

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049369.D
 Acq On : 19 Jun 2018 3:15
 Operator : MD\SY
 Sample : J3567-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 04:00:41 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	1240754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1968509	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1628512	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	656014	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	822165	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
35) Dibromofluoromethane	7.59	113	726898	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
50) Toluene-d8	10.09	98	2664765	43.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.88%	
62) 4-Bromofluorobenzene	12.40	95	772469	38.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.04%	

Target Compounds

						Qvalue
3) Chloromethane	2.05	50	3887	0.21	ug/l	90
5) Bromomethane	2.57	94	4566	0.44	ug/l #	80
11) Tert butyl alcohol	4.75	59	2675	2.77	ug/l #	70
13) Acrolein	3.61	56	349	0.34	ug/l #	83
14) Allyl chloride	4.55	41	294419	13.11	ug/l #	20
16) Acetone	3.83	43	31254	7.82	ug/l #	85
18) Methyl Acetate	4.33	43	117270	9.63	ug/l	100
20) Methylene Chloride	4.55	84	8412715	504.11	ug/l	92
25) 2-Butanone	6.85	43	6136	1.14	ug/l #	83
30) Chloroform	7.37	83	23582	0.83	ug/l	90
31) Cyclohexane	7.66	56	25061	0.86	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	87196	3.86	ug/l #	50
38) Carbon Tetrachloride	7.67	117	113362	4.85	ug/l #	16
40) Benzene	8.04	78	19919	0.29	ug/l	91
43) Isopropyl Acetate	8.19	43	433299	18.49	ug/l #	64
44) Trichloroethene	8.84	130	8283	0.45	ug/l	89
47) Bromodichloromethane	9.41	83	9927	0.43	ug/l	89
51) 4-Methyl-2-Pentanone	9.98	43	4430	0.36	ug/l	96
52) Toluene	10.16	92	83259	2.05	ug/l	97
64) Tetrachloroethene	10.63	164	5303	0.32	ug/l #	88
65) Chlorobenzene	11.44	112	14114	0.34	ug/l	96
67) Ethyl Benzene	11.51	91	140027	2.01	ug/l	97
68) m/p-Xylenes	11.62	106	117451	4.50	ug/l	95
69) o-Xylene	11.95	106	53812	2.14	ug/l	98
70) Styrene	11.97	104	63377	1.60	ug/l	97
73) Isopropylbenzene	12.25	105	25303	0.44	ug/l	96
74) N-amyl acetate	12.05	43	3625	0.26	ug/l #	54
75) 1,1,2,2-Tetrachloroethane	12.51	83	33	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	373175	33.34	ug/l #	100
78) n-propylbenzene	12.59	91	50576	0.80	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	82325	1.82	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	373175	105.37	ug/l #	8
84) 1,2,4-Trimethylbenzene	13.04	105	295916	6.58	ug/l	100
85) sec-Butylbenzene	13.17	105	22358	0.42	ug/l	80

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

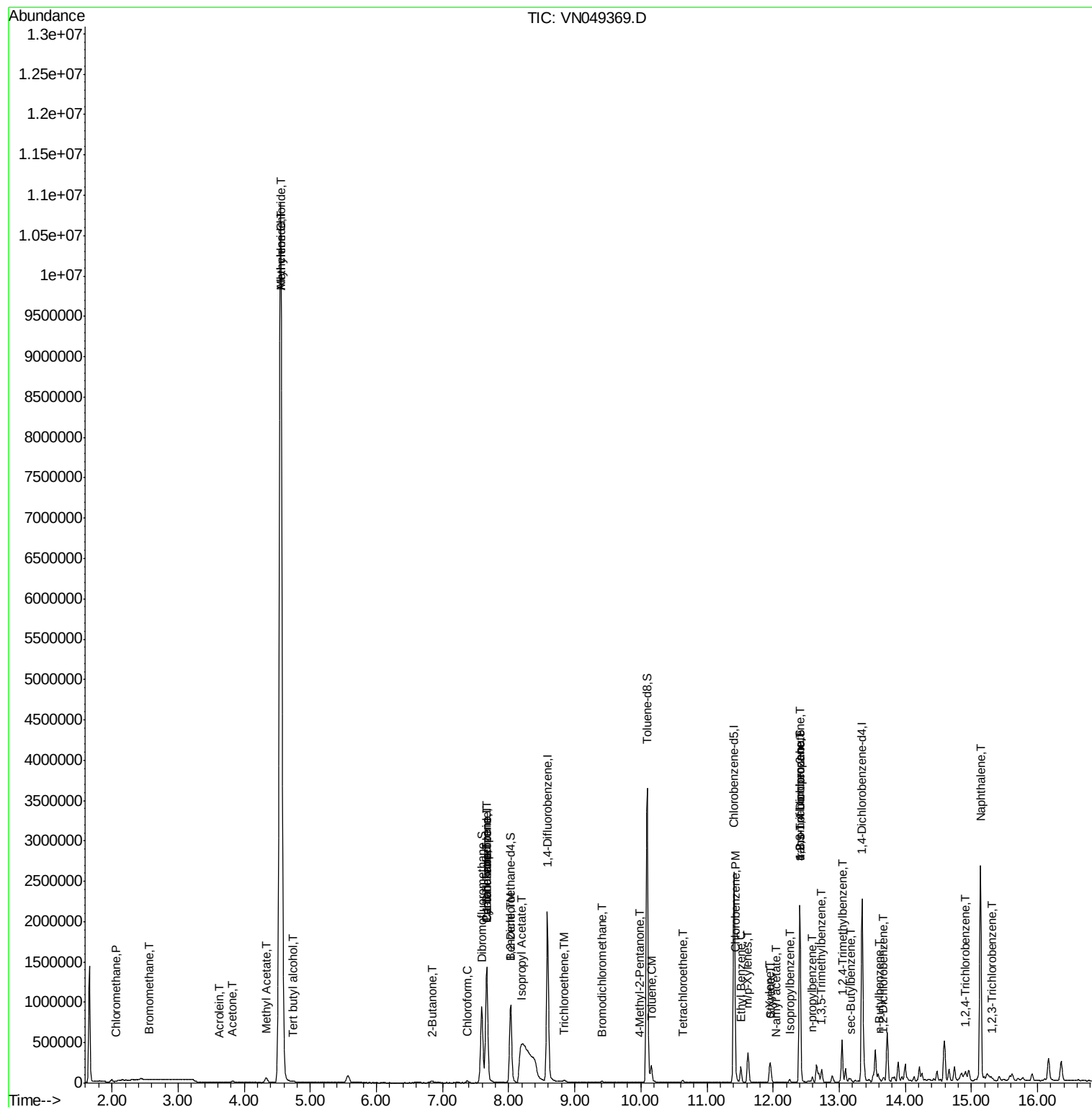
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
89) n-Butylbenzene	13.62	91	21174	0.61	ug/l #	74
90) Hexachloroethane	13.89	117	14197	Below Cal	#	9
91) 1,2-Dichlorobenzene	13.66	146	7980	0.33	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	29500	7.12	ug/l #	86
95) Naphthalene	15.14	128	2303285	99.73	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	6407	4.00	ug/l #	66

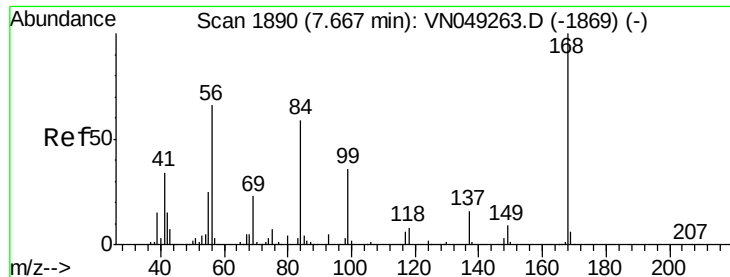
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

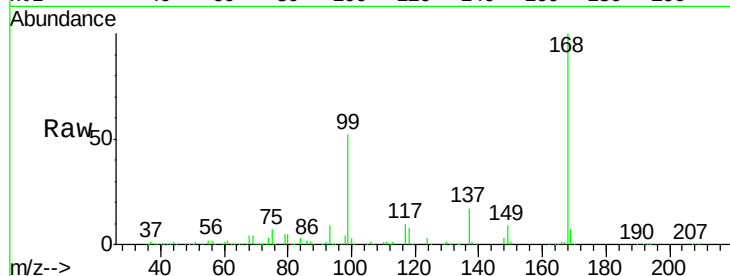
ClientSampleId :

Tot Ion:168 Resp: 1240754

Ion Ratio Lower Upper

168 100

99 52.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

500000

400000

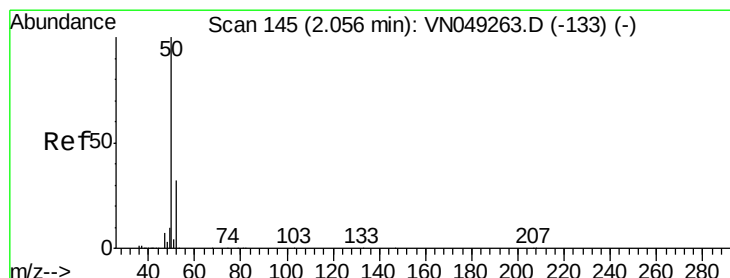
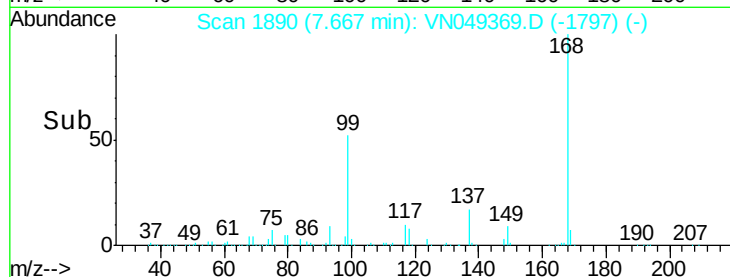
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049369.D

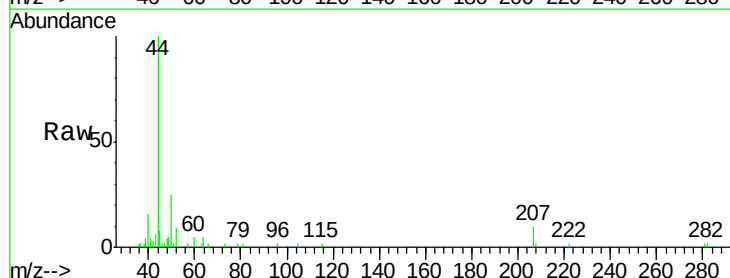
Acq: 19 Jun 2018 3:15

Tgt Ion: 50 Resp: 3887

Ion Ratio Lower Upper

50 100

52 37.2 25.2 37.8



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.05

3000

2500

2000

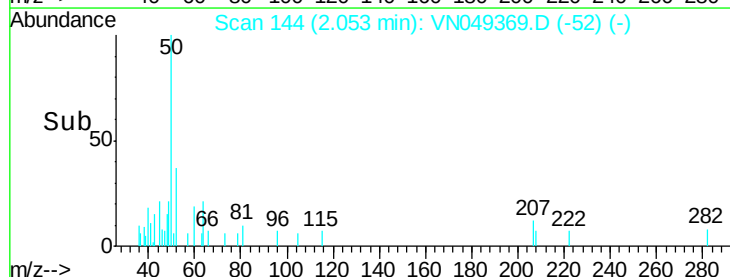
1500

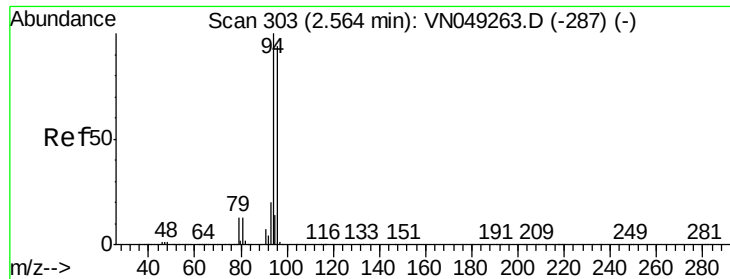
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.44 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

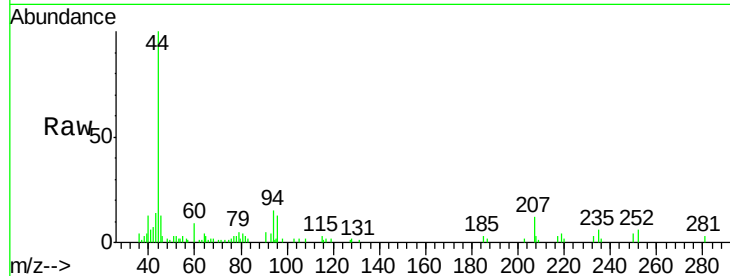
ClientSampled :

Tot Ion: 94 Resp: 4566

Ion Ratio Lower Upper

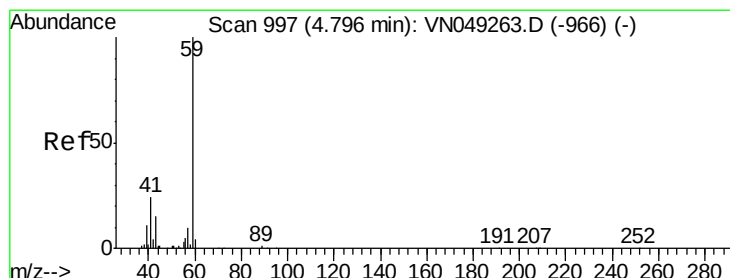
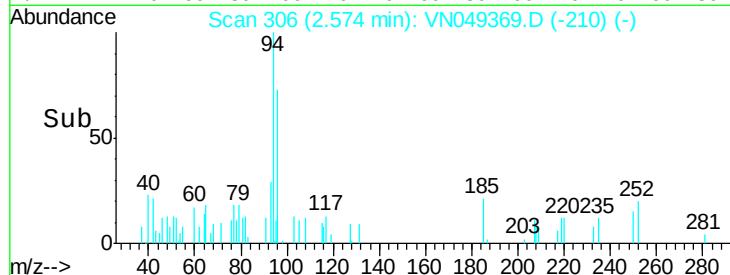
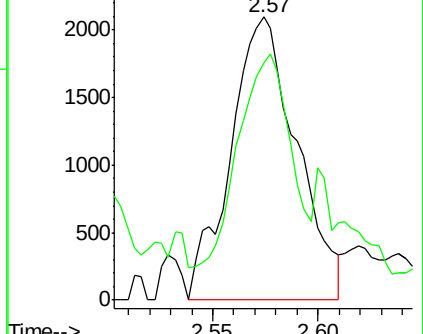
94 100

96 72.2 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 2.77 ug/l

RT: 4.75 min Scan# 982

Delta R.T. -0.05 min

Lab File: VN049369.D

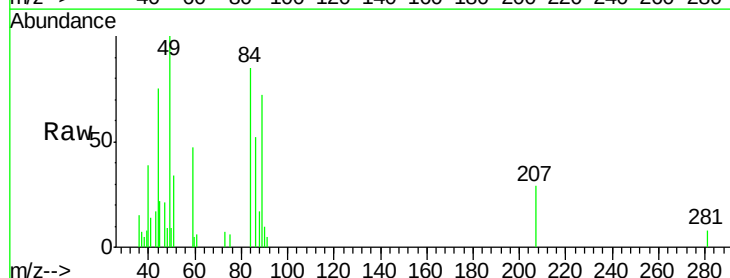
Acq: 19 Jun 2018 3:15

Tgt Ion: 59 Resp: 2675

Ion Ratio Lower Upper

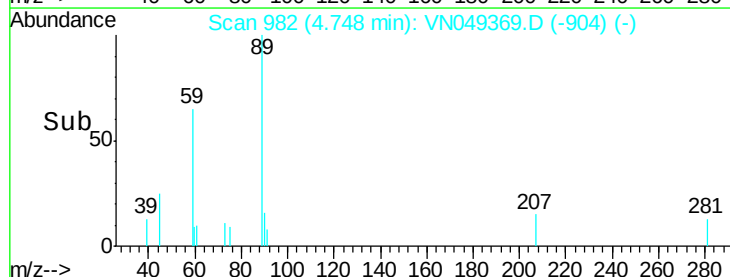
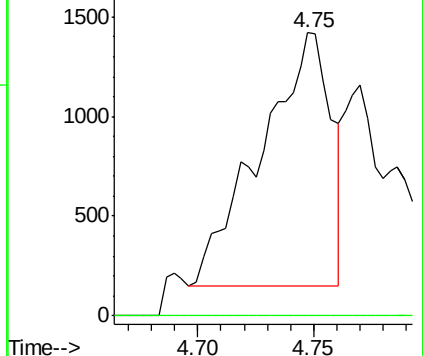
59 100

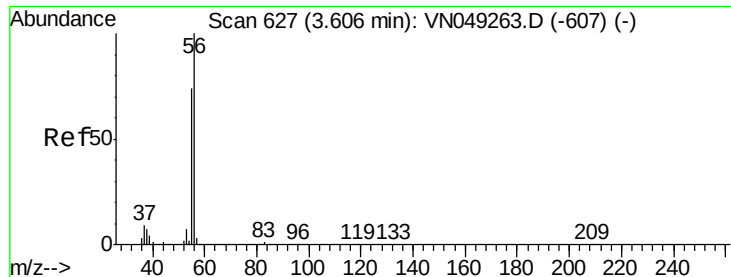
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.34 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

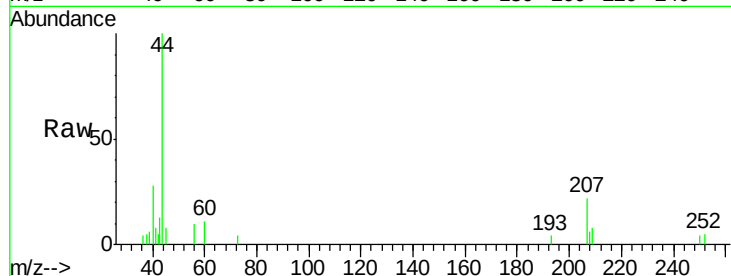
ClientSampleId :

Tot Ion: 56 Resp: 349

Ion Ratio Lower Upper

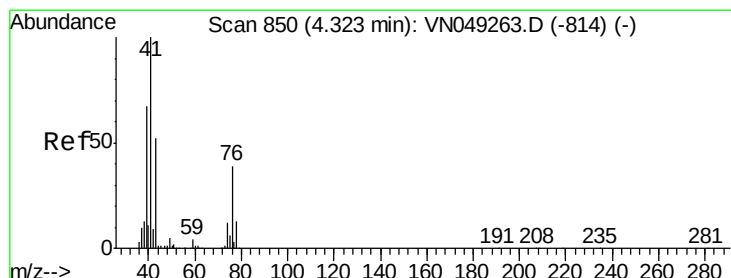
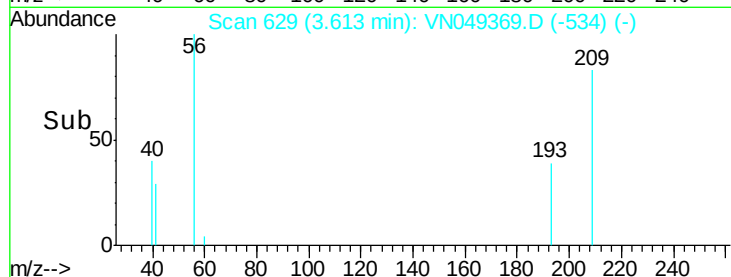
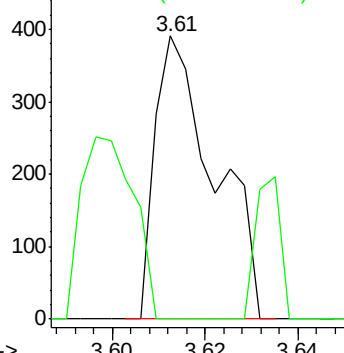
56 100

55 57.0 57.1 85.7#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 13.11 ug/l

RT: 4.55 min Scan# 921

Delta R.T. 0.23 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

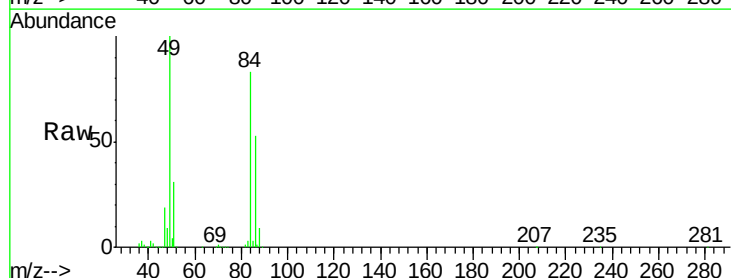
Tgt Ion: 41 Resp: 294419

Ion Ratio Lower Upper

41 100

39 0.9 62.5 93.7#

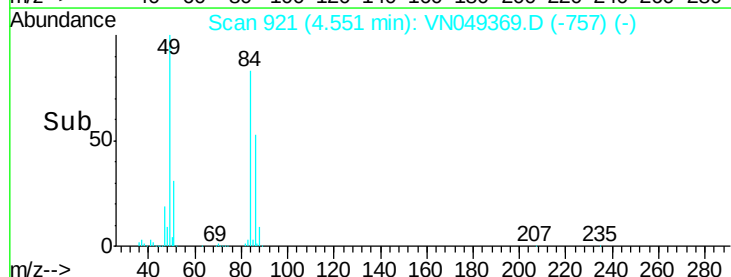
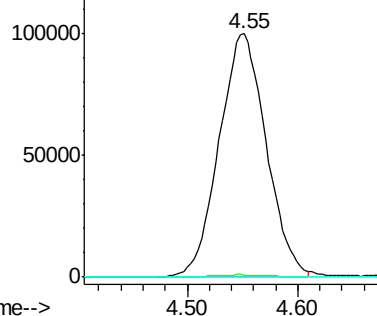
76 0.0 27.1 40.7#

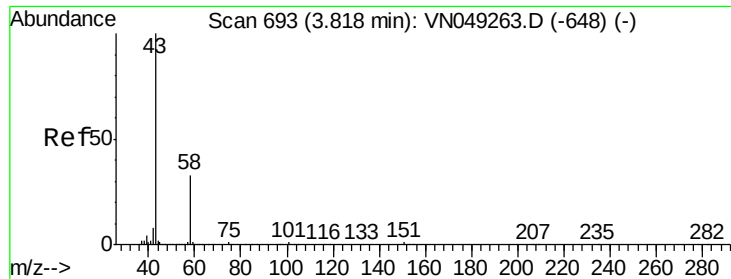


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#16

Acetone

Concen: 7.82 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

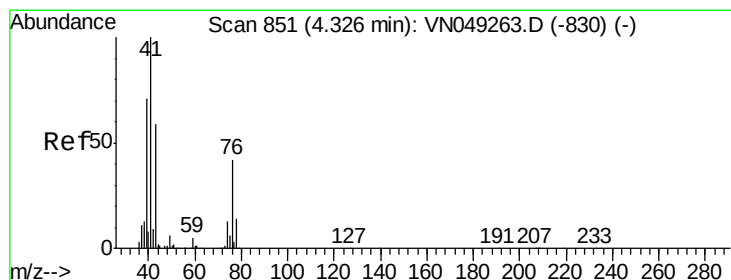
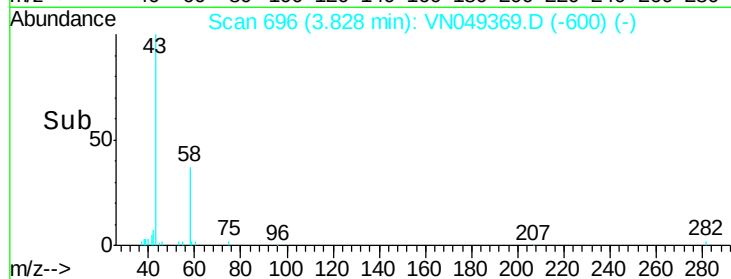
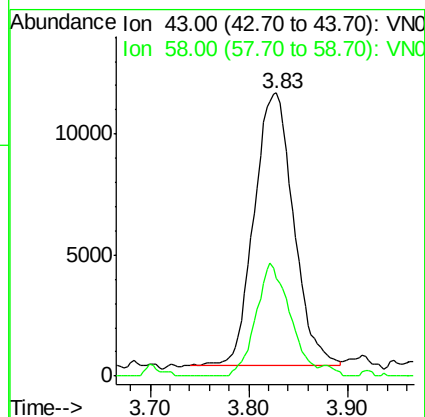
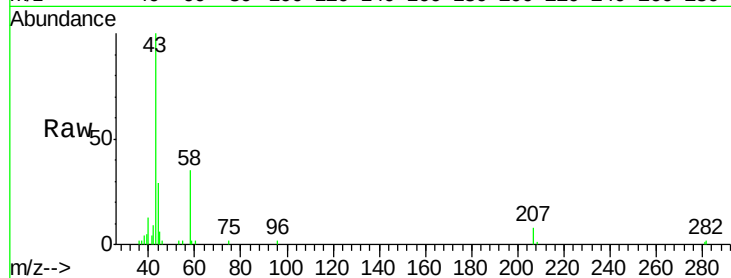
ClientSampled :

Tot Ion: 43 Resp: 31254

Ion Ratio Lower Upper

43 100

58 36.0 22.4 33.6#



#18

Methyl Acetate

Concen: 9.63 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN049369.D

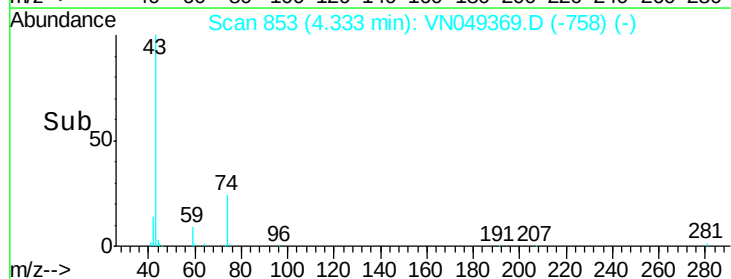
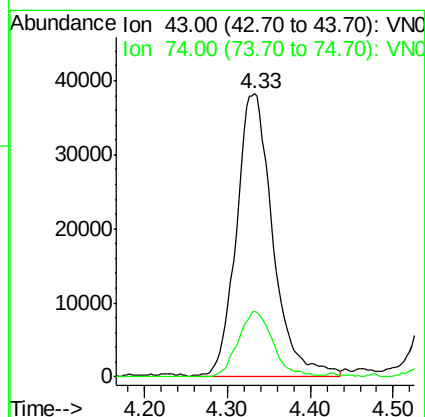
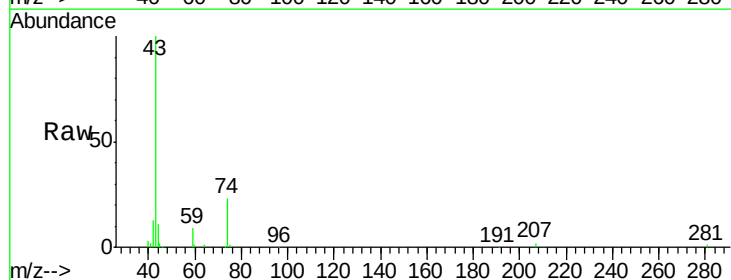
Acq: 19 Jun 2018 3:15

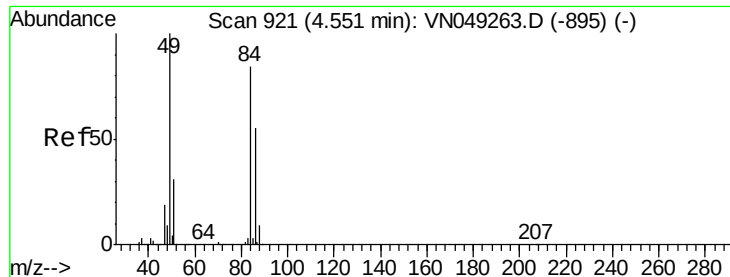
Tgt Ion: 43 Resp: 117270

Ion Ratio Lower Upper

43 100

74 21.9 17.4 26.0

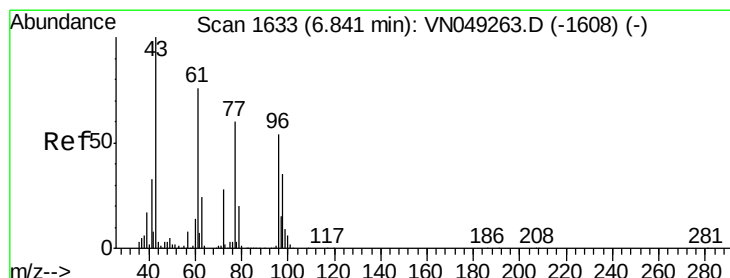
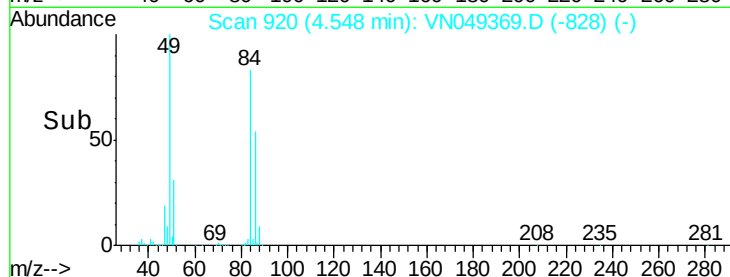
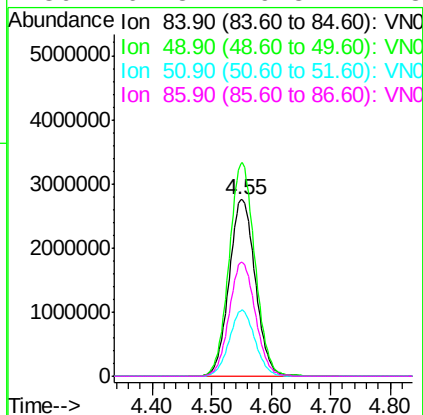
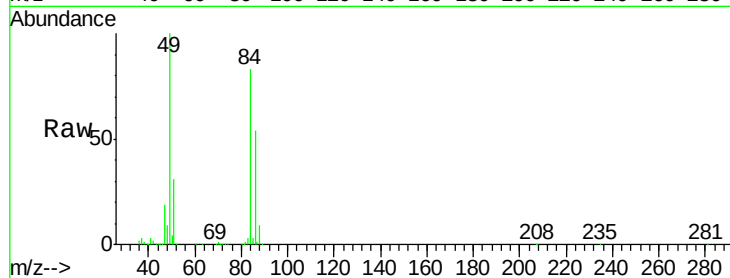




#20
Methylene Chloride
Concen: 504.11 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

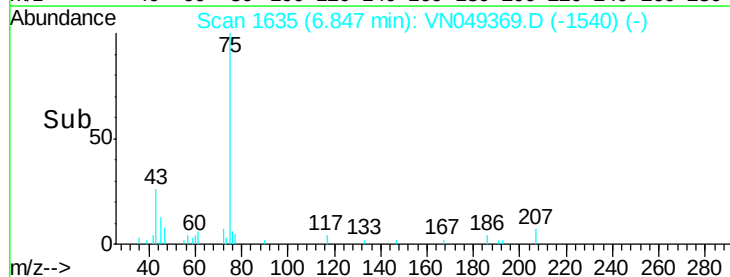
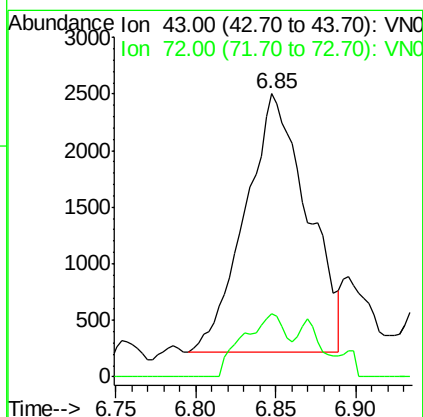
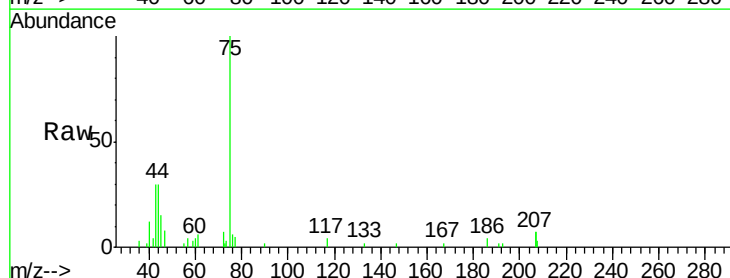
Instrument :
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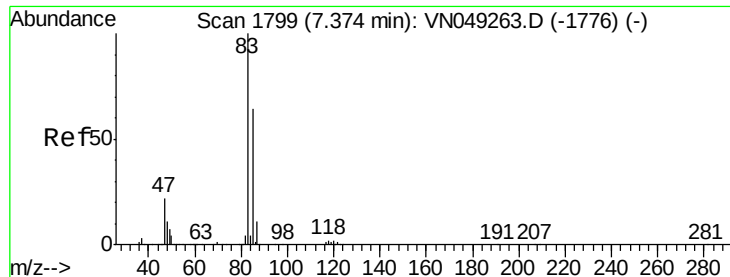
Tot Ion: 84 Resp: 8412715
Ion Ratio Lower Upper
84 100
49 120.6 106.9 160.3
51 37.4 32.7 49.1
86 64.8 49.8 74.8



#25
2-Butanone
Concen: 1.14 ug/l
RT: 6.85 min Scan# 1635
Delta R.T. 0.01 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

Tgt Ion: 43 Resp: 6136
Ion Ratio Lower Upper
43 100
72 33.6 20.2 30.2#

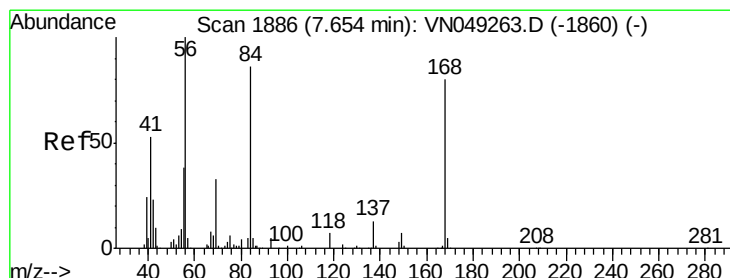
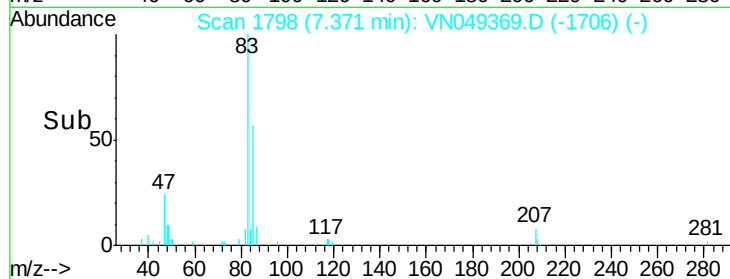
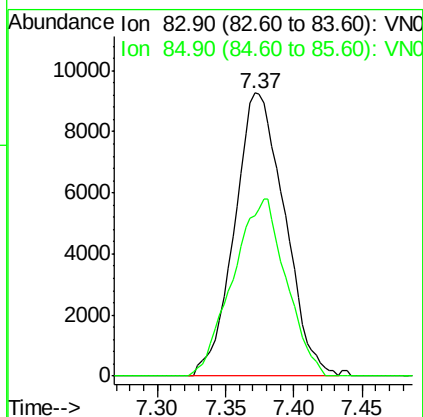
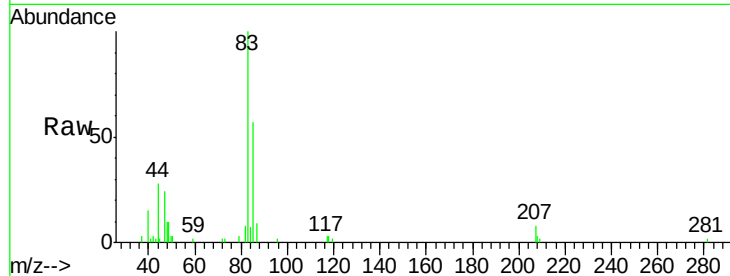




#30
Chloroform
Concen: 0.83 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

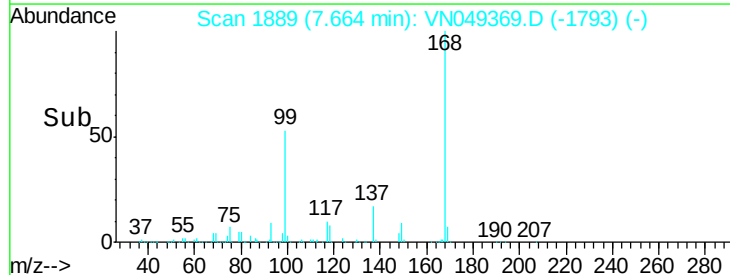
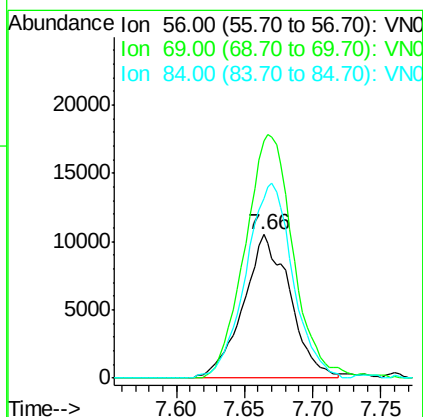
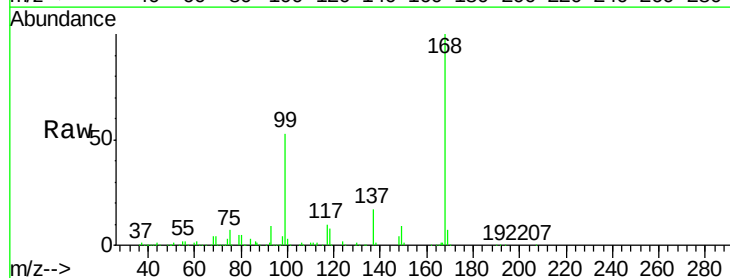
Instrument :
MSVOA_N
ClientSampled :

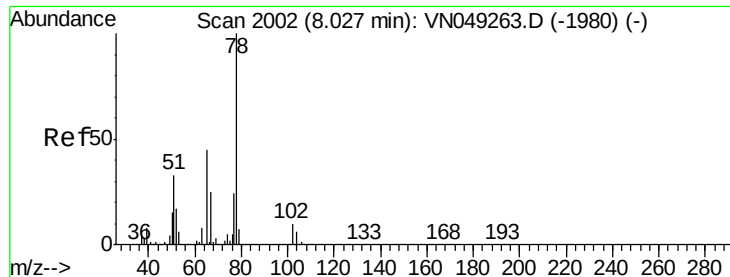
Tot Ion: 83 Resp: 23582
Ion Ratio Lower Upper
83 100
85 56.5 51.7 77.5



#31
Cyclohexane
Concen: 0.86 ug/l
RT: 7.66 min Scan# 1889
Delta R.T. 0.01 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

Tgt Ion: 56 Resp: 25061
Ion Ratio Lower Upper
56 100
69 165.6 25.0 37.4#
84 125.4 64.6 96.8#

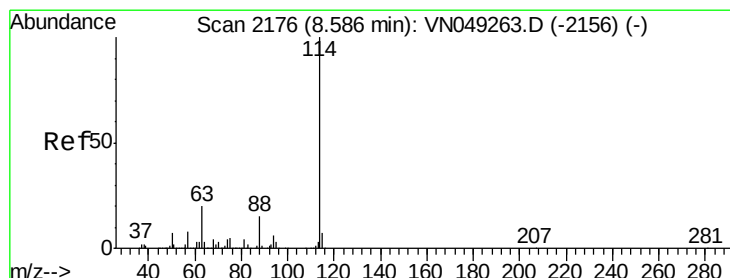
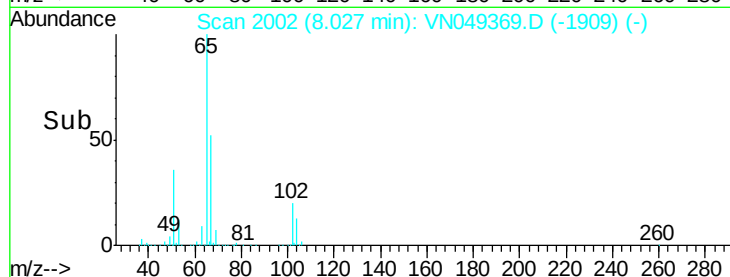
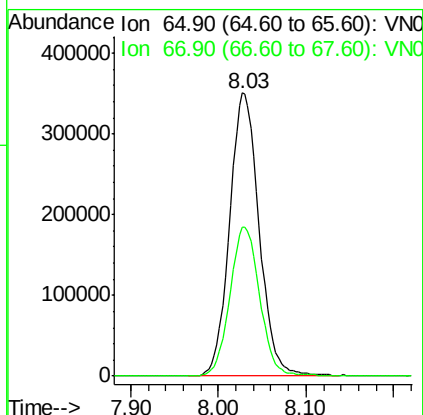
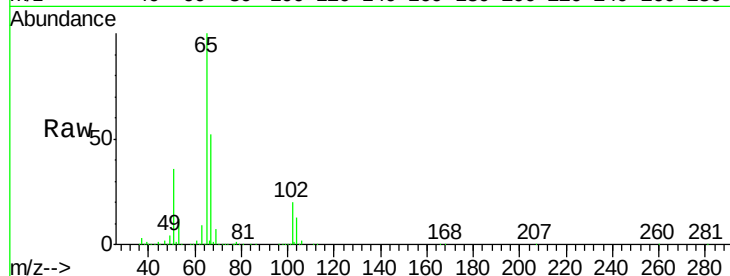




#33
 1,2-Dichloroethane-d4
 Concen: 49.96 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN049369.D
 Acq: 19 Jun 2018 3:15

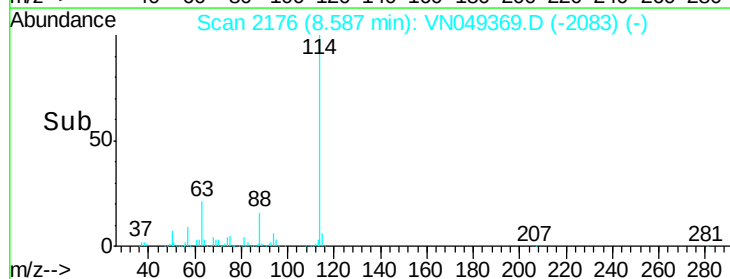
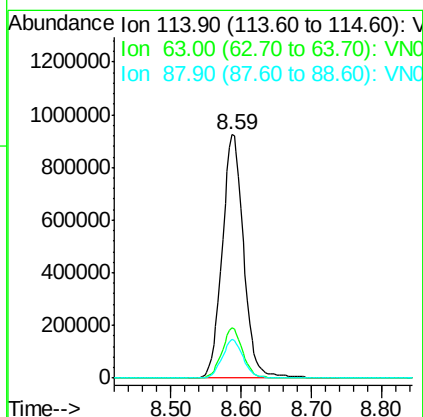
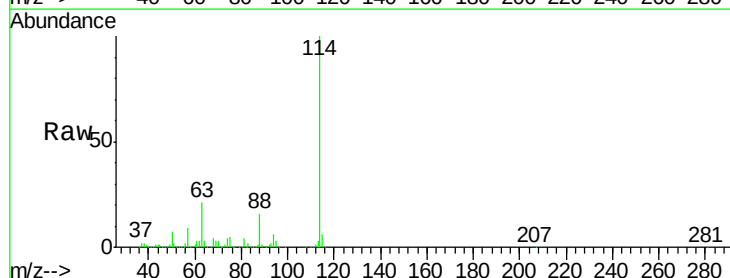
Instrument :
 MSVOA_N
 ClientSampleId :

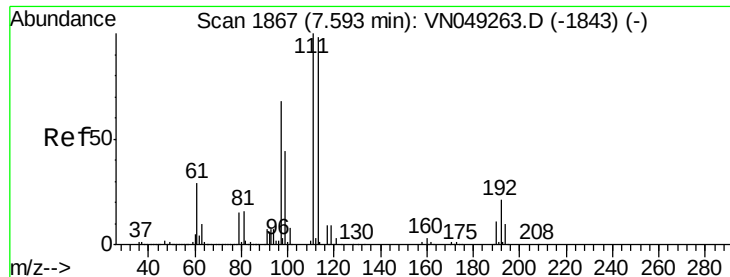
Tot Ion: 65 Resp: 822165
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049369.D
 Acq: 19 Jun 2018 3:15

Tgt Ion: 114 Resp: 1968509
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 44.4
 88 15.7 0.0 31.4

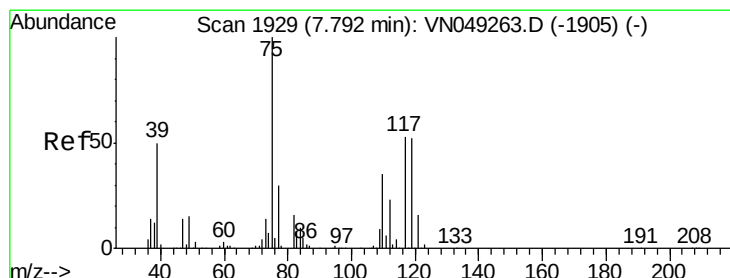
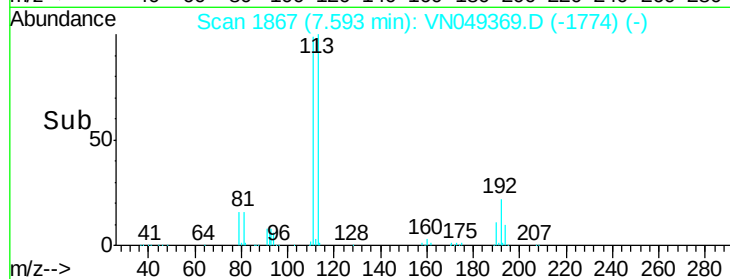
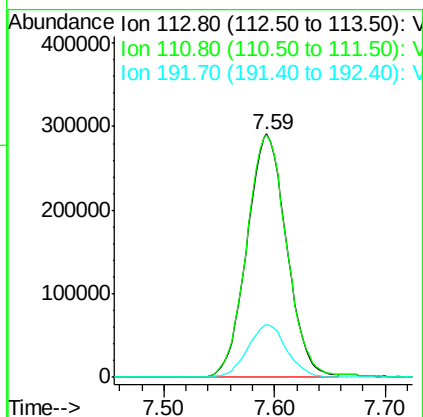
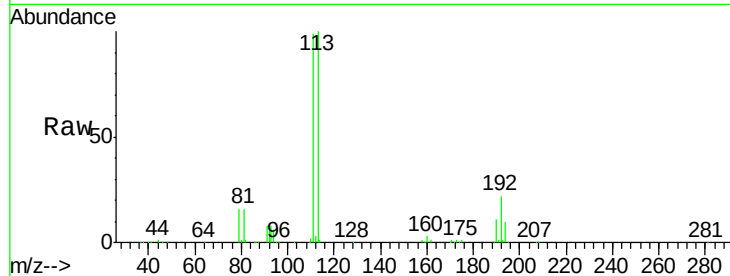




#35
 Dibromofluoromethane
 Concen: 45.64 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049369.D
 Acq: 19 Jun 2018 3:15

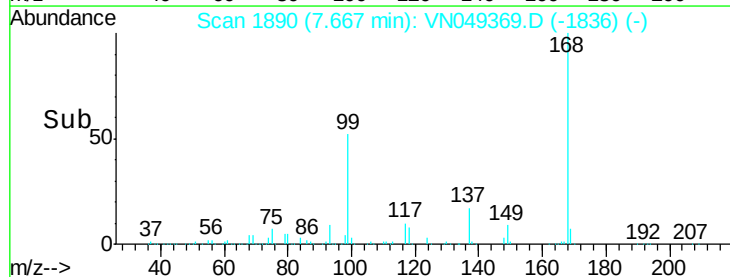
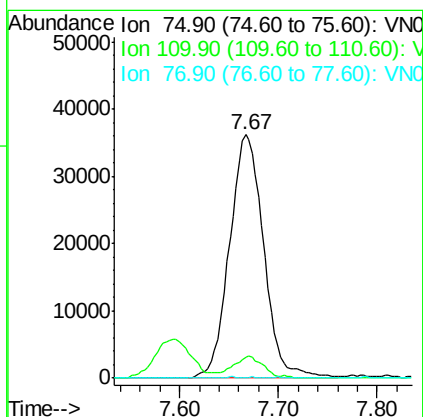
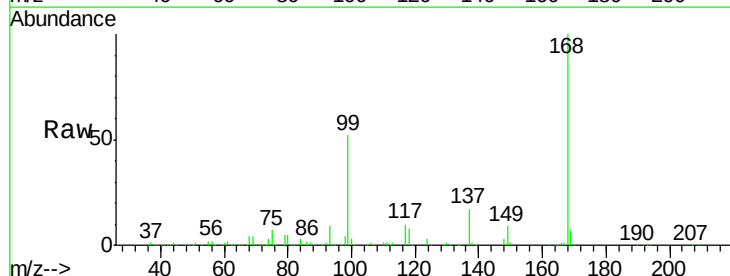
Instrument :
 MSVOA_N
 ClientSampleId :

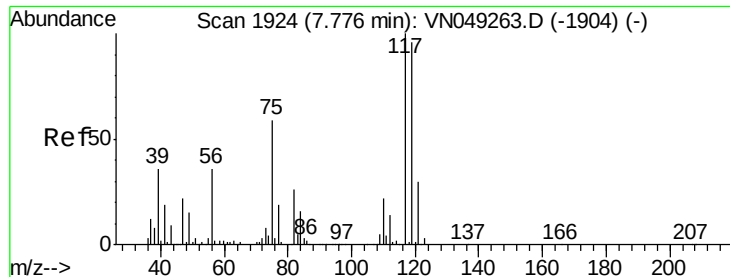
Tot Ion:113 Resp: 726898
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.4 123.6
 192 21.3 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 3.86 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049369.D
 Acq: 19 Jun 2018 3:15

Tgt Ion: 75 Resp: 87196
 Ion Ratio Lower Upper
 75 100
 110 7.8 17.0 50.9#
 77 0.1 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 4.85 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.11 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :
MSVOA_N
ClientSampled :

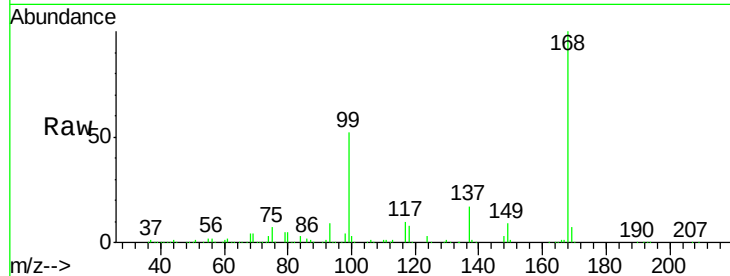
Tot Ion:117 Resp: 113362

Ion Ratio Lower Upper

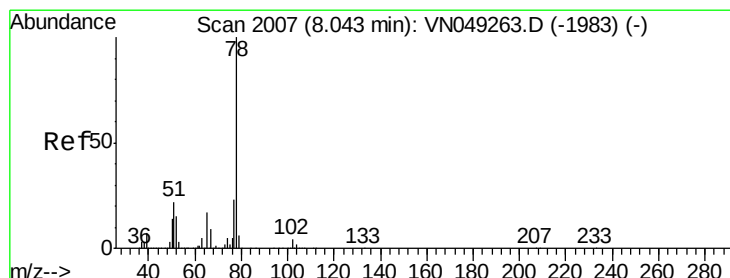
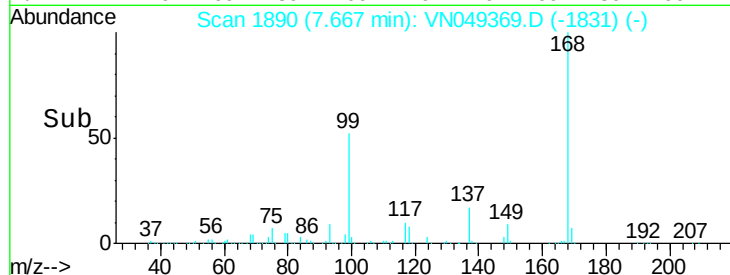
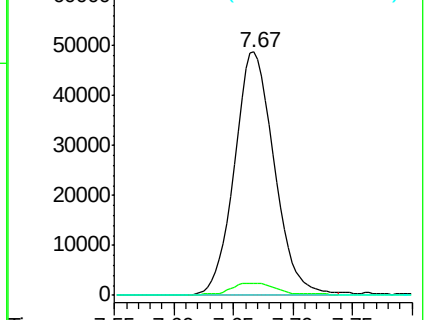
117 100

119 5.0 75.6 113.4#

121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.29 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VN049369.D

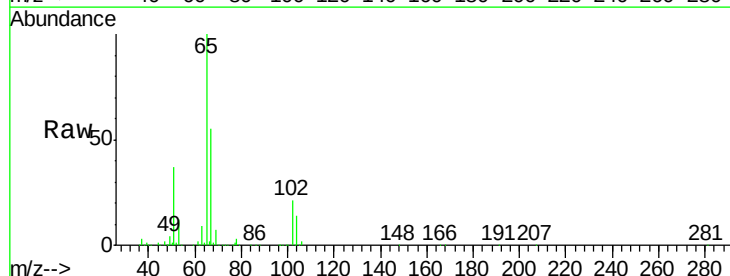
Acq: 19 Jun 2018 3:15

Tgt Ion: 78 Resp: 19919

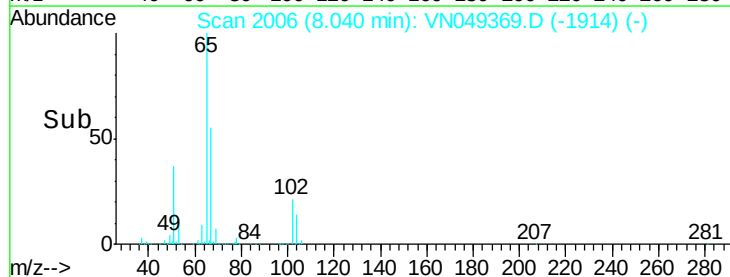
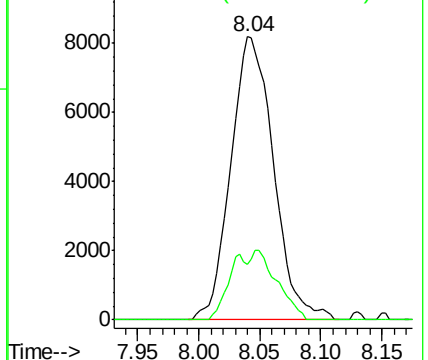
Ion Ratio Lower Upper

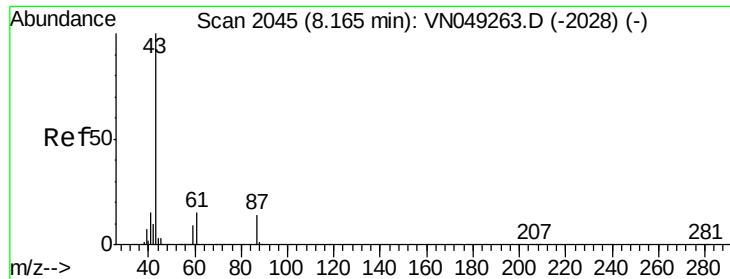
78 100

77 19.7 19.4 29.0



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#43

Isopropyl Acetate

Concen: 18.49 ug/l

RT: 8.19 min Scan# 2054

Delta R.T. 0.03 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

ClientSampleId :

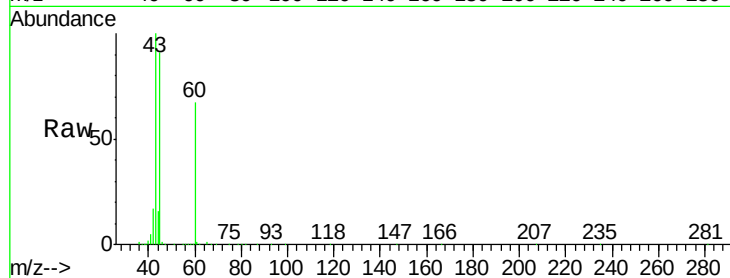
Tot Ion: 43 Resp: 433299

Ion Ratio Lower Upper

43 100

61 0.2 14.2 21.4#

87 0.0 9.4 14.0#

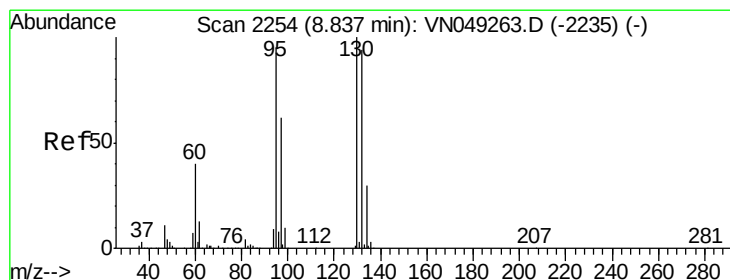
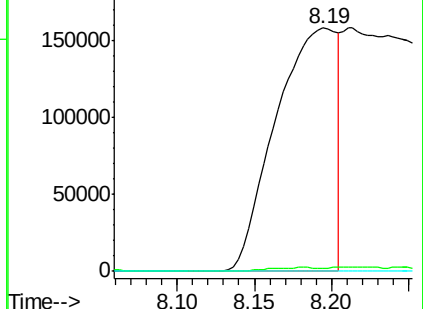
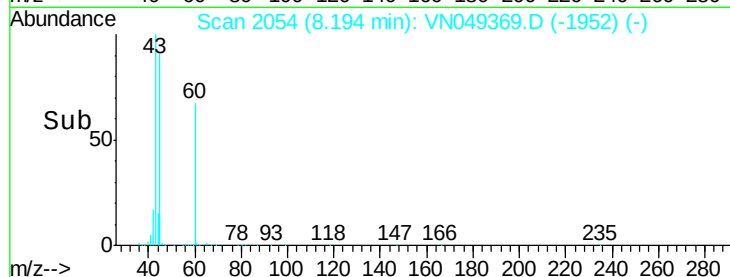


Abundance Ion 43.00 (42.70 to 43.70): VN049263.D (-2028) (-)

Ion 61.00 (60.70 to 61.70): VN049263.D (-2028) (-)

Ion 87.00 (86.70 to 87.70): VN049263.D (-2028) (-)

Time-->



#44

Trichloroethene

Concen: 0.45 ug/l

RT: 8.84 min Scan# 2256

Delta R.T. 0.01 min

Lab File: VN049369.D

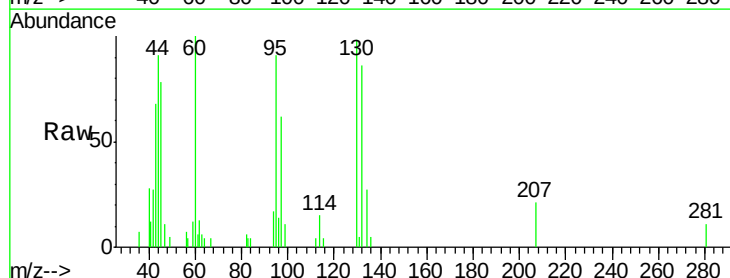
Acq: 19 Jun 2018 3:15

Tgt Ion:130 Resp: 8283

Ion Ratio Lower Upper

130 100

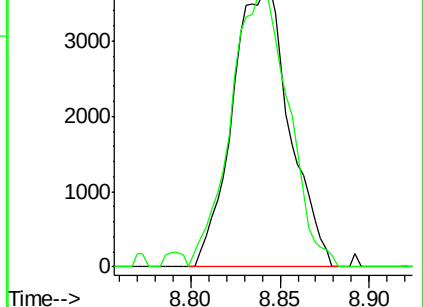
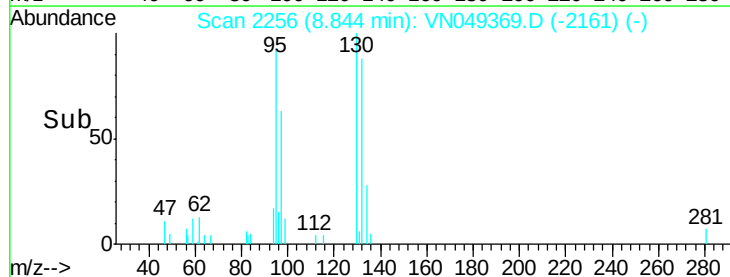
95 92.9 0.0 208.6

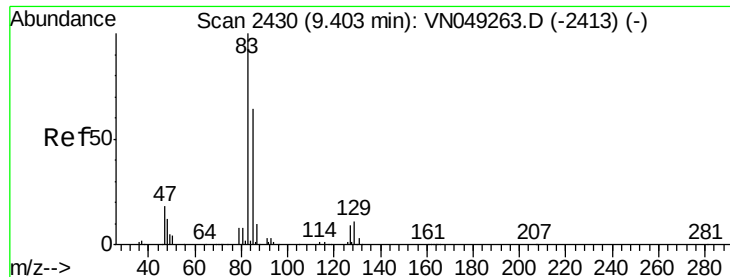


Abundance Ion 129.80 (129.50 to 130.50): VN049263.D (-2235) (-)

Ion 94.90 (94.60 to 95.60): VN049263.D (-2235) (-)

Time-->





#47

Bromodichloromethane

Concen: 0.43 ug/l

RT: 9.41 min Scan# 2432

Delta R.T. 0.01 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

ClientSampleId :

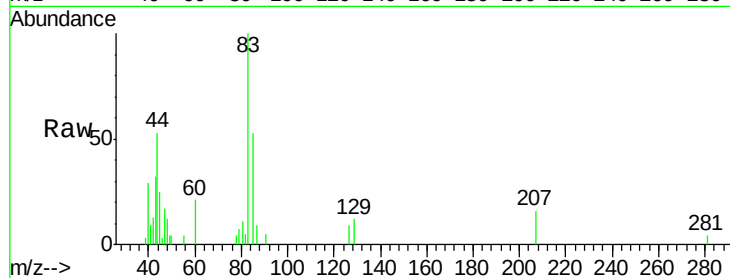
Tot Ion: 83 Resp: 9927

Ion Ratio Lower Upper

83 100

85 52.7 49.4 74.0

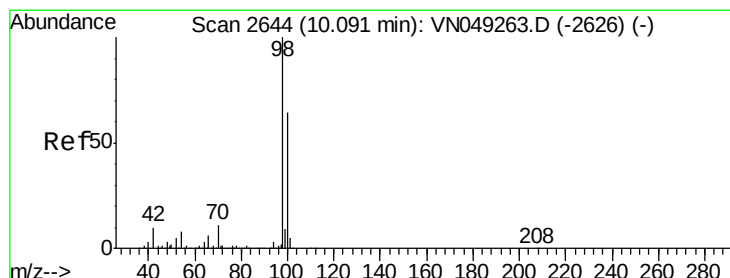
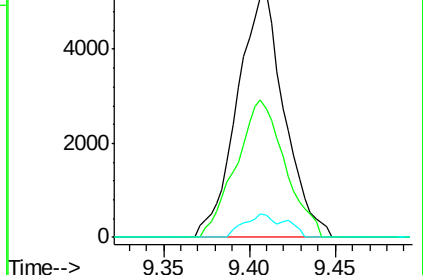
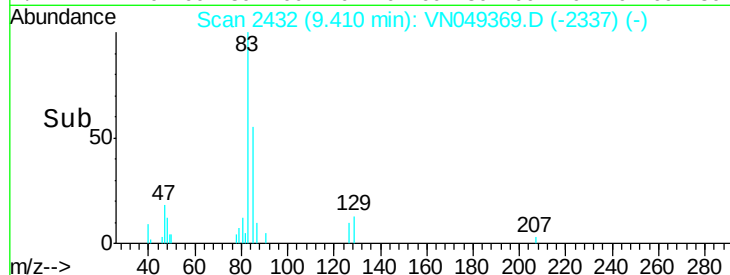
127 9.2 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN049369.D (-2337) (-)

Ion 84.90 (84.60 to 85.60): VN049369.D (-2337) (-)

Ion 126.80 (126.50 to 127.50): VN049369.D (-2337) (-)



#50

Toluene-d8

Concen: 43.94 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049369.D

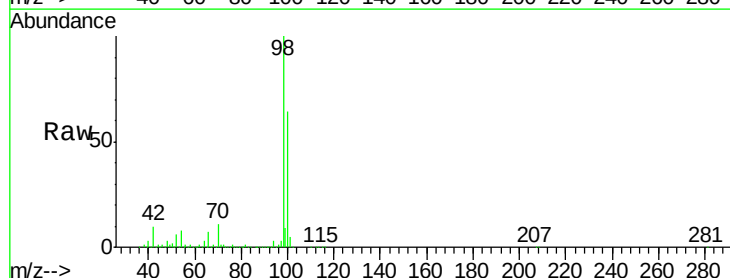
Acq: 19 Jun 2018 3:15

Tgt Ion: 98 Resp: 2664765

Ion Ratio Lower Upper

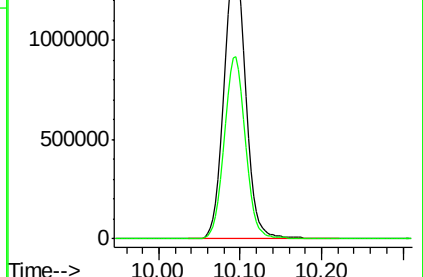
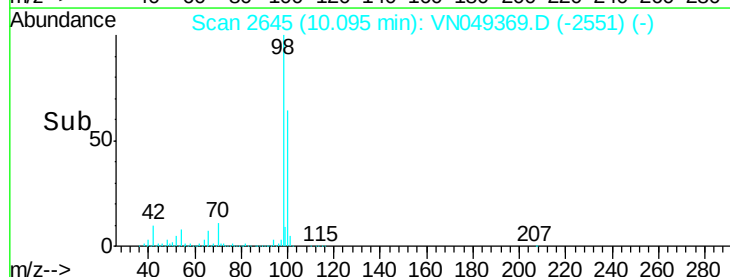
98 100

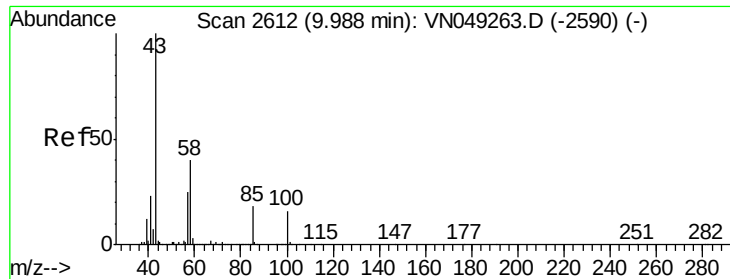
100 63.7 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049369.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049369.D (-2551) (-)

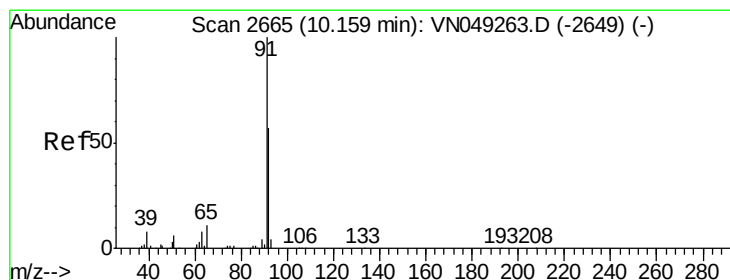
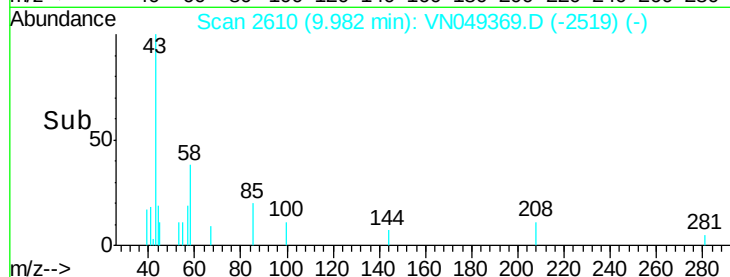
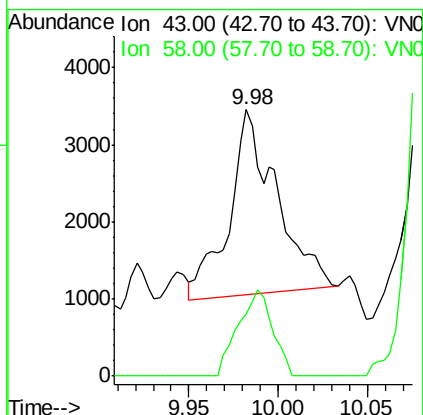
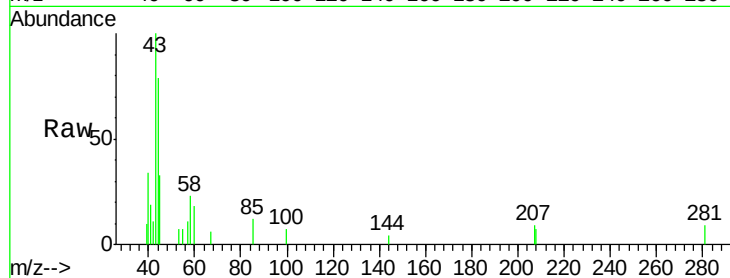




#51
4-Methyl-2-Pentanone
Concen: 0.36 ug/l
RT: 9.98 min Scan# 2610
Delta R.T. -0.01 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

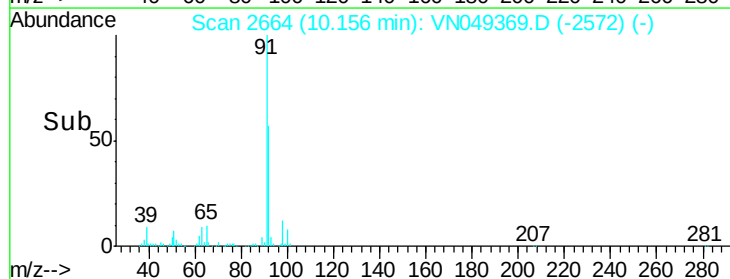
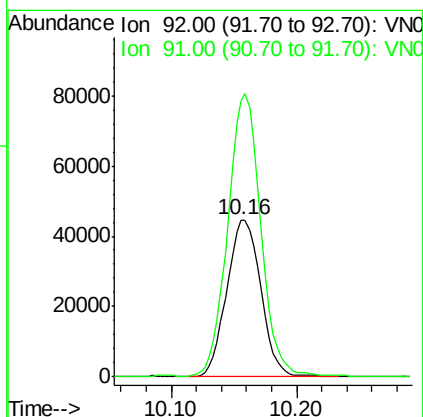
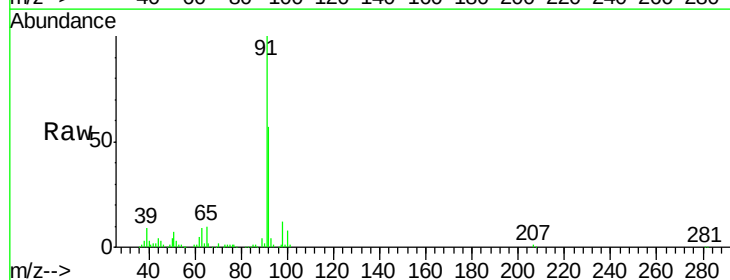
Instrument :
MSVOA_N
ClientSampleId :

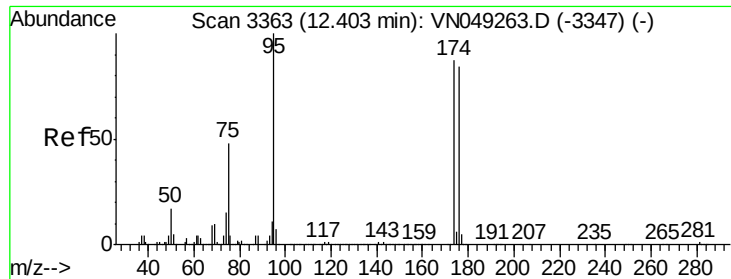
Tot Ion: 43 Resp: 4430
Ion Ratio Lower Upper
43 100
58 33.9 29.0 43.6



#52
Toluene
Concen: 2.05 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

Tgt Ion: 92 Resp: 83259
Ion Ratio Lower Upper
92 100
91 175.5 143.4 215.2

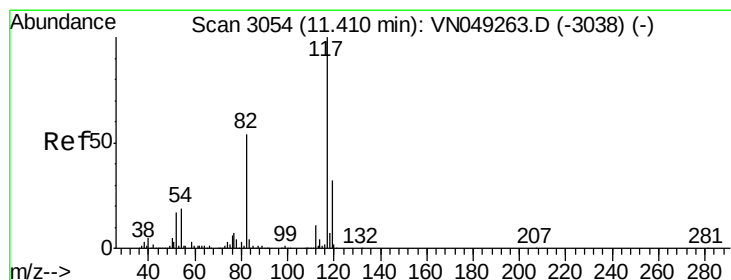
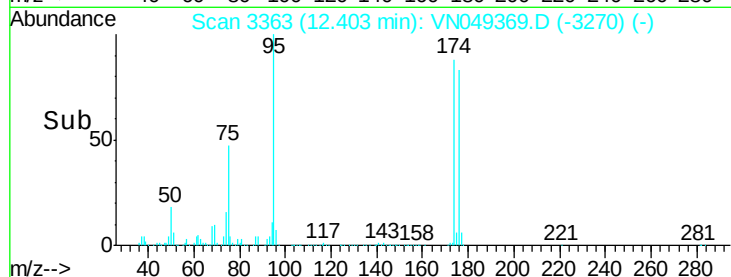
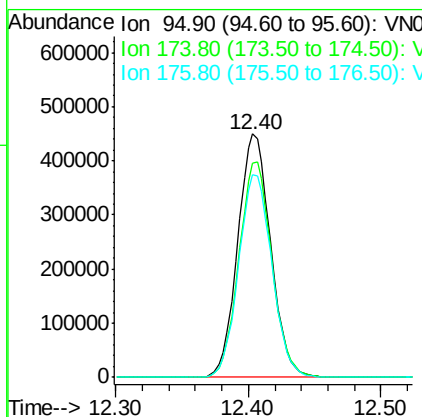
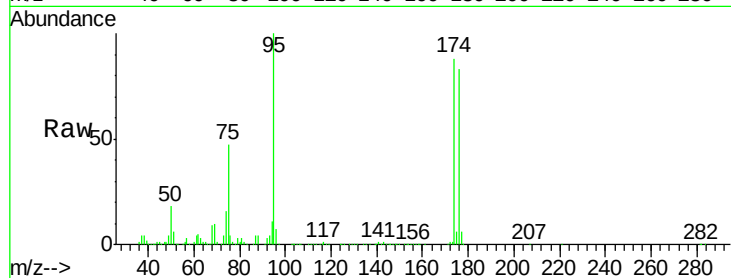




#62
4-Bromofluorobenzene
Concen: 38.52 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

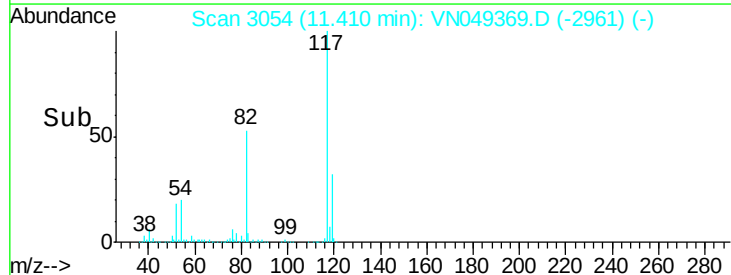
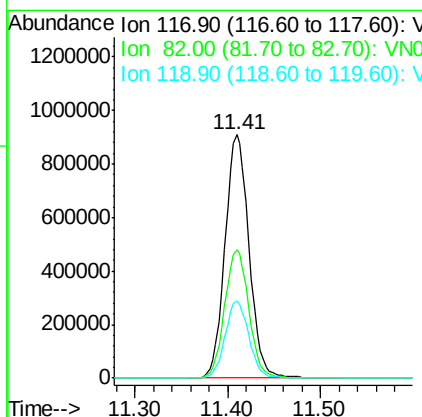
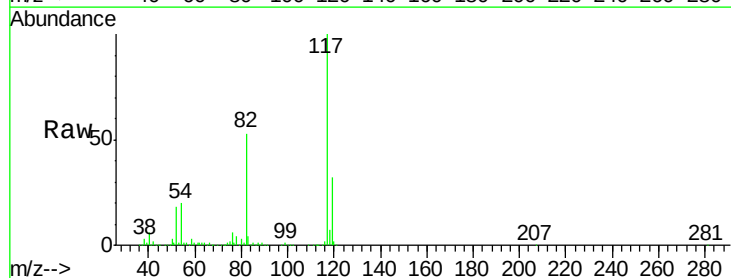
Instrument :
MSVOA_N
ClientSampleId :

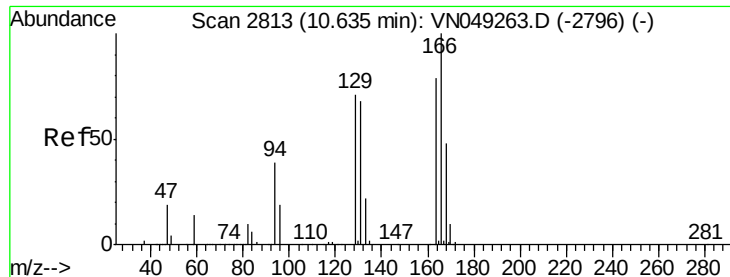
Tot Ion: 95 Resp: 772469
Ion Ratio Lower Upper
95 100
174 88.7 0.0 165.6
176 84.5 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

Tgt Ion: 117 Resp: 1628512
Ion Ratio Lower Upper
117 100
82 52.7 45.9 68.9
119 31.7 25.5 38.3





#64

Tetrachloroethene

Concen: 0.32 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 5303

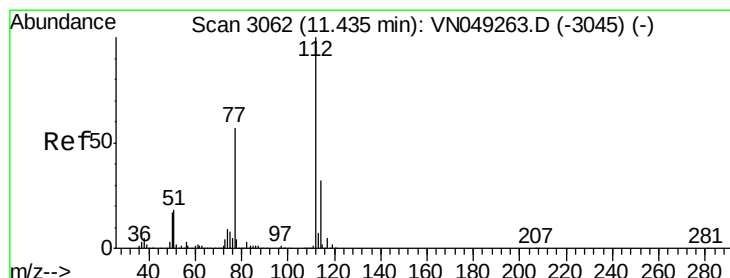
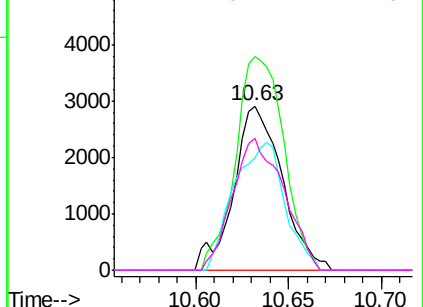
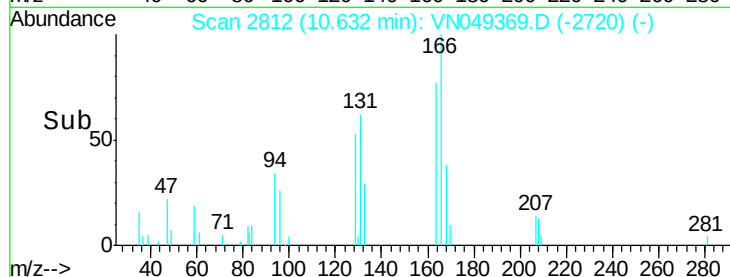
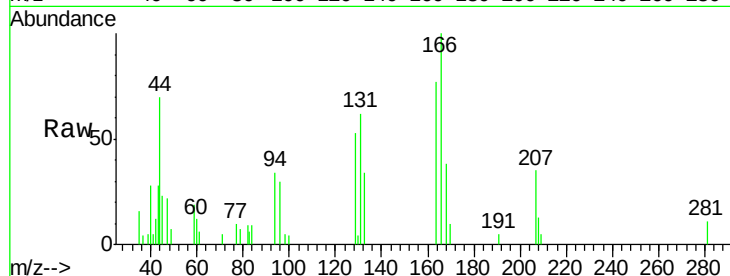
Ion Ratio Lower Upper

164 100

166 130.0 101.4 152.2

129 68.7 74.1 111.1#

131 80.4 73.7 110.5



#65

Chlorobenzene

Concen: 0.34 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN049369.D

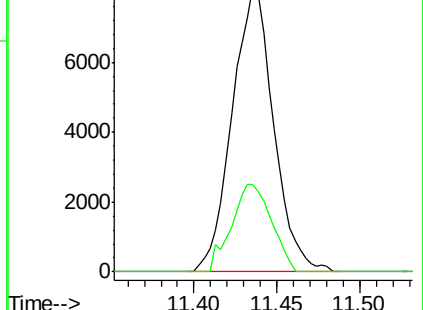
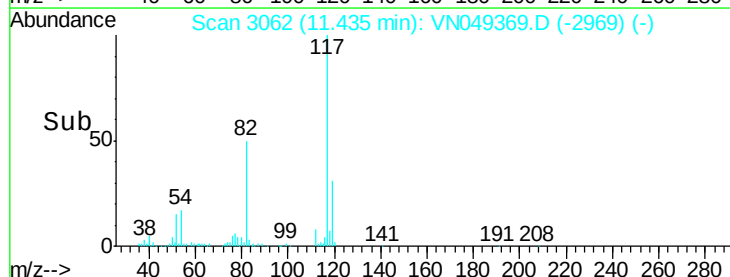
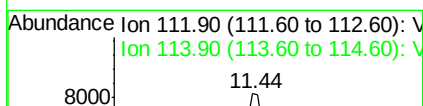
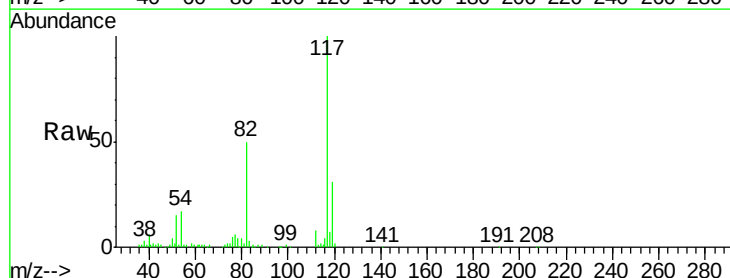
Acq: 19 Jun 2018 3:15

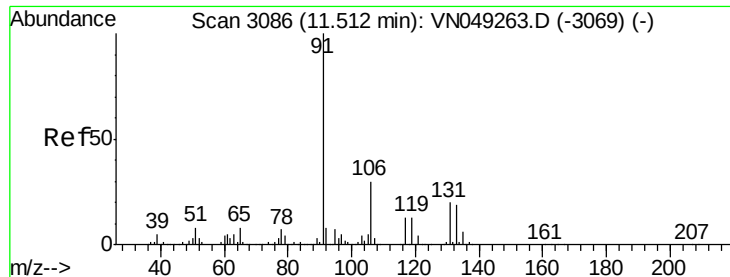
Tgt Ion:112 Resp: 14114

Ion Ratio Lower Upper

112 100

114 30.8 26.2 39.4

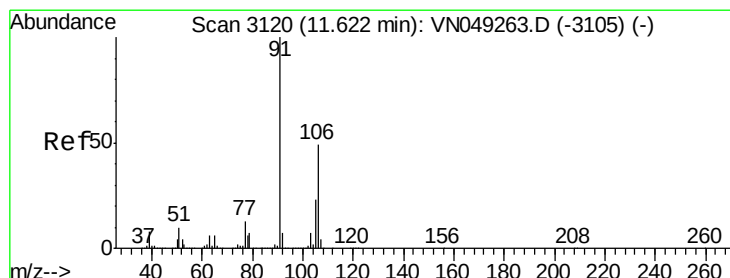
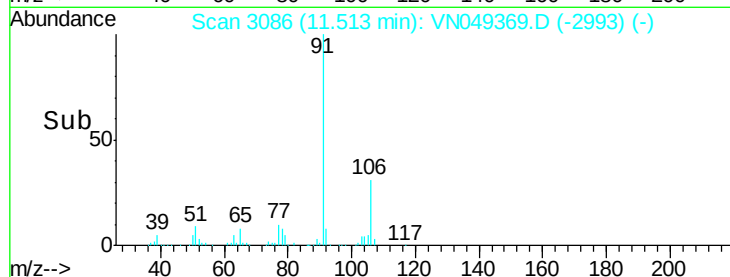
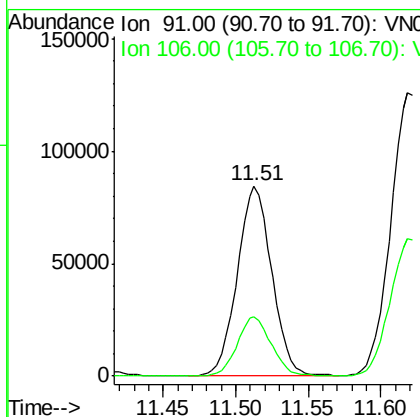
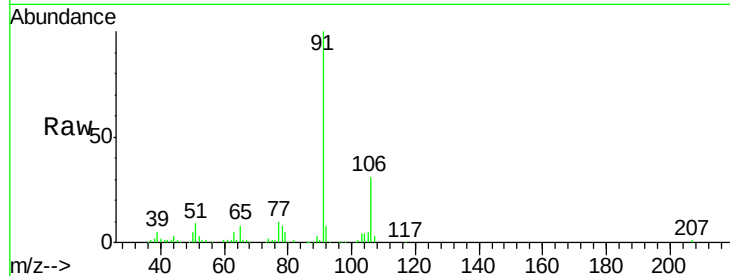




#67
Ethyl Benzene
Concen: 2.01 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

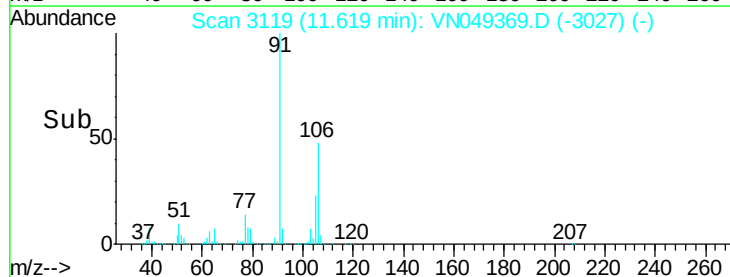
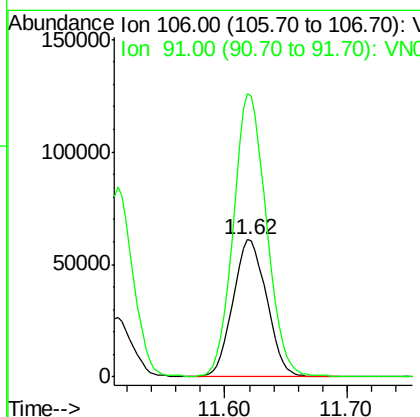
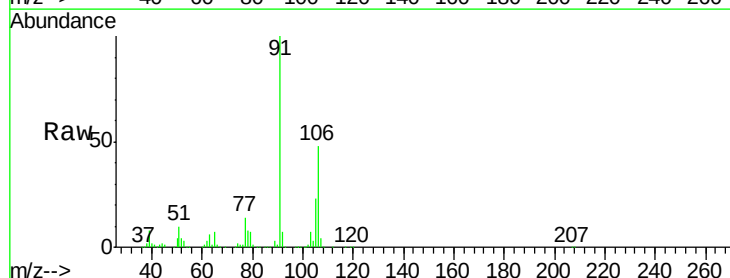
Instrument :
MSVOA_N
ClientSampleId :

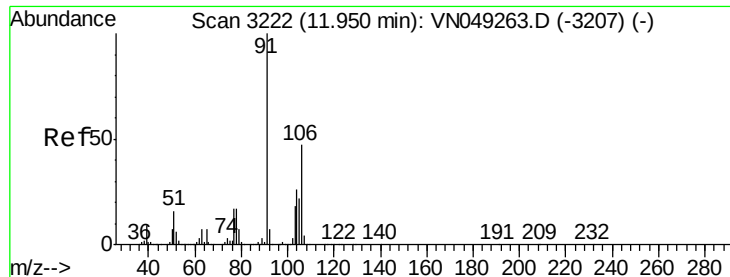
Tot Ion: 91 Resp: 140027
Ion Ratio Lower Upper
91 100
106 31.5 23.9 35.9



#68
m/p-Xylenes
Concen: 4.50 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

Tgt Ion: 106 Resp: 117451
Ion Ratio Lower Upper
106 100
91 201.1 167.3 250.9





#69

o-Xylene

Concen: 2.14 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

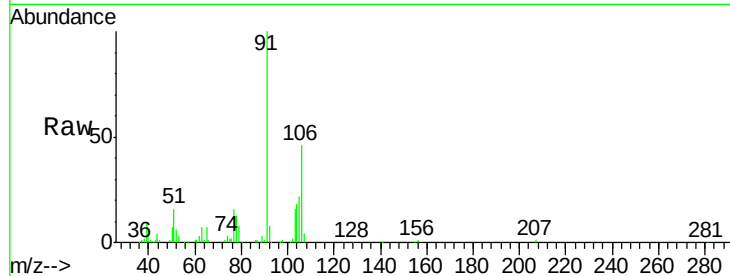
ClientSampleId :

Tot Ion:106 Resp: 53812

Ion Ratio Lower Upper

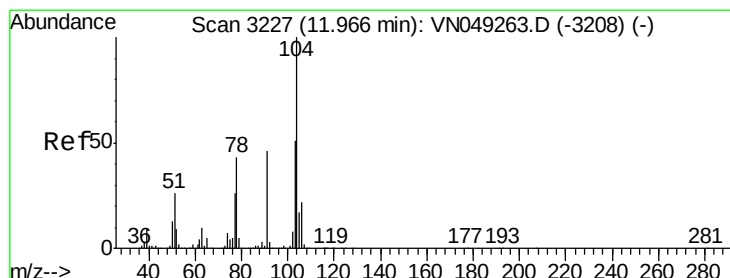
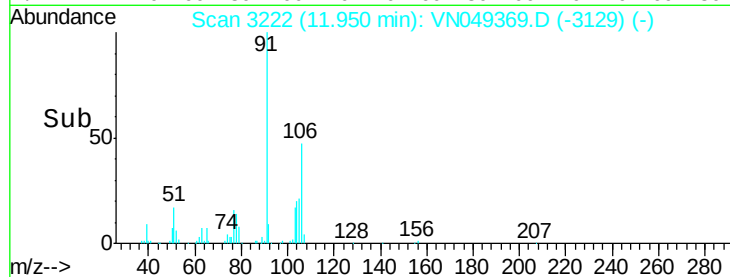
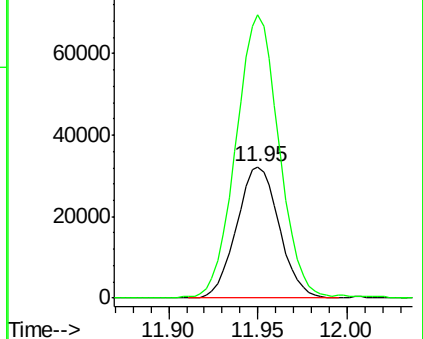
106 100

91 219.3 111.0 333.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 1.60 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. 0.00 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

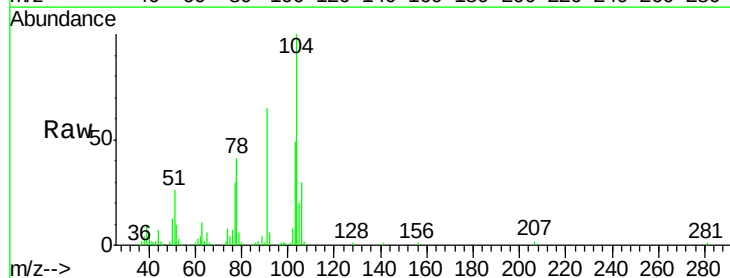
Tgt Ion:104 Resp: 63377

Ion Ratio Lower Upper

104 100

78 50.4 41.6 62.4

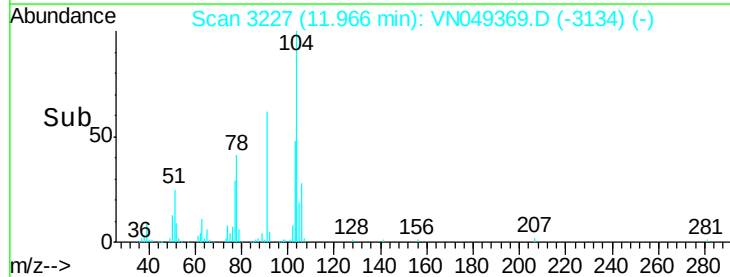
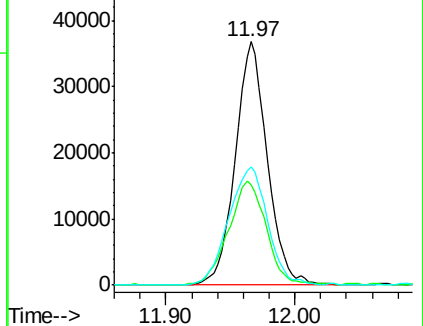
103 59.1 45.4 68.2

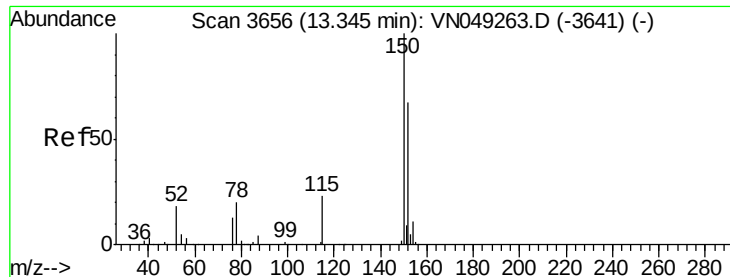


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

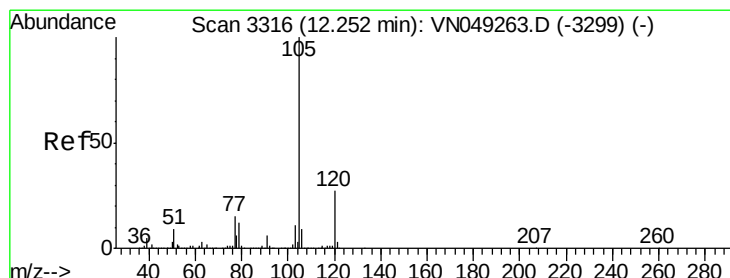
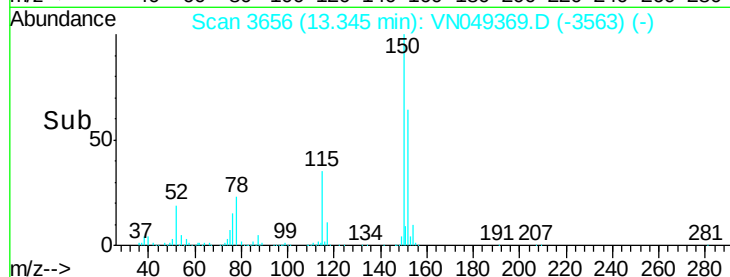
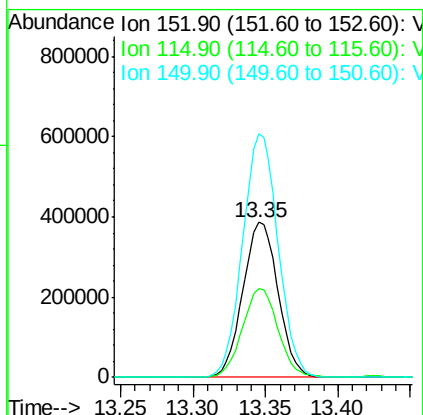
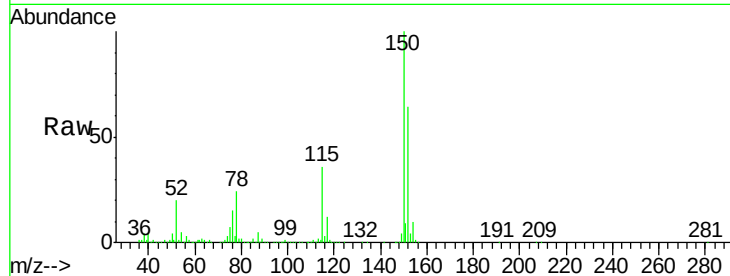




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.35 min Scan# 3656
 Delta R.T. 0.00 min
 Lab File: VN049369.D
 Acq: 19 Jun 2018 3:15

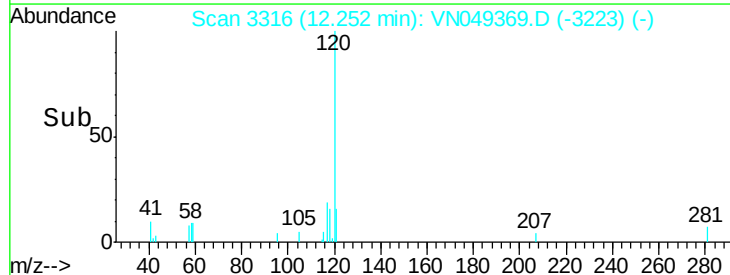
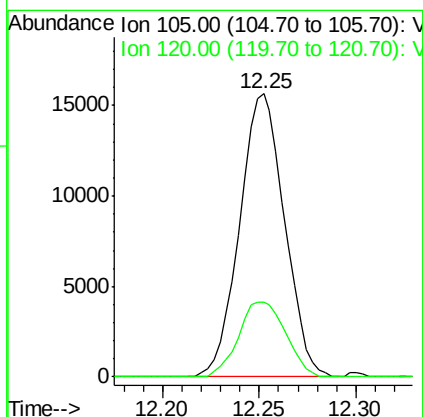
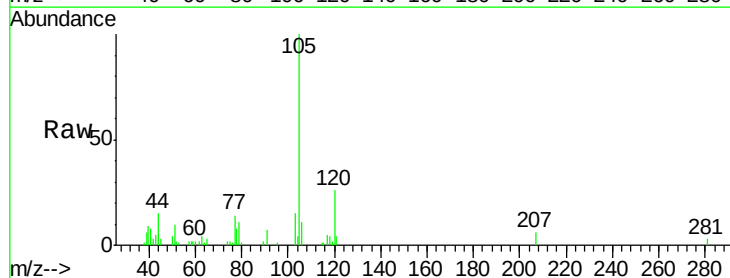
Instrument :
 MSVOA_N
 ClientSampleId :

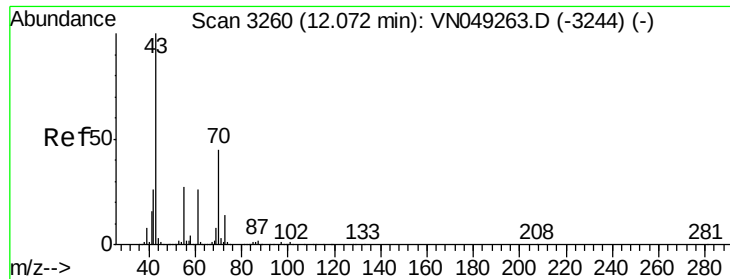
Tot Ion:152 Resp: 656014
 Ion Ratio Lower Upper
 152 100
 115 57.6 28.7 86.1
 150 157.5 0.0 351.0



#73
 Isopropylbenzene
 Concen: 0.44 ug/l
 RT: 12.25 min Scan# 3316
 Delta R.T. 0.00 min
 Lab File: VN049369.D
 Acq: 19 Jun 2018 3:15

Tgt Ion:105 Resp: 25303
 Ion Ratio Lower Upper
 105 100
 120 27.7 12.8 38.3





#74

N-amvl acetate

Concen: 0.26 ug/l

RT: 12.05 min Scan# 3252

Delta R.T. -0.03 min

Lab File: VN049369.D

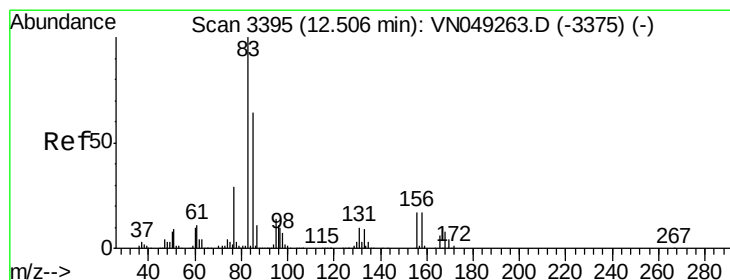
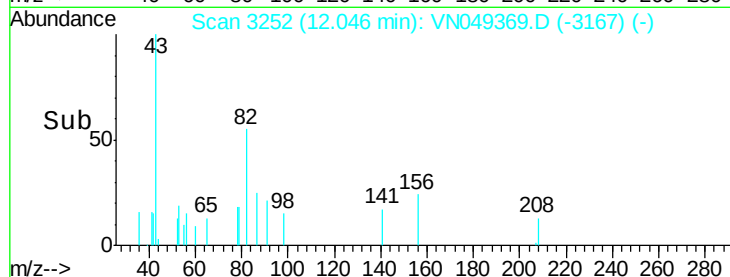
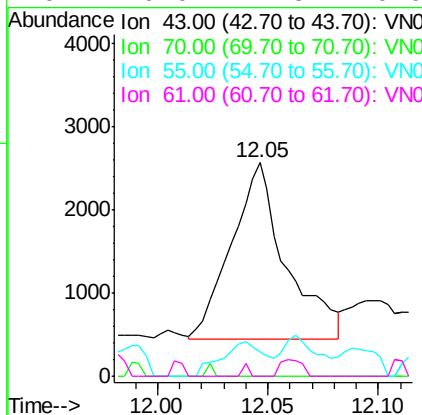
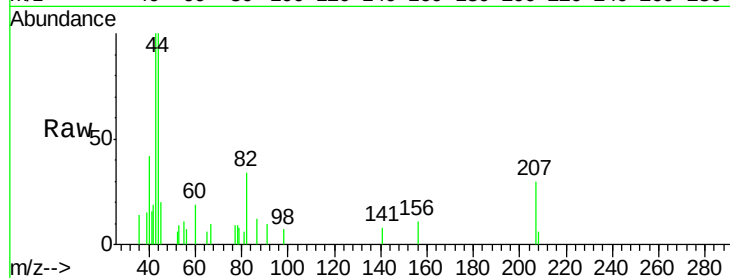
Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	3625
Ion	Ratio	Lower	Upper
43	100		
70	0.0	30.3	45.5#
55	15.5	19.4	29.2#
61	0.0	17.8	26.6#



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

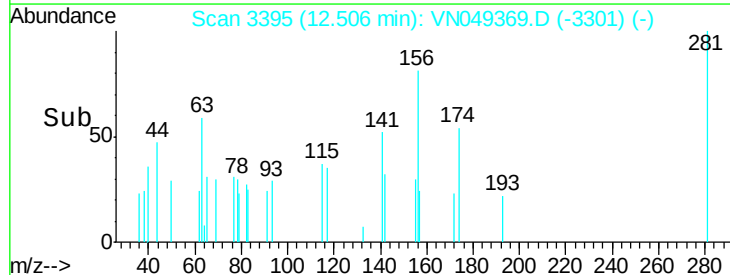
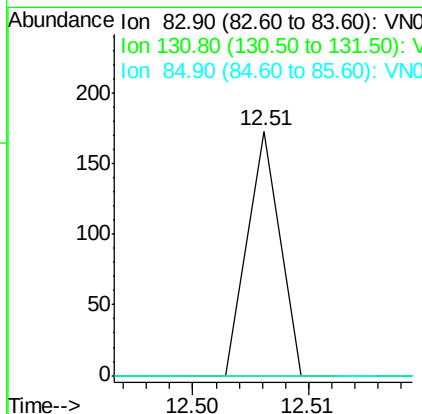
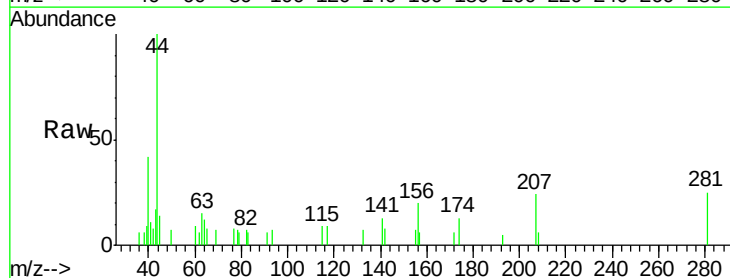
RT: 12.51 min Scan# 3395

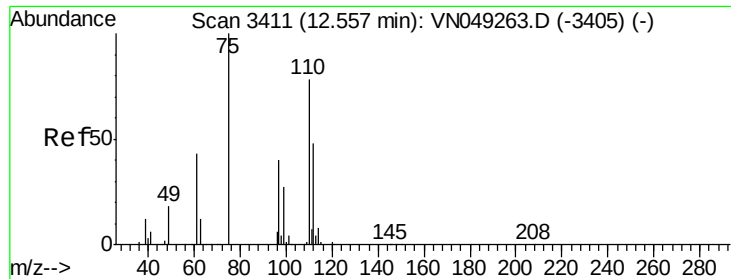
Delta R.T. 0.00 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Tgt Ion:	83	Resp:	33
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.0	15.0#
85	0.0	32.0	96.0#





#76

1,2,3-Trichloropropane

Concen: 33.34 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

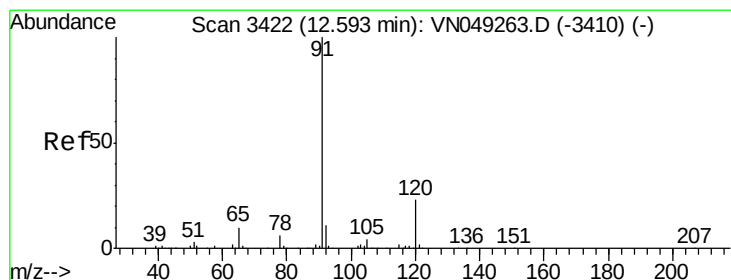
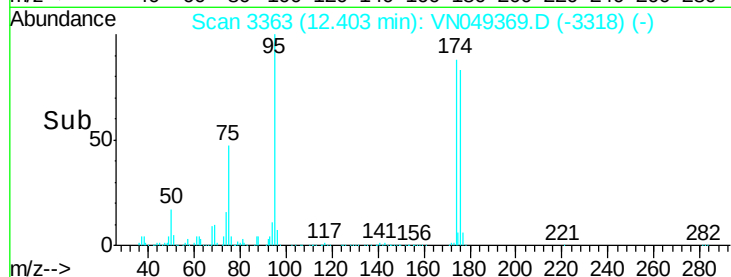
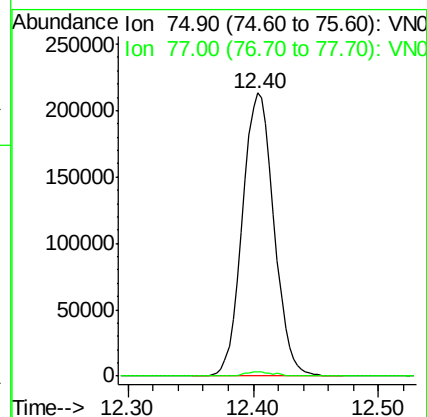
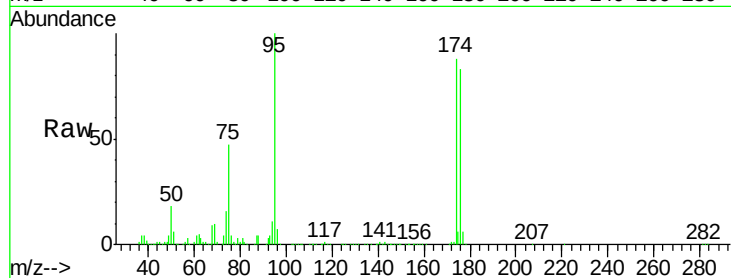
ClientSampleId :

Tot Ion: 75 Resp: 373175

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#78

n-propylbenzene

Concen: 0.80 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049369.D

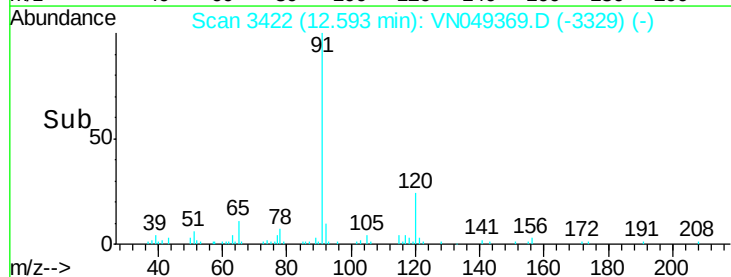
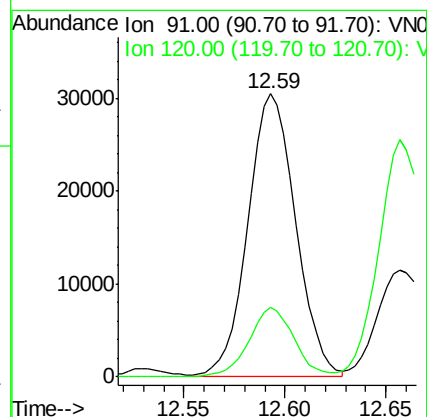
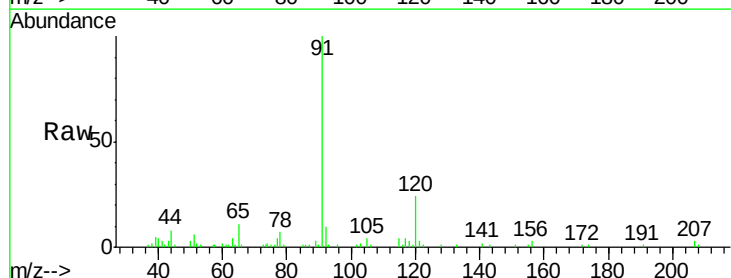
Acq: 19 Jun 2018 3:15

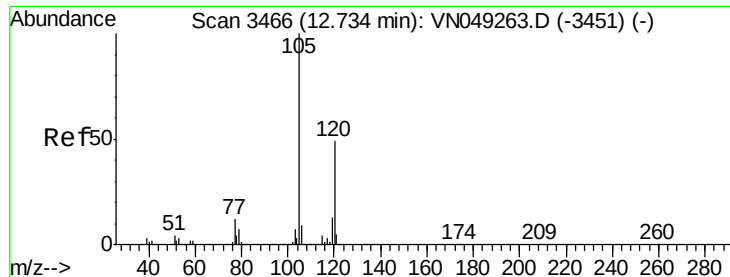
Tgt Ion: 91 Resp: 50576

Ion Ratio Lower Upper

91 100

120 23.3 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 1.82 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

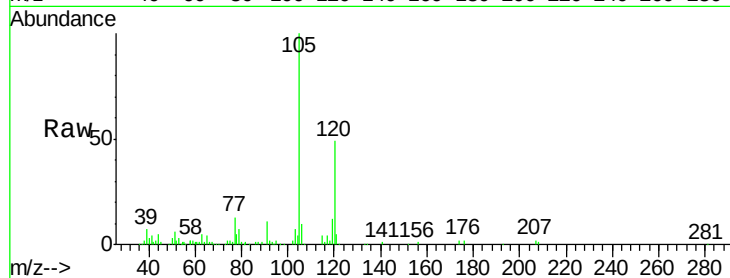
ClientSampled :

Tot Ion:105 Resp: 82325

Ion Ratio Lower Upper

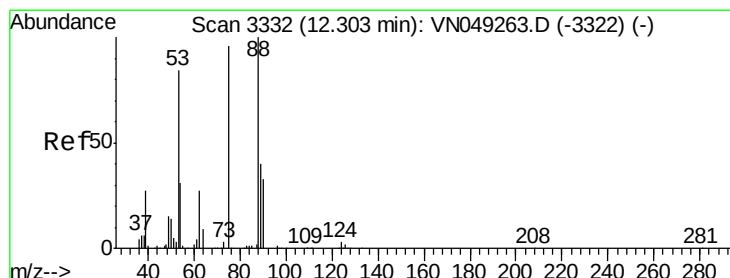
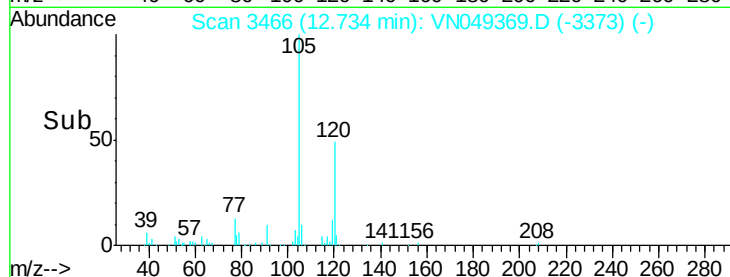
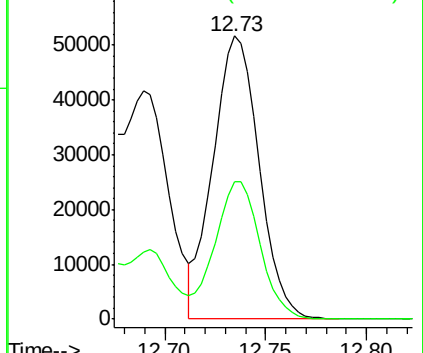
105 100

120 47.6 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 105.37 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

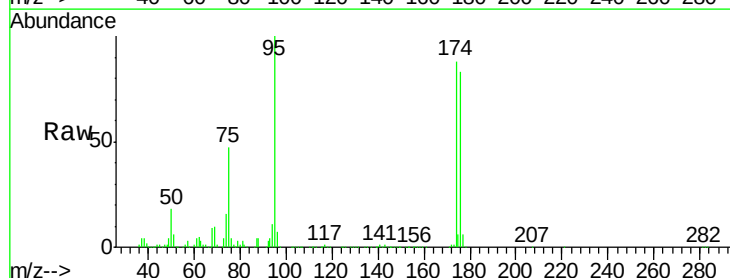
Tgt Ion: 75 Resp: 373175

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

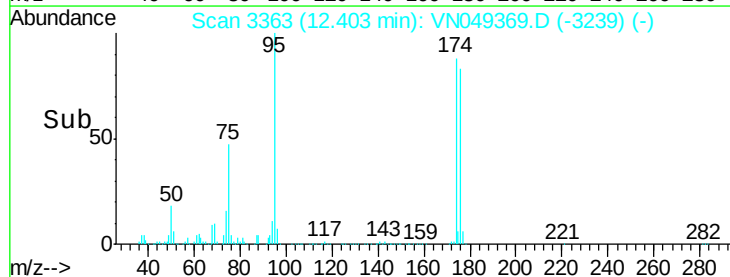
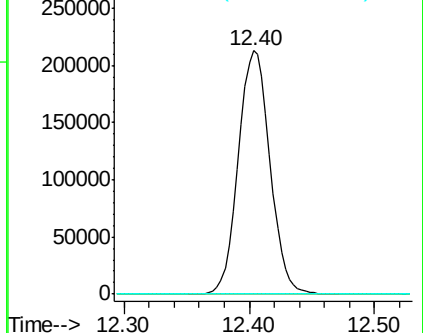
89 0.0 36.5 54.7#

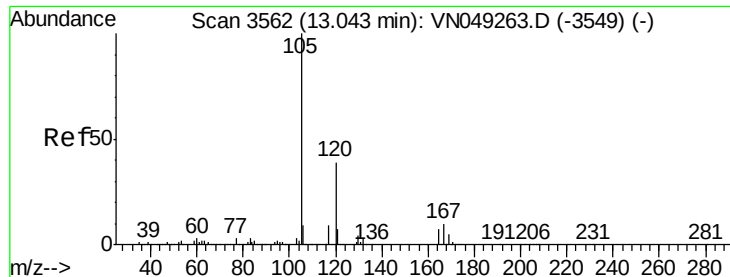


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 6.58 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049369.D

Acq: 19 Jun 2018 3:15

Instrument :

MSVOA_N

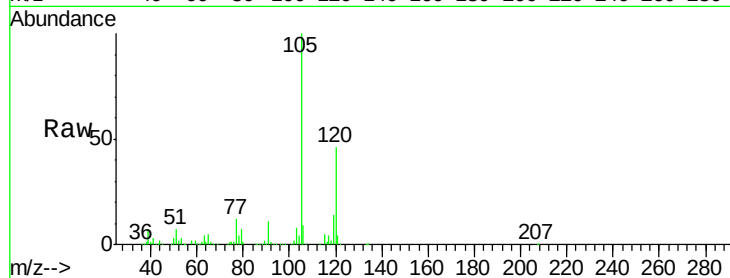
ClientSampleId :

Tot Ion:105 Resp: 295916

Ion Ratio Lower Upper

105 100

120 44.7 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

200000

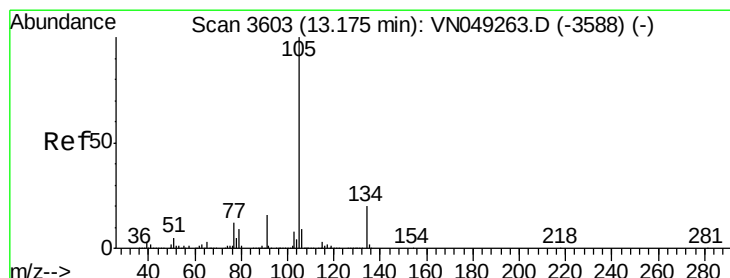
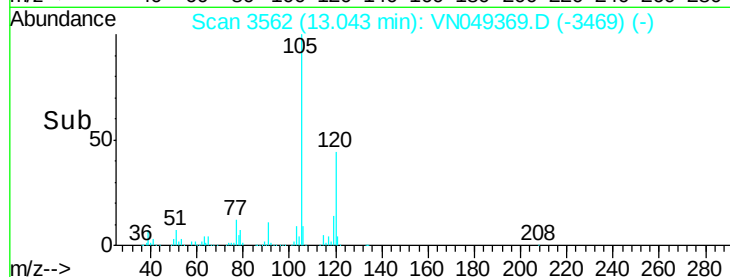
150000

100000

50000

0

Time--> 12.95 13.00 13.05 13.10



#85

sec-Butylbenzene

Concen: 0.42 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. -0.00 min

Lab File: VN049369.D

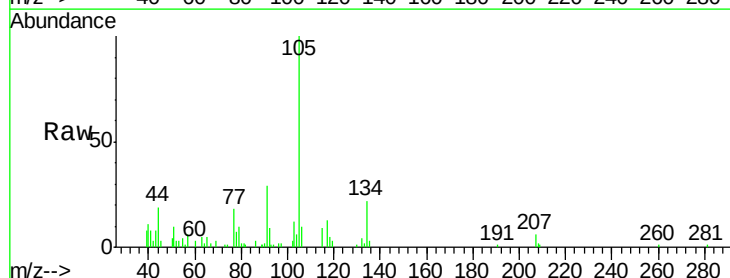
Acq: 19 Jun 2018 3:15

Tgt Ion:105 Resp: 22358

Ion Ratio Lower Upper

105 100

134 28.8 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

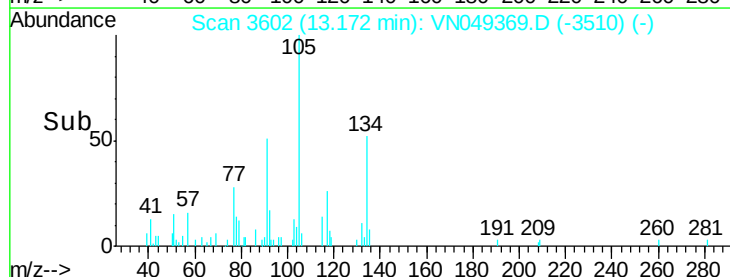
15000

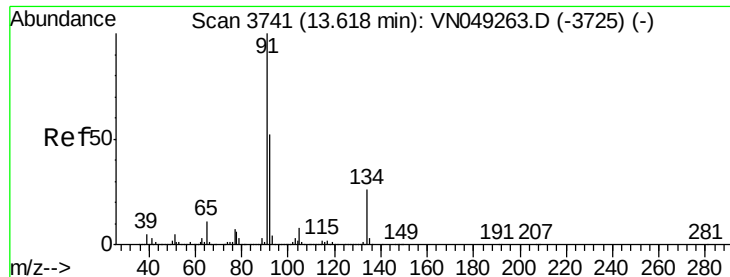
10000

5000

0

Time--> 13.10 13.15 13.20

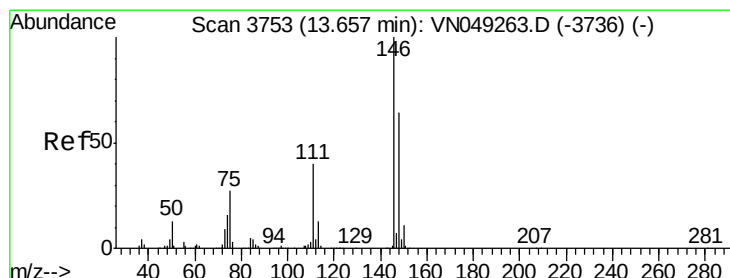
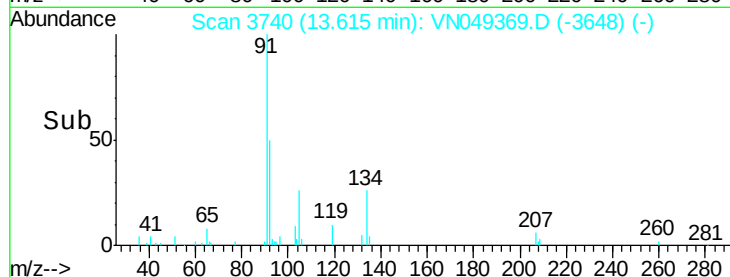
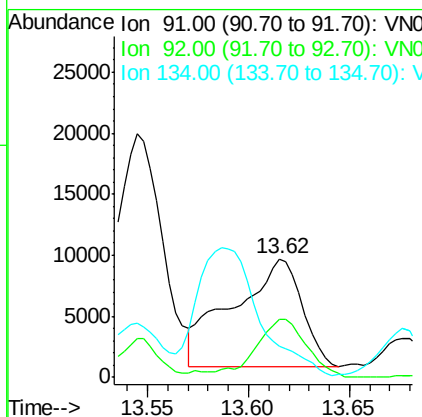
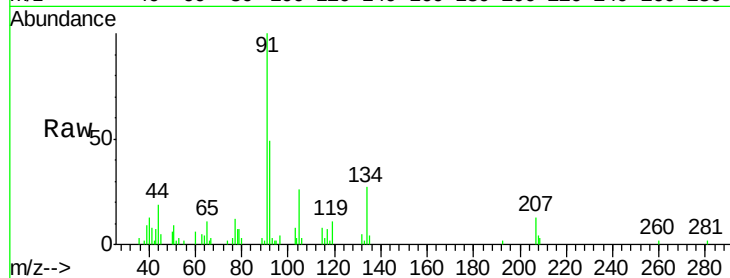




#89
n-Butylbenzene
Concen: 0.61 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

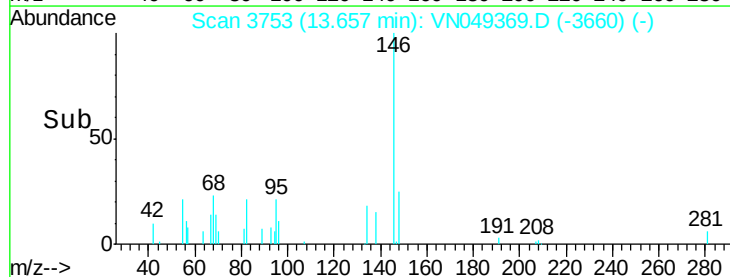
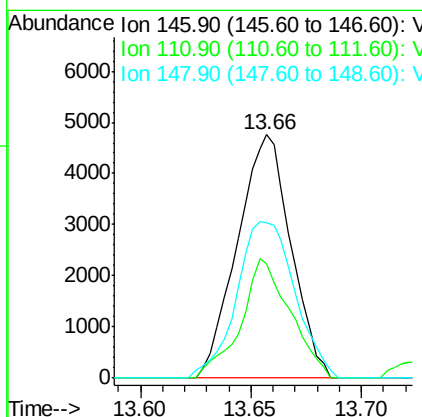
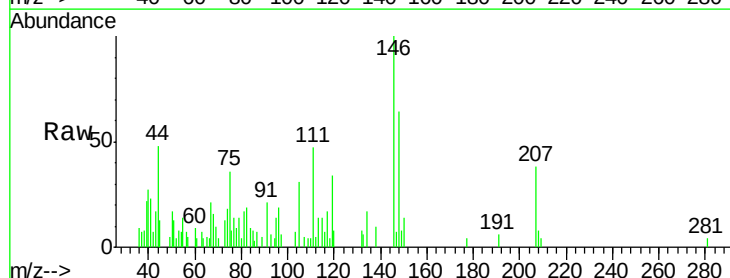
Instrument :
MSVOA_N
ClientSampled :

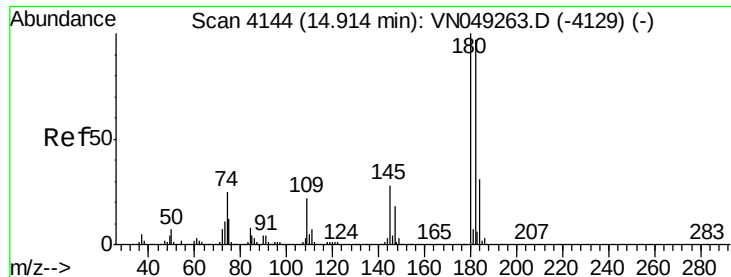
Tot Ion: 91 Resp: 21174
Ion Ratio Lower Upper
91 100
92 39.5 25.1 75.4
134 0.0 12.0 36.0#



#91
1,2-Dichlorobenzene
Concen: 0.33 ug/l
RT: 13.66 min Scan# 3753
Delta R.T. 0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

Tgt Ion: 146 Resp: 7980
Ion Ratio Lower Upper
146 100
111 45.2 20.8 62.2
148 70.3 32.0 96.2

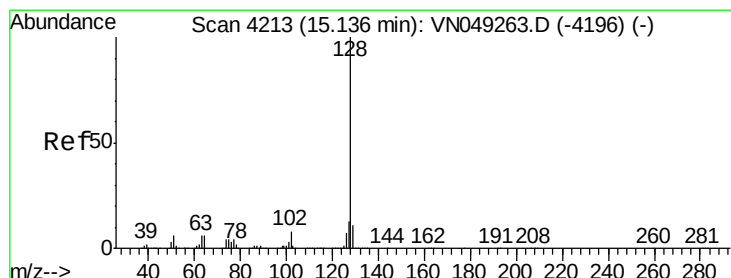
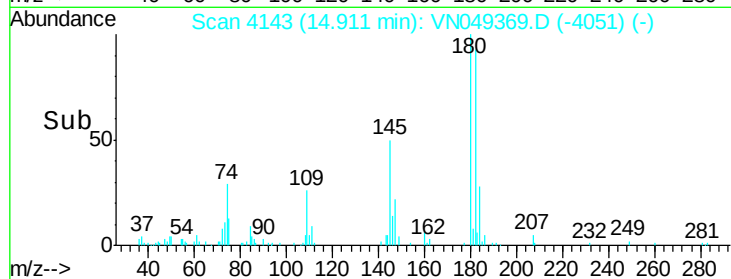
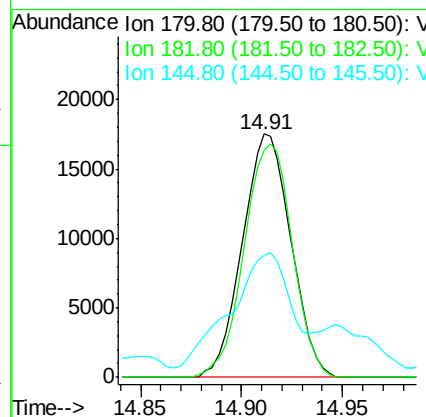
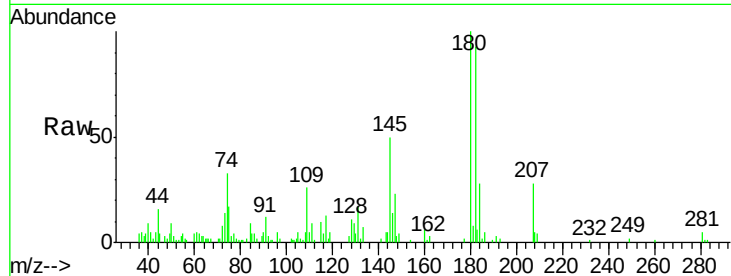




#93
1,2,4-Trichlorobenzene
Concen: 7.12 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

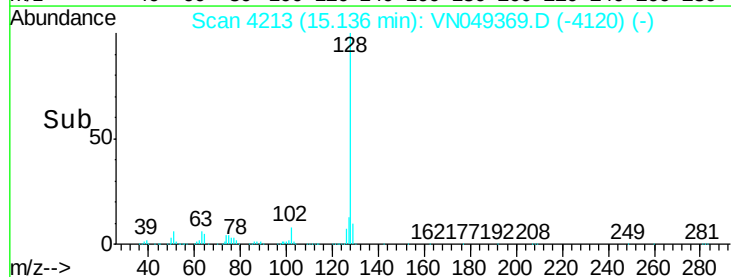
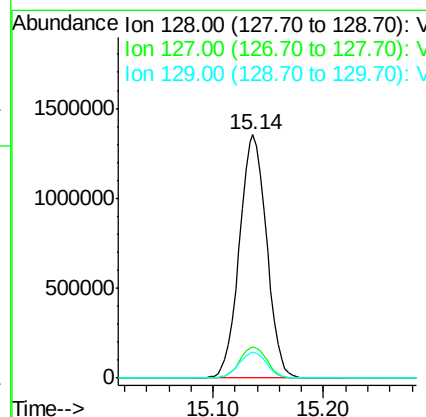
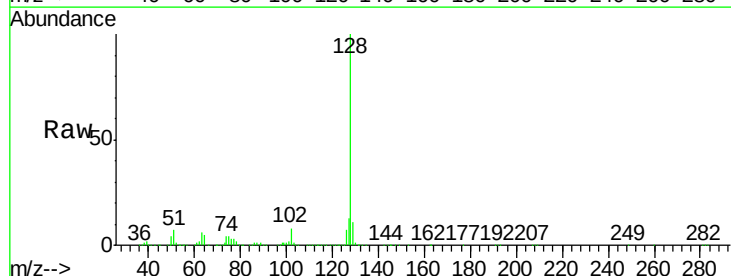
Instrument :
MSVOA_N
ClientSampleId :

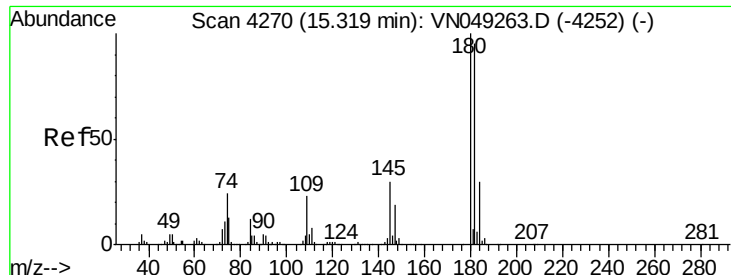
Tot Ion:180 Resp: 29500
Ion Ratio Lower Upper
180 100
182 95.3 46.9 140.8
145 58.7 14.7 44.1#



#95
Naphthalene
Concen: 99.73 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049369.D
Acq: 19 Jun 2018 3:15

Tgt Ion:128 Resp: 2303285
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.7 8.5 12.7

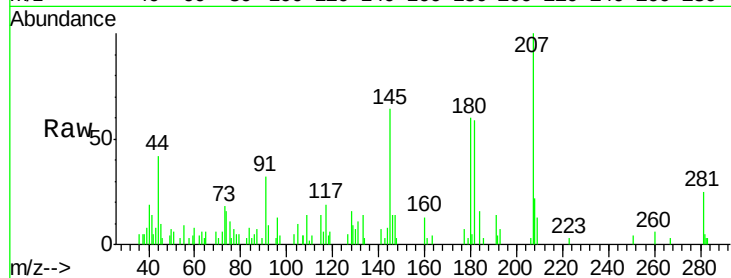




#96
 1,2,3-Trichlorobenzene
 Concen: 4.00 ug/l
 RT: 15.32 min Scan# 4270
 Delta R.T. 0.00 min
 Lab File: VN049369.D
 Acq: 19 Jun 2018 3:15

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.3	47.3	141.8
145	95.9	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

