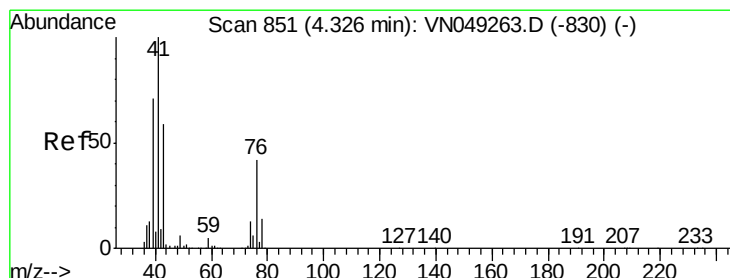
Abundance

Ion 75.90 (75.60 to 76.60): VN049263.D (-741) (-)

Ion 77.90 (77.60 to 78.60): VN049263.D (-741) (-)

4.04

Time-->



#18

Methyl Acetate

Concen: 6.90 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049364.D

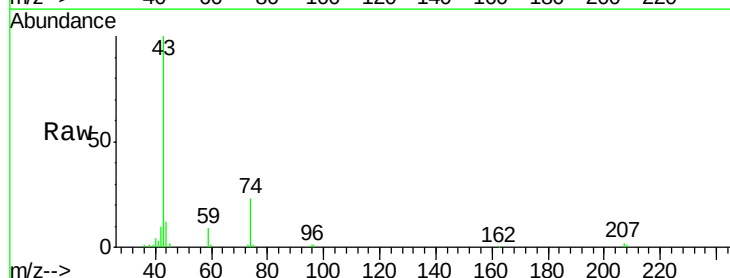
Acq: 19 Jun 2018 1:06

Tgt Ion: 43 Resp: 86017

Ion Ratio Lower Upper

43 100

74 25.0 17.4 26.0

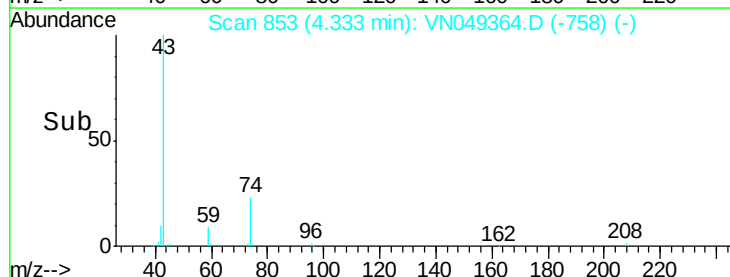


Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN049263.D (-830) (-)

4.33

Time-->



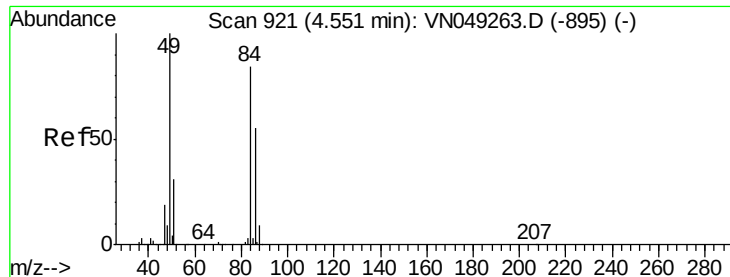
Abundance

Ion 43.00 (42.70 to 43.70): VN049263.D (-830) (-)

Ion 74.00 (73.70 to 74.70): VN049263.D (-830) (-)

4.33

Time-->

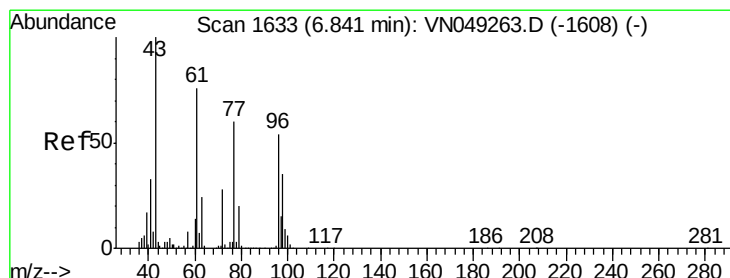
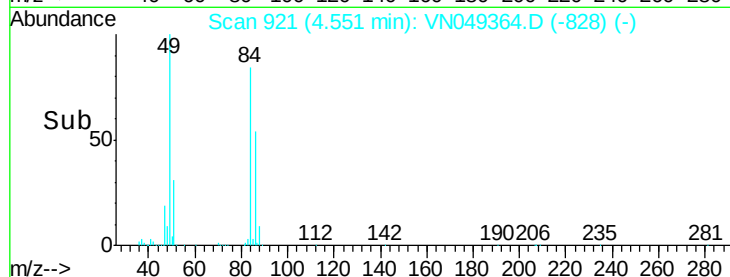
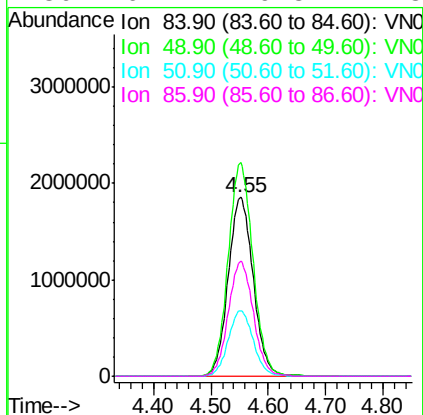
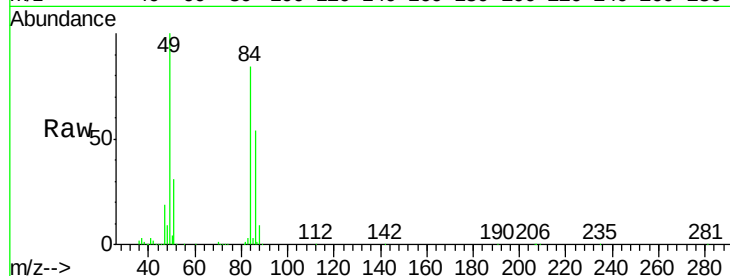


#20
Methvlene Chloride
Concen: 330.57 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 5641517

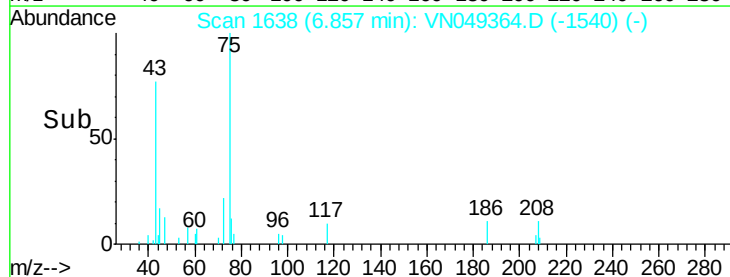
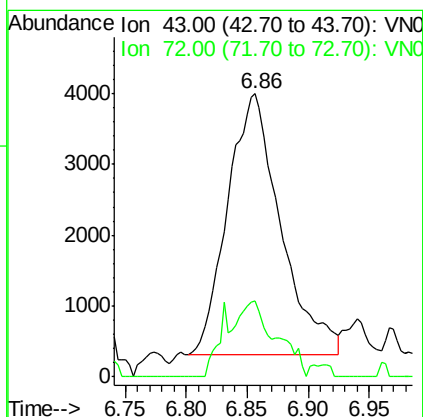
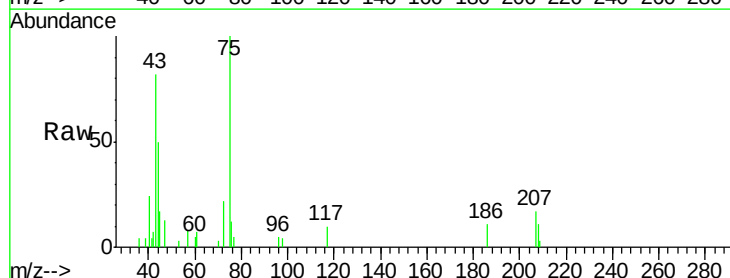
Ion	Ratio	Lower	Upper
84	100		
49	119.3	106.9	160.3
51	36.8	32.7	49.1
86	64.1	49.8	74.8

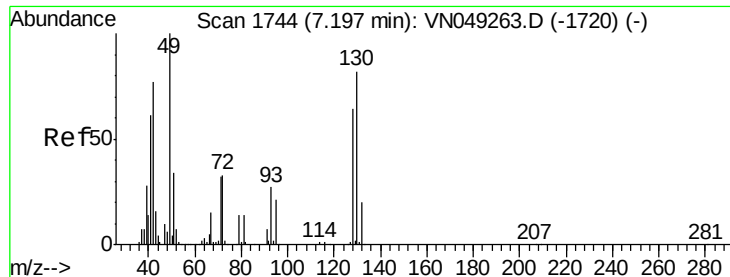


#25
2-Butanone
Concen: 2.03 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. 0.02 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Tgt Ion: 43 Resp: 11134

Ion	Ratio	Lower	Upper
43	100		
72	28.9	20.2	30.2





#28

Bromochloromethane

Concen: 0.22 ug/l

RT: 7.21 min Scan# 1747

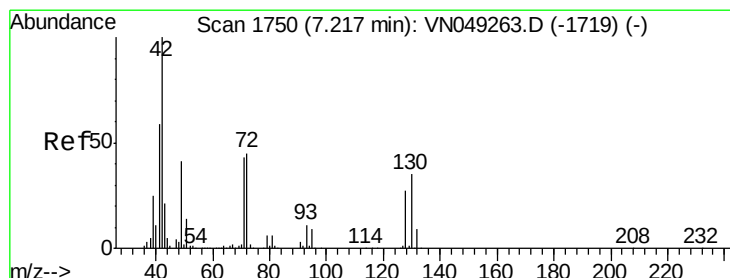
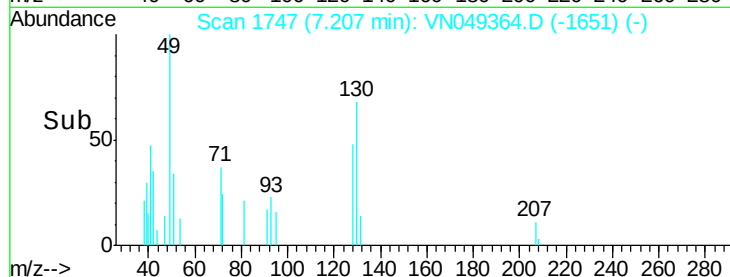
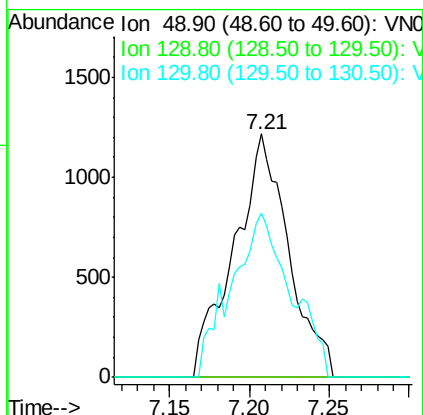
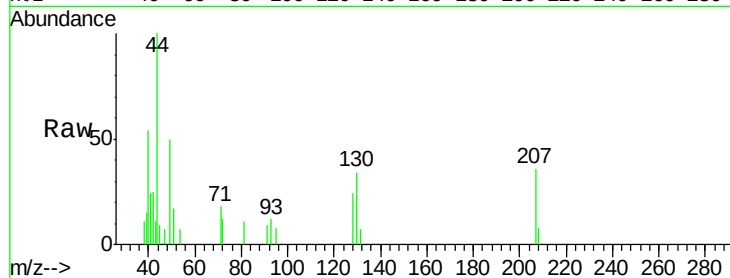
Delta R.T. 0.01 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	49	Resp:	2847
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	64.0	54.9	82.3



#29

Tetrahydrofuran

Concen: 0.82 ug/l

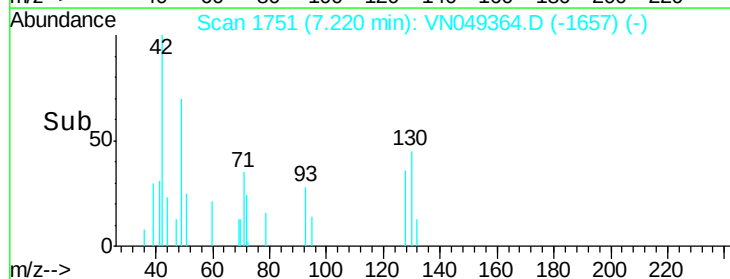
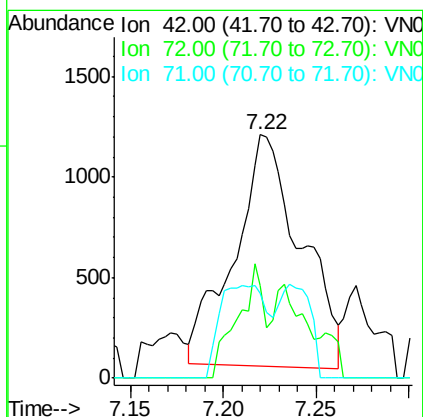
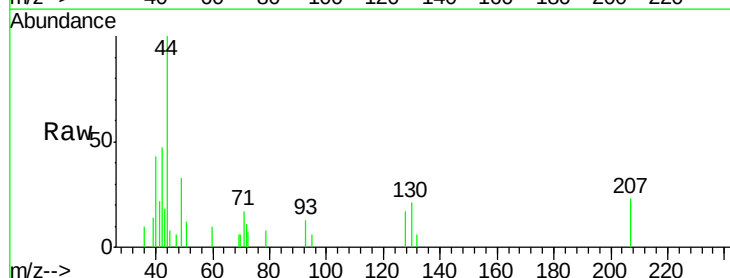
RT: 7.22 min Scan# 1751

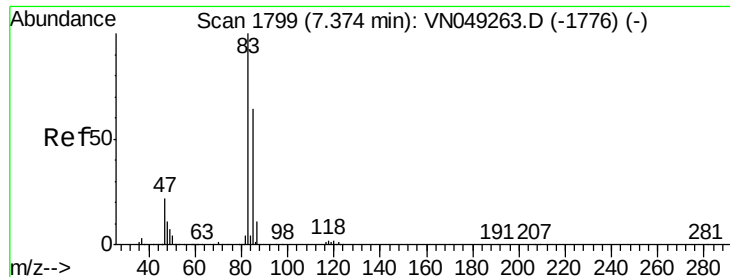
Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Tgt Ion:	42	Resp:	2886
Ion	Ratio	Lower	Upper
42	100		
72	19.2	32.2	48.4#
71	28.3	30.5	45.7#

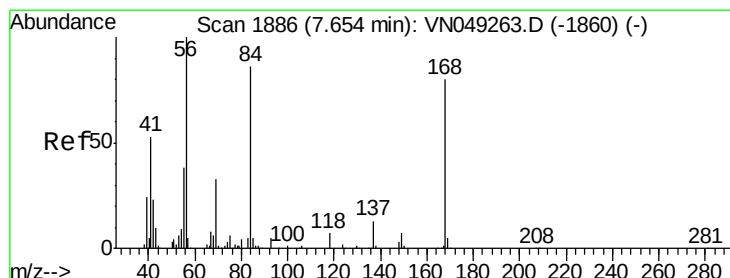
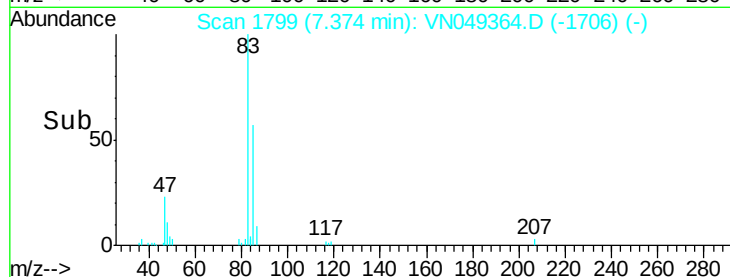
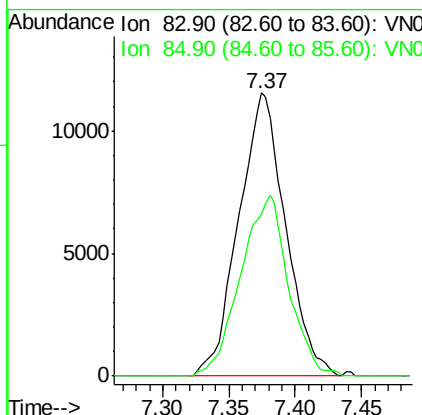
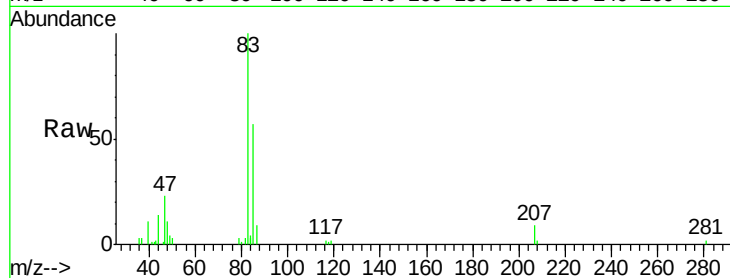




#30
Chloroform
Concen: 0.97 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

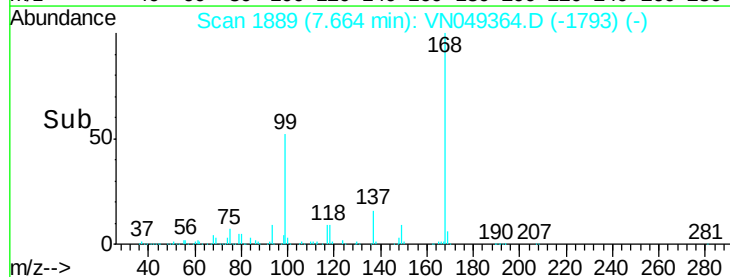
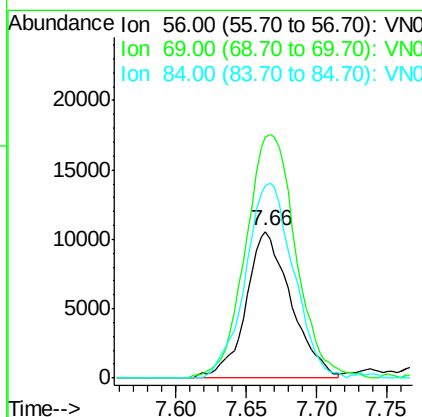
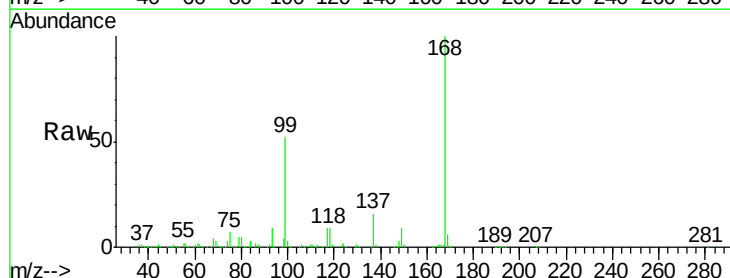
Instrument :
MSVOA_N
ClientSampleId :

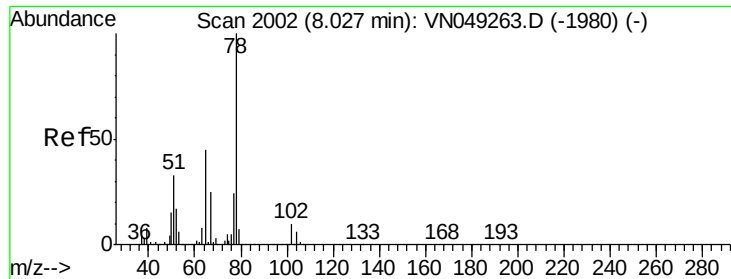
Tot Ion: 83 Resp: 28307
Ion Ratio Lower Upper
83 100
85 57.2 51.7 77.5



#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Tgt Ion: 56 Resp: 23667
Ion Ratio Lower Upper
56 100
69 165.1 25.0 37.4#
84 131.1 64.6 96.8#

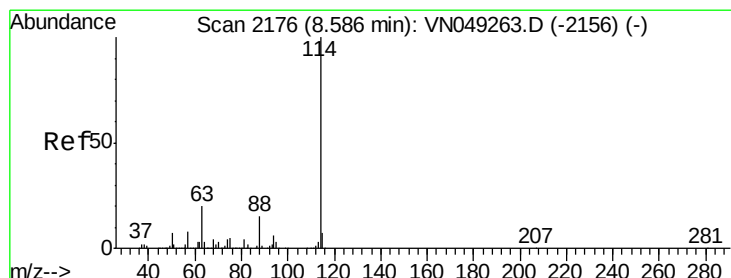
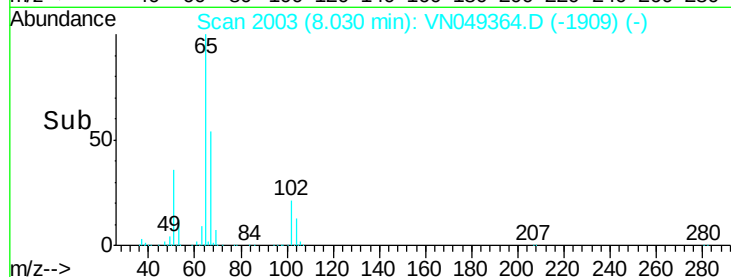
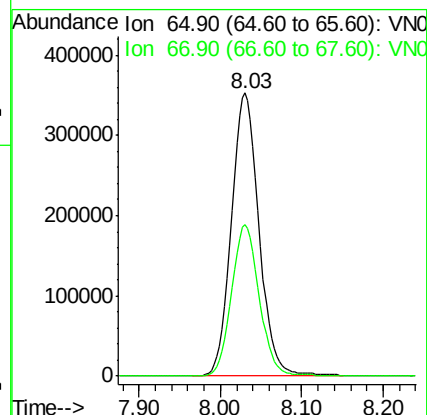
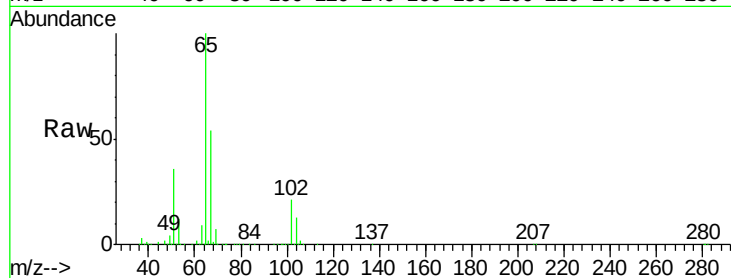




#33
 1,2-Dichloroethane-d4
 Concen: 49.94 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

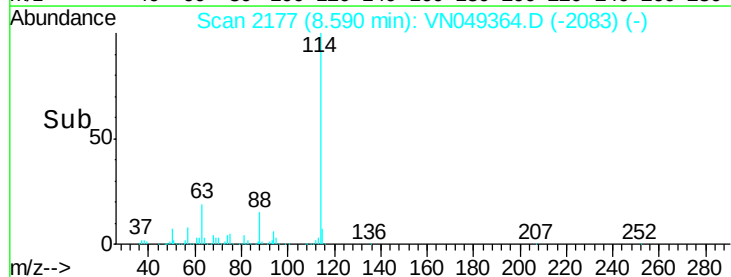
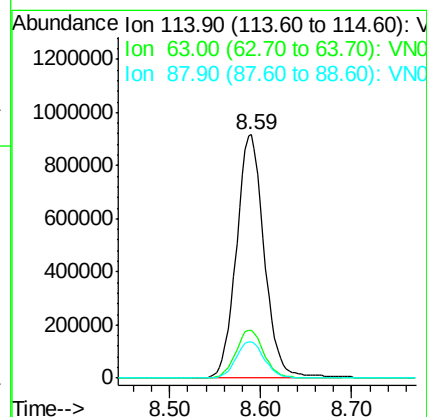
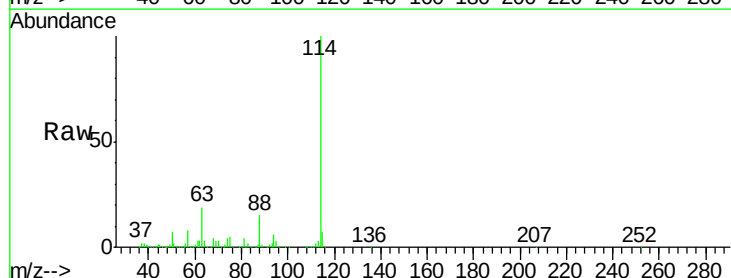
Instrument :
 MSVOA_N
 ClientSampleId :

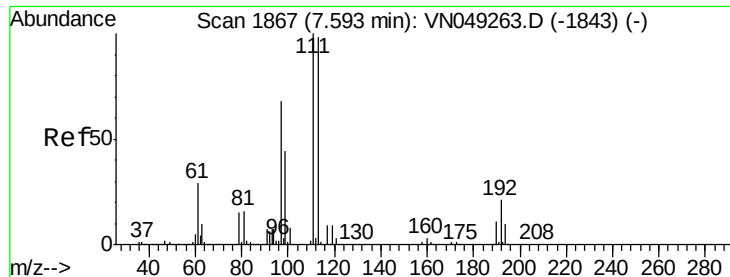
Tot Ion: 65 Resp: 840377
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

Tgt Ion: 114 Resp: 1948521
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 44.4
 88 15.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 46.19 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

ClientSampleId :

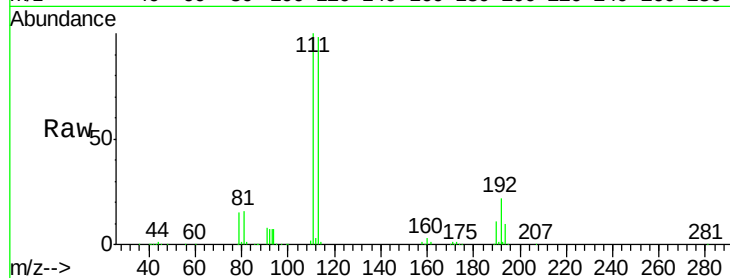
Tot Ion:113 Resp: 728085

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

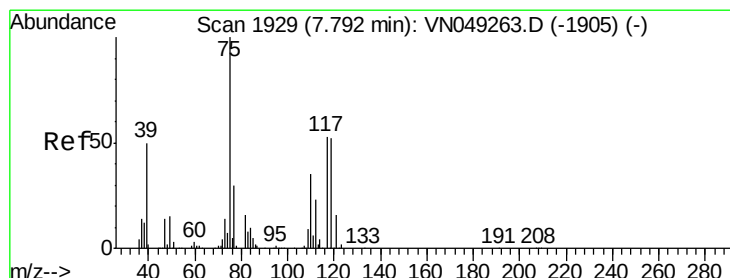
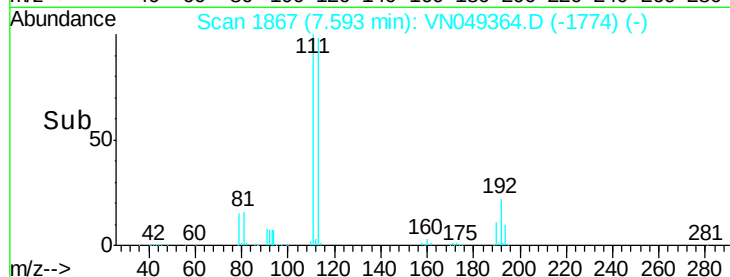
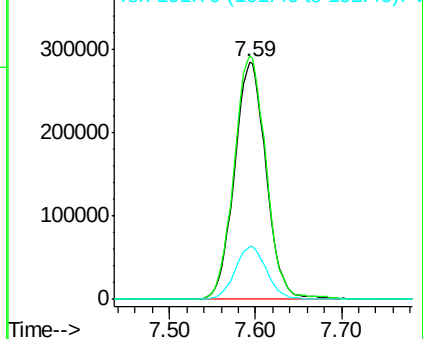
192 22.4 15.0 22.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 3.91 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.13 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

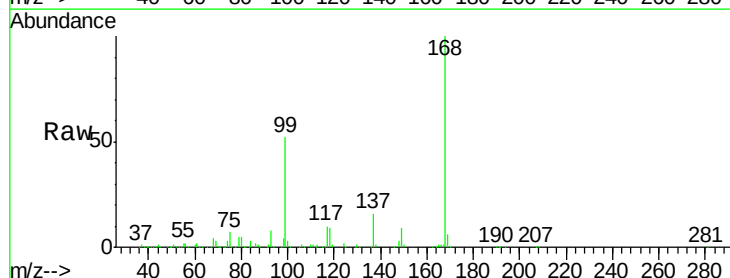
Tgt Ion: 75 Resp: 87239

Ion Ratio Lower Upper

75 100

110 9.5 17.0 50.9#

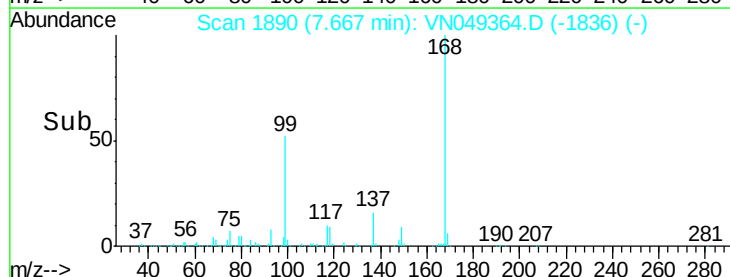
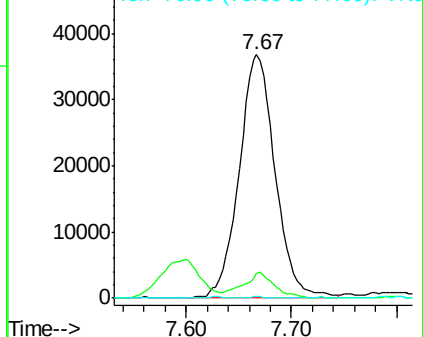
77 0.1 24.4 36.6#

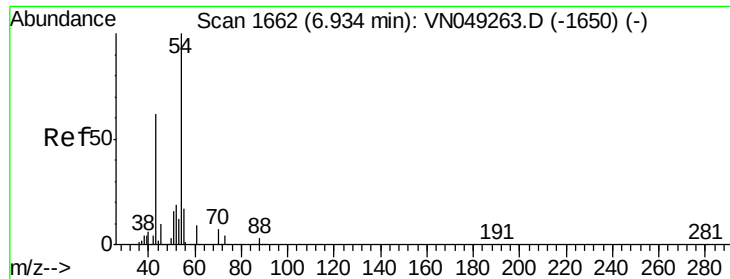


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0

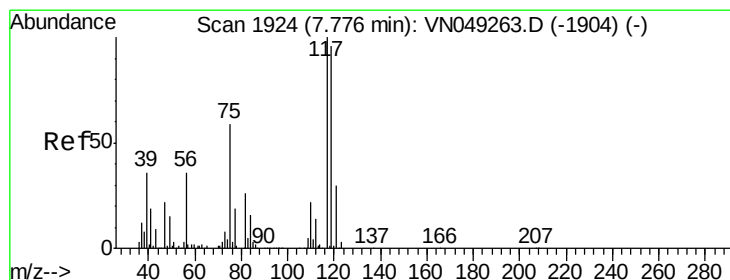
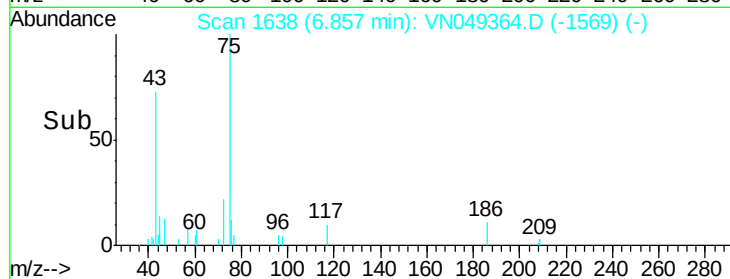
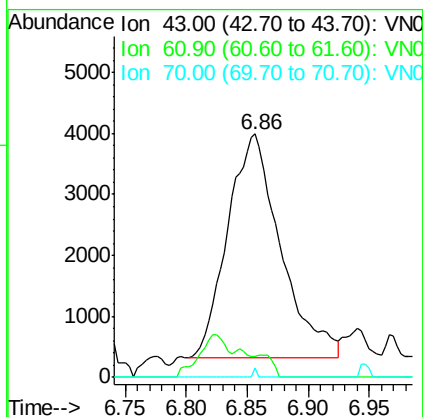
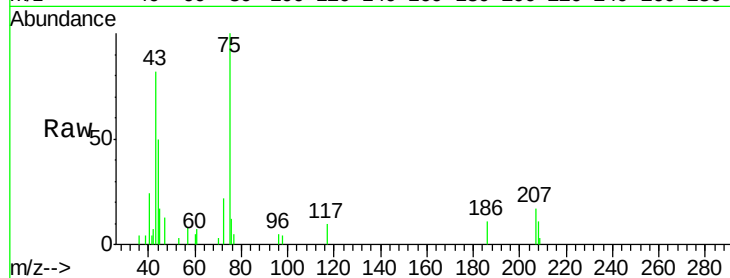




#37
Ethyl Acetate
Concen: 0.92 ug/l
RT: 6.86 min Scan# 1638
Delta R.T. -0.08 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

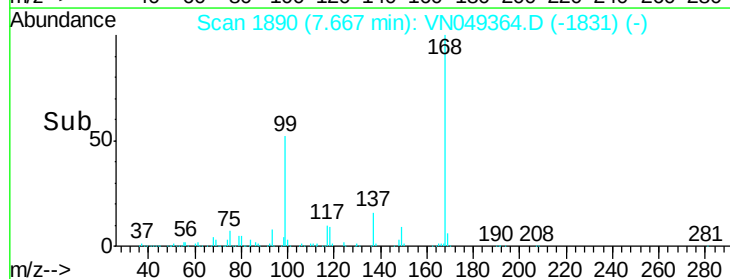
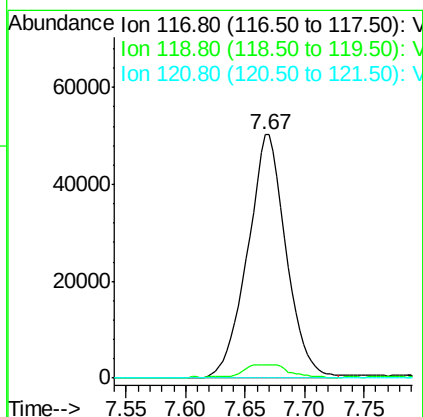
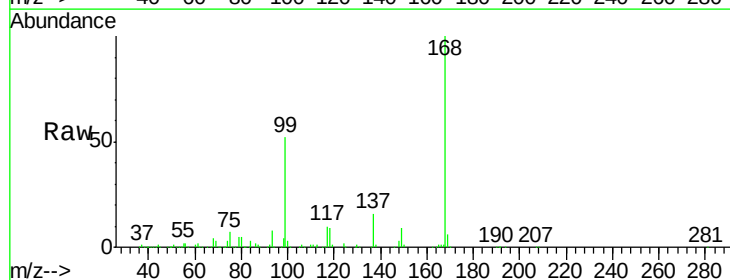
Instrument :
MSVOA_N
ClientSampled :

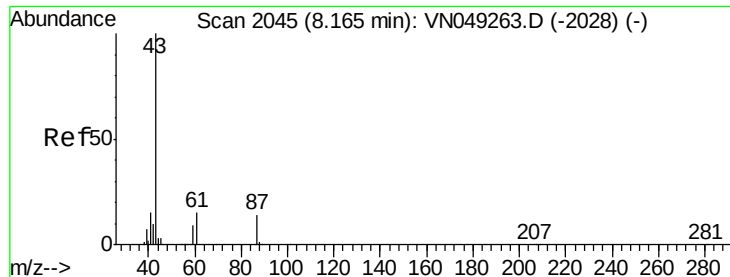
Tot Ion: 43 Resp: 11134
Ion Ratio Lower Upper
43 100
61 0.0 11.0 16.4#
70 0.3 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 4.88 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Tgt Ion: 117 Resp: 112868
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 24.7 37.1#





#43

Isopropyl Acetate

Concen: 11.19 ug/l

RT: 8.28 min Scan# 2081

Delta R.T. 0.12 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

ClientSampleId :

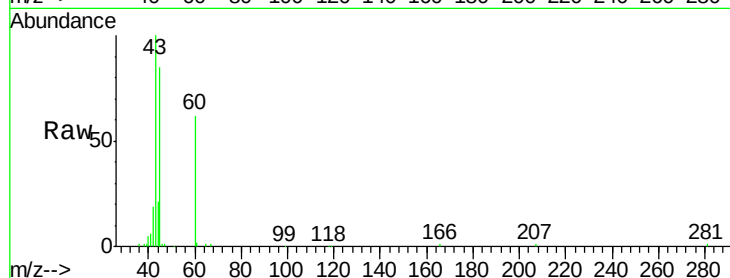
Tot Ion: 43 Resp: 259652

Ion Ratio Lower Upper

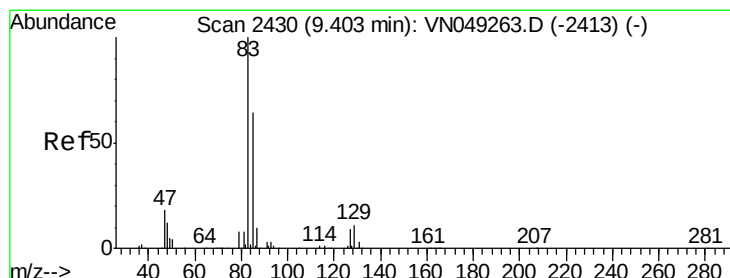
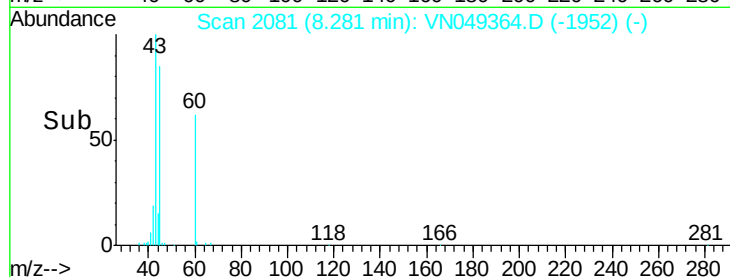
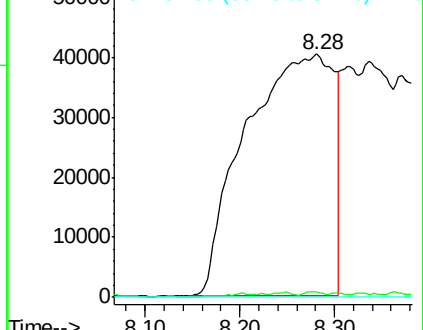
43 100

61 0.3 14.2 21.4#

87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#47

Bromodichloromethane

Concen: 0.43 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

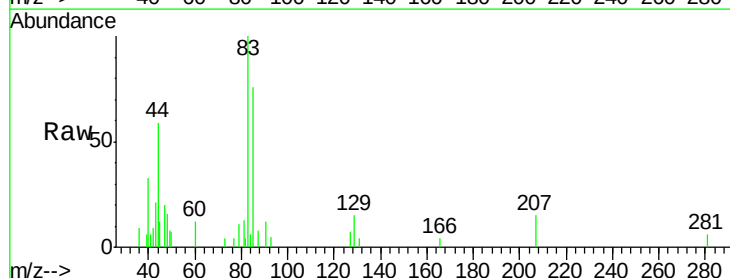
Tgt Ion: 83 Resp: 9826

Ion Ratio Lower Upper

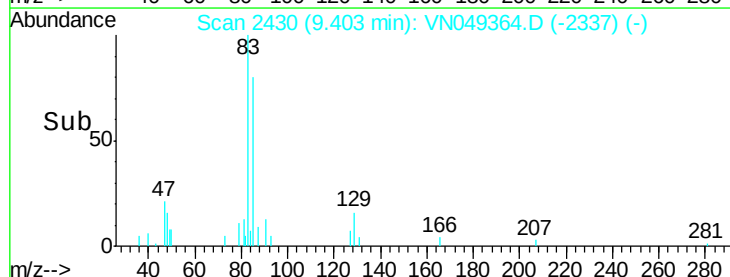
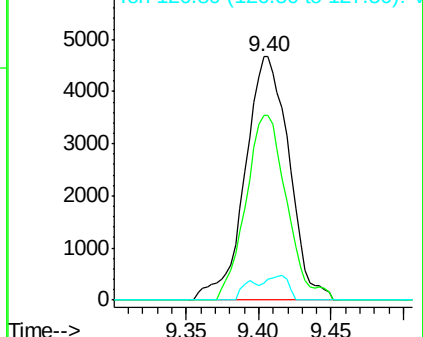
83 100

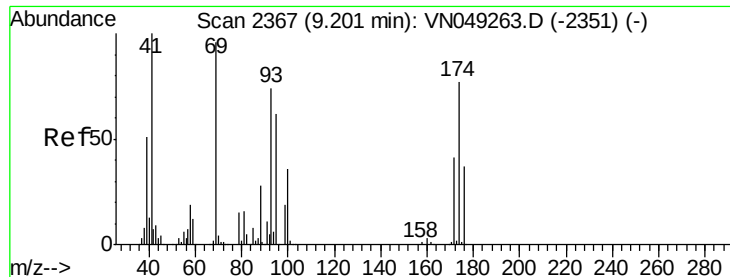
85 75.7 49.4 74.0#

127 7.0 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V

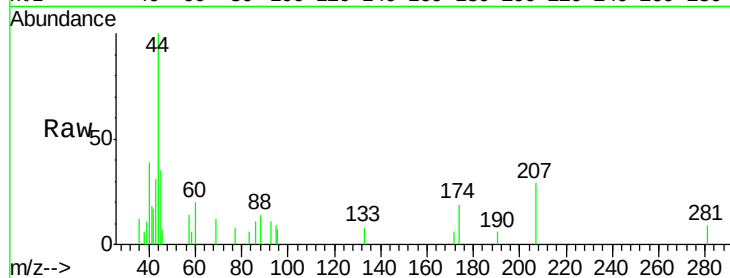




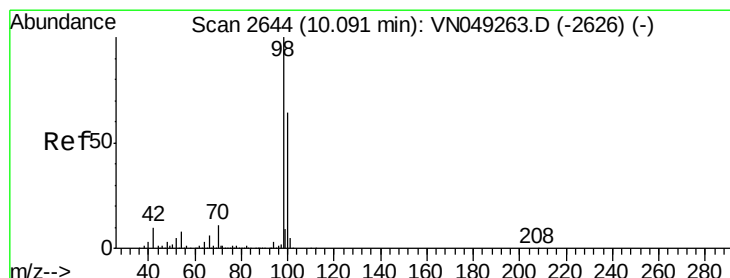
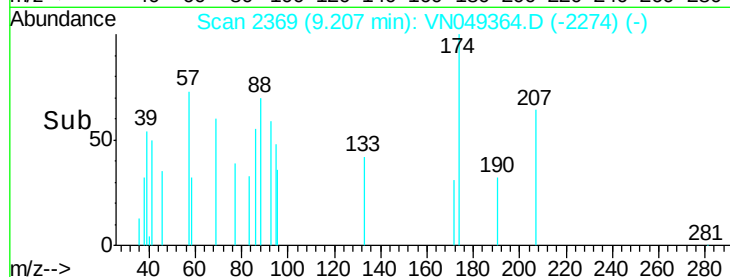
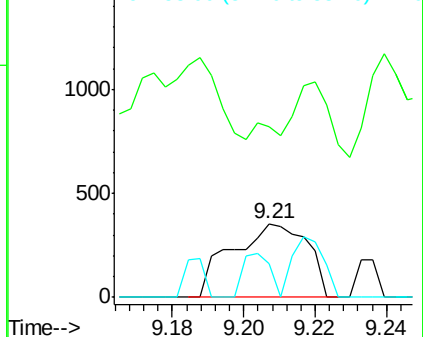
#49
1,4-Dioxane
Concen: 3.43 ug/l
RT: 9.21 min Scan# 2369
Delta R.T. 0.01 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 517
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 21.3 58.9 88.3#

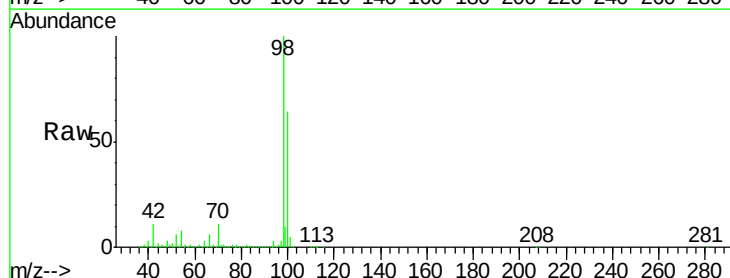


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

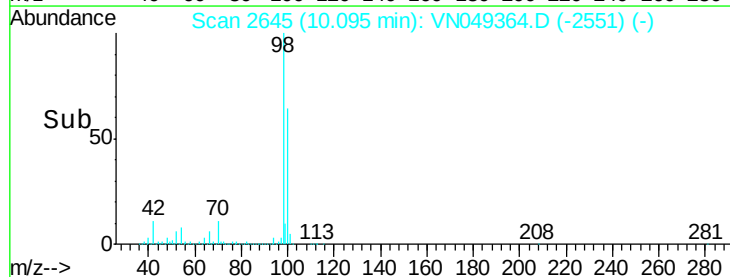
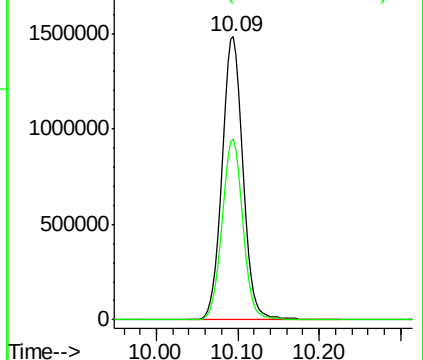


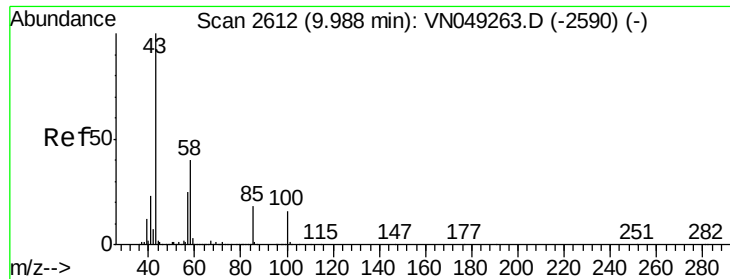
#50
Toluene-d8
Concen: 45.18 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Tgt Ion: 98 Resp: 2712070
Ion Ratio Lower Upper
98 100
100 63.5 49.8 74.8



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

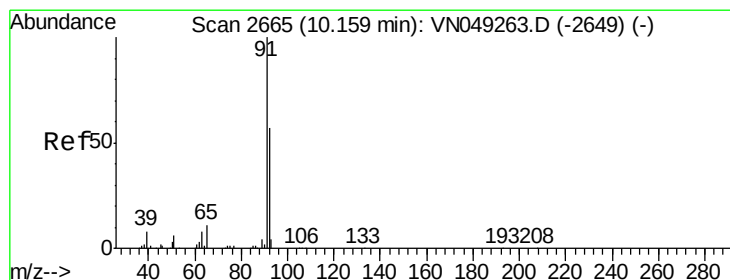
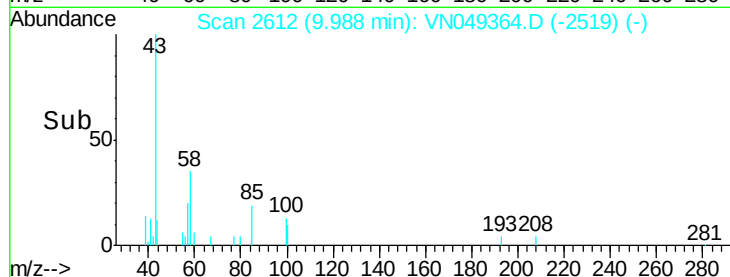
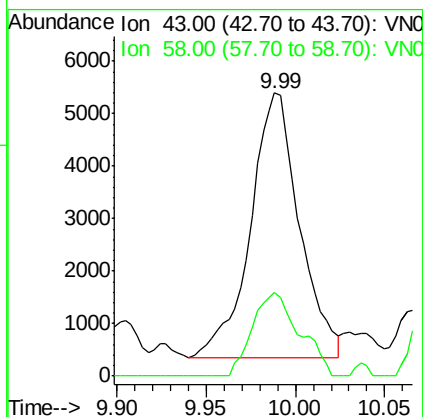
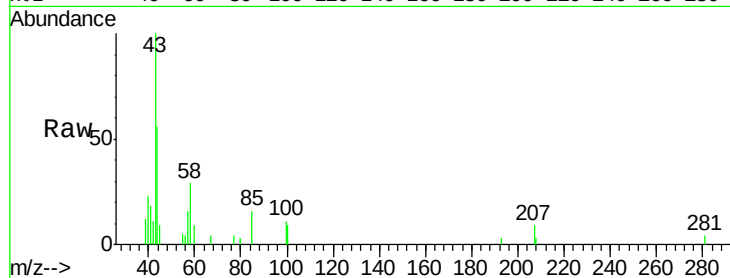




#51
4-Methyl-2-Pentanone
Concen: 0.80 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

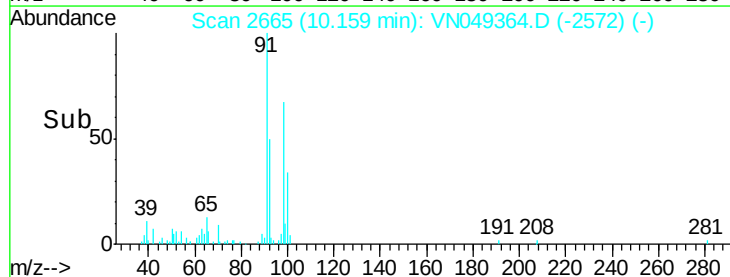
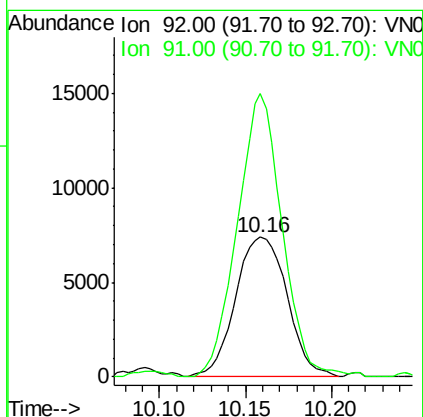
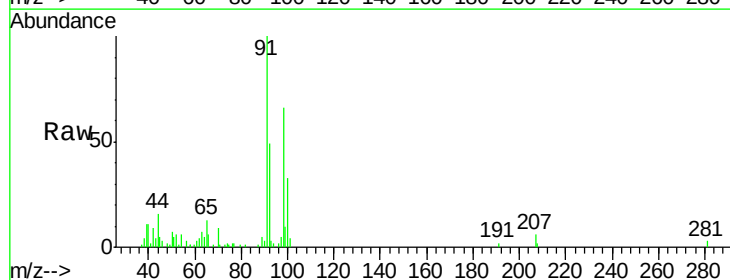
Instrument :
MSVOA_N
ClientSampled :

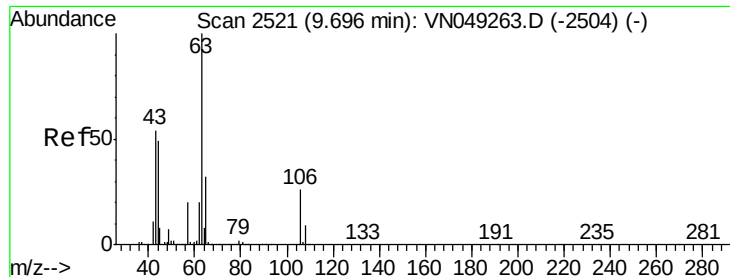
Tot Ion: 43 Resp: 9749
Ion Ratio Lower Upper
43 100
58 30.3 29.0 43.6



#52
Toluene
Concen: 0.38 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Tgt Ion: 92 Resp: 15433
Ion Ratio Lower Upper
92 100
91 175.8 143.4 215.2





#58

2-Chloroethyl Vinyl ether

Concen: 14.35 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

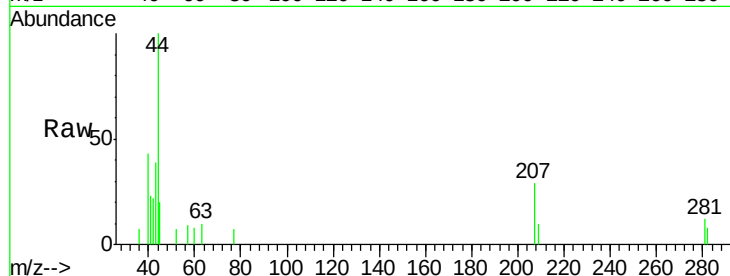
ClientSampleId :

Tot Ion: 63 Resp: 186

Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0

9.70

250

200

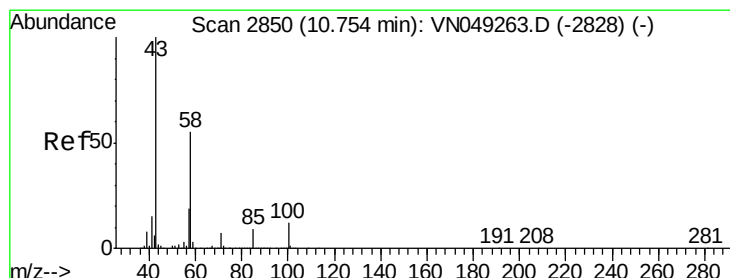
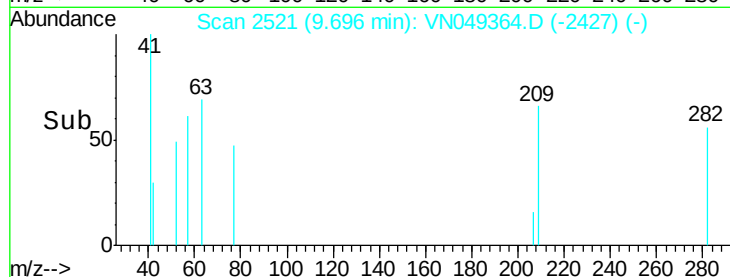
150

100

50

0

Time-->



#59

2-Hexanone

Concen: 0.77 ug/l

RT: 10.77 min Scan# 2854

Delta R.T. 0.01 min

Lab File: VN049364.D

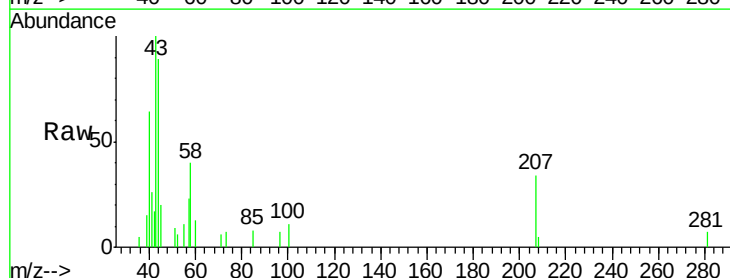
Acq: 19 Jun 2018 1:06

Tgt Ion: 43 Resp: 6060

Ion Ratio Lower Upper

43 100

58 49.3 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.77

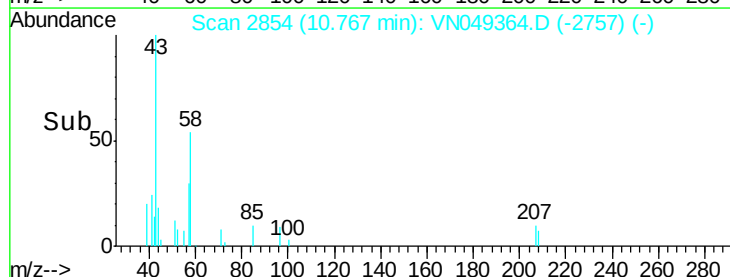
3000

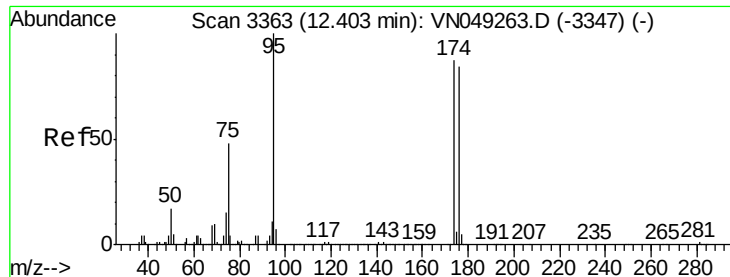
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 37.68 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

ClientSampled :

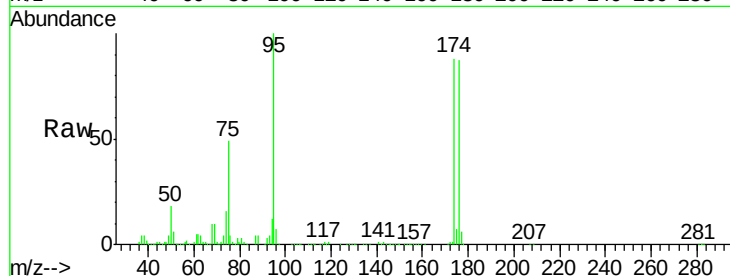
Tot Ion: 95 Resp: 747767

Ion Ratio Lower Upper

95 100

174 89.4 0.0 165.6

176 86.3 0.0 157.4

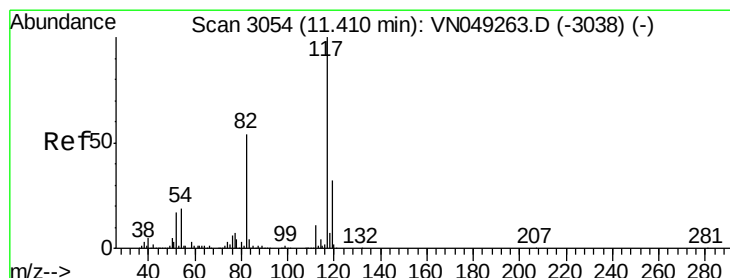
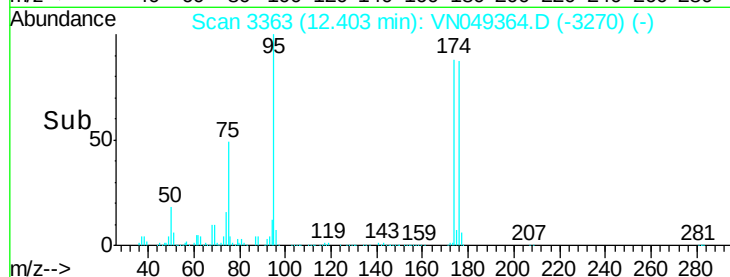


Abundance Ion 94.90 (94.60 to 95.60): VN049364.D (-3347) (-)

Ion 173.80 (173.50 to 174.50): VN049364.D (-3347) (-)

Ion 175.80 (175.50 to 176.50): VN049364.D (-3347) (-)

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

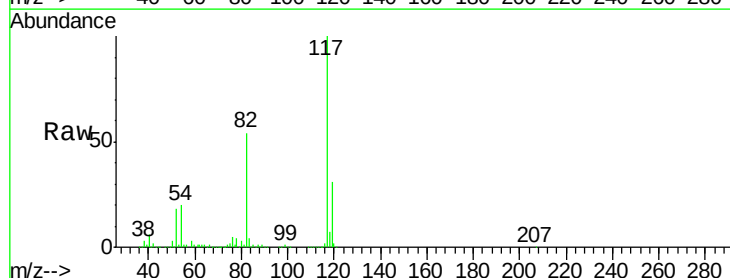
Tgt Ion: 117 Resp: 1646488

Ion Ratio Lower Upper

117 100

82 53.7 45.9 68.9

119 31.4 25.5 38.3

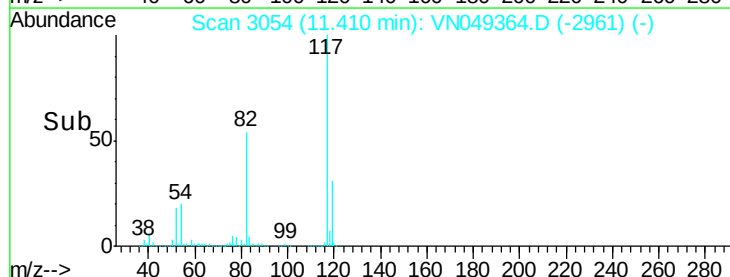


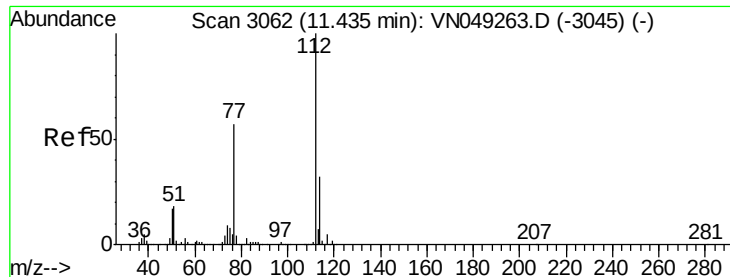
Abundance Ion 116.90 (116.60 to 117.60): VN049364.D (-3038) (-)

Ion 82.00 (81.70 to 82.70): VN049364.D (-3038) (-)

Ion 118.90 (118.60 to 119.60): VN049364.D (-3038) (-)

Time--> 11.30 11.40 11.50





#65

Chlorobenzene

Concen: 0.39 ug/l

RT: 11.44 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

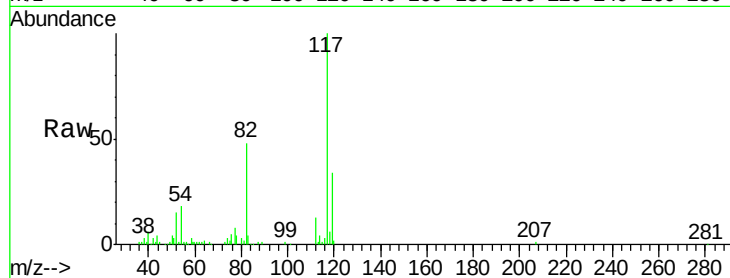
ClientSampled :

Tot Ion:112 Resp: 16573

Ion Ratio Lower Upper

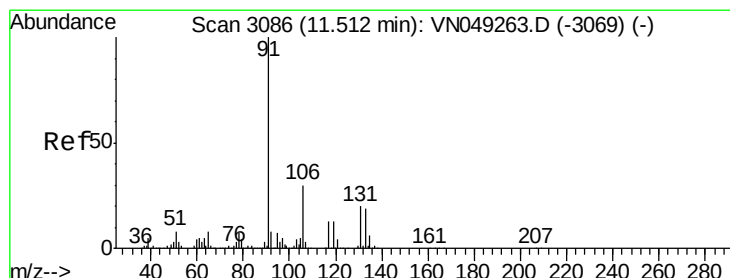
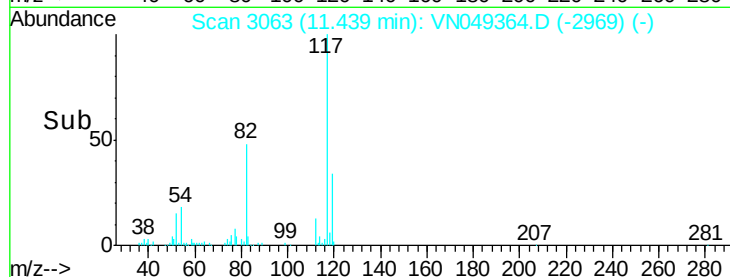
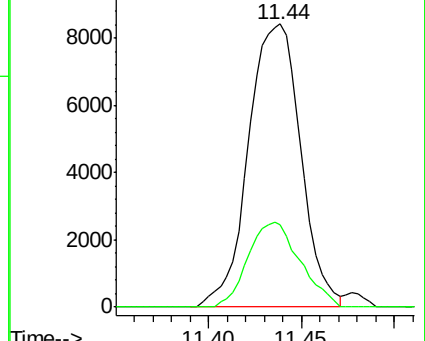
112 100

114 29.2 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#67

Ethyl Benzene

Concen: 0.25 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049364.D

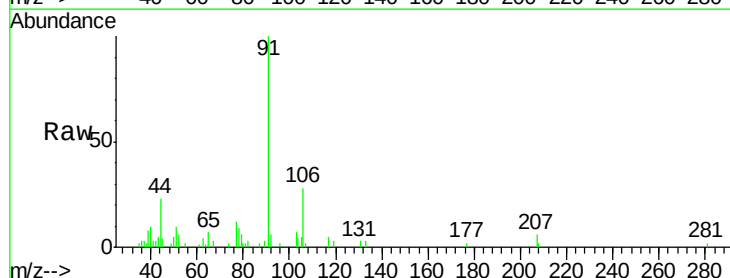
Acq: 19 Jun 2018 1:06

Tgt Ion: 91 Resp: 17277

Ion Ratio Lower Upper

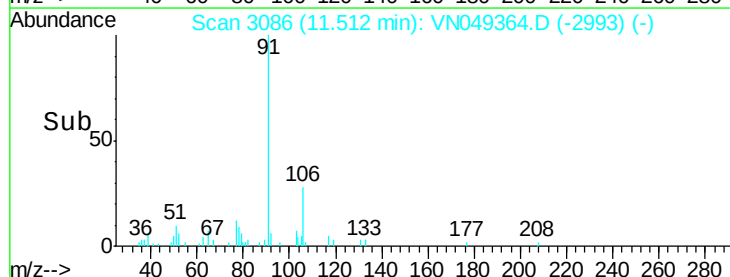
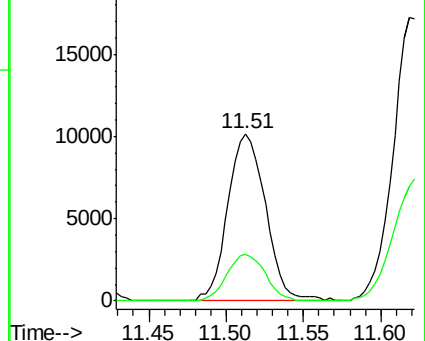
91 100

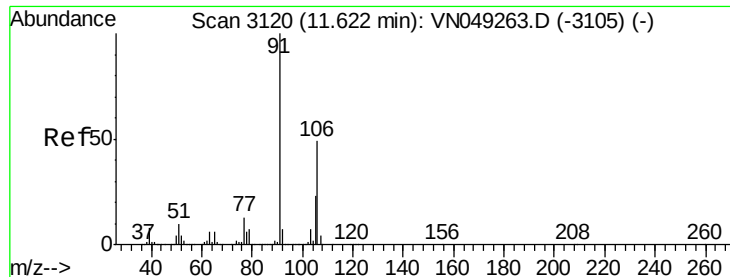
106 27.7 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

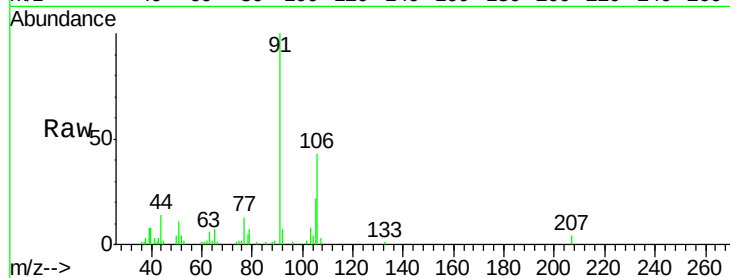




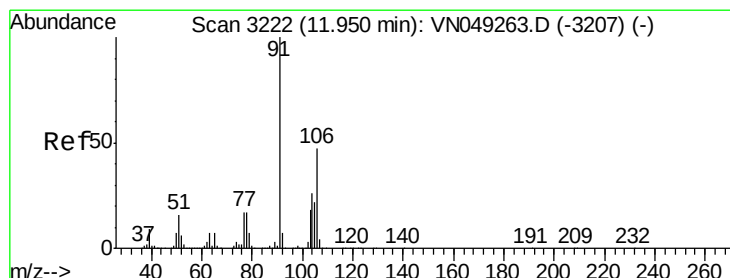
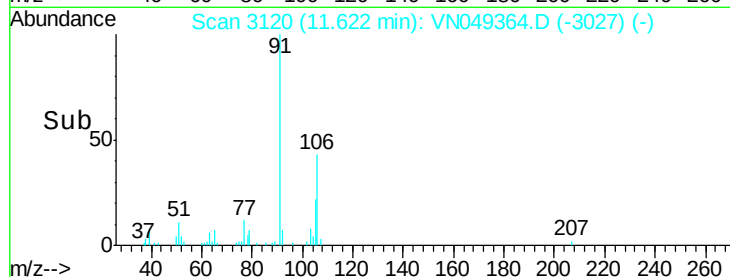
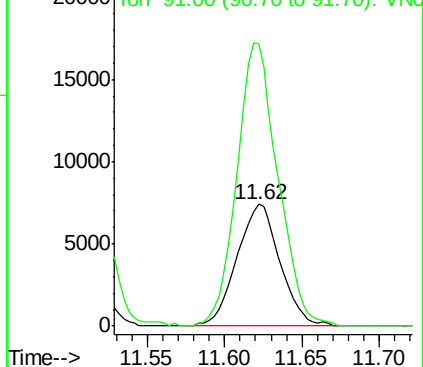
#68
m/p-Xylenes
Concen: 0.54 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:106 Resp: 14370
Ion Ratio Lower Upper
106 100
91 220.7 167.3 250.9

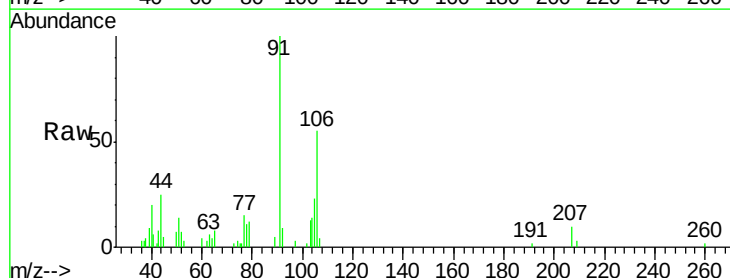


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

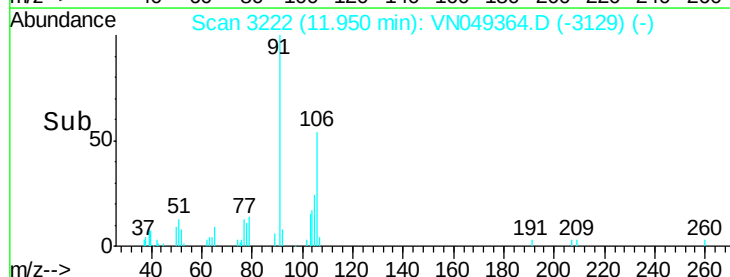
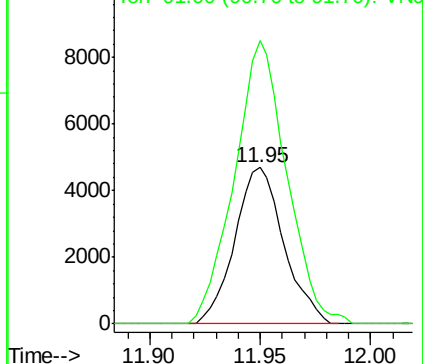


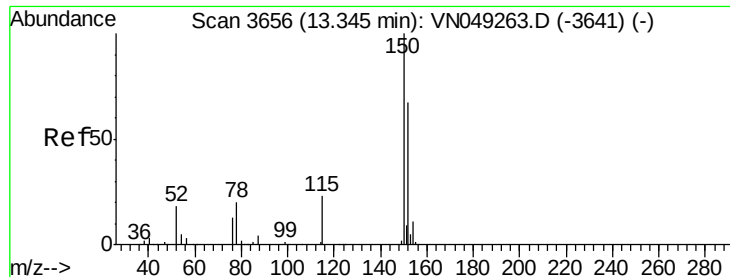
#69
o-Xylene
Concen: 0.29 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Tgt Ion:106 Resp: 7267
Ion Ratio Lower Upper
106 100
91 192.8 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

ClientSampleId :

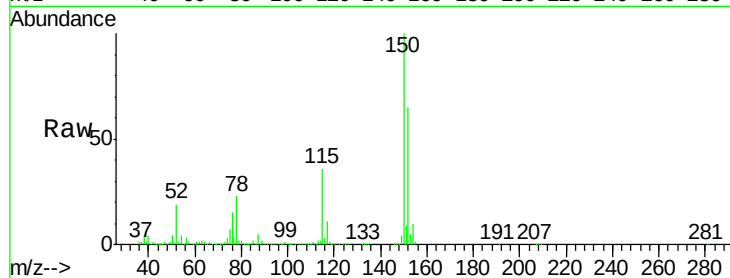
Tot Ion:152 Resp: 608280

Ion Ratio Lower Upper

152 100

115 55.8 28.7 86.1

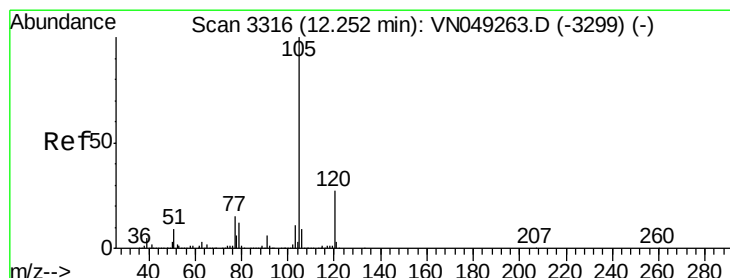
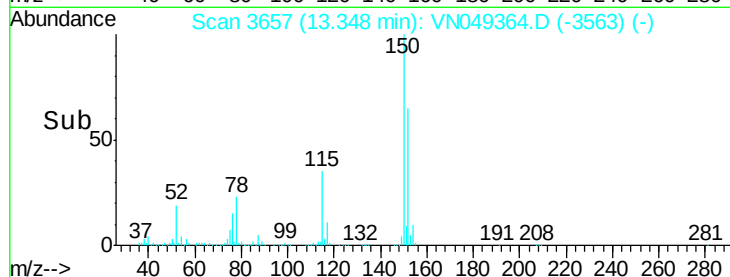
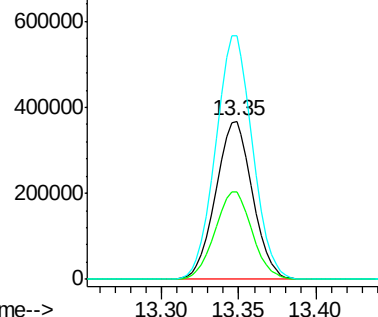
150 154.8 0.0 351.0



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: 0.33 ug/l

RT: 12.26 min Scan# 3317

Delta R.T. 0.00 min

Lab File: VN049364.D

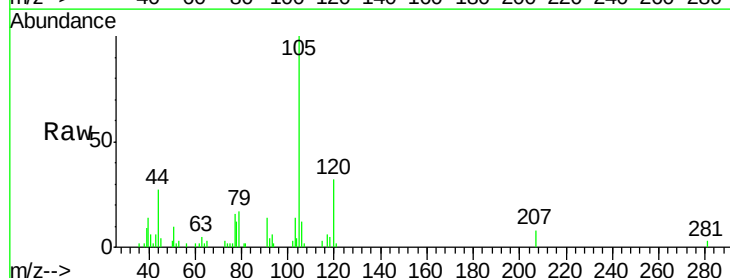
Acq: 19 Jun 2018 1:06

Tgt Ion:105 Resp: 17735

Ion Ratio Lower Upper

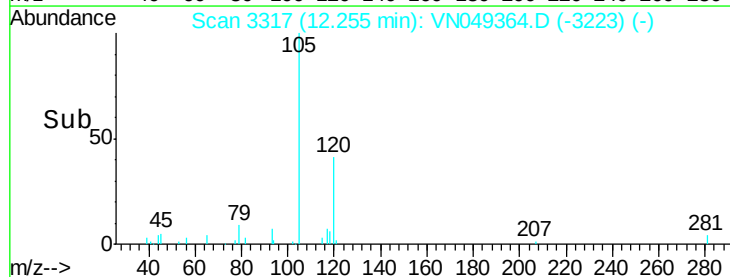
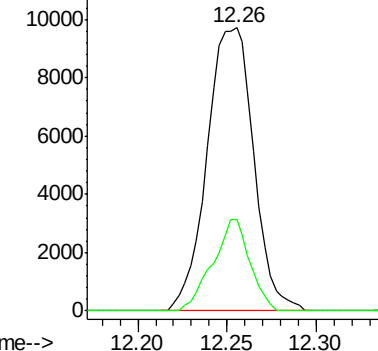
105 100

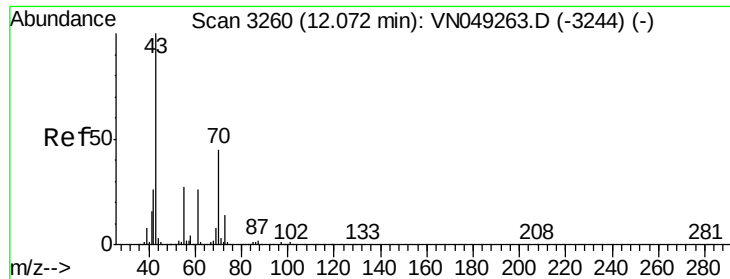
120 25.8 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.21 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 2699

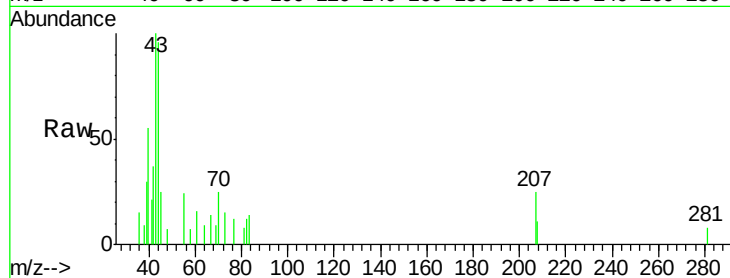
Ion Ratio Lower Upper

43 100

70 19.2 30.3 45.5#

55 36.0 19.4 29.2#

61 16.1 17.8 26.6#

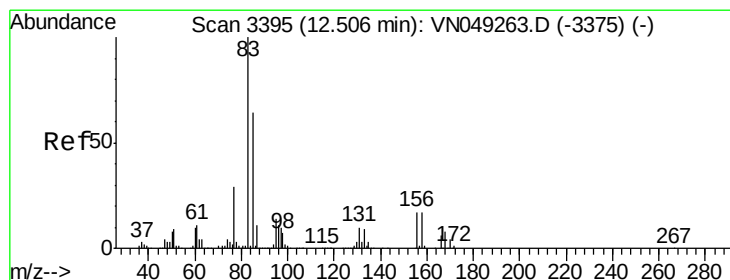
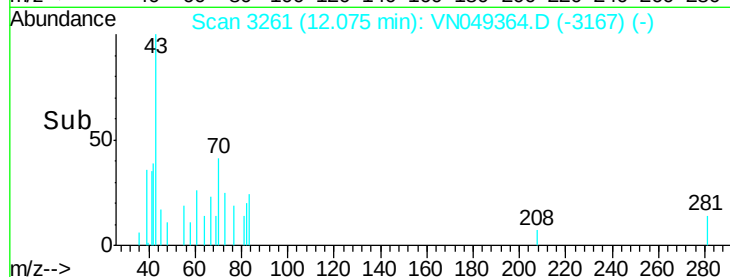
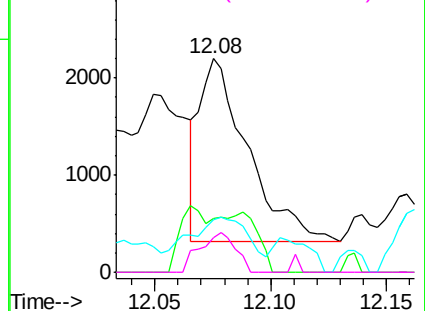


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

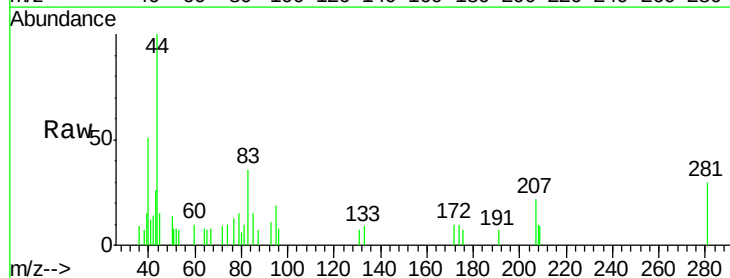
Tgt Ion: 83 Resp: 1790

Ion Ratio Lower Upper

83 100

131 5.5 5.0 15.0

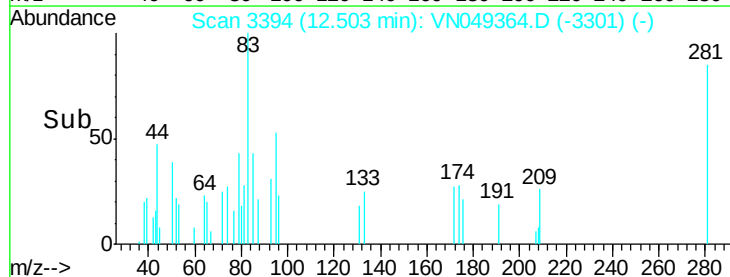
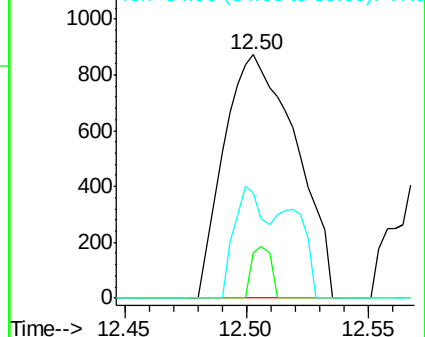
85 19.7 32.0 96.0#

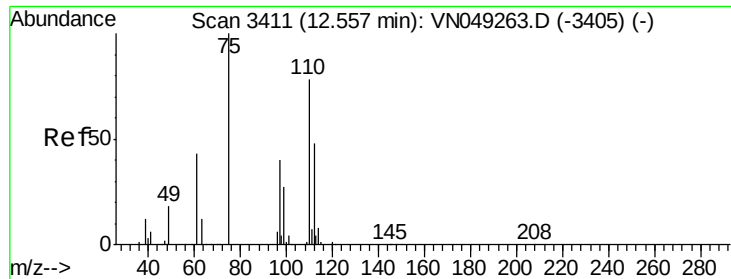


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 34.67 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

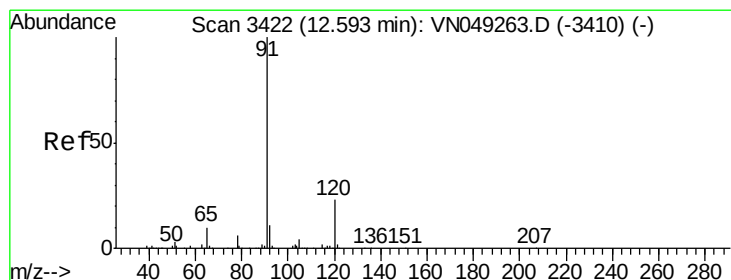
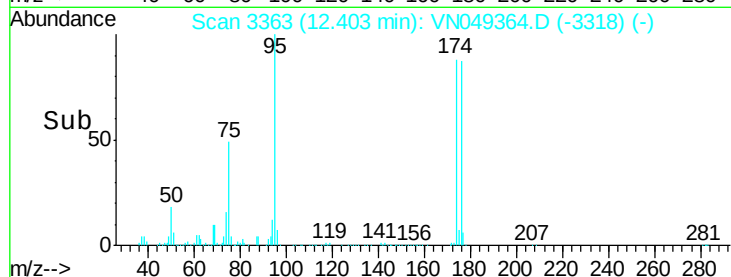
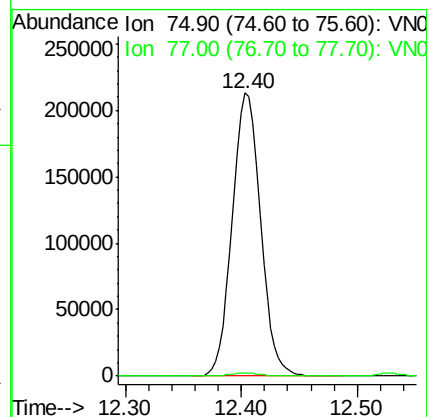
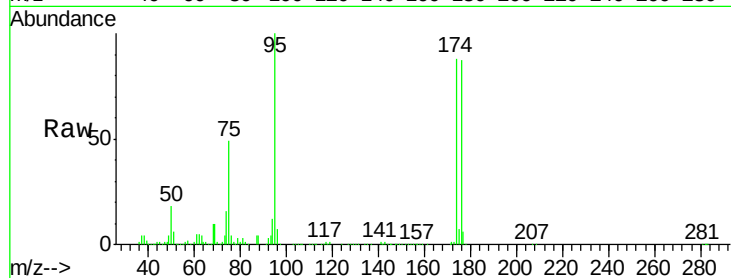
ClientSampled :

Tot Ion: 75 Resp: 359845

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#78

n-propylbenzene

Concen: 0.71 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049364.D

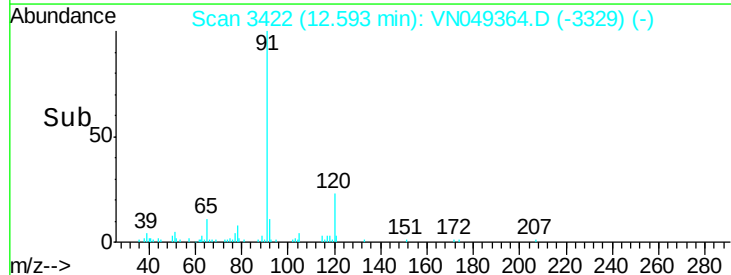
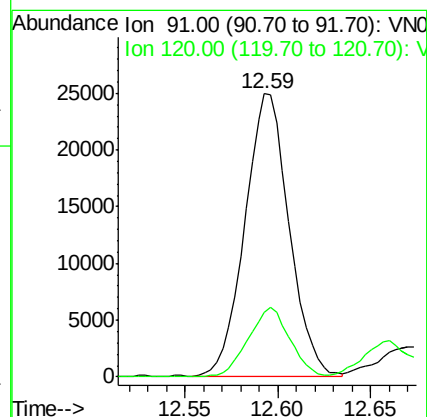
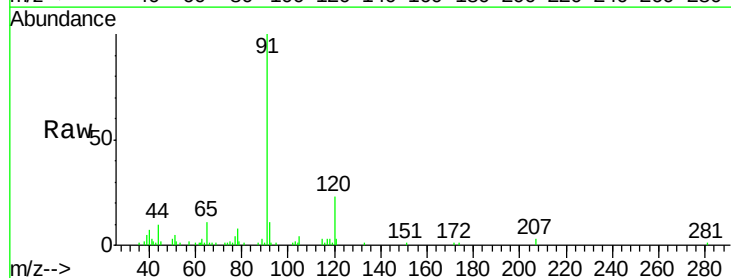
Acq: 19 Jun 2018 1:06

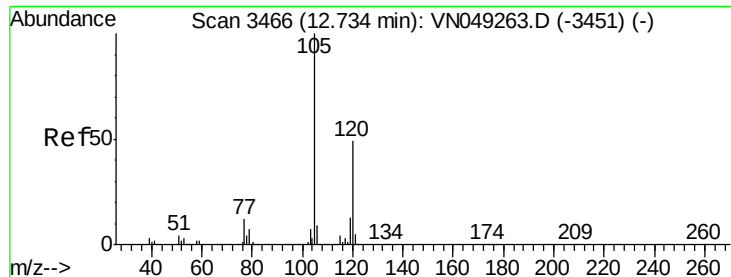
Tgt Ion: 91 Resp: 41397

Ion Ratio Lower Upper

91 100

120 23.1 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 0.41 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

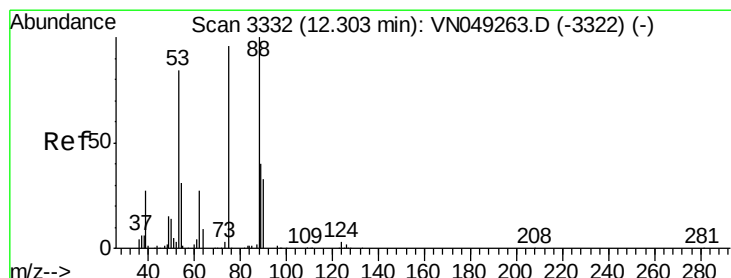
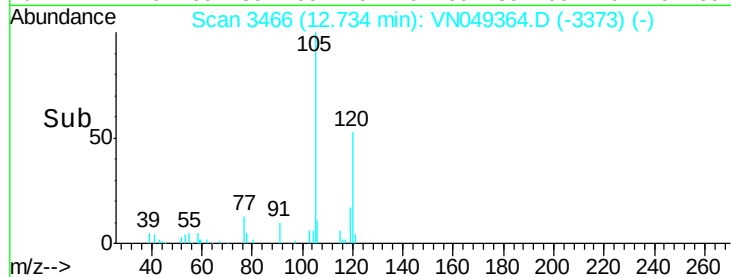
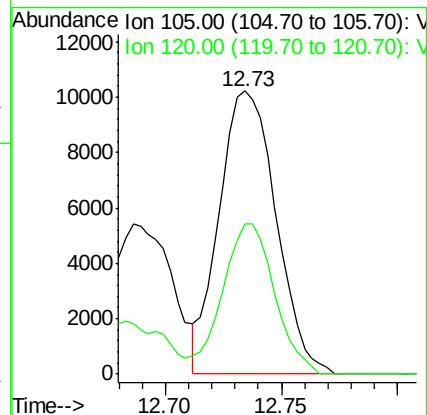
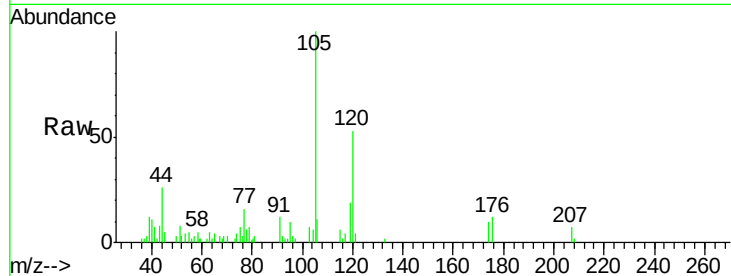
ClientSampled :

Tot Ion:105 Resp: 17418

Ion Ratio Lower Upper

105 100

120 48.9 23.5 70.5



#81

trans-1,4-Dichloro-2-butene

Concen: 109.58 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

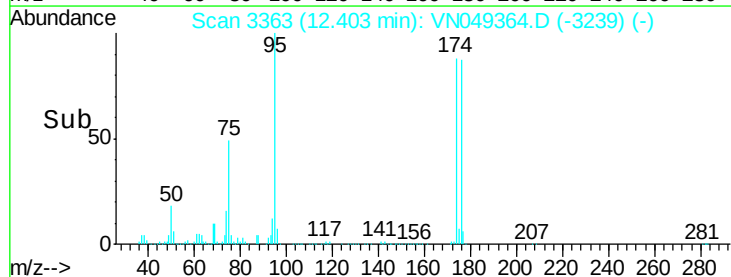
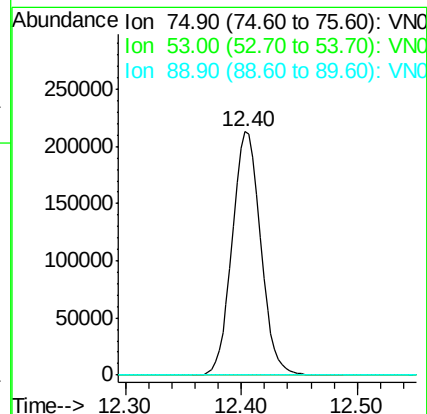
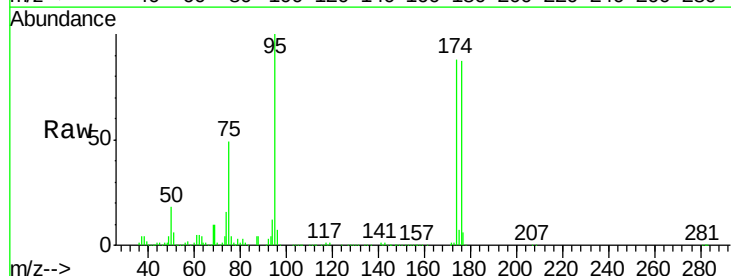
Tgt Ion: 75 Resp: 359845

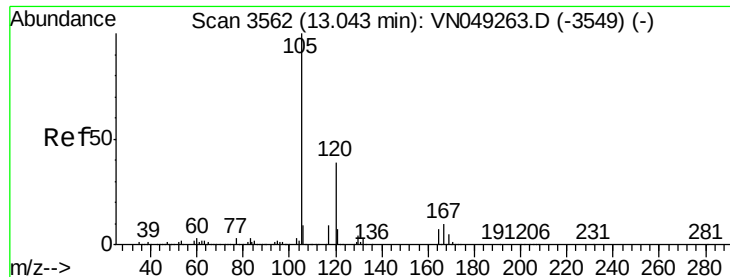
Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

89 0.0 36.5 54.7#

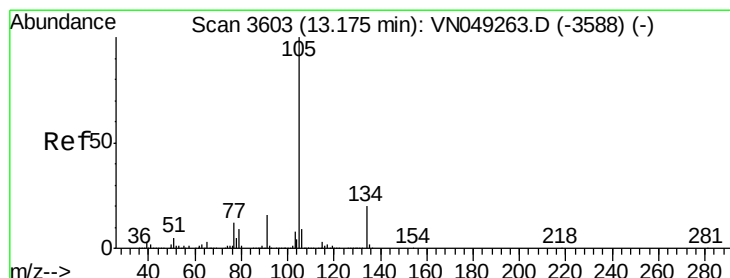
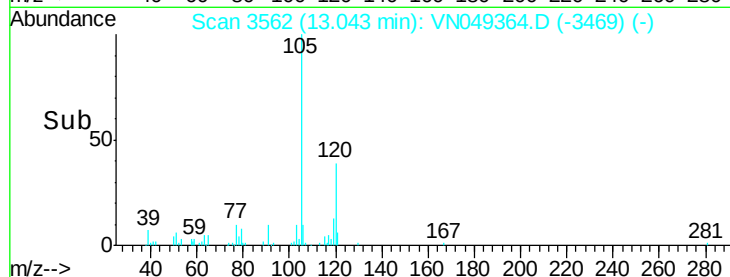
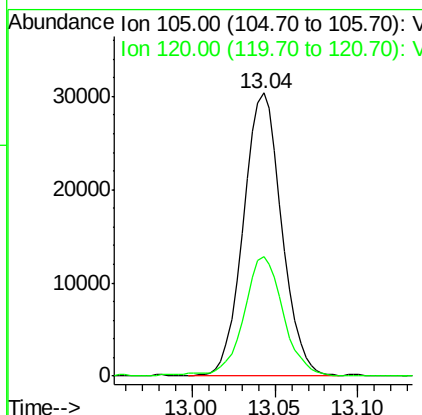
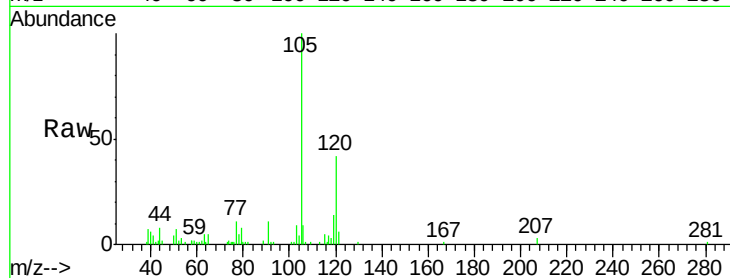




#84
 1,2,4-Trimethylbenzene
 Concen: 1.17 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

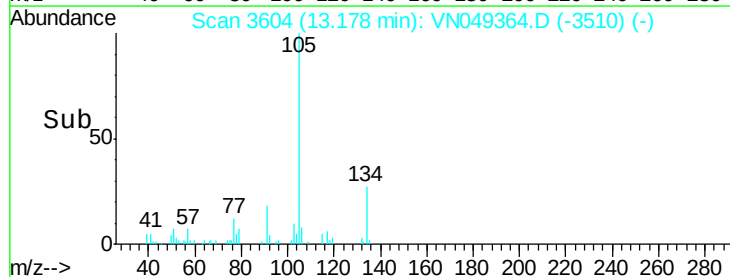
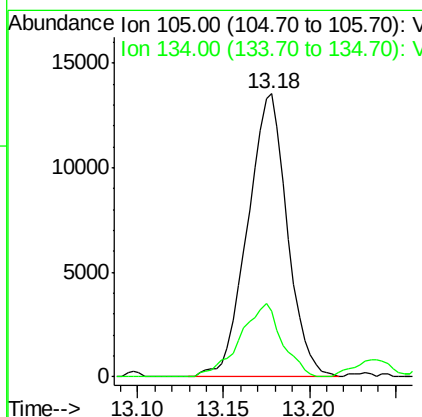
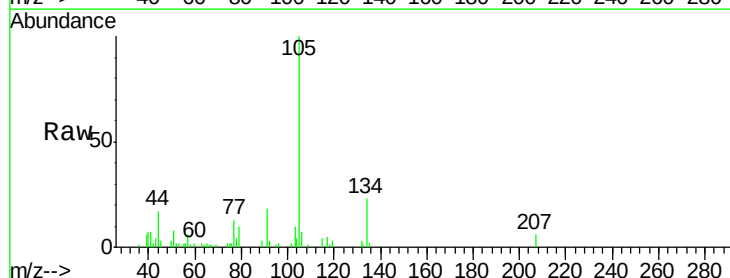
Instrument :
 MSVOA_N
 ClientSampleId :

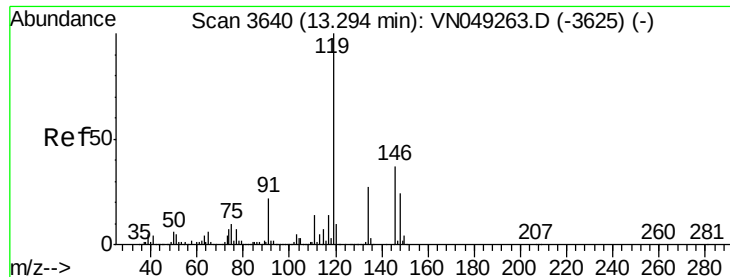
Tot Ion:105 Resp: 48826
 Ion Ratio Lower Upper
 105 100
 120 43.5 22.2 66.6



#85
 sec-Butylbenzene
 Concen: 0.44 ug/l
 RT: 13.18 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

Tgt Ion:105 Resp: 21625
 Ion Ratio Lower Upper
 105 100
 134 27.5 9.8 29.3

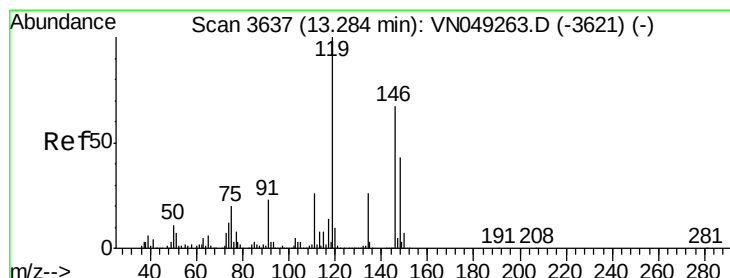
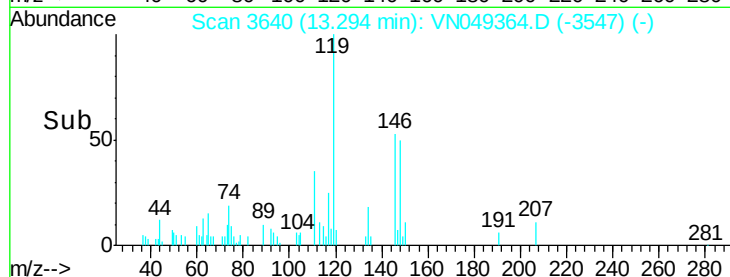
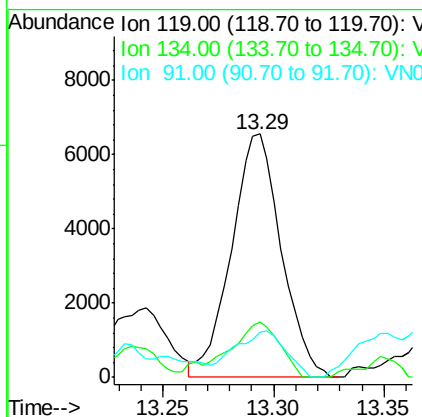
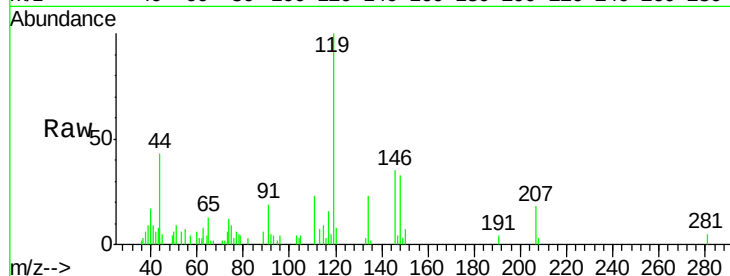




#86
 p-Isopropyltoluene
 Concen: 0.25 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

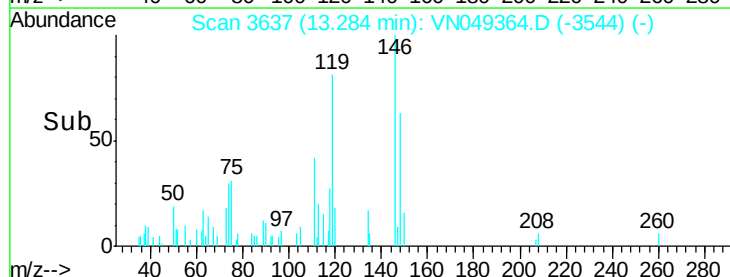
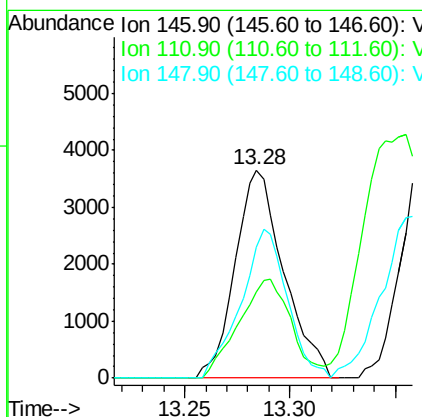
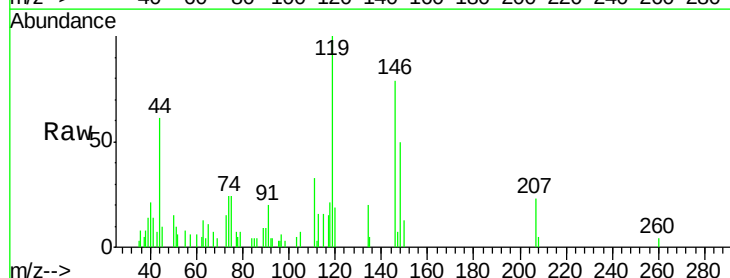
Instrument :
 MSVOA_N
 ClientSampled :

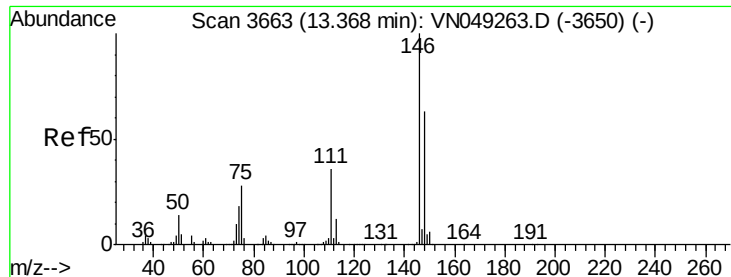
Tot Ion:119 Resp: 10272
 Ion Ratio Lower Upper
 119 100
 134 23.8 12.9 38.6
 91 19.6 12.1 36.3



#87
 1,3-Dichlorobenzene
 Concen: 0.25 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

Tgt Ion:146 Resp: 5867
 Ion Ratio Lower Upper
 146 100
 111 51.3 19.9 59.6
 148 68.0 32.1 96.5

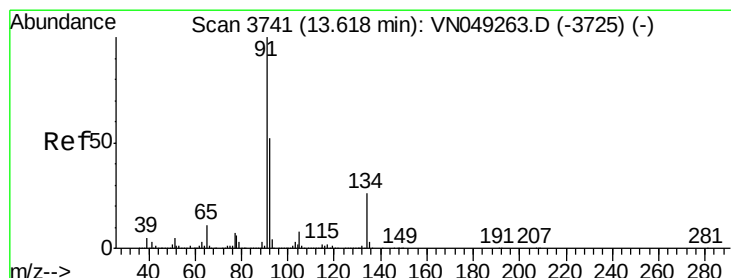
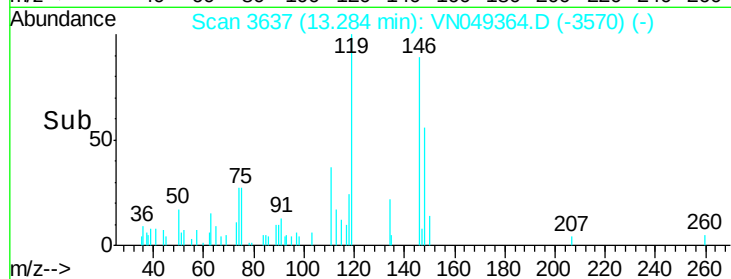
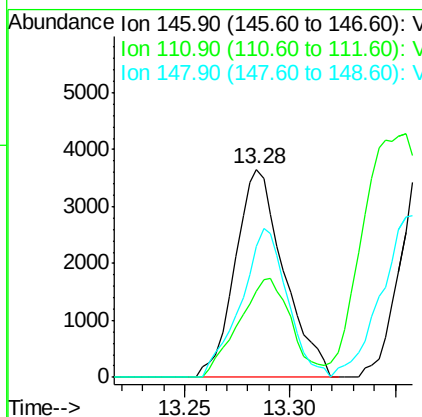
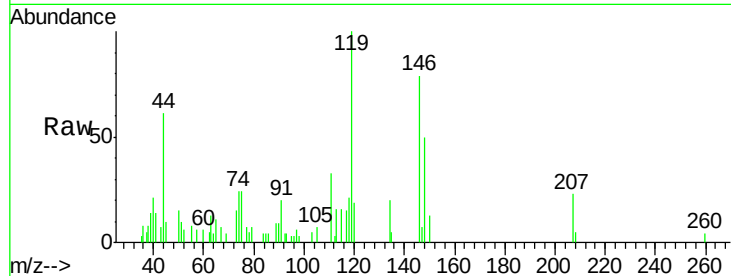




#88
 1,4-Dichlorobenzene
 Concen: 0.26 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.08 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

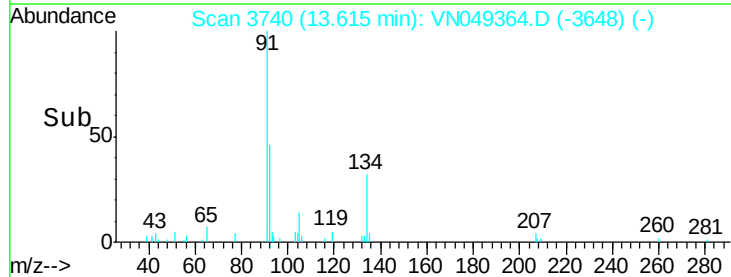
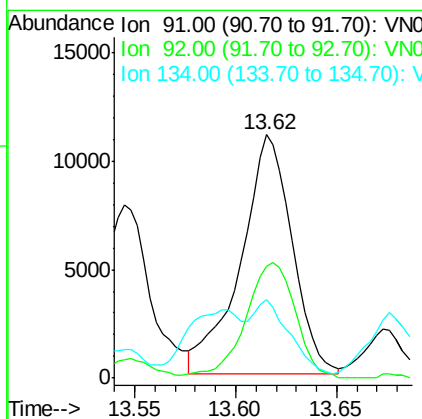
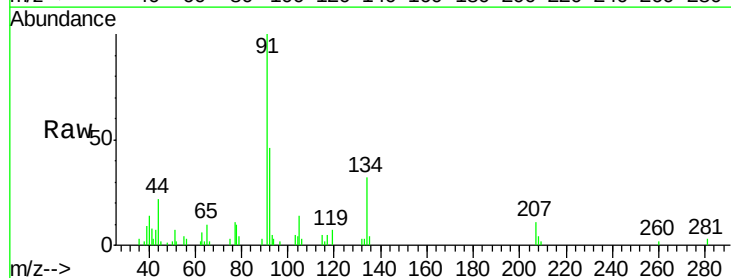
Instrument :
 MSVOA_N
 ClientSampled :

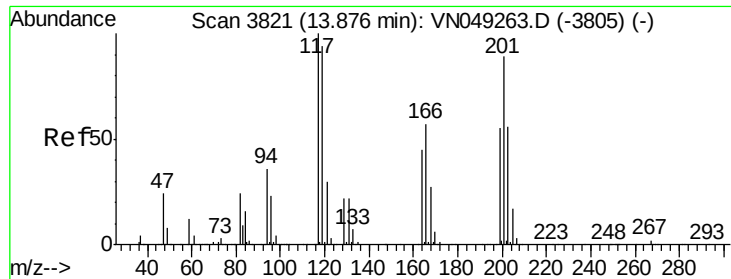
Tot Ion:146 Resp: 5867
 Ion Ratio Lower Upper
 146 100
 111 51.3 19.1 57.1
 148 68.0 32.0 96.2



#89
 n-Butylbenzene
 Concen: 0.61 ug/l
 RT: 13.62 min Scan# 3740
 Delta R.T. -0.00 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

Tgt Ion: 91 Resp: 19654
 Ion Ratio Lower Upper
 91 100
 92 46.9 25.1 75.4
 134 21.2 12.0 36.0





#90

Hexachloroethane

Concen: Below Cal

RT: 13.90 min Scan# 3827

Delta R.T. 0.02 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

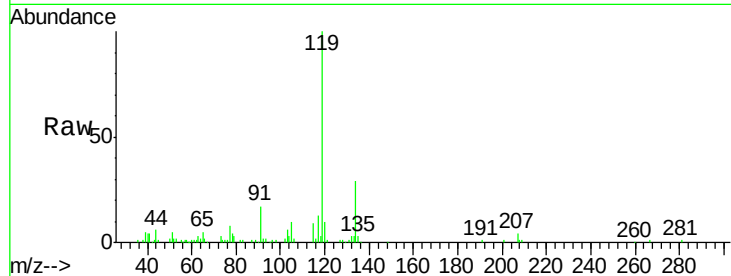
ClientSampled :

Tot Ion:117 Resp: 8677

Ion Ratio Lower Upper

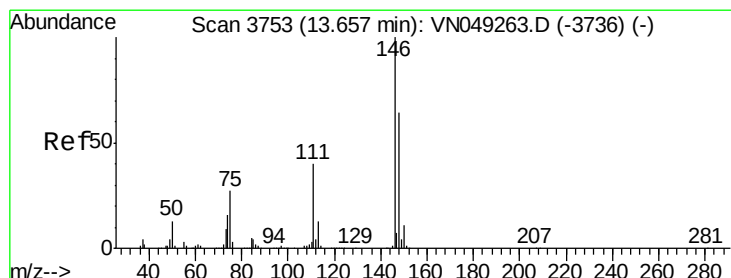
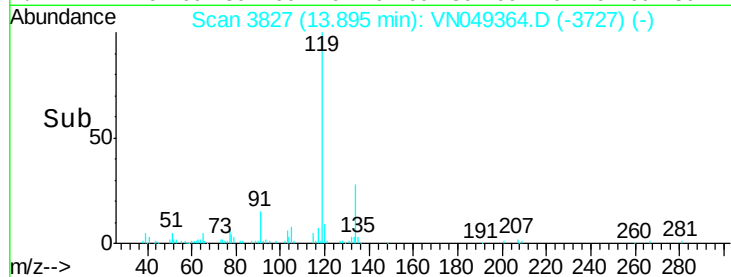
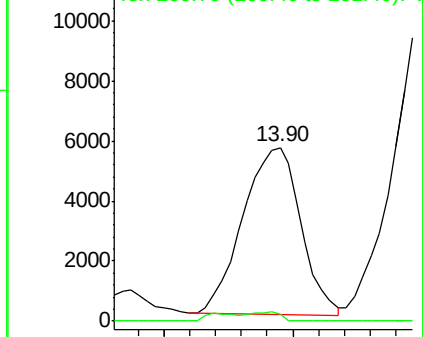
117 100

201 2.9 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.27 ug/l

RT: 13.66 min Scan# 3754

Delta R.T. 0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

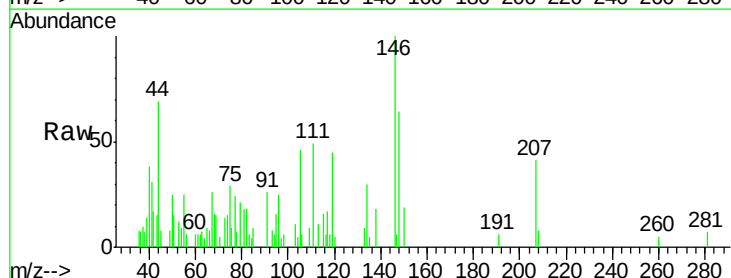
Tgt Ion:146 Resp: 6255

Ion Ratio Lower Upper

146 100

111 45.3 20.8 62.2

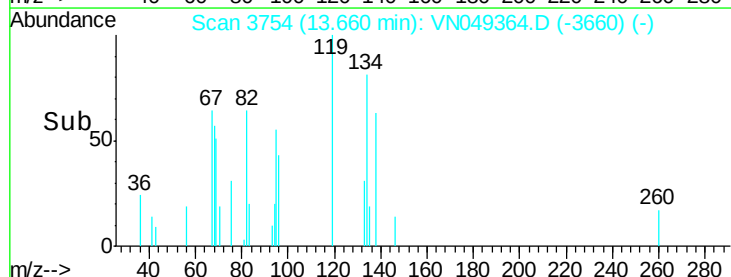
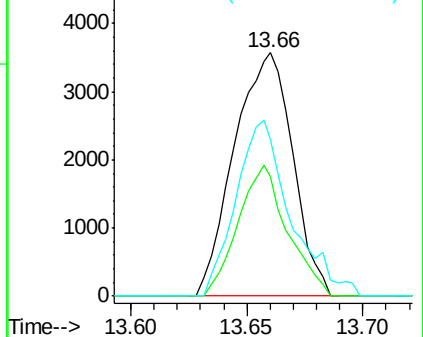
148 67.6 32.0 96.2

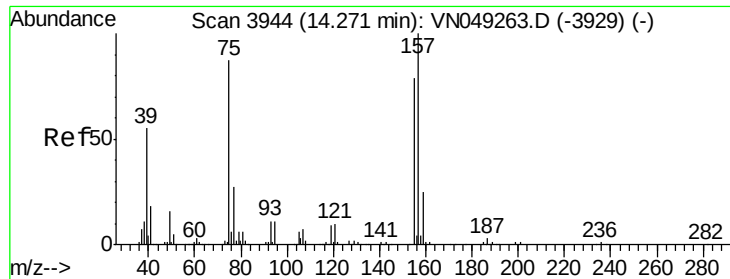


Abundance Ion 145.90 (145.60 to 146.60): V

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: 0.54 ug/l

RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

Instrument :

MSVOA_N

ClientSampleId :

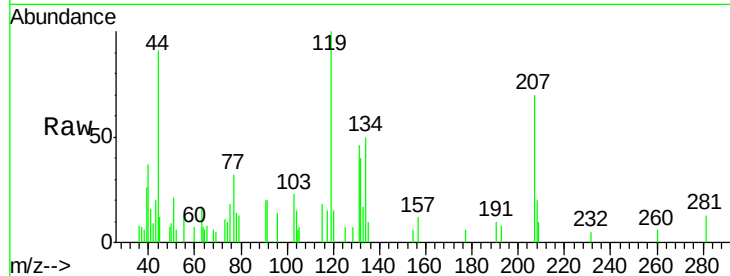
Tot Ion: 75 Resp: 1006

Ion Ratio Lower Upper

75 100

155 19.9 38.8 116.3#

157 0.0 51.0 153.1#

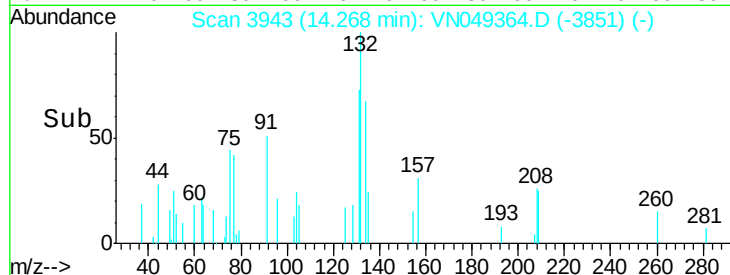


Abundance Ion 74.90 (74.60 to 75.60): VN049263.D (-3929) (-)

Ion 154.80 (154.50 to 155.50): VN049263.D (-3929) (-)

Ion 156.80 (156.50 to 157.50): VN049263.D (-3929) (-)

Time-->

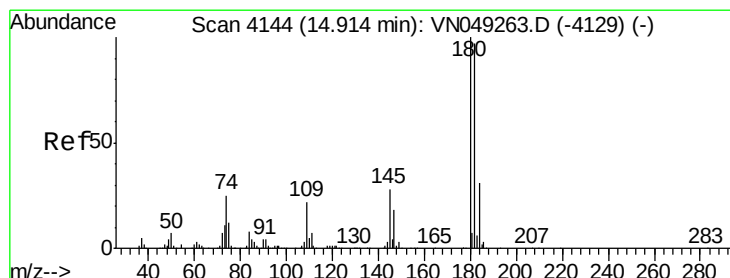


Abundance Ion 74.90 (74.60 to 75.60): VN049364.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049364.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049364.D (-3851) (-)

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 5.97 ug/l

RT: 14.91 min Scan# 4143

Delta R.T. -0.00 min

Lab File: VN049364.D

Acq: 19 Jun 2018 1:06

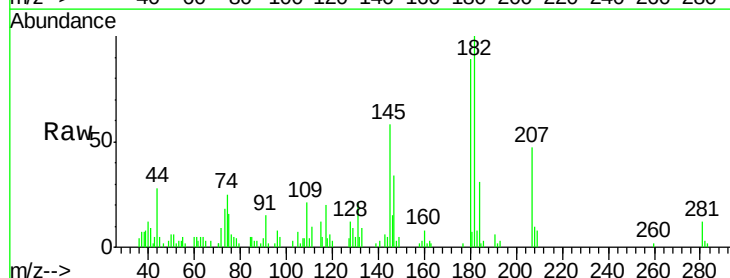
Tgt Ion: 180 Resp: 14126

Ion Ratio Lower Upper

180 100

182 103.3 46.9 140.8

145 79.0 14.7 44.1#

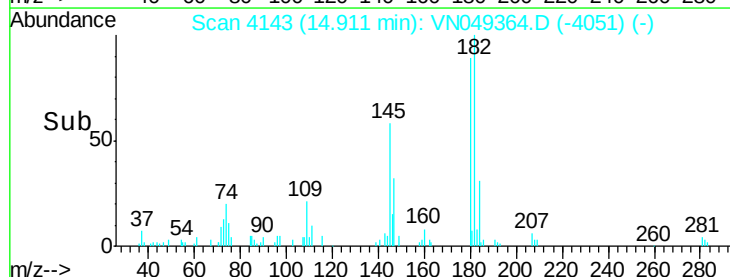


Abundance Ion 179.80 (179.50 to 180.50): VN049263.D (-4129) (-)

Ion 181.80 (181.50 to 182.50): VN049263.D (-4129) (-)

Ion 144.80 (144.50 to 145.50): VN049263.D (-4129) (-)

Time-->

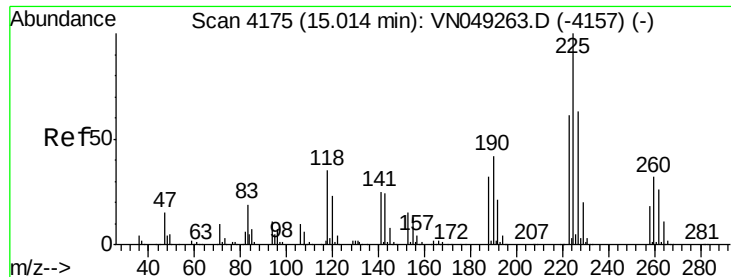


Abundance Ion 179.80 (179.50 to 180.50): VN049364.D (-4051) (-)

Ion 181.80 (181.50 to 182.50): VN049364.D (-4051) (-)

Ion 144.80 (144.50 to 145.50): VN049364.D (-4051) (-)

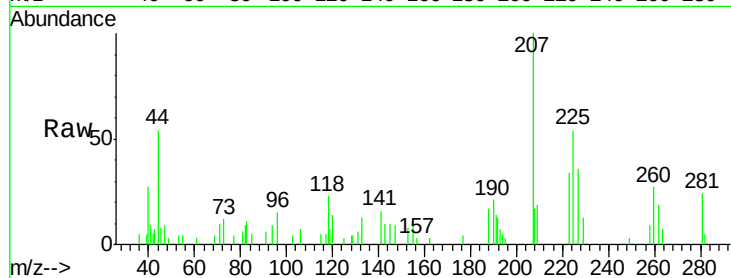
Time-->



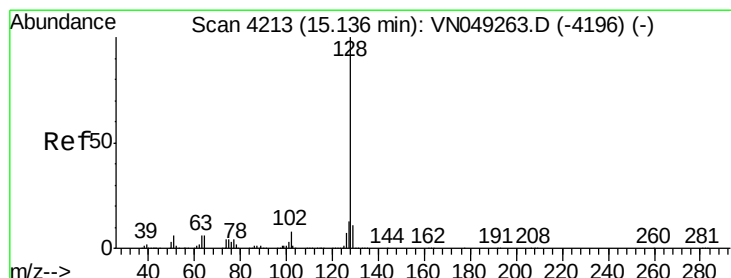
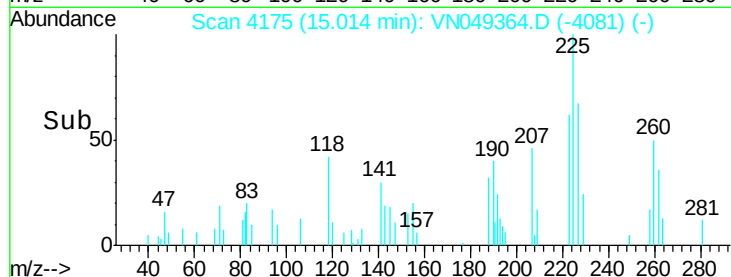
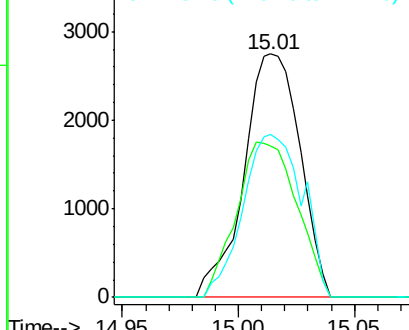
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4175
Delta R.T. 0.00 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:225 Resp: 4631
Ion Ratio Lower Upper
225 100
223 68.7 32.1 96.3
227 71.2 31.8 95.3

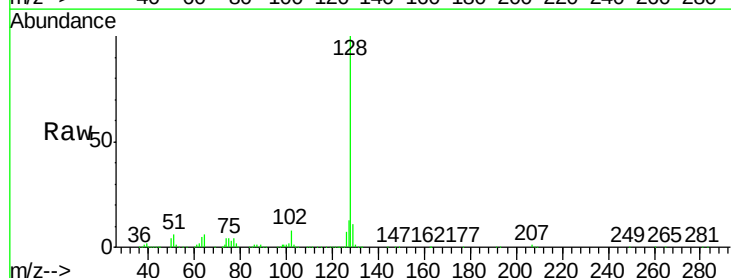


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

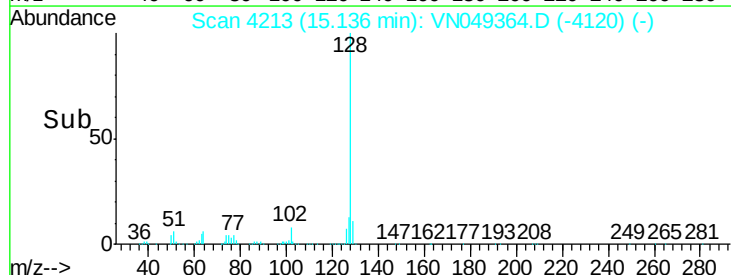
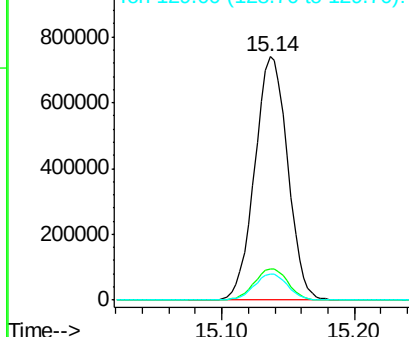


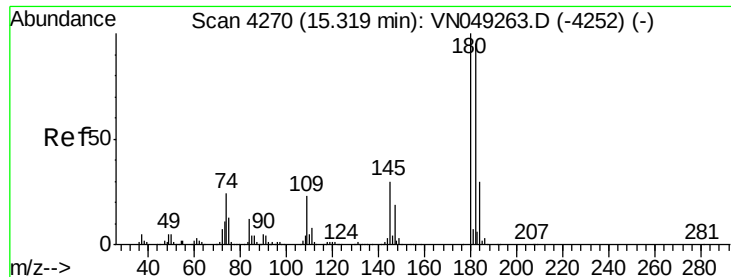
#95
Naphthalene
Concen: 65.51 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049364.D
Acq: 19 Jun 2018 1:06

Tgt Ion:128 Resp: 1275391
Ion Ratio Lower Upper
128 100
127 13.1 10.6 16.0
129 10.7 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: 4.94 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049364.D
 Acq: 19 Jun 2018 1:06

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	141.8
145	106.2	15.6	46.7

