

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN083018\
 Data File : VN050969.D
 Acq On : 30 Aug 2018 17:55
 Operator : MD\SY
 Sample : J4282-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-01-082918-B

Quant Time: Aug 31 01:38:32 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	557374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	938863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	784985	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	305095	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	373189	55.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.24%	
35) Dibromofluoromethane	7.59	113	357175	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
50) Toluene-d8	10.09	98	1253296	44.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.76%	
62) 4-Bromofluorobenzene	12.40	95	349590	37.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.34%	

Target Compounds						Qvalue
3) Chloromethane	2.06	50	1946	0.21	ug/l	97
5) Bromomethane	2.57	94	2059	Below	Cal	92
10) Methyl Iodide	3.95	142	183	6.37	ug/l #	43
11) Tert butyl alcohol	4.74	59	360	0.84	ug/l #	72
14) Allyl chloride	4.55	41	19482	2.00	ug/l #	26
16) Acetone	3.82	43	22063	7.02	ug/l	94
18) Methyl Acetate	4.33	43	17616	2.78	ug/l	98
20) Methylene Chloride	4.55	84	531974	70.34	ug/l	98
25) 2-Butanone	6.85	43	2287	0.85	ug/l #	47
29) Tetrahydrofuran	7.23	42	944	0.61	ug/l #	47
30) Chloroform	7.38	83	12451	1.01	ug/l	95
31) Cyclohexane	7.67	56	9780	1.31	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	37995	3.43	ug/l #	47
38) Carbon Tetrachloride	7.67	117	48616	4.34	ug/l #	17
43) Isopropyl Acetate	8.17	43	285480	26.09	ug/l #	84
47) Bromodichloromethane	9.41	83	2906	0.27	ug/l	90
48) Methyl methacrylate	9.18	41	6823	1.22	ug/l #	15
52) Toluene	10.16	92	11513	0.58	ug/l	96
56) Ethyl methacrylate	10.27	69	194	2.37	ug/l #	28
59) 2-Hexanone	10.77	43	7229	1.66	ug/l	65
67) Ethyl Benzene	11.51	91	18317	0.55	ug/l	93
68) m/p-Xylenes	11.62	106	16175	1.28	ug/l	98
69) o-Xylene	11.95	106	6849	0.56	ug/l	95
70) Styrene	11.97	104	6104	1.55	ug/l	92
71) Bromoform	12.41	173	1198	0.23	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	226	Below	Cal #	1
76) 1,2,3-Trichloropropane	12.40	75	164462	30.78	ug/l #	100
78) n-propylbenzene	12.59	91	5681	0.20	ug/l	98
79) 2-Chlorotoluene	12.66	91	4438	0.25	ug/l #	47
80) 1,3,5-Trimethylbenzene	12.73	105	11008	0.54	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	164462	104.04	ug/l #	15
83) tert-Butylbenzene	13.04	119	5636	0.32	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.04	105	36089	1.76	ug/l	99
90) Hexachloroethane	13.89	117	1397	0.56	ug/l #	4

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Quant Title : SW846 8260
QLast Update : Wed Aug 22 05:38:12 2018
Response via : Initial Calibration

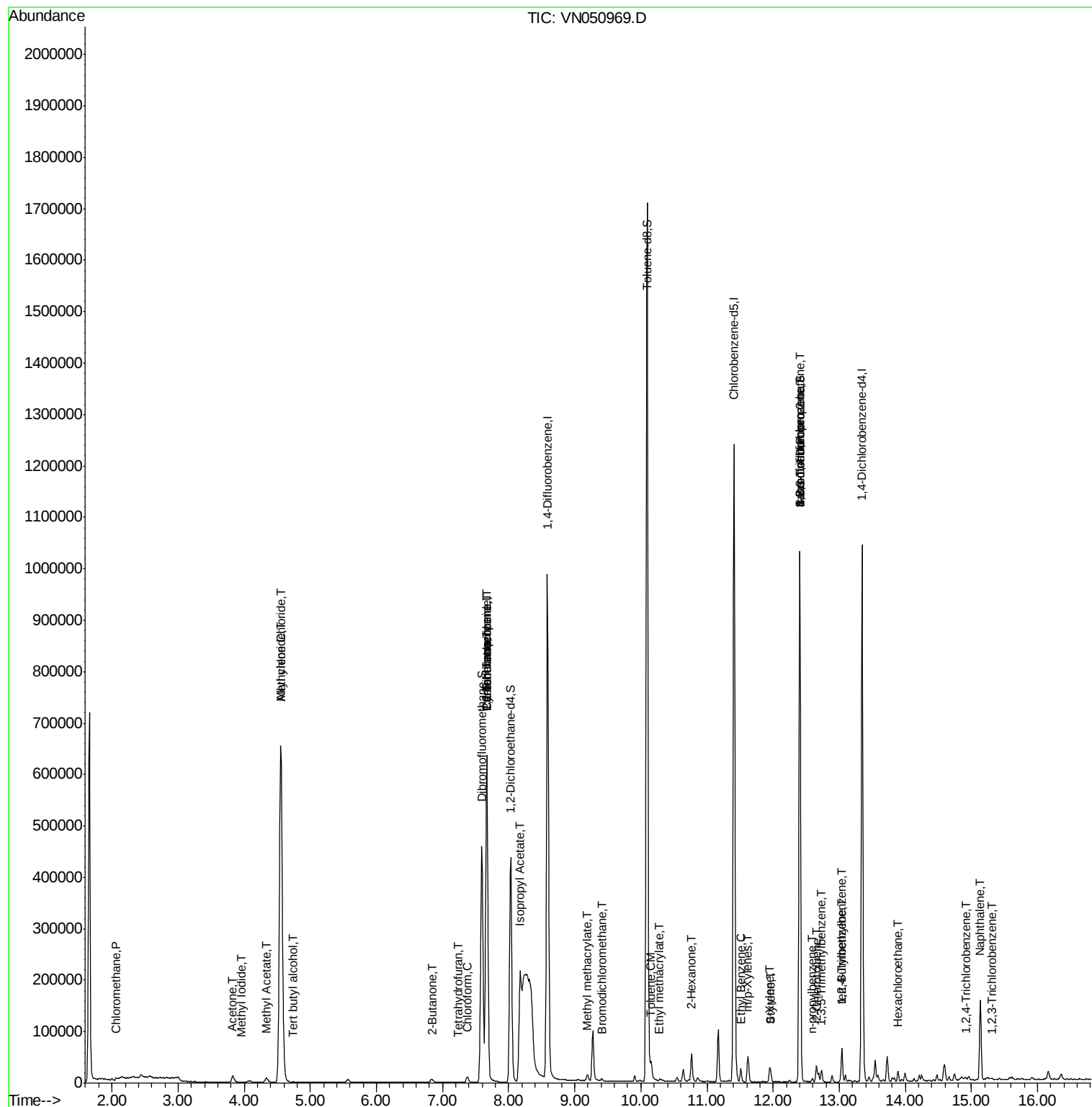
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	1869	4.38	ug/l #	66
95) Naphthalene	15.13	128	136055	15.36	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	245	3.34	ug/l #	82

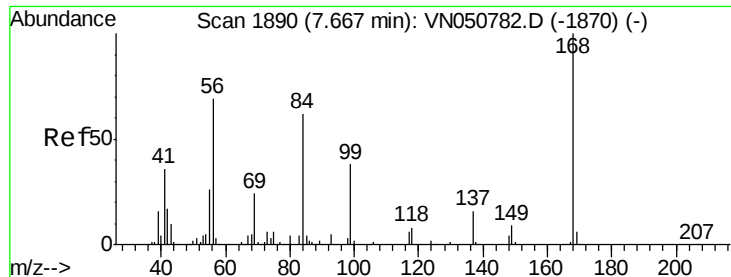
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

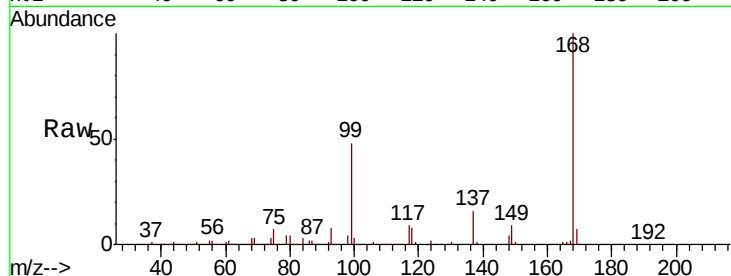
SU-01-082918-B

Tot Ion:168 Resp: 557374

Ion Ratio Lower Upper

168 100

99 48.1 39.6 59.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

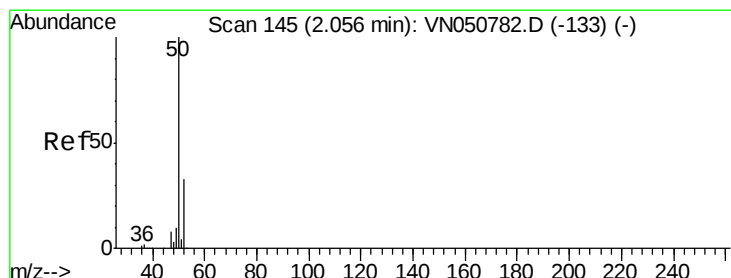
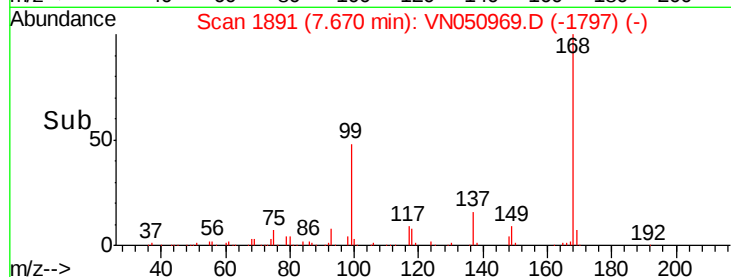
100000

50000

0

7.60 7.70 7.80

Time-->



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050969.D

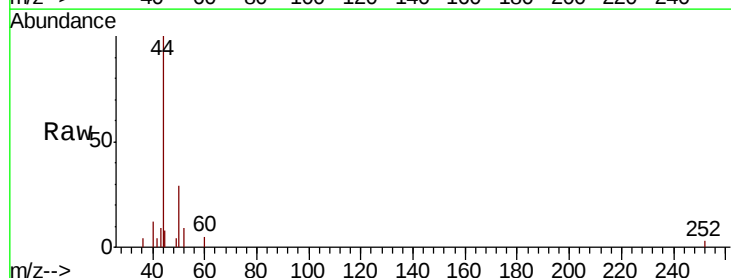
Acq: 30 Aug 2018 17:55

Tgt Ion: 50 Resp: 1946

Ion Ratio Lower Upper

50 100

52 31.3 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.06

1500

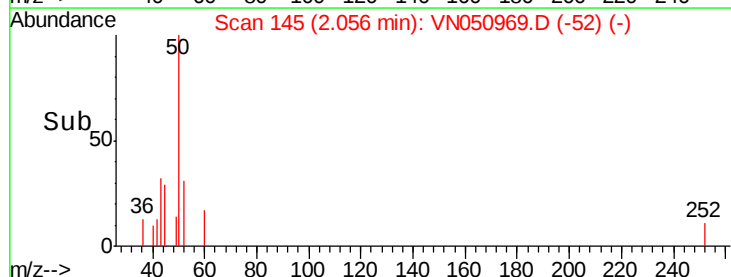
1000

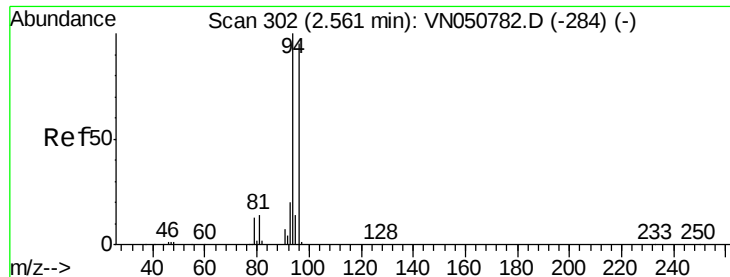
500

0

2.02 2.04 2.06 2.08 2.10

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

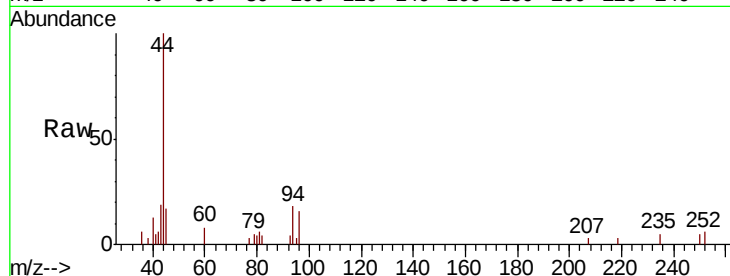
SU-01-082918-B

Tot Ion: 94 Resp: 2059

Ion Ratio Lower Upper

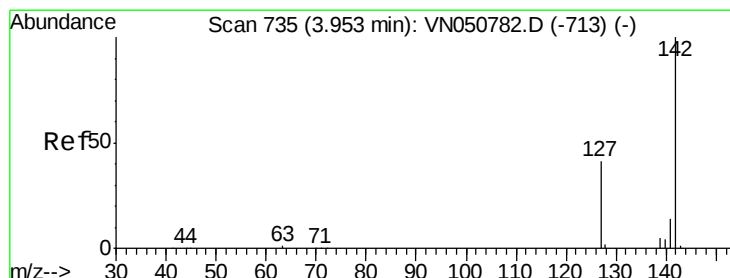
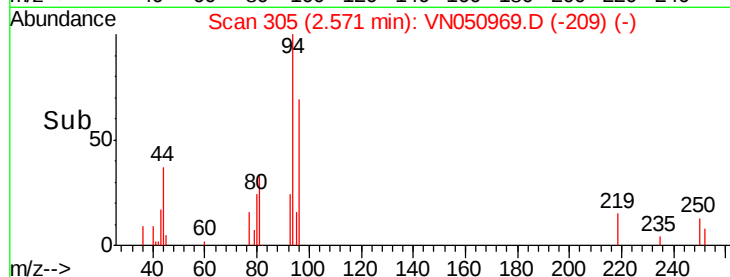
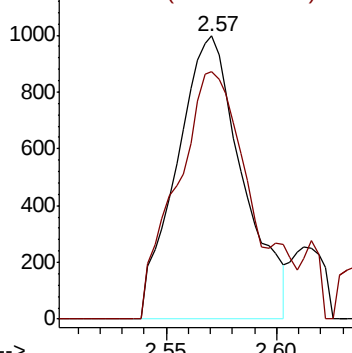
94 100

96 87.5 76.2 114.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#10

Methyl Iodide

Concen: 6.37 ug/l

RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

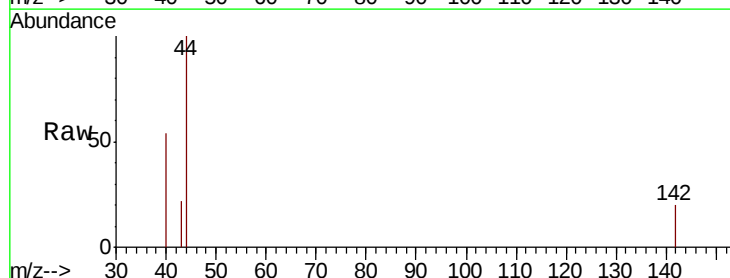
Tgt Ion: 142 Resp: 183

Ion Ratio Lower Upper

142 100

127 0.0 31.7 47.5#

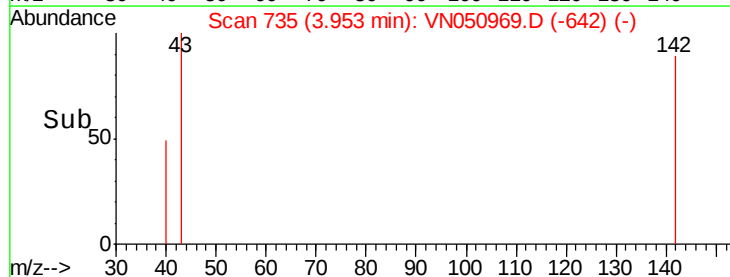
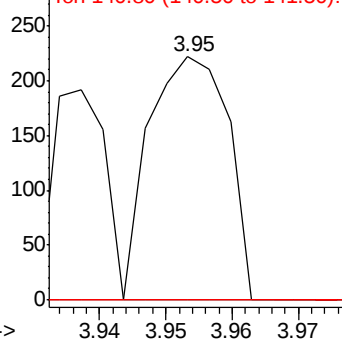
141 0.0 11.4 17.0#

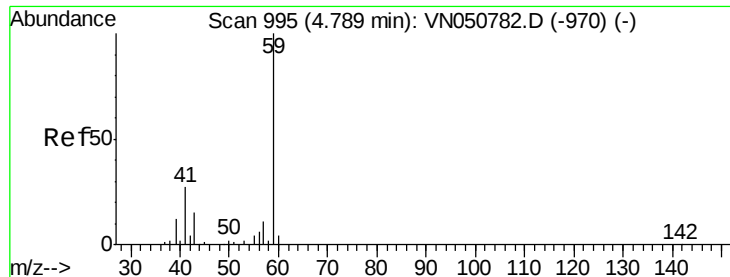


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

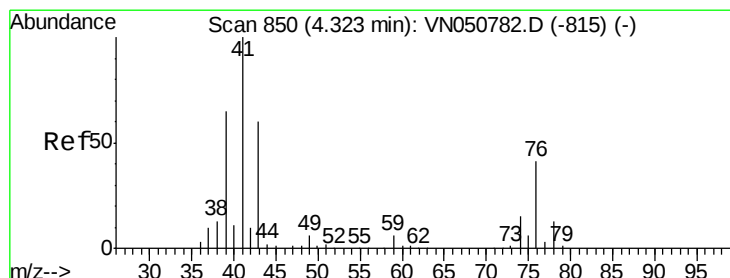
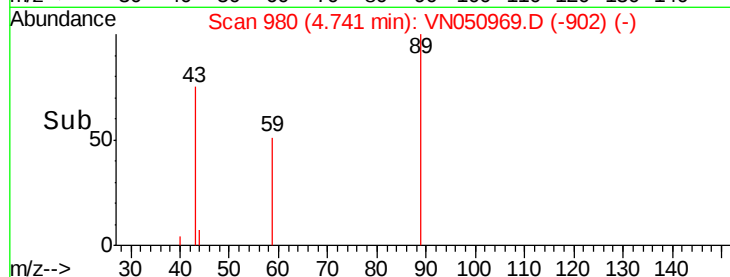
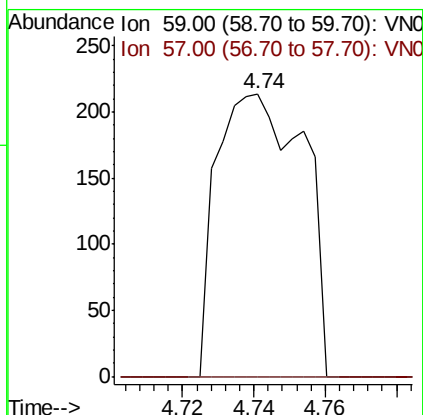
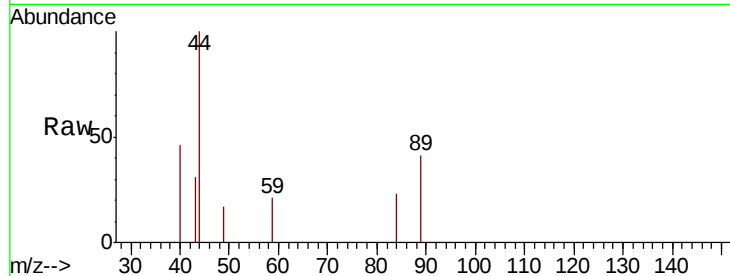




#11
Tert butyl alcohol
Concen: 0.84 ug/l
RT: 4.74 min Scan# 980
Delta R.T. -0.05 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

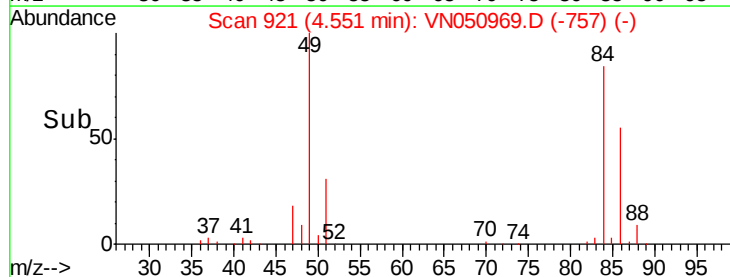
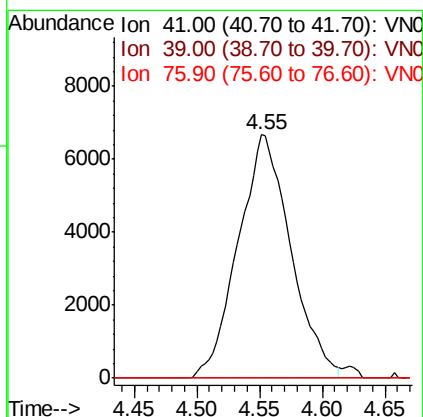
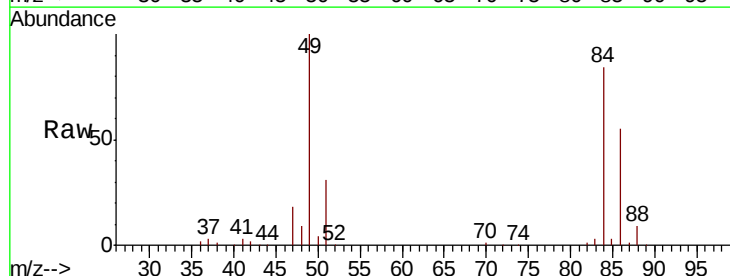
Instrument :
MSVOA_N
ClientSampleId :
SU-01-082918-B

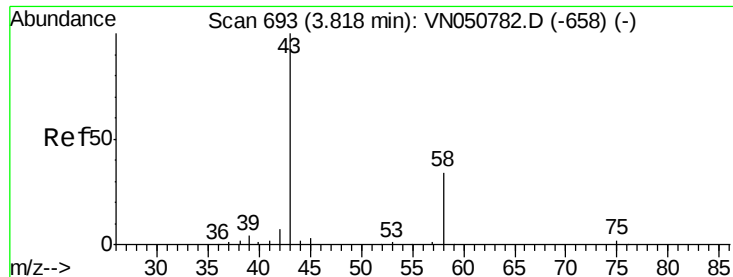
Tot Ion: 59 Resp: 360
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#14
Allyl chloride
Concen: 2.00 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.23 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Tgt Ion: 41 Resp: 19482
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.2#
76 0.0 29.8 44.8#





#16

Acetone

Concen: 7.02 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

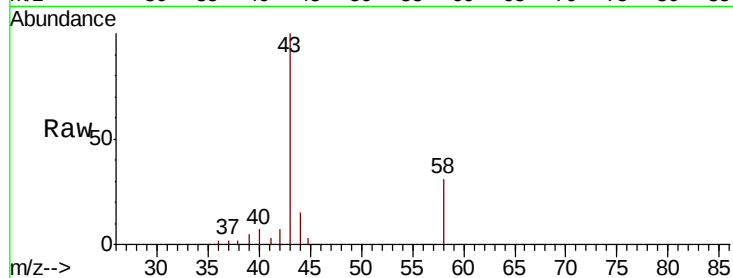
SU-01-082918-B

Tot Ion: 43 Resp: 22063

Ion Ratio Lower Upper

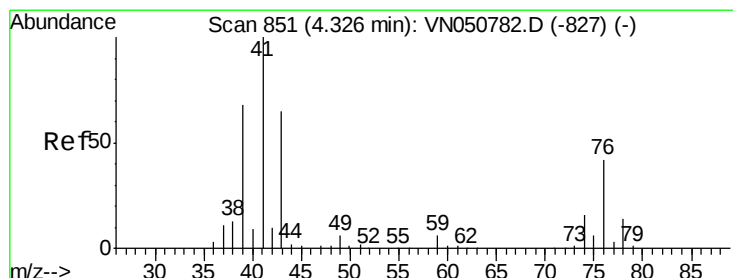
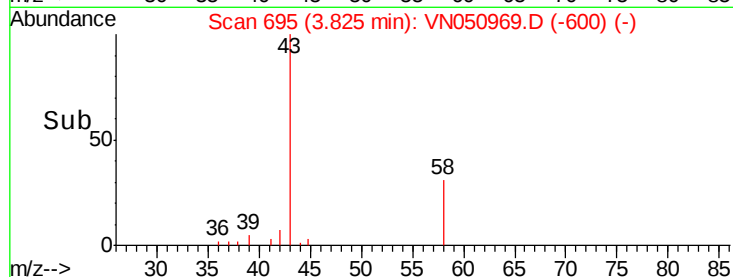
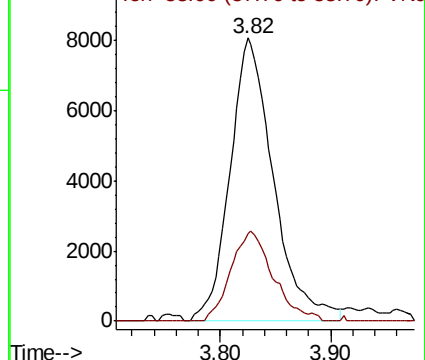
43 100

58 30.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 2.78 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.01 min

Lab File: VN050969.D

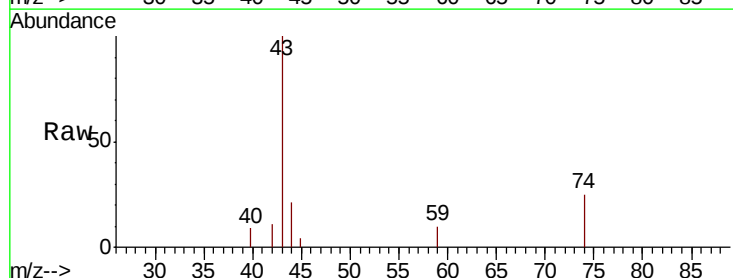
Acq: 30 Aug 2018 17:55

Tgt Ion: 43 Resp: 17616

Ion Ratio Lower Upper

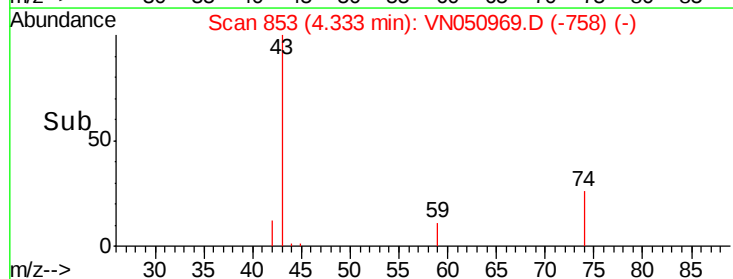
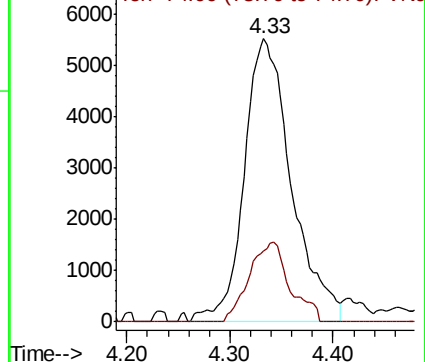
43 100

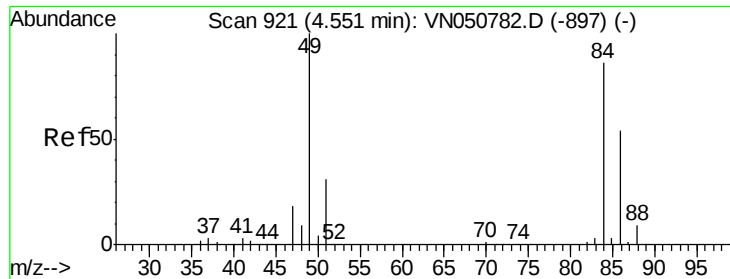
74 24.0 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



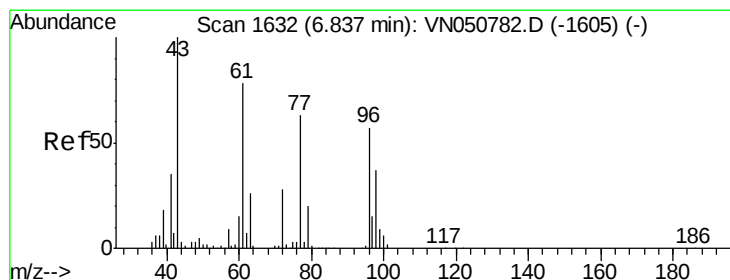
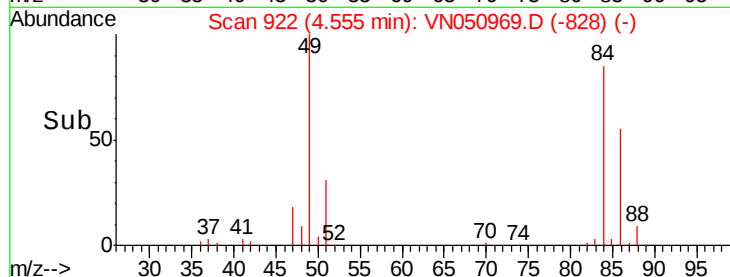
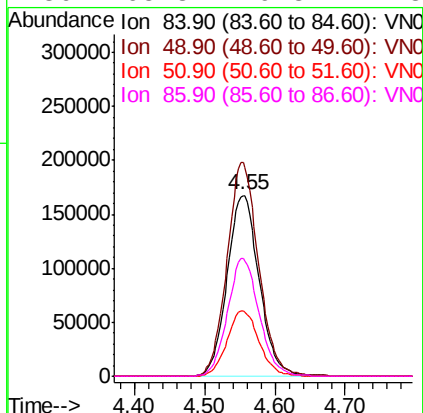
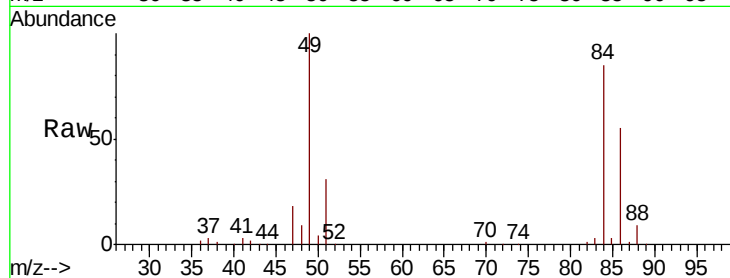


#20
Methylene Chloride
Concen: 70.34 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Instrument :
MSVOA_N
ClientSampleId :
SU-01-082918-B

Tot Ion: 84 Resp: 531974

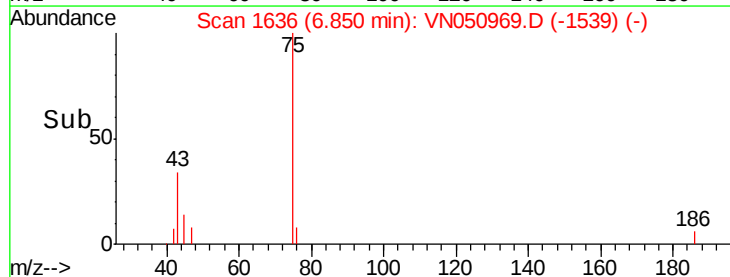
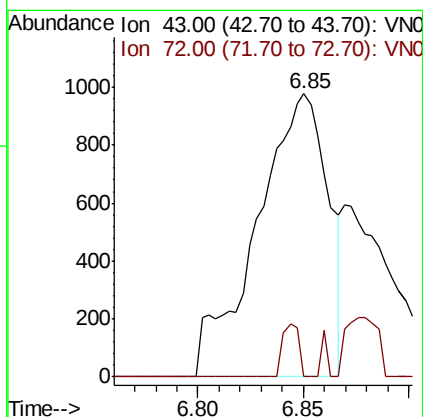
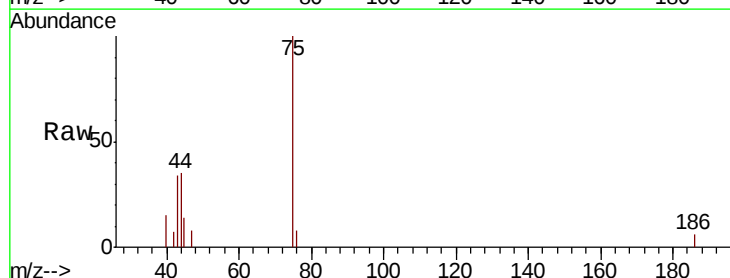
Ion	Ratio	Lower	Upper
84	100		
49	118.1	93.2	139.8
51	36.4	29.0	43.6
86	65.3	49.8	74.8

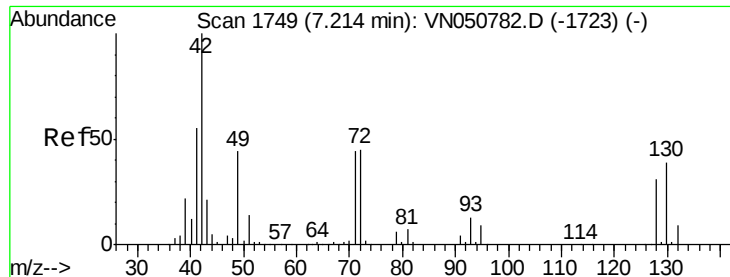


#25
2-Butanone
Concen: 0.85 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Tgt Ion: 43 Resp: 2287

Ion	Ratio	Lower	Upper
43	100		
72	0.0	22.3	33.5#





#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 7.23 min Scan# 1755

Delta R.T. 0.02 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

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SU-01-082918-B

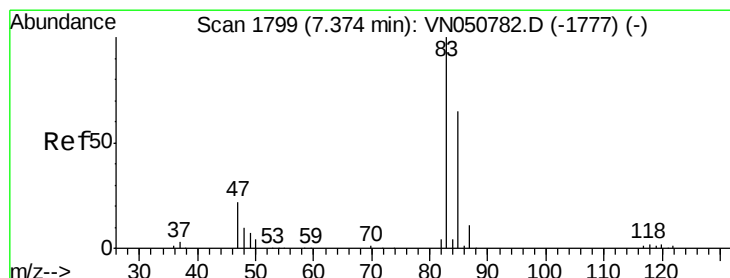
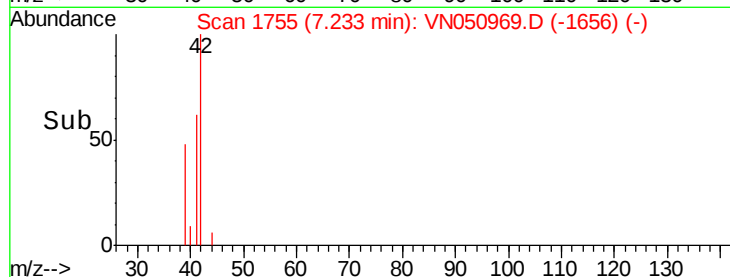
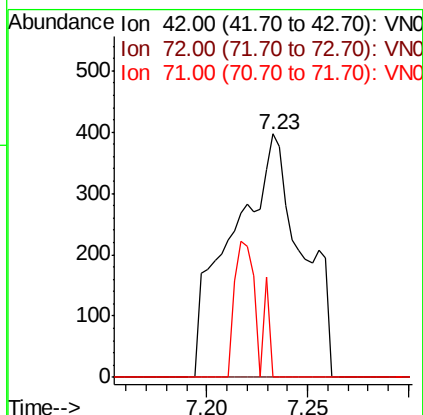
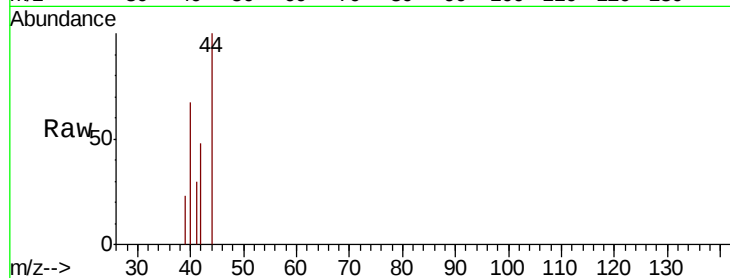
Tot Ion: 42 Resp: 944

Ion Ratio Lower Upper

42 100

72 0.0 35.5 53.3#

71 18.9 33.7 50.5#



#30

Chloroform

Concen: 1.01 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN050969.D

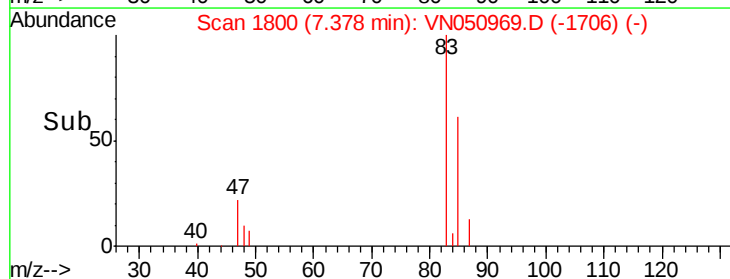
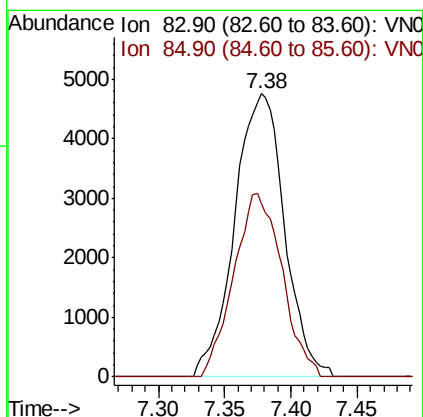
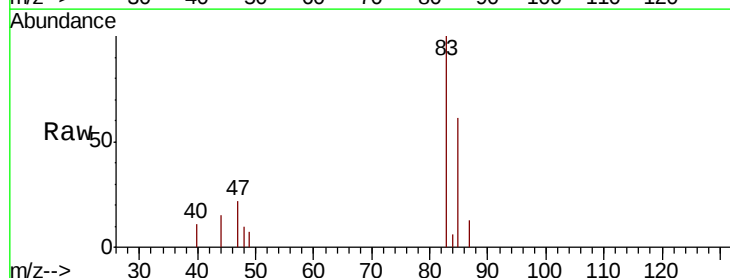
Acq: 30 Aug 2018 17:55

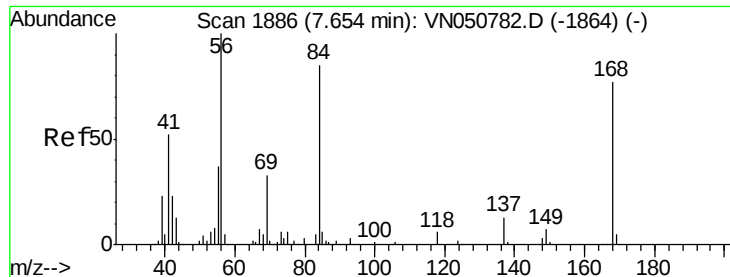
Tgt Ion: 83 Resp: 12451

Ion Ratio Lower Upper

83 100

85 61.1 52.2 78.4





#31

Cyclohexane

Concen: 1.31 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.02 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampled :

SU-01-082918-B

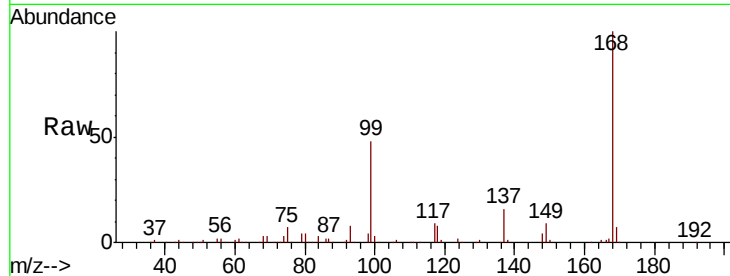
Tot Ion: 56 Resp: 9780

Ion Ratio Lower Upper

56 100

69 200.6 26.2 39.4#

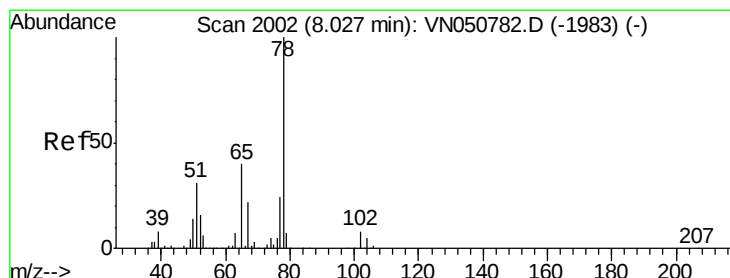
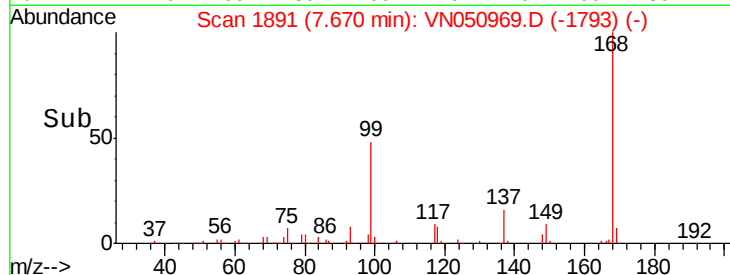
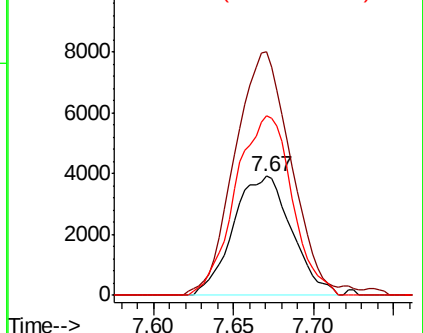
84 151.1 68.3 102.5#



Abundance Ion 56.00 (55.70 to 56.70): VN050969.D (-1793) (-)

Ion 69.00 (68.70 to 69.70): VN050969.D (-1793) (-)

Ion 84.00 (83.70 to 84.70): VN050969.D (-1793) (-)



#33

1,2-Dichloroethane-d4

Concen: 55.62 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050969.D

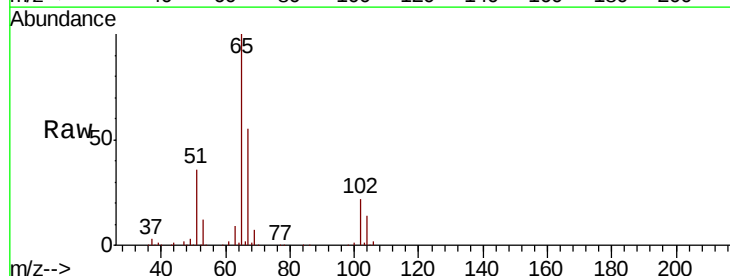
Acq: 30 Aug 2018 17:55

Tgt Ion: 65 Resp: 373189

Ion Ratio Lower Upper

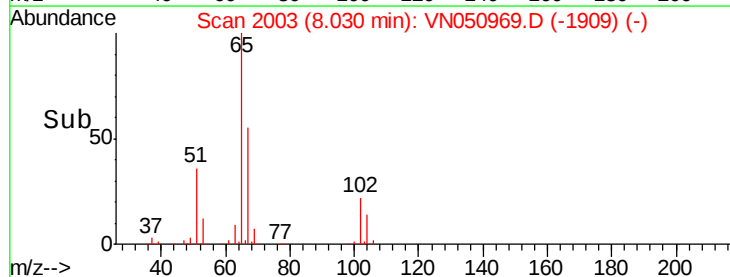
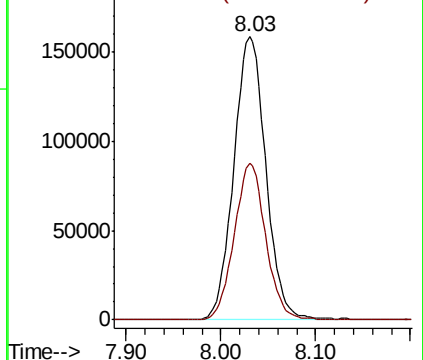
65 100

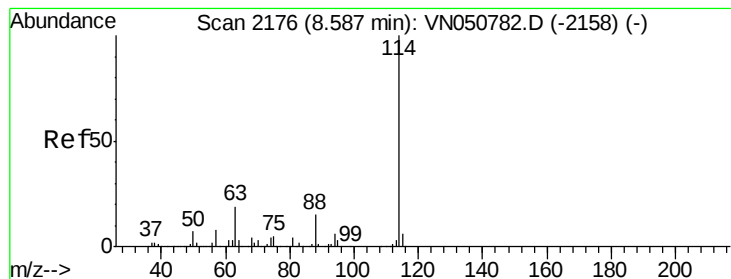
67 54.3 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VN050969.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN050969.D (-1909) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

SU-01-082918-B

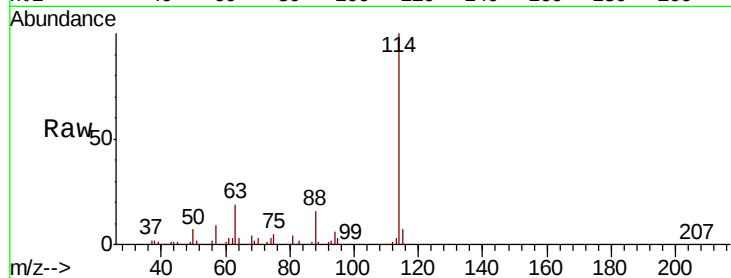
Tot Ion:114 Resp: 938863

Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.6

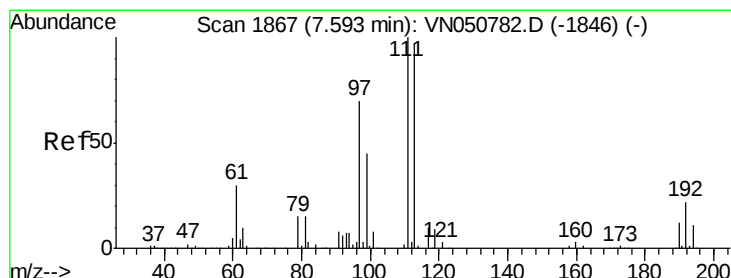
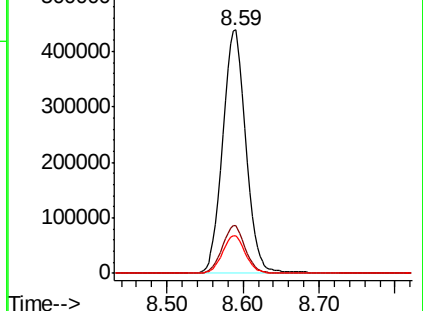
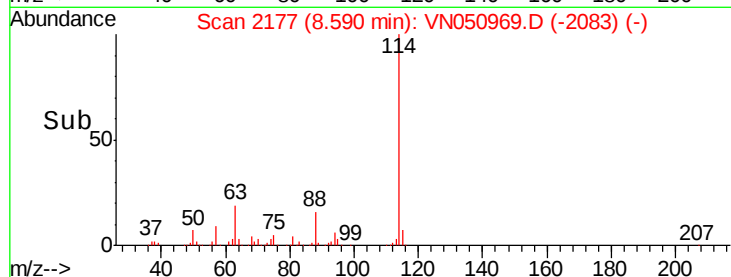
88 15.6 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 47.82 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

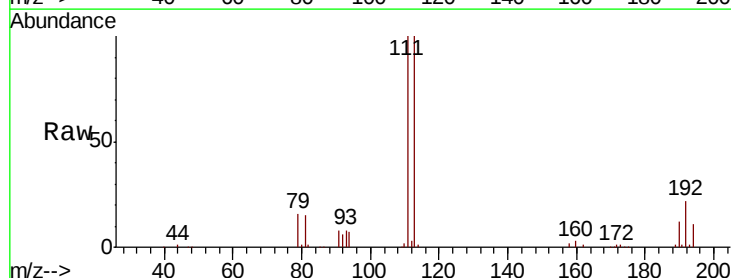
Tgt Ion:113 Resp: 357175

Ion Ratio Lower Upper

113 100

111 101.3 82.6 123.8

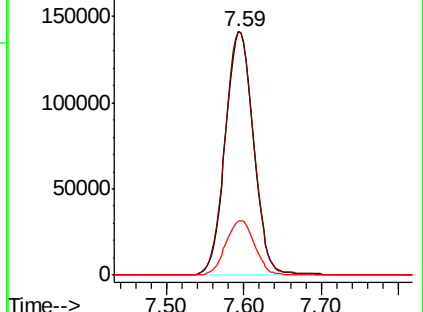
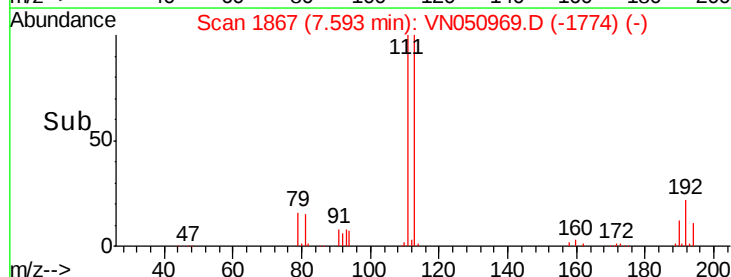
192 22.8 18.0 27.0

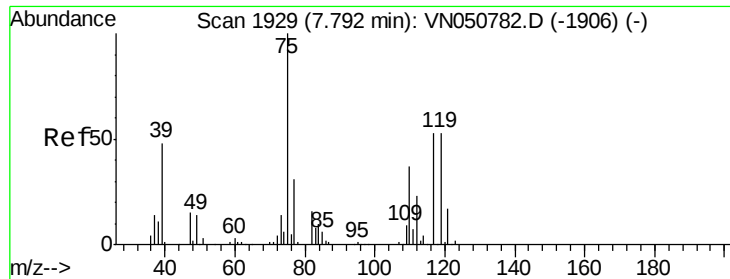


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

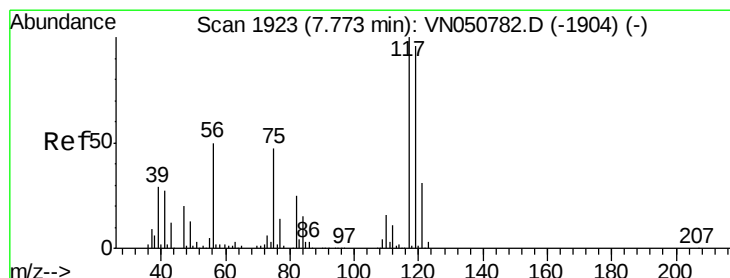
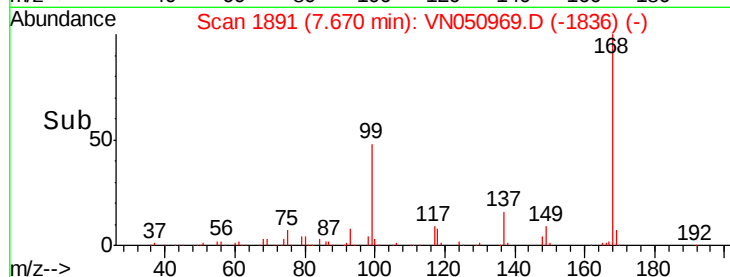
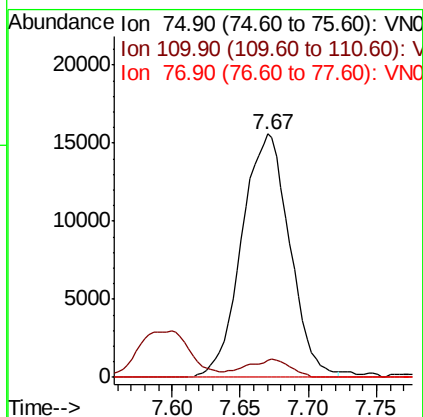
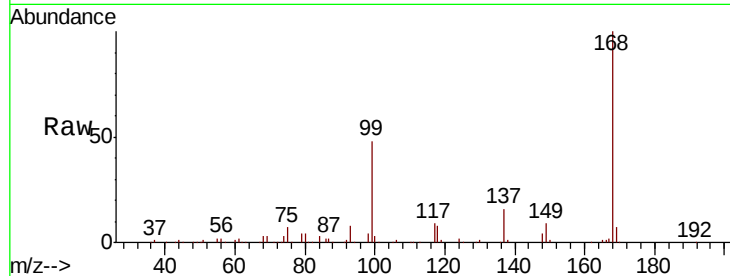




#36
 1,1-Dichloropropene
 Concen: 3.43 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN050969.D
 Acq: 30 Aug 2018 17:55

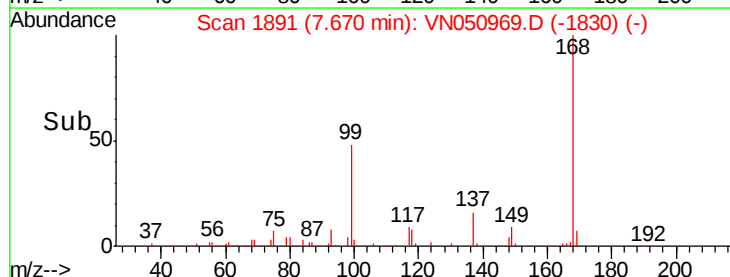
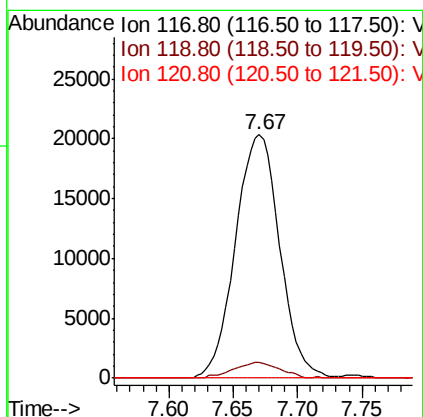
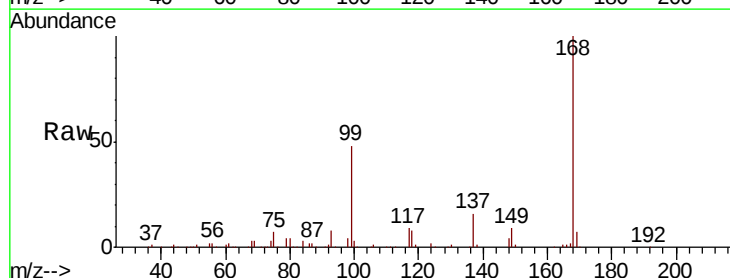
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-01-082918-B

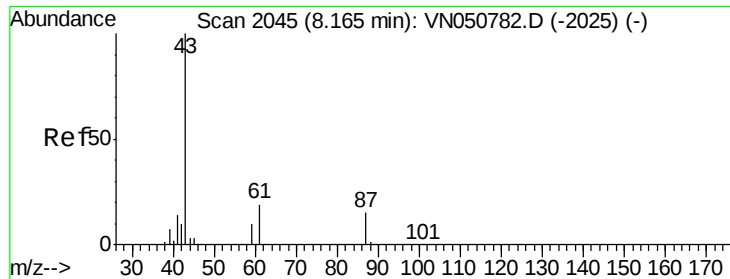
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.8	18.1	54.4#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 4.34 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.10 min
 Lab File: VN050969.D
 Acq: 30 Aug 2018 17:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.3	76.3	114.5#
121	0.0	24.6	36.8#



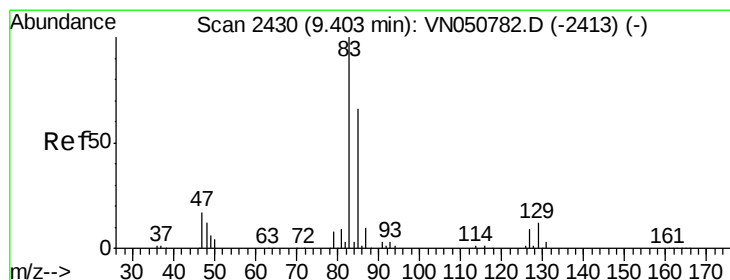
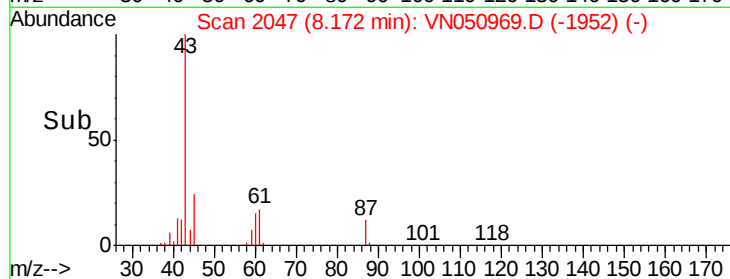
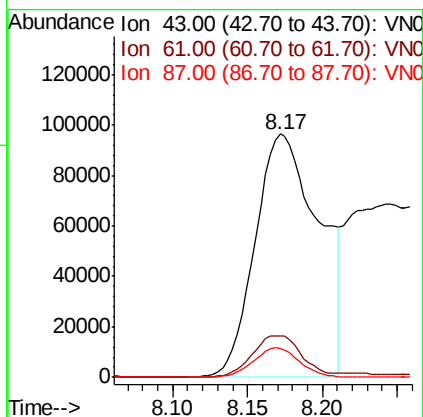
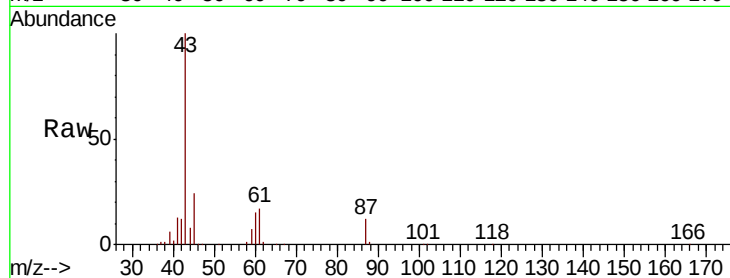


#43

Isopropyl Acetate
 Concen: 26.09 ug/l
 RT: 8.17 min Scan# 2047
 Delta R.T. 0.01 min
 Lab File: VN050969.D
 Acq: 30 Aug 2018 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-01-082918-B

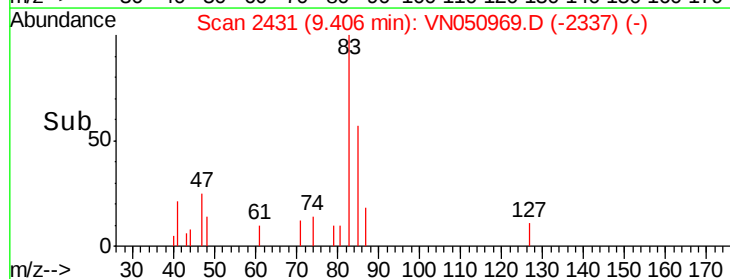
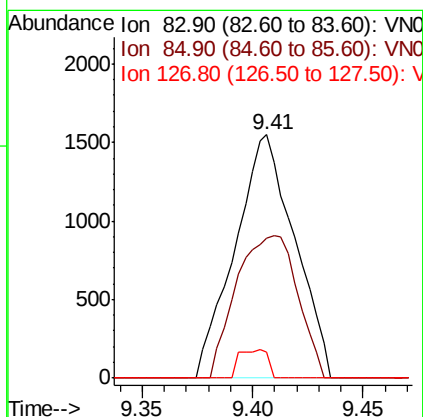
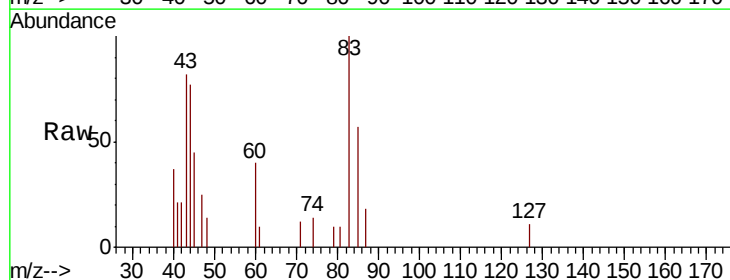
Tot Ion: 43 Resp: 285480
 Ion Ratio Lower Upper
 43 100
 61 13.6 17.5 26.3#
 87 8.8 11.3 16.9#

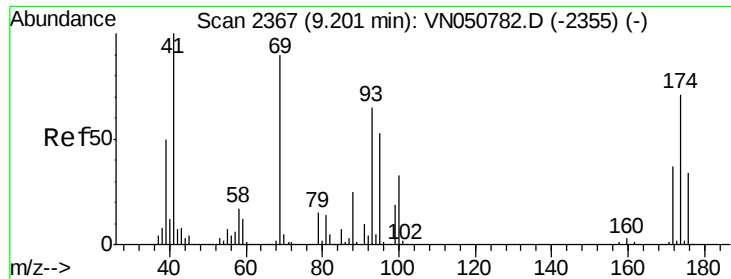


#47

Bromodichloromethane
 Concen: 0.27 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VN050969.D
 Acq: 30 Aug 2018 17:55

Tgt Ion: 83 Resp: 2906
 Ion Ratio Lower Upper
 83 100
 85 57.2 52.6 78.8
 127 10.8 7.2 10.8

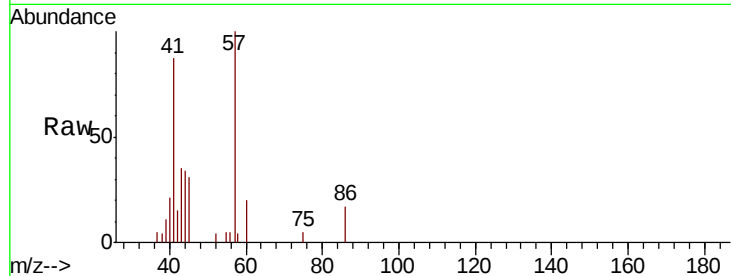




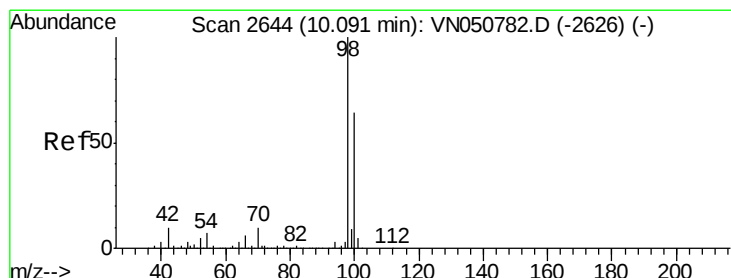
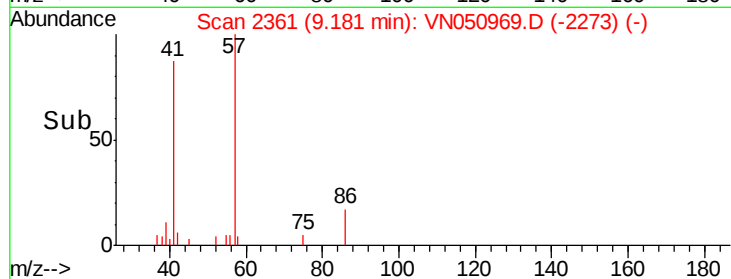
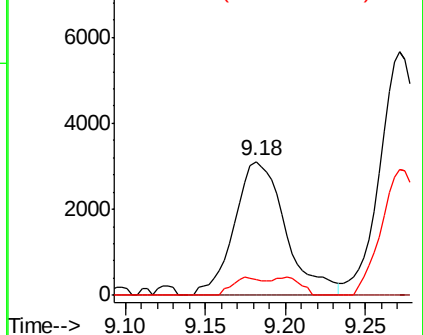
#48
Methyl methacrylate
Concen: 1.22 ug/l
RT: 9.18 min Scan# 2361
Delta R.T. -0.02 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Instrument :
MSVOA_N
ClientSampleId :
SU-01-082918-B

Tot Ion: 41 Resp: 6823
Ion Ratio Lower Upper
41 100
69 0.0 74.7 112.1#
39 8.1 42.2 63.2#

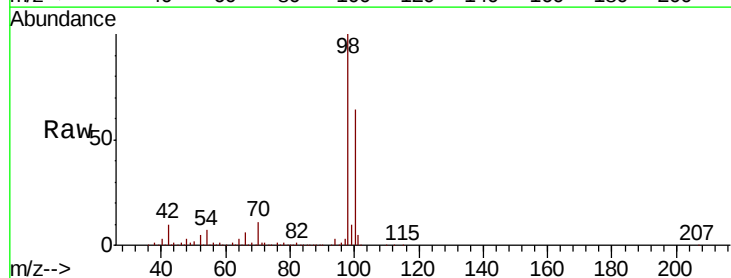


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

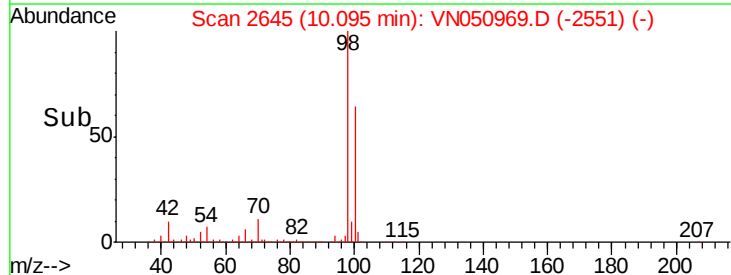
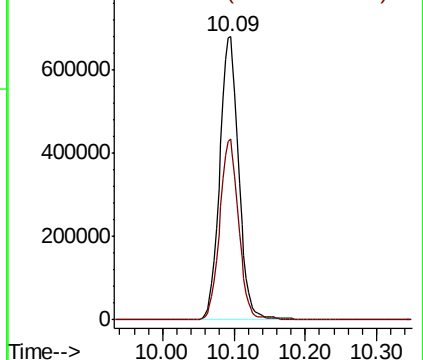


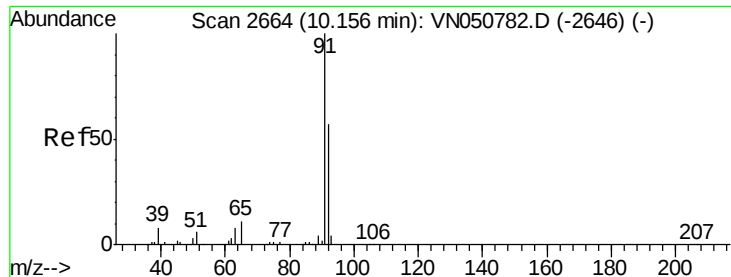
#50
Toluene-d8
Concen: 44.88 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Tgt Ion: 98 Resp: 1253296
Ion Ratio Lower Upper
98 100
100 63.7 51.5 77.3



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





#52

Toluene

Concen: 0.58 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

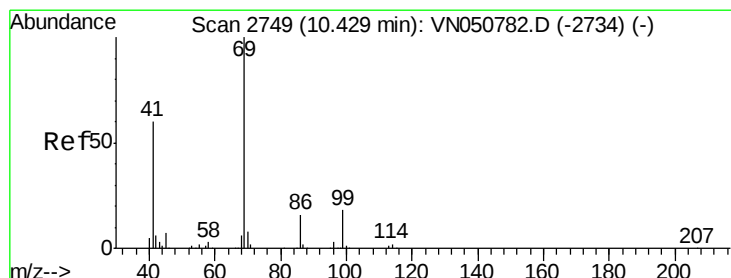
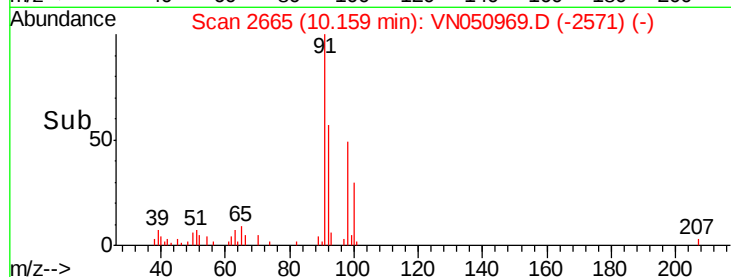
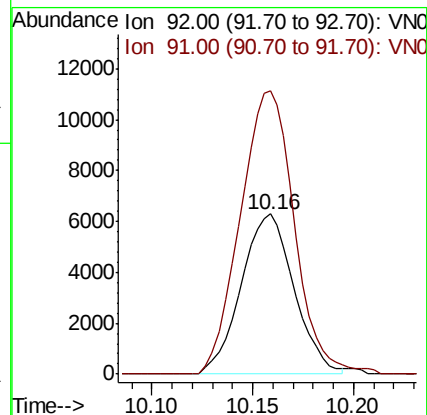
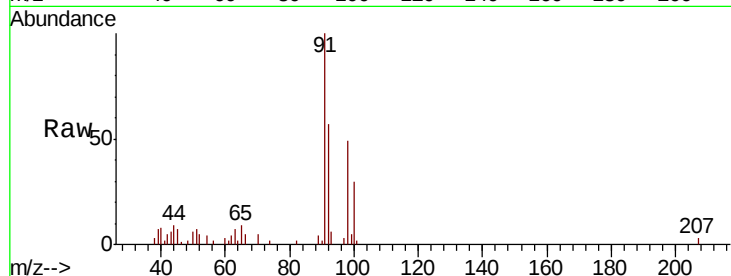
SU-01-082918-B

Tot Ion: 92 Resp: 11513

Ion Ratio Lower Upper

92 100

91 181.4 140.6 211.0



#56

Ethyl methacrylate

Concen: 2.37 ug/l

RT: 10.27 min Scan# 2700

Delta R.T. -0.16 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

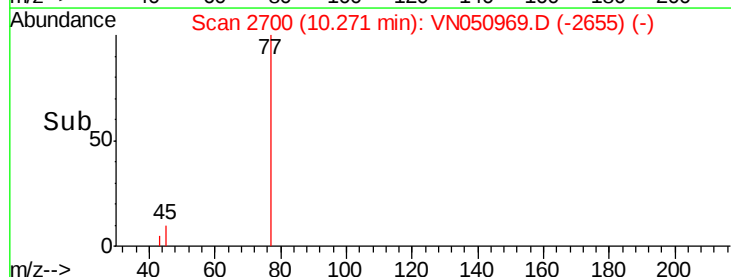
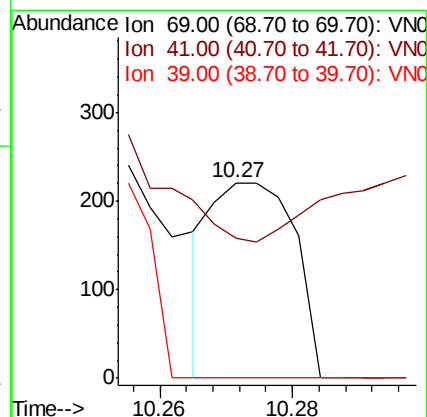
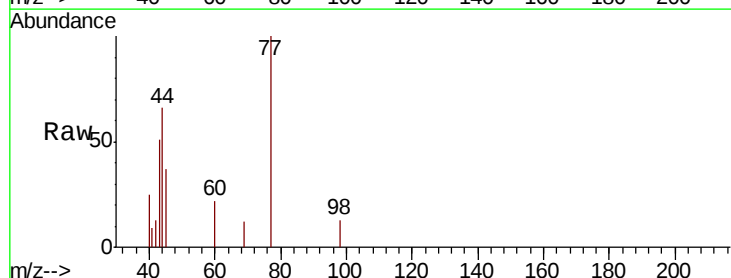
Tgt Ion: 69 Resp: 194

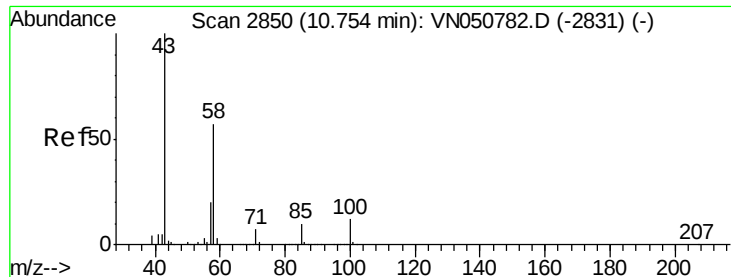
Ion Ratio Lower Upper

69 100

41 0.0 48.3 72.5#

39 0.0 24.0 36.0#

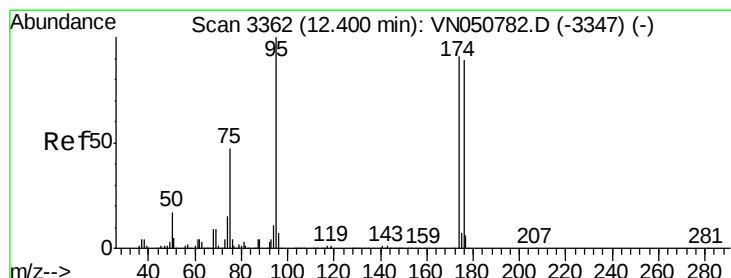
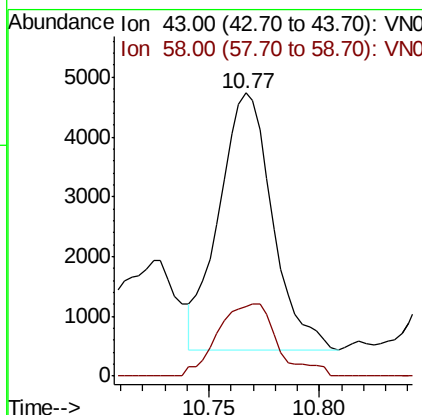
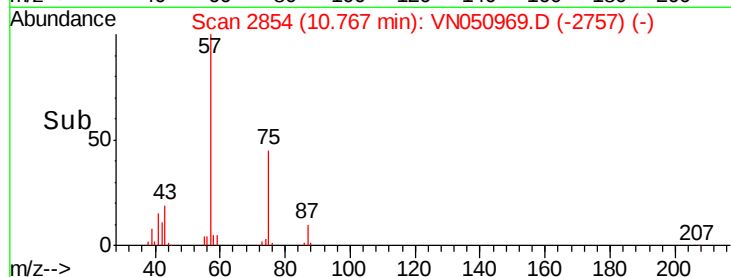
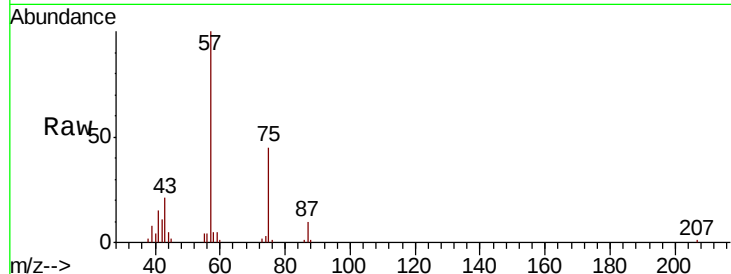




#59
2-Hexanone
Concen: 1.66 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

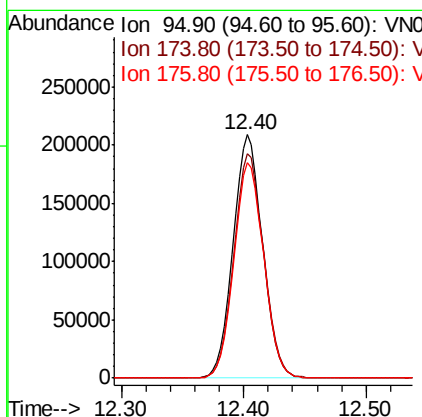
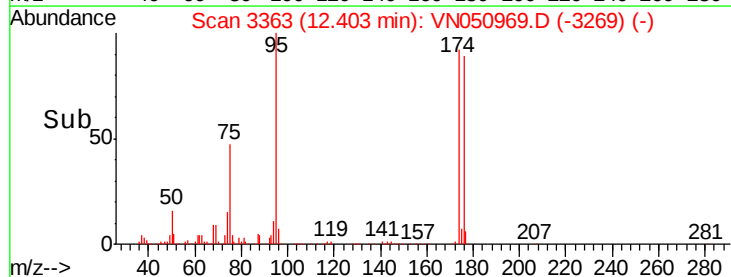
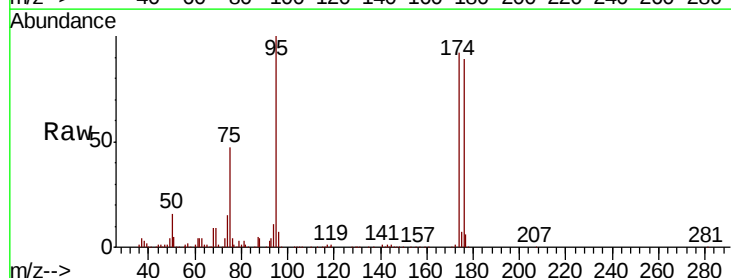
Instrument :
MSVOA_N
ClientSampleId :
SU-01-082918-B

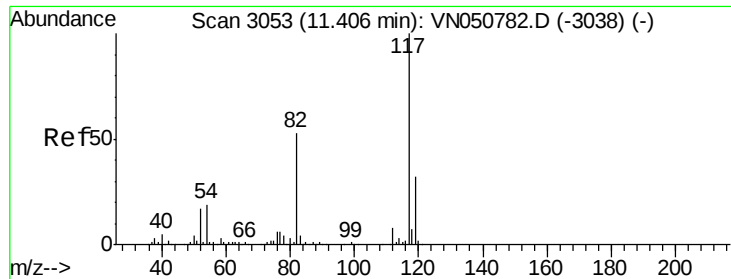
Tot Ion: 43 Resp: 7229
Ion Ratio Lower Upper
43 100
58 31.3 28.3 85.0



#62
4-Bromofluorobenzene
Concen: 37.67 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Tgt Ion: 95 Resp: 349590
Ion Ratio Lower Upper
95 100
174 93.3 0.0 183.0
176 89.5 0.0 178.8

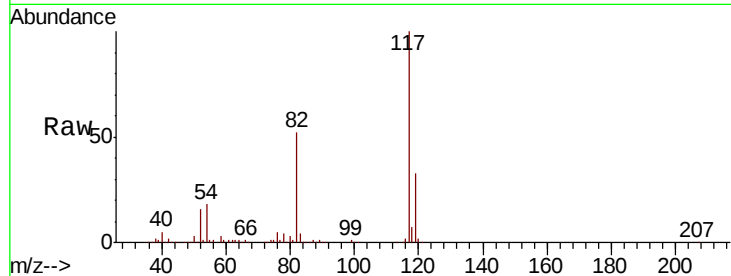




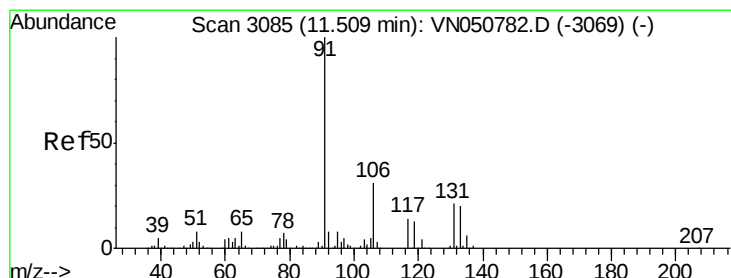
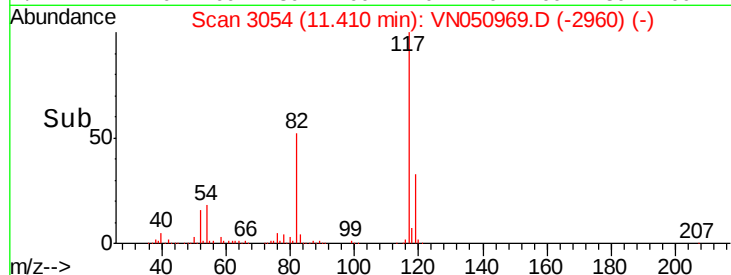
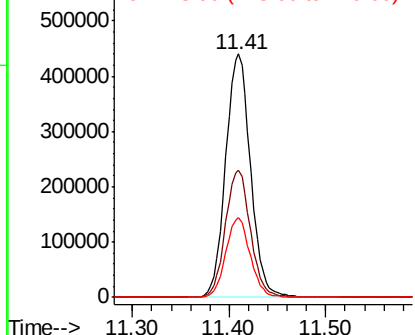
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Instrument :
MSVOA_N
ClientSampleId :
SU-01-082918-B

Tot Ion:117 Resp: 784985
Ion Ratio Lower Upper
117 100
82 52.3 42.6 64.0
119 32.6 25.8 38.6

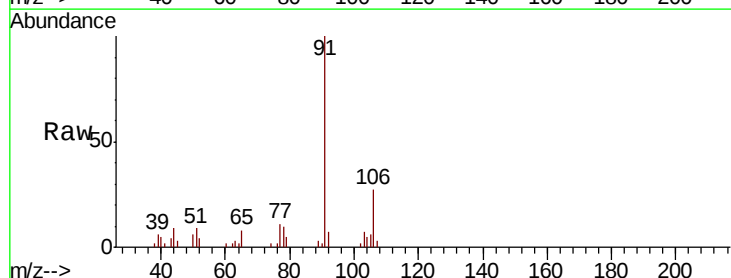


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

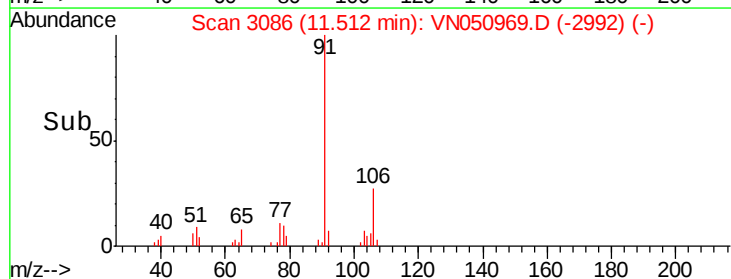
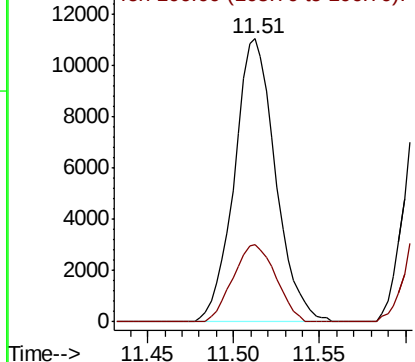


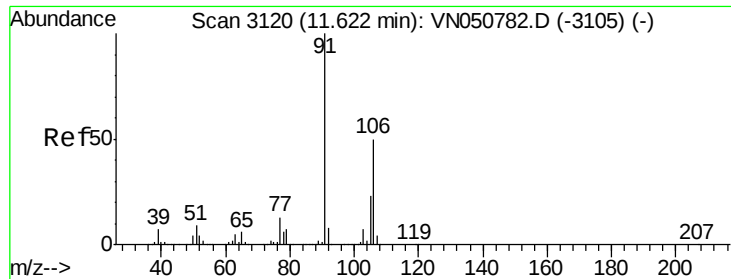
#67
Ethyl Benzene
Concen: 0.55 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Tgt Ion: 91 Resp: 18317
Ion Ratio Lower Upper
91 100
106 27.4 25.0 37.4



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

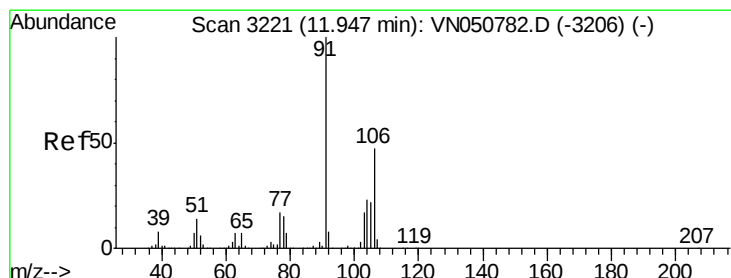
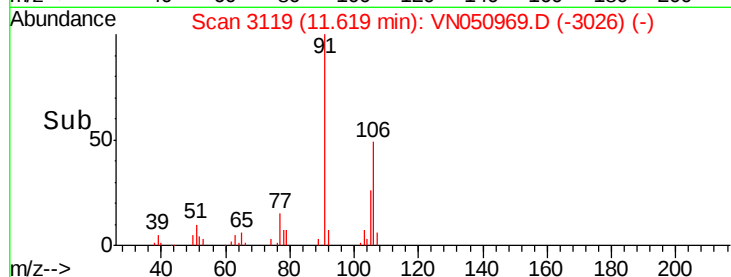
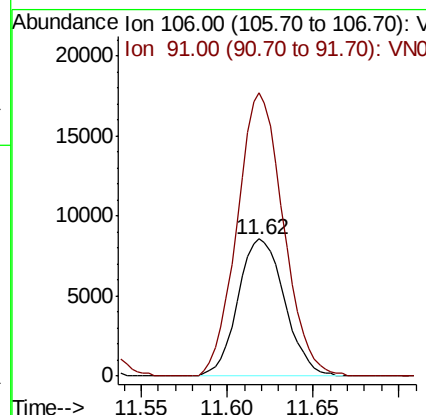
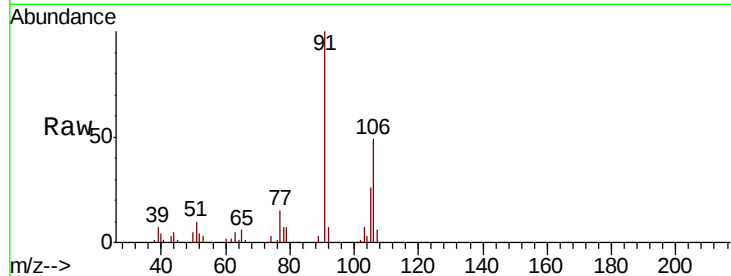




#68
m/p-Xylenes
Concen: 1.28 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.00 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

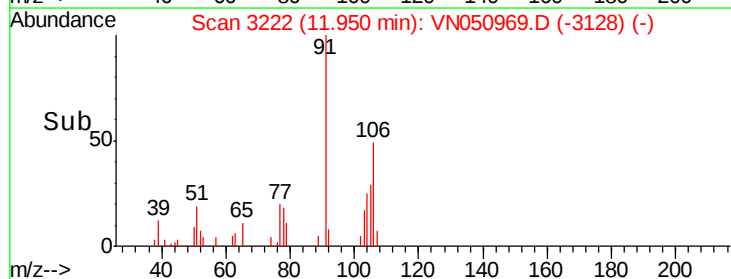
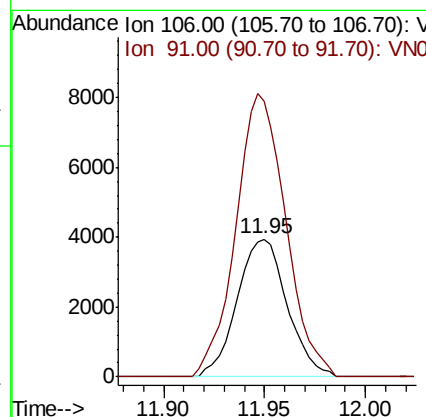
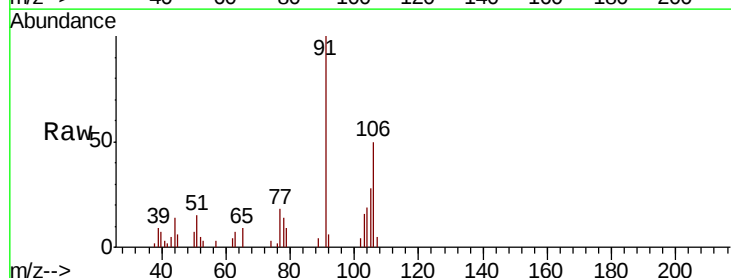
Instrument :
MSVOA_N
ClientSampleId :
SU-01-082918-B

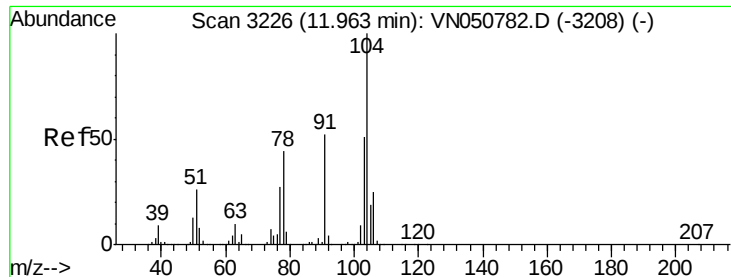
Tot Ion:106 Resp: 16175
Ion Ratio Lower Upper
106 100
91 204.8 161.0 241.6



#69
o-Xylene
Concen: 0.56 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Tgt Ion:106 Resp: 6849
Ion Ratio Lower Upper
106 100
91 204.7 106.5 319.5

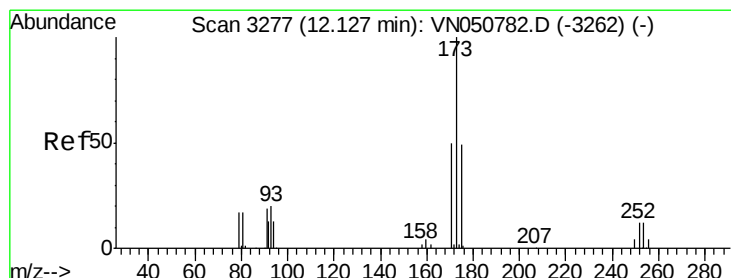
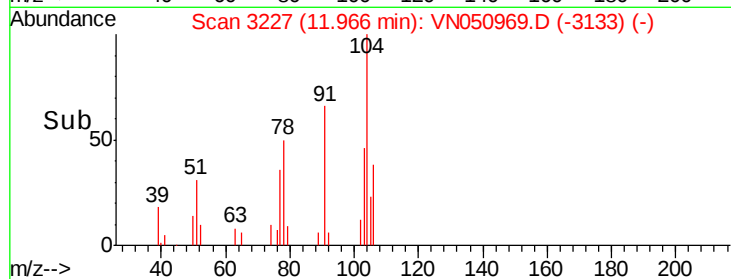
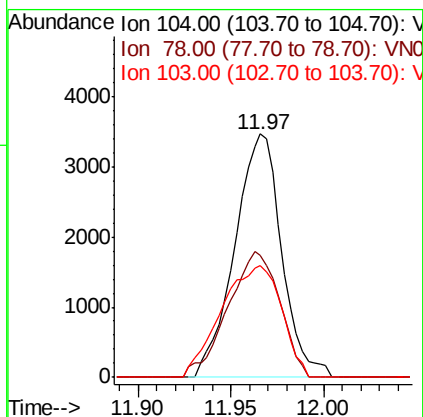
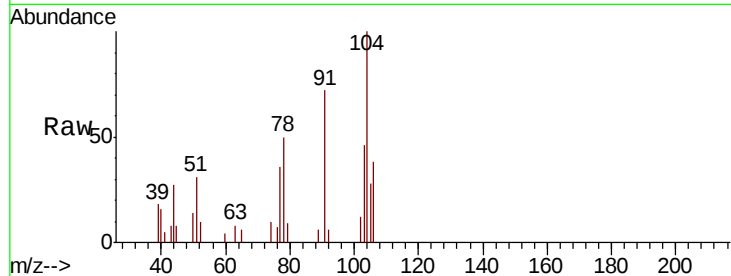




#70
Stvrene
Concen: 1.55 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

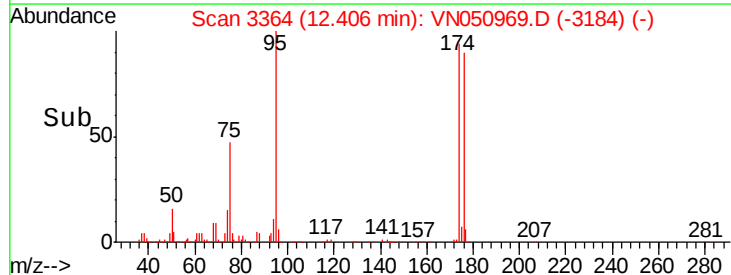
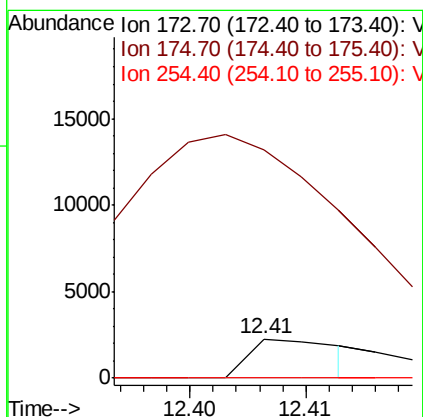
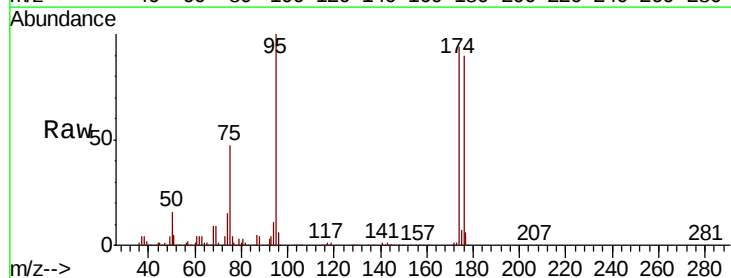
Instrument :
MSVOA_N
ClientSampled :
SU-01-082918-B

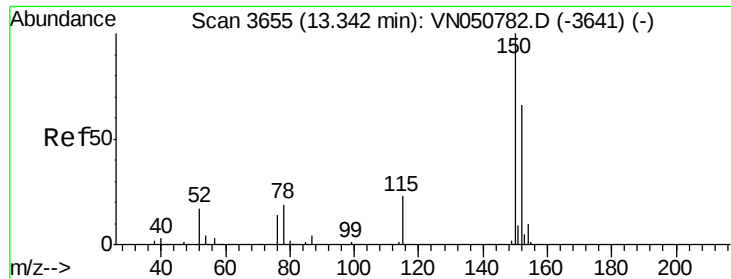
Tot Ion:104 Resp: 6104
Ion Ratio Lower Upper
104 100
78 56.7 38.2 57.4
103 58.6 44.4 66.6



#71
Bromoform
Concen: 0.23 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN050969.D
Acq: 30 Aug 2018 17:55

Tgt Ion:173 Resp: 1198
Ion Ratio Lower Upper
173 100
175 1590.3 24.4 73.4#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

SU-01-082918-B

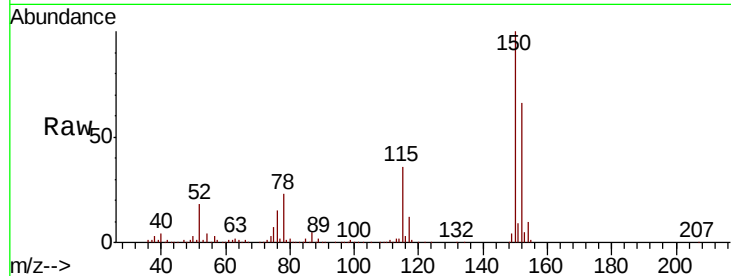
Tot Ion:152 Resp: 305095

Ion Ratio Lower Upper

152 100

115 56.4 27.8 83.4

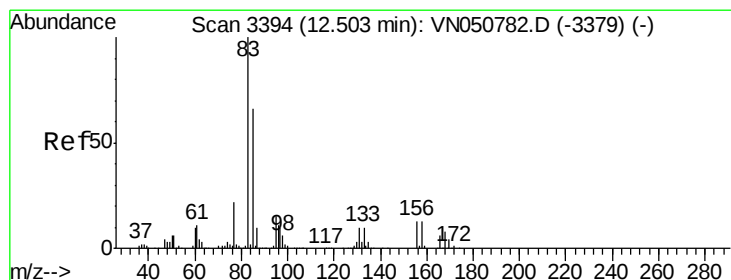
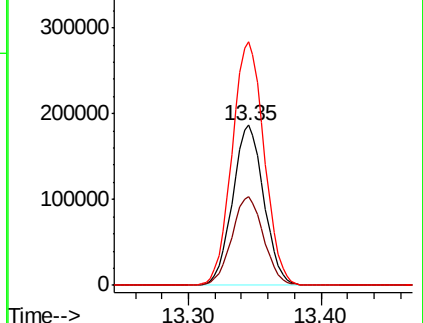
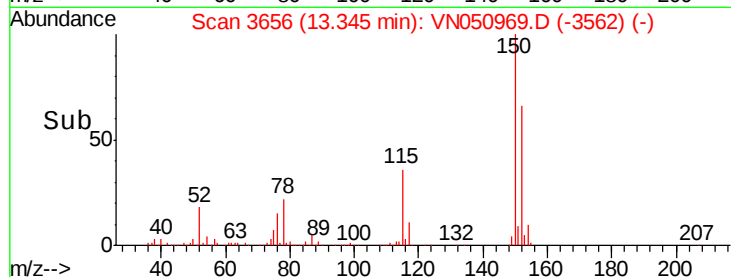
150 156.2 0.0 351.4



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3364

Delta R.T. -0.10 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

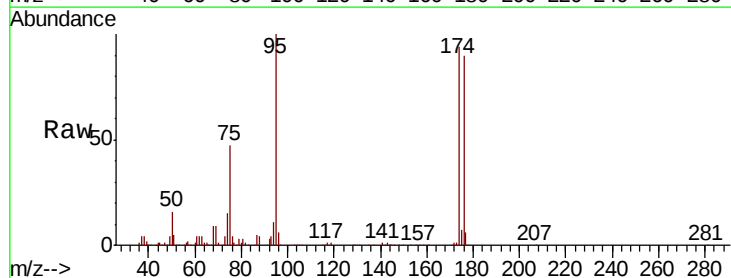
Tgt Ion: 83 Resp: 226

Ion Ratio Lower Upper

83 100

131 174.8 5.3 15.9#

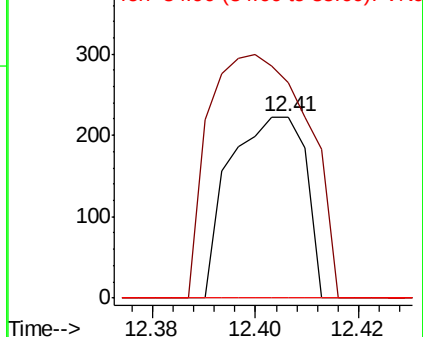
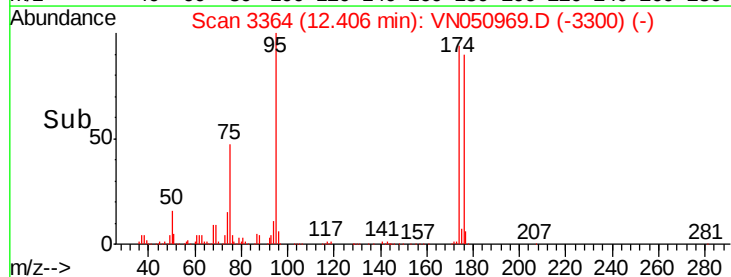
85 0.0 31.9 95.7#

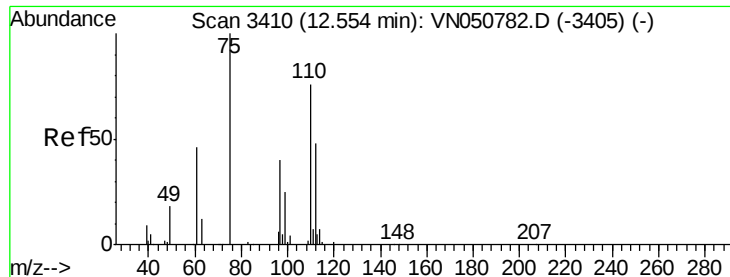


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 30.78 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

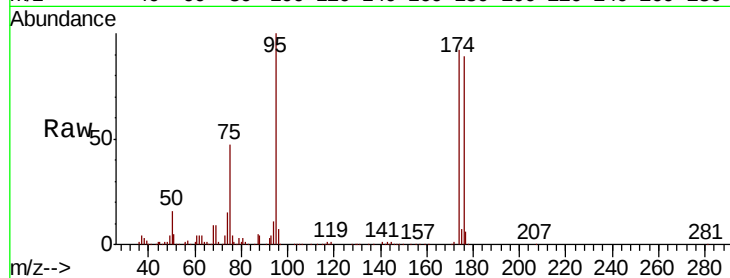
SU-01-082918-B

Tot Ion: 75 Resp: 164462

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

100000

80000

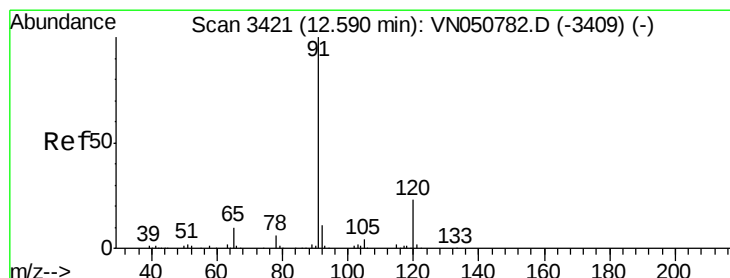
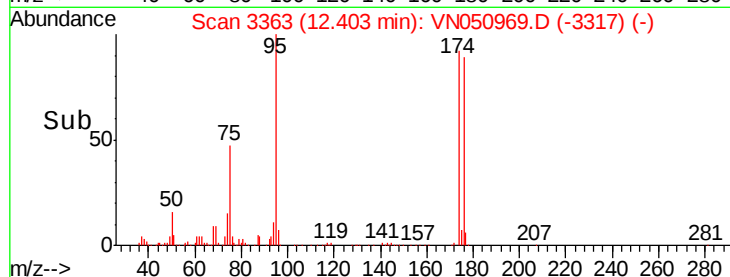
60000

40000

20000

0

Time-->



#78

n-propylbenzene

Concen: 0.20 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050969.D

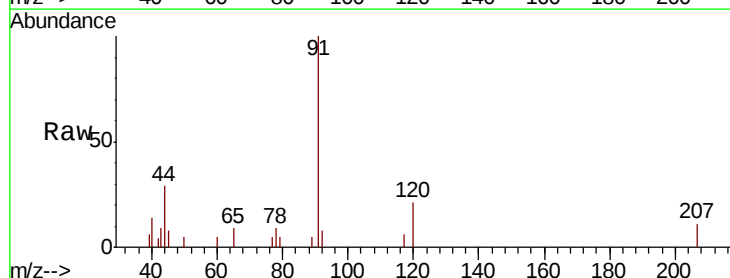
Acq: 30 Aug 2018 17:55

Tgt Ion: 91 Resp: 5681

Ion Ratio Lower Upper

91 100

120 22.3 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.59

4000

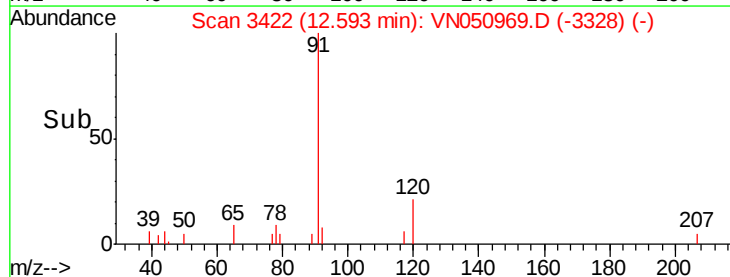
3000

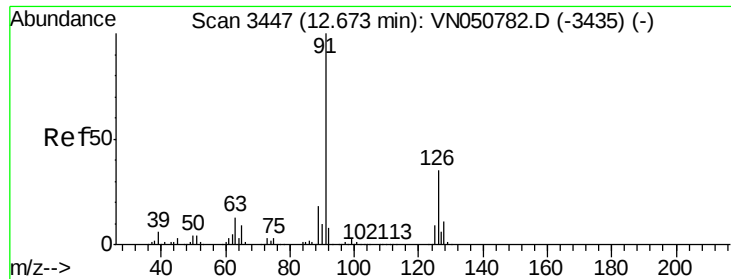
2000

1000

0

Time-->





#79

2-Chlorotoluene

Concen: 0.25 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampled :

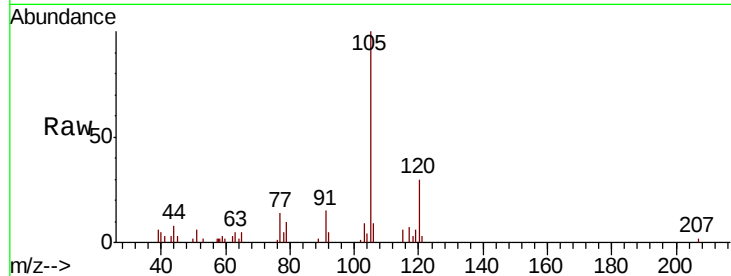
SU-01-082918-B

Tot Ion: 91 Resp: 4438

Ion Ratio Lower Upper

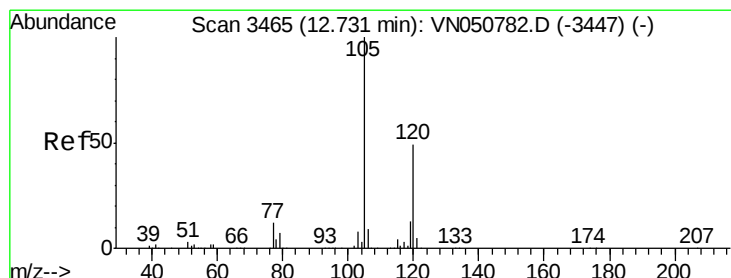
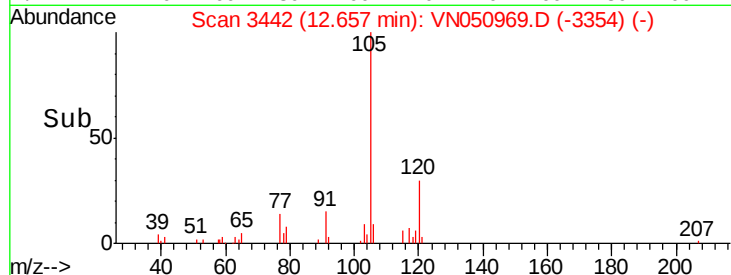
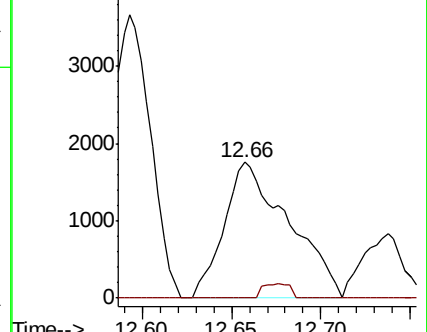
91 100

126 4.4 17.8 53.3#



Abundance Ion 91.00 (90.70 to 91.70): VN050782.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN050782.D (-3435) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.54 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050969.D

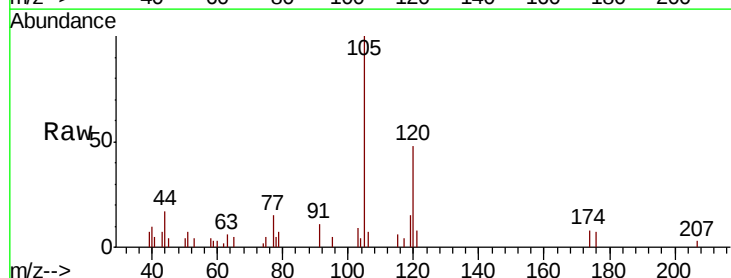
Acq: 30 Aug 2018 17:55

Tgt Ion: 105 Resp: 11008

Ion Ratio Lower Upper

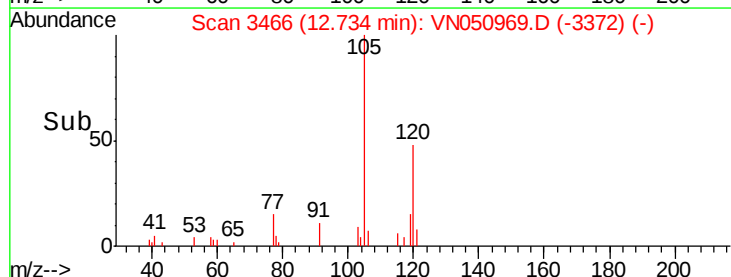
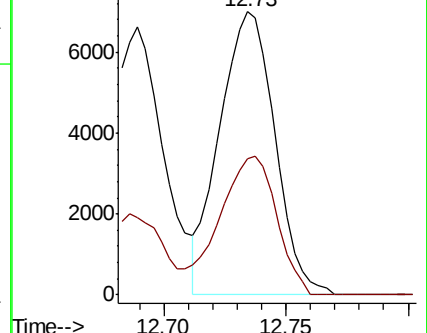
105 100

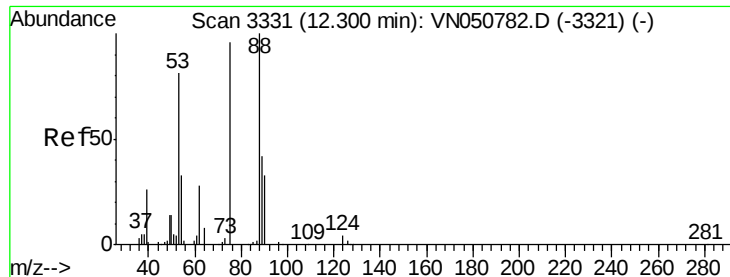
120 50.5 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN050782.D (-3447) (-)

Ion 120.00 (119.70 to 120.70): VN050782.D (-3447) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 104.04 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

SU-01-082918-B

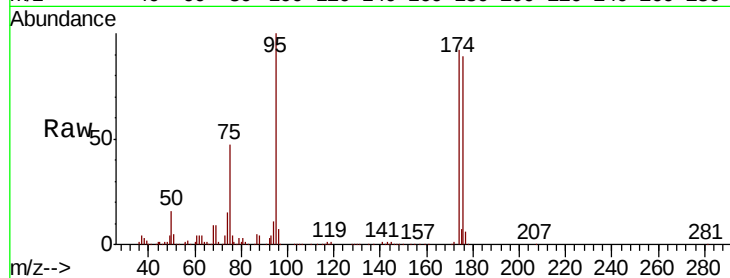
Tot Ion: 75 Resp: 164462

Ion Ratio Lower Upper

75 100

53 0.3 68.9 103.3#

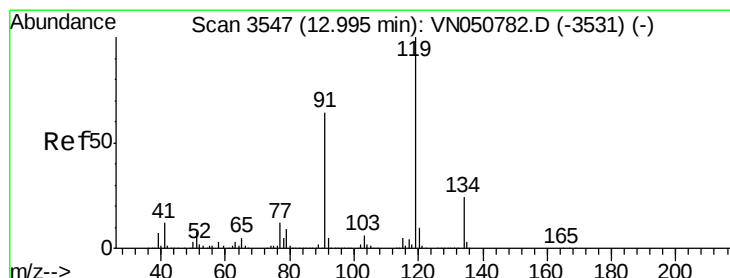
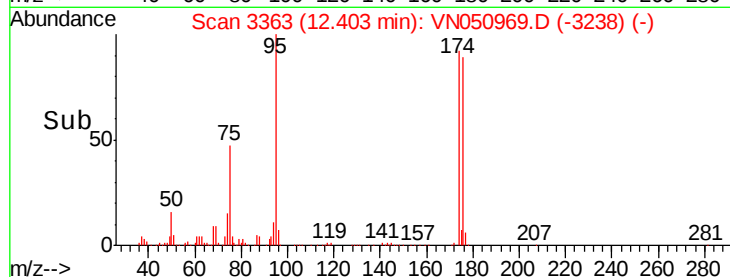
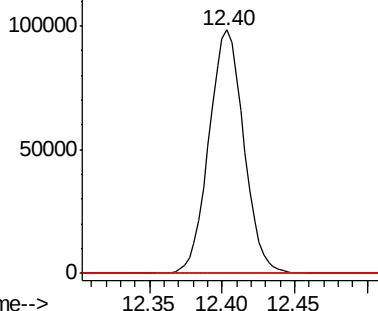
89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN050782.D (-3321) (-)

Ion 53.00 (52.70 to 53.70): VN050782.D (-3321) (-)

Ion 88.90 (88.60 to 89.60): VN050782.D (-3321) (-)



#83

tert-Butylbenzene

Concen: 0.32 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.05 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

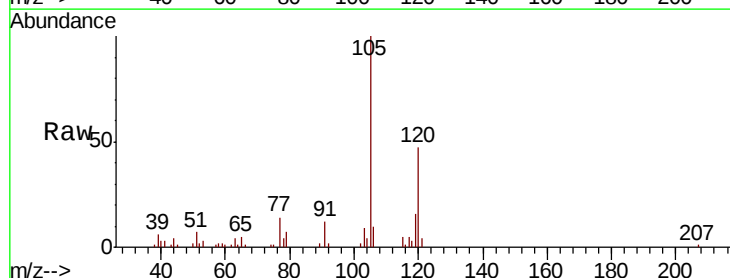
Tgt Ion: 119 Resp: 5636

Ion Ratio Lower Upper

119 100

91 83.0 31.6 94.7

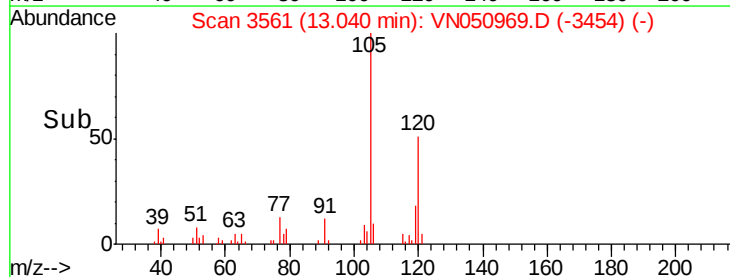
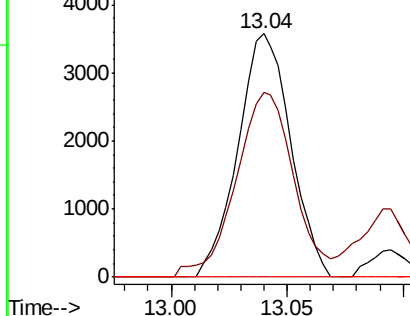
134 0.0 13.4 40.1#

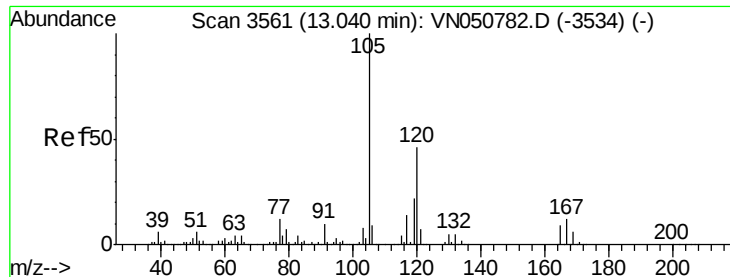


Abundance Ion 119.00 (118.70 to 119.70): VN050782.D (-3531) (-)

Ion 91.00 (90.70 to 91.70): VN050782.D (-3531) (-)

Ion 134.00 (133.70 to 134.70): VN050782.D (-3531) (-)





#84

1,2,4-Trimethylbenzene

Concen: 1.76 ug/l

RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

Lab File: VN050969.D

Acq: 30 Aug 2018 17:55

Instrument :

MSVOA_N

ClientSampleId :

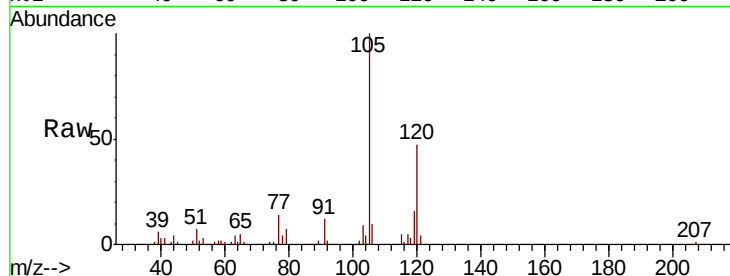
SU-01-082918-B

Tot Ion:105 Resp: 36089

Ion Ratio Lower Upper

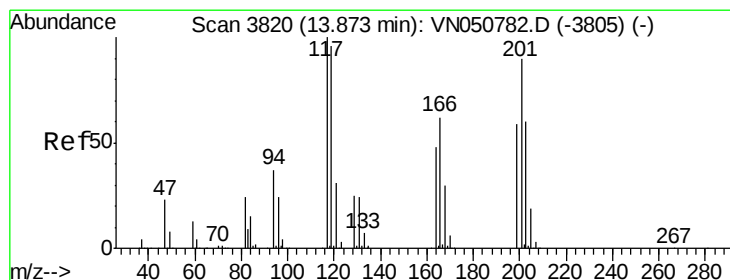
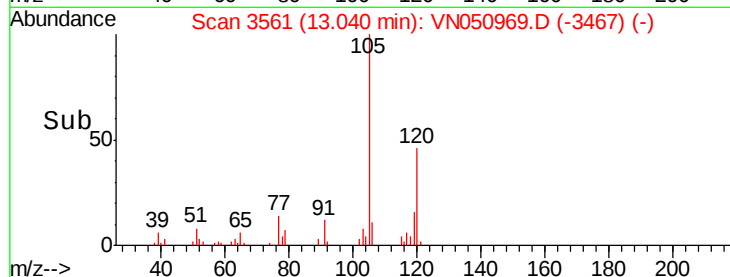
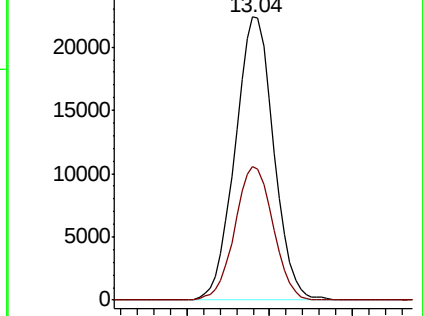
105 100

120 46.7 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#90

Hexachloroethane

Concen: 0.56 ug/l

RT: 13.89 min Scan# 3825

Delta R.T. 0.02 min

Lab File: VN050969.D

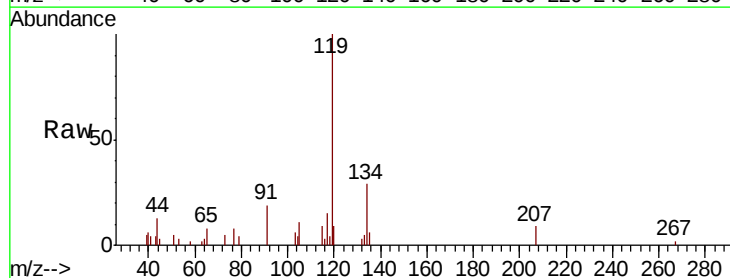
Acq: 30 Aug 2018 17:55

Tgt Ion:117 Resp: 1397

Ion Ratio Lower Upper

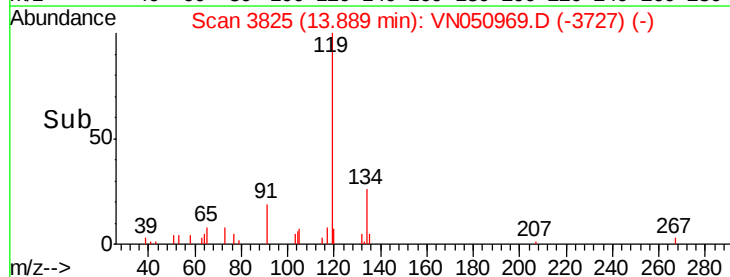
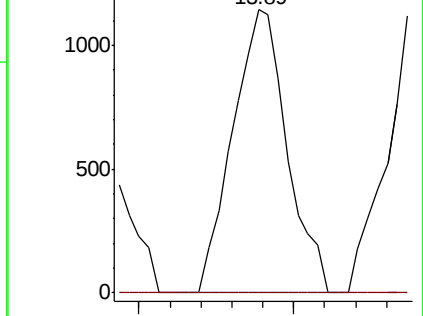
117 100

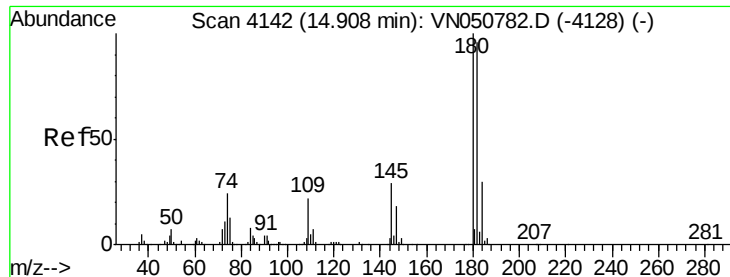
201 0.0 46.0 137.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

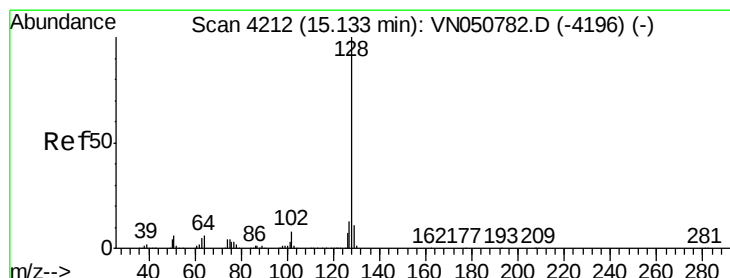
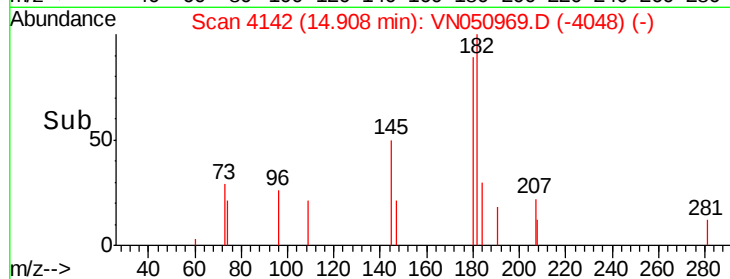
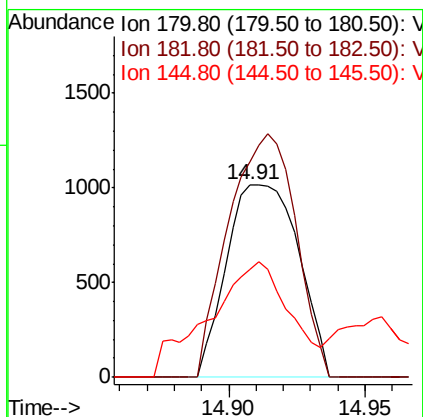
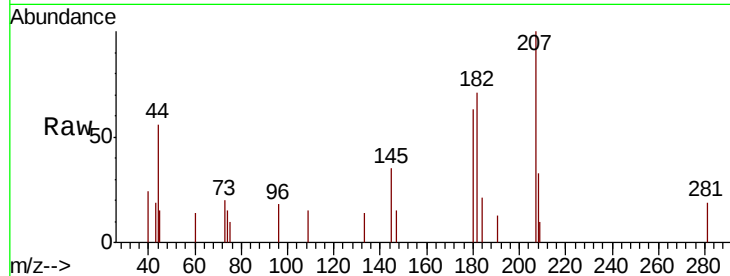




#93
 1,2,4-Trichlorobenzene
 Concen: 4.38 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN050969.D
 Acq: 30 Aug 2018 17:55

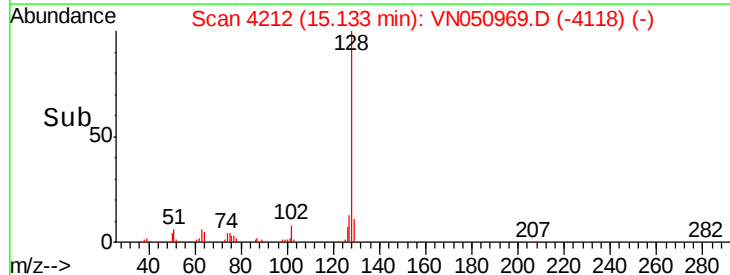
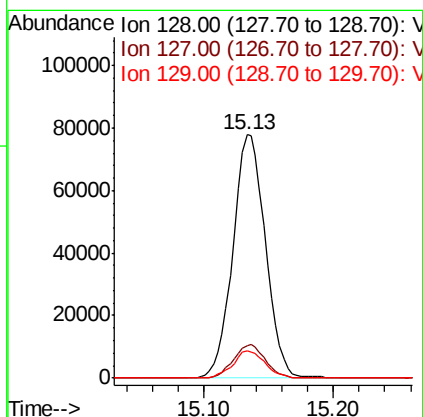
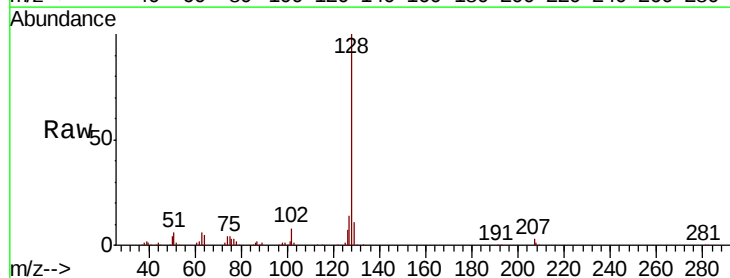
Instrument :
 MSVOA_N
 ClientSampleId :
 SU-01-082918-B

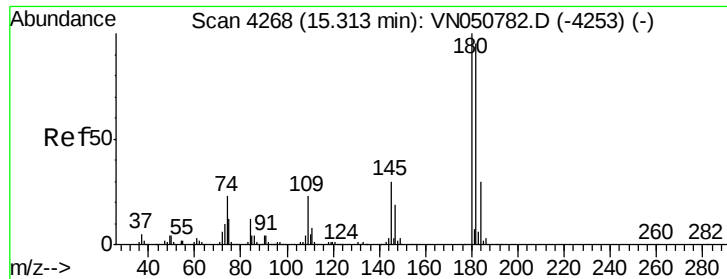
Tot Ion:180 Resp: 1869
 Ion Ratio Lower Upper
 180 100
 182 117.9 48.2 144.6
 145 67.7 14.1 42.2#



#95
 Naphthalene
 Concen: 15.36 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN050969.D
 Acq: 30 Aug 2018 17:55

Tgt Ion:128 Resp: 136055
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.5 15.7
 129 11.1 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 3.34 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN050969.D
 Acq: 30 Aug 2018 17:55

Instrument :
 MSVOA_N
 ClientSampleId :
 SU-01-082918-B

Tot Ion	Ratio	Lower	Upper
180	100		
182	104.1	48.0	144.2
145	56.7	15.2	45.6

