

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057913.D
 Acq On : 11 Sep 2019 10:40
 Operator : JC/SP
 Sample : K4643-34
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 56 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-C4-(0)

Quant Time: Sep 12 01:31:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 03:02:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	304235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	506394	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	458802	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	240062	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	331113	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	
35) Dibromofluoromethane	7.58	113	221096	47.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.62%	
50) Toluene-d8	10.09	98	868428	47.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.72%	
62) 4-Bromofluorobenzene	12.41	95	289152	41.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	83.62%	

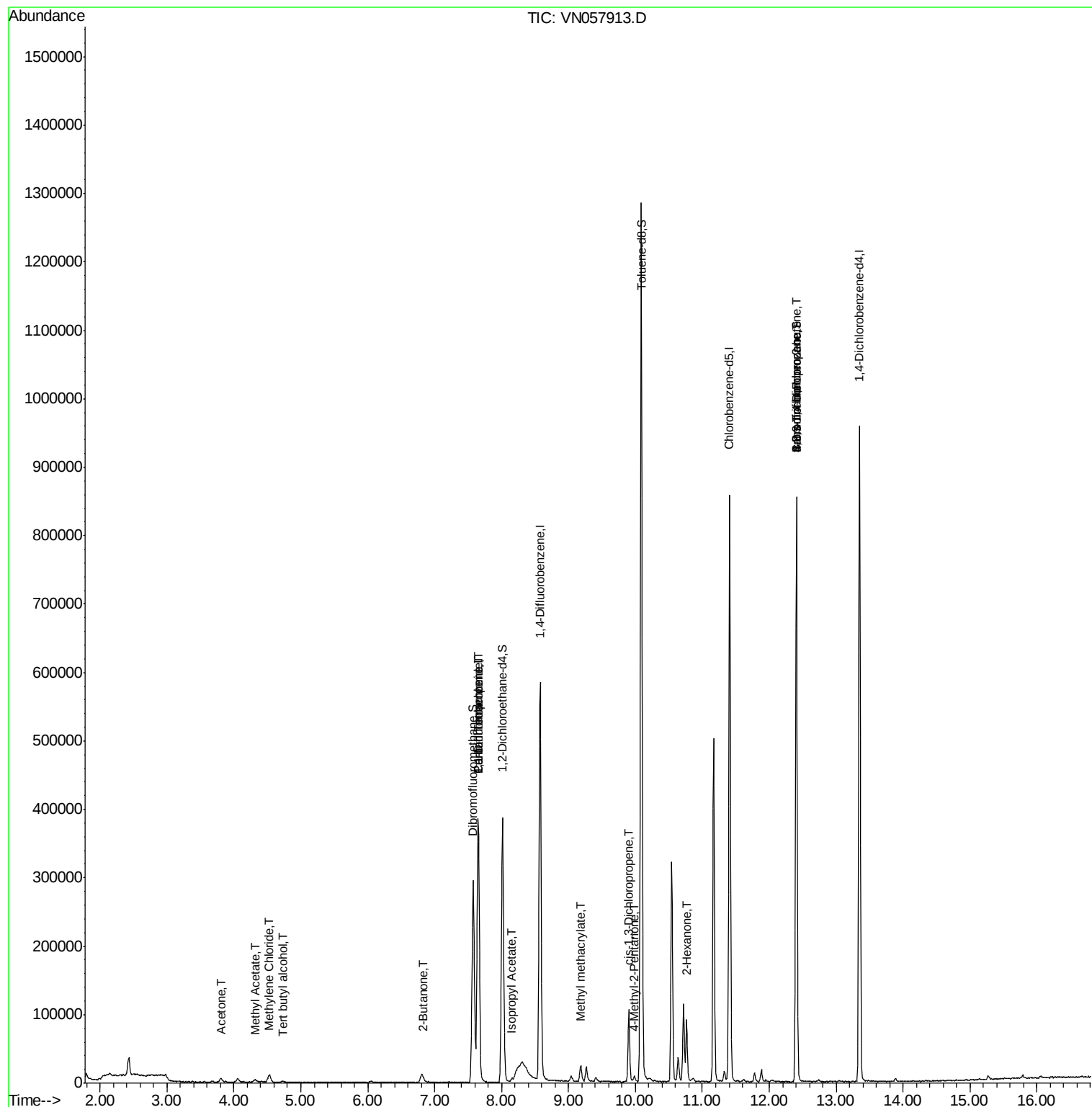
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	61	Below Cal	#	2
11) Tert butyl alcohol	4.74	59	458	0.614	ug/l #	72
16) Acetone	3.81	43	10991	5.441	ug/l	92
18) Methyl Acetate	4.31	43	2758	0.512	ug/l	96
20) Methylene Chloride	4.53	84	7938	0.854	ug/l	93
25) 2-Butanone	6.83	43	787	0.269	ug/l #	74
31) Cyclohexane	7.65	56	7785	Below Cal	#	19
36) 1,1-Dichloropropene	7.65	75	25764	4.387	ug/l #	49
38) Carbon Tetrachloride	7.65	117	31080	5.796	ug/l #	16
43) Isopropyl Acetate	8.16	43	6417	0.629	ug/l #	78
48) Methyl methacrylate	9.18	41	3446	0.666	ug/l #	24
51) 4-Methyl-2-Pentanone	9.98	43	5273	0.873	ug/l	95
54) cis-1,3-Dichloropropene	9.90	75	18194	2.521	ug/l #	67
59) 2-Hexanone	10.76	43	14045	3.103	ug/l #	57
71) Bromoform	12.40	173	646	0.249	ug/l #	30
76) 1,2,3-Trichloropropane	12.40	75	158725	29.228	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	158725	102.853	ug/l #	6
95) Naphthalene	15.14	128	1829	Below Cal	#	76

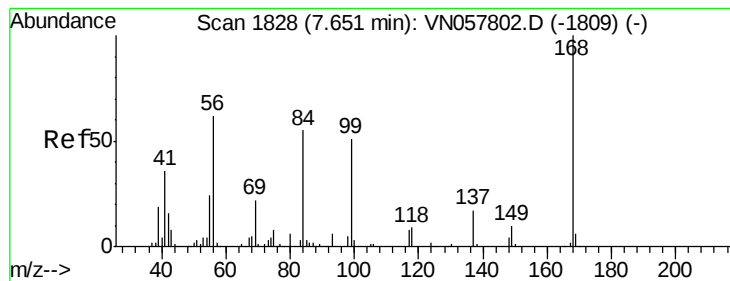
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091019W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 10 03:02:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057913.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

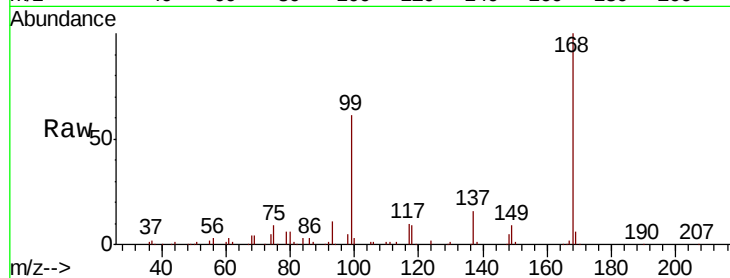
T11-C4-(0)

Tgt Ion:168 Resp: 304235

Ion Ratio Lower Upper

168 100

99 60.6 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

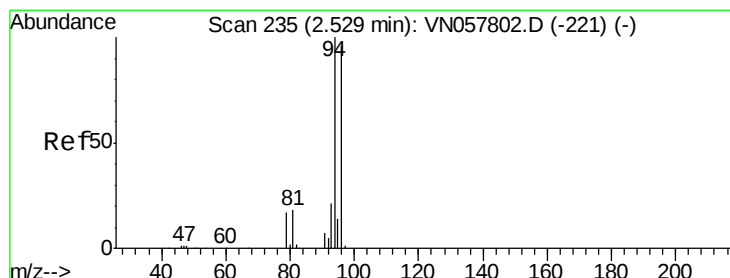
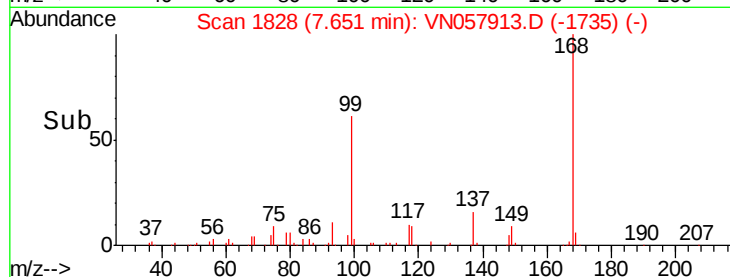
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 234

Delta R.T. -0.00 min

Lab File: VN057913.D

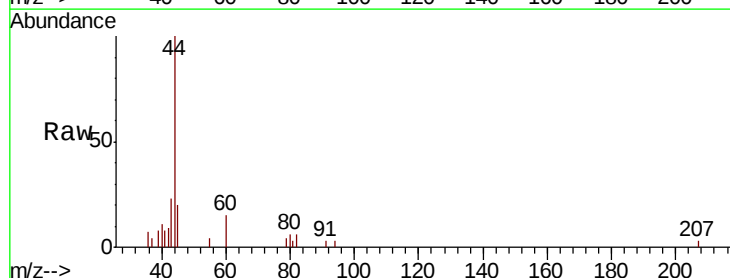
Acq: 11 Sep 2019 10:40

Tgt Ion: 94 Resp: 61

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.53

200

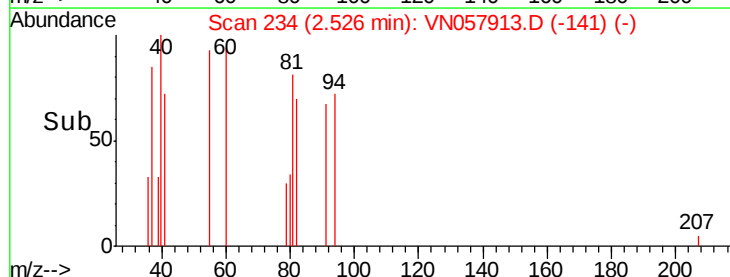
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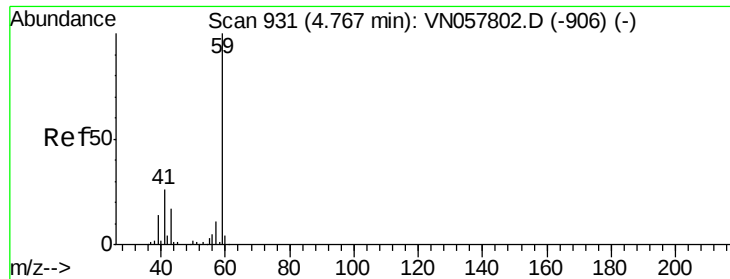
100

50

0

Time-->

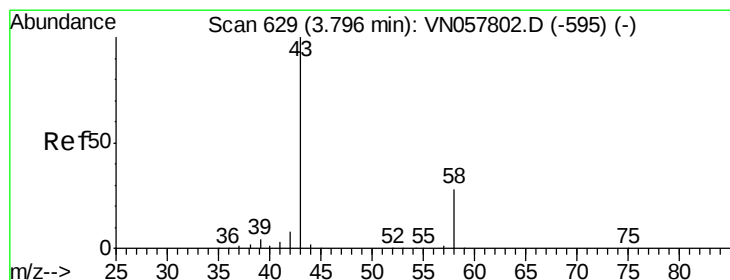
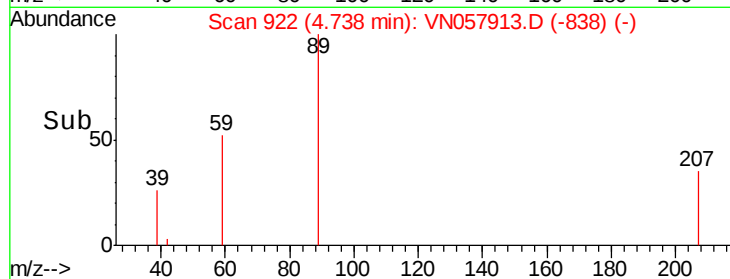
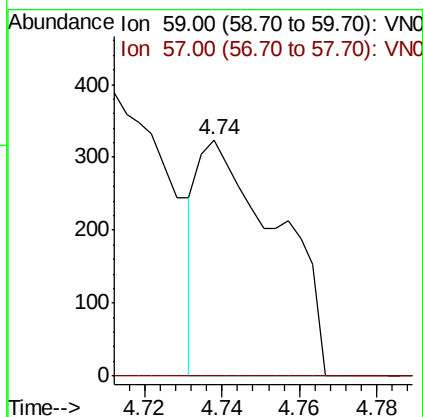
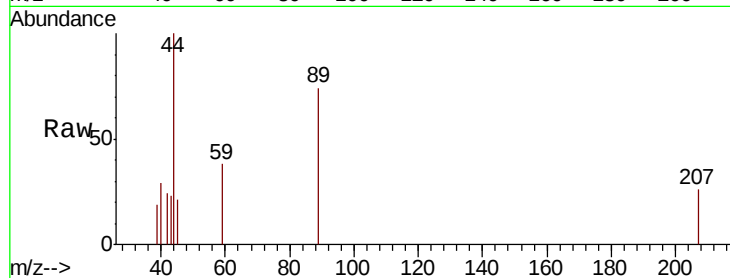




#11
Tert butyl alcohol
Concen: 0.614 ug/l
RT: 4.74 min Scan# 922
Delta R.T. -0.03 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

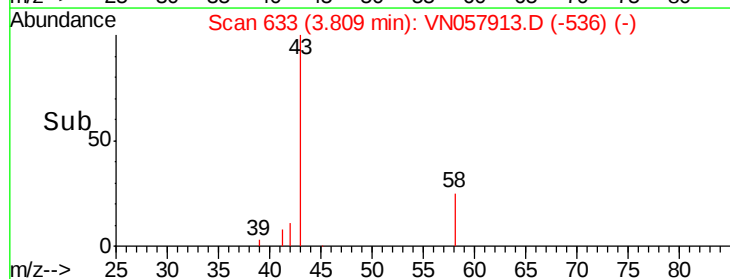
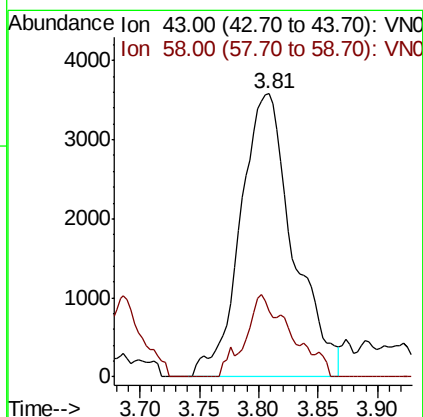
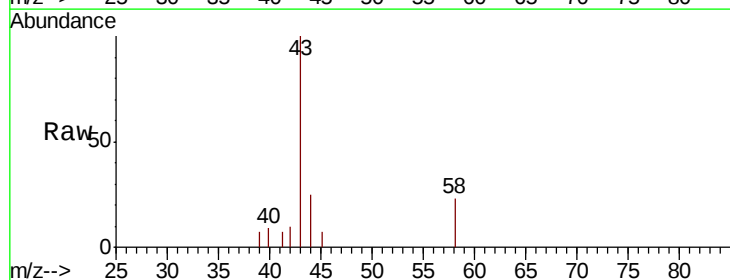
Instrument :
MSVOA_N
ClientSampled :
T11-C4-(0)

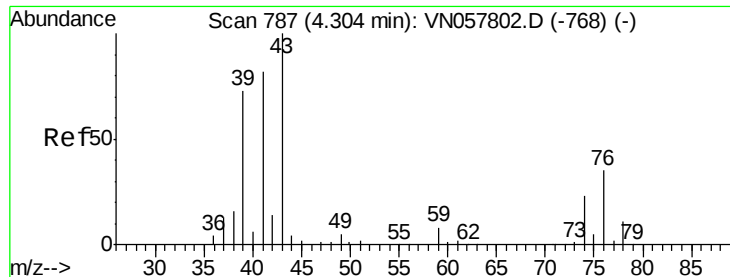
Tgt Ion: 59 Resp: 458
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 5.441 ug/l
RT: 3.81 min Scan# 633
Delta R.T. 0.01 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

Tgt Ion: 43 Resp: 10991
Ion Ratio Lower Upper
43 100
58 23.3 22.2 33.2

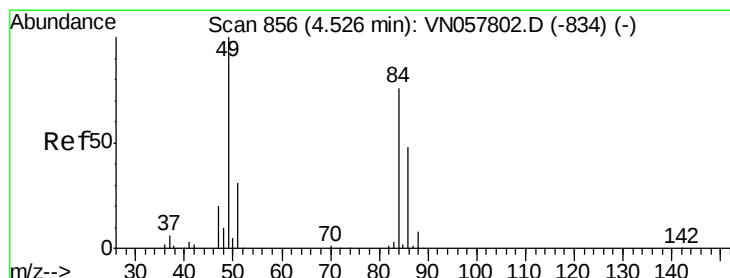
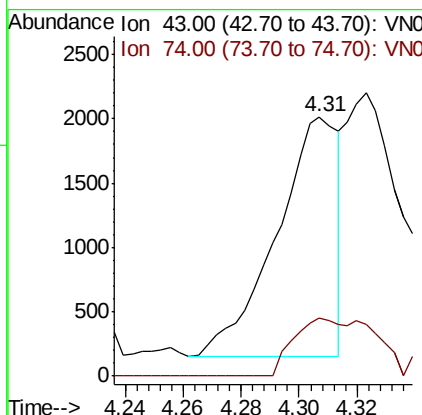
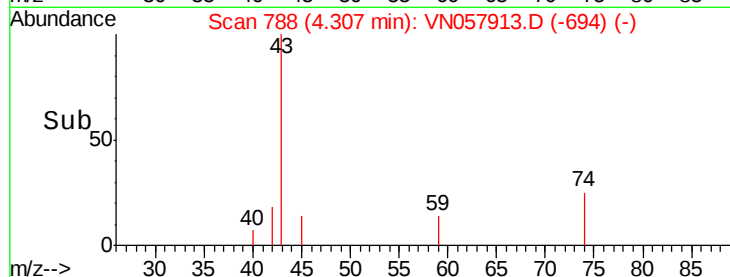
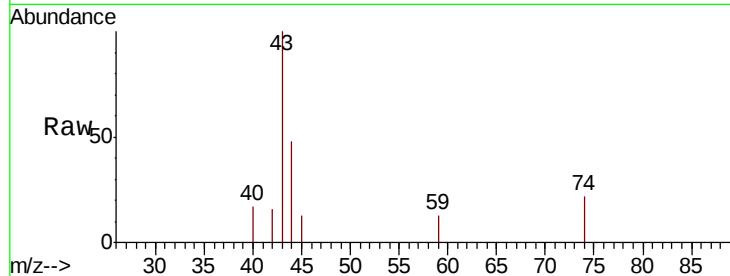




#18
Methyl Acetate
Concen: 0.512 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.00 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

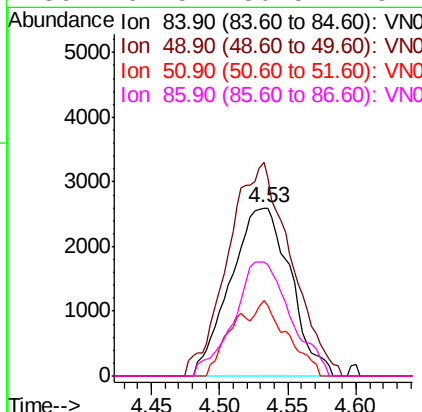
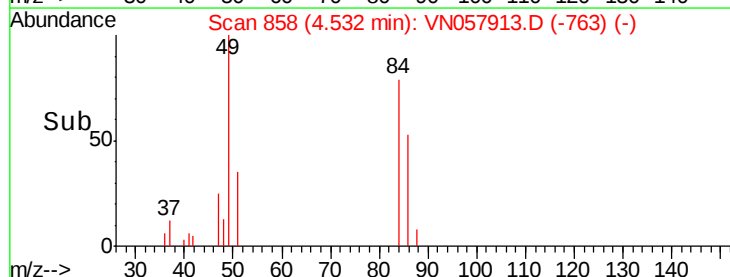
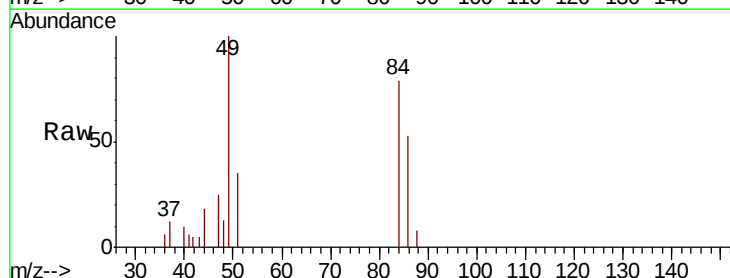
Instrument :
MSVOA_N
ClientSampleId :
T11-C4-(0)

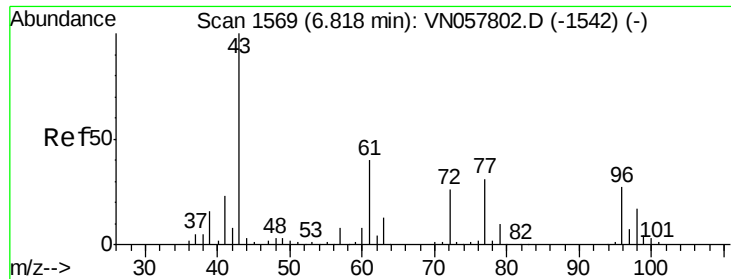
Tgt Ion: 43 Resp: 2758
Ion Ratio Lower Upper
43 100
74 20.3 17.9 26.9



#20
Methylene Chloride
Concen: 0.854 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

Tgt Ion: 84 Resp: 7938
Ion Ratio Lower Upper
84 100
49 121.3 104.8 157.2
51 45.1 33.0 49.4
86 67.5 50.5 75.7

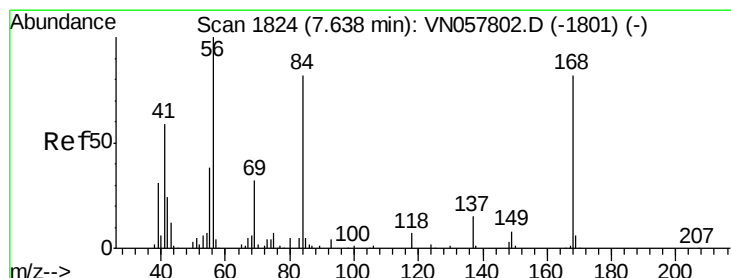
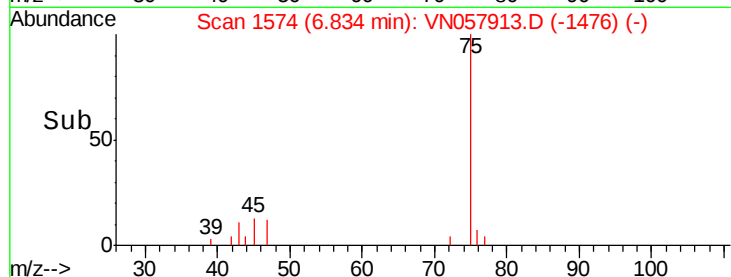
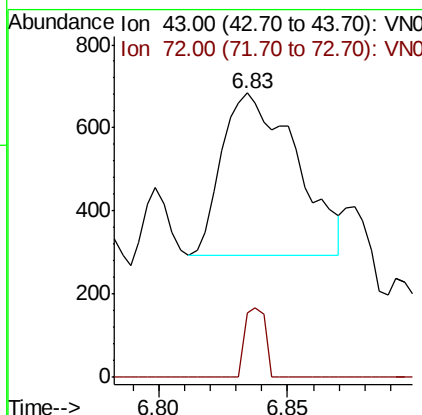
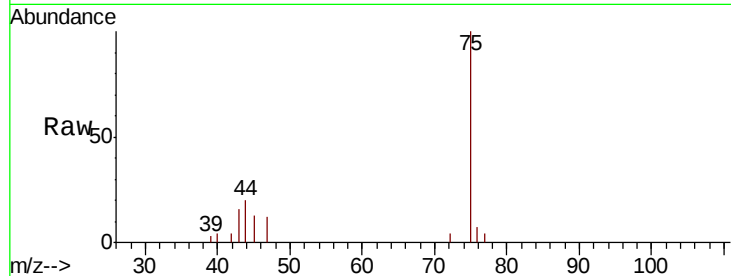




#25
2-Butanone
Concen: 0.269 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. 0.02 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

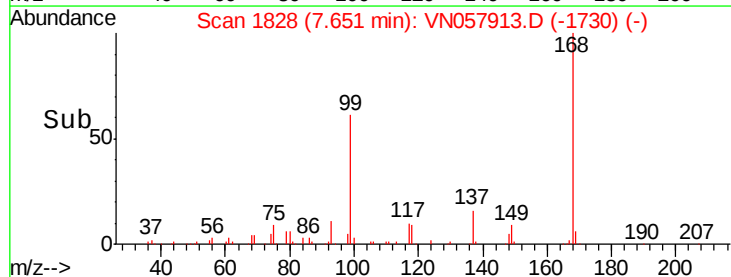
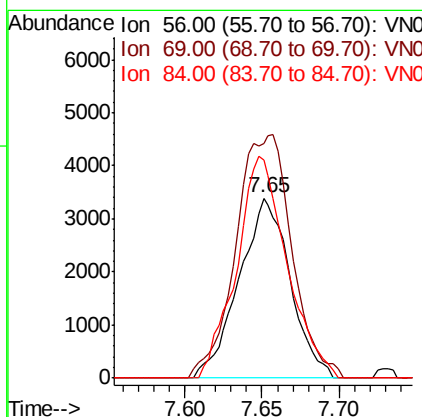
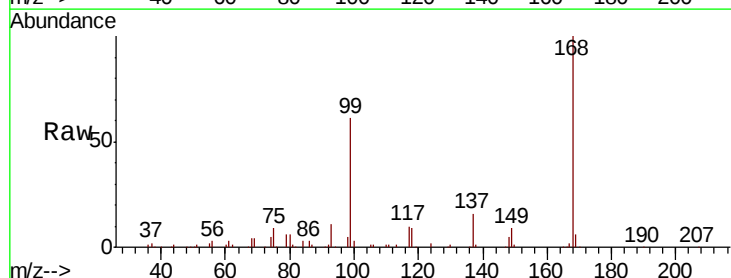
Instrument :
MSVOA_N
ClientSampleId :
T11-C4-(0)

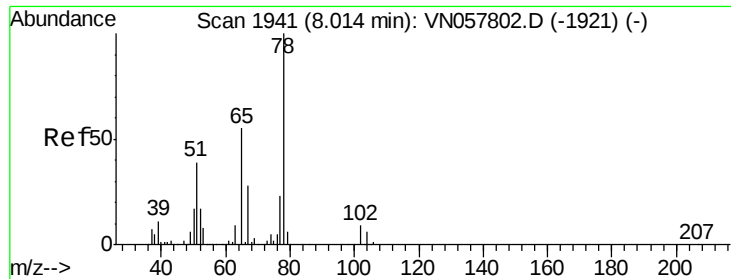
Tgt Ion: 43 Resp: 787
Ion Ratio Lower Upper
43 100
72 39.0 20.6 30.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

Tgt Ion: 56 Resp: 7785
Ion Ratio Lower Upper
56 100
69 130.0 25.9 38.9#
84 121.0 65.6 98.4#

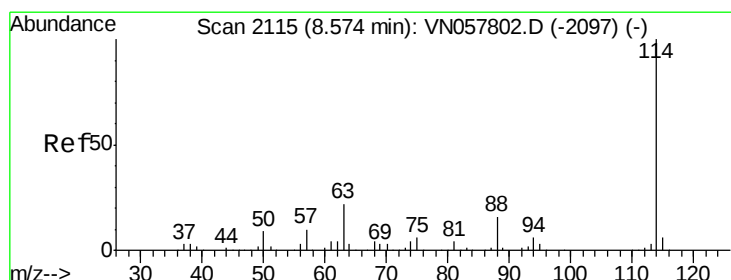
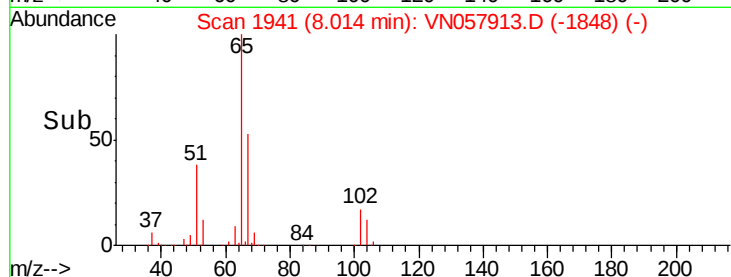
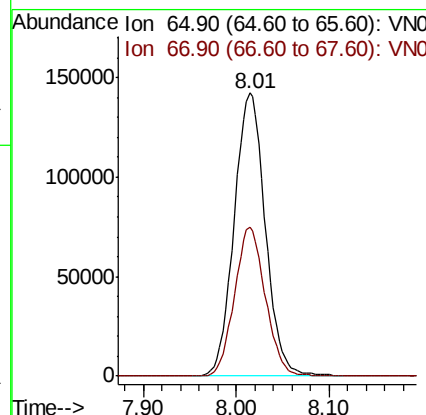
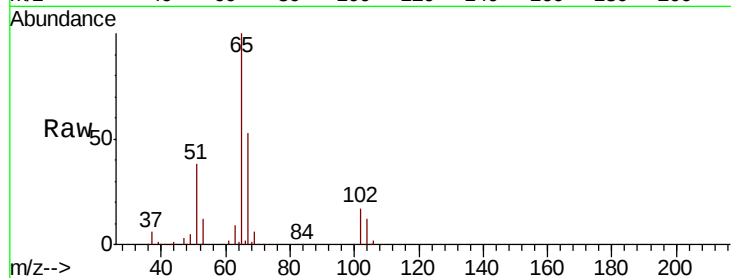




#33
 1,2-Dichloroethane-d4
 Concen: 53.734 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057913.D
 Acq: 11 Sep 2019 10:40

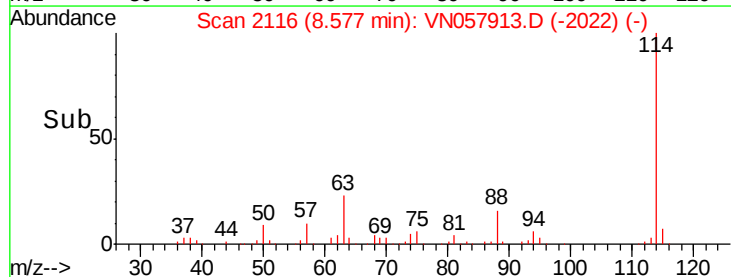
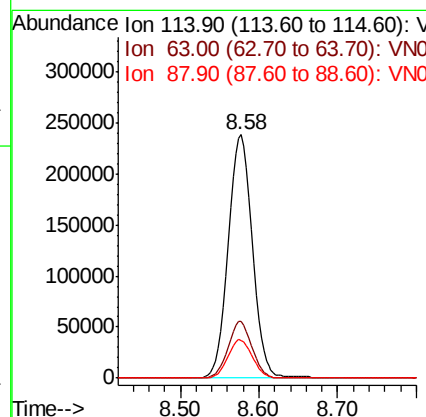
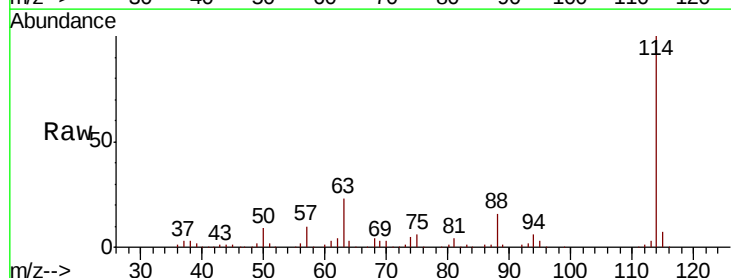
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-C4-(0)

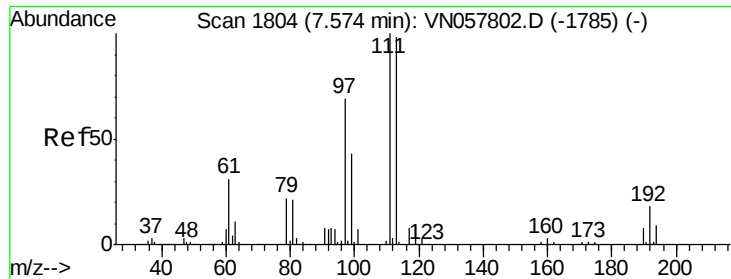
Tgt Ion: 65 Resp: 331113
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057913.D
 Acq: 11 Sep 2019 10:40

Tgt Ion: 114 Resp: 506394
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 44.0
 88 15.7 0.0 31.4

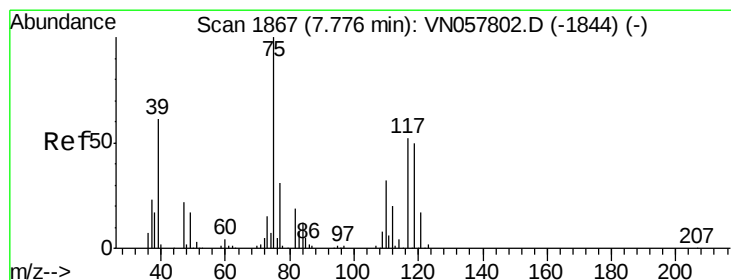
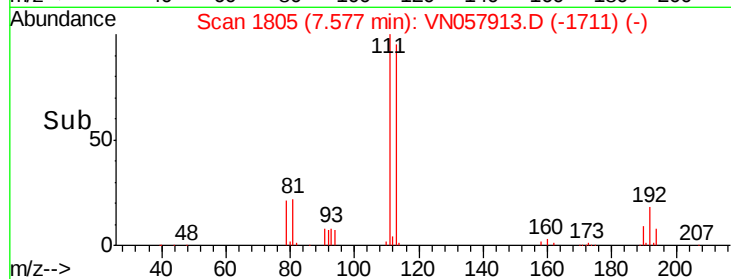
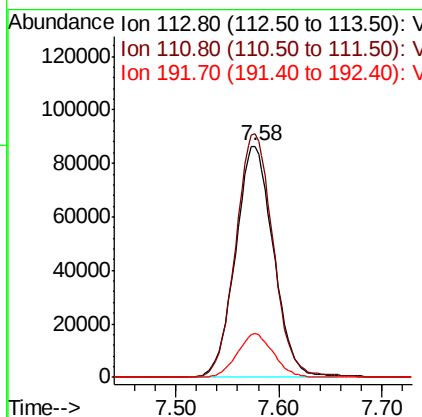
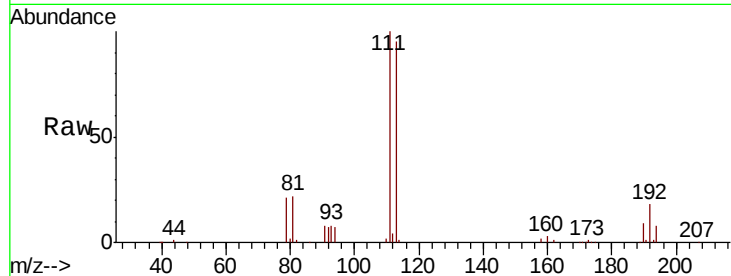




#35
 Dibromofluoromethane
 Concen: 47.305 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057913.D
 Acq: 11 Sep 2019 10:40

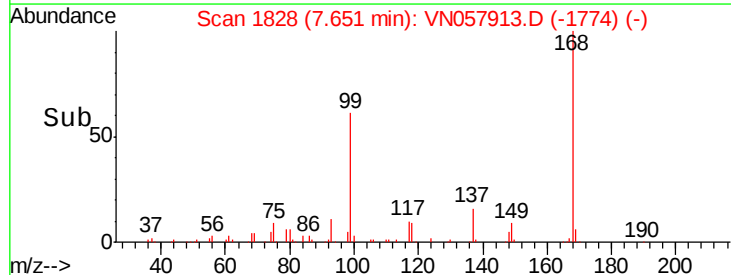
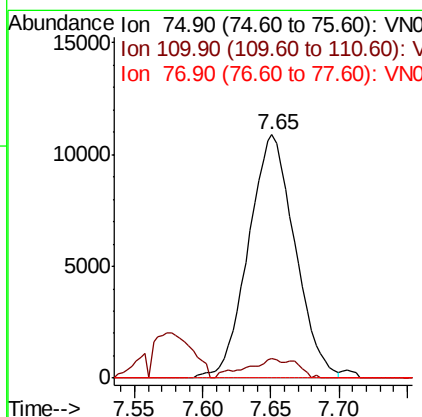
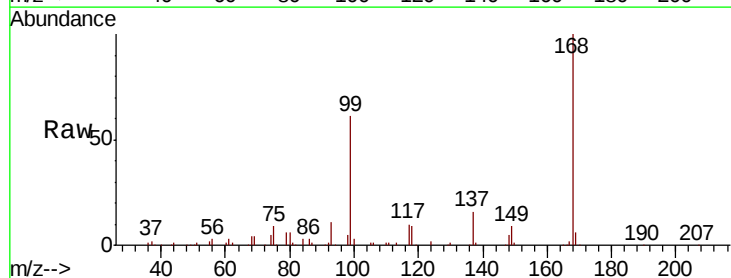
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 MSVOA_N
 ClientSampleId :
 T11-C4-(0)

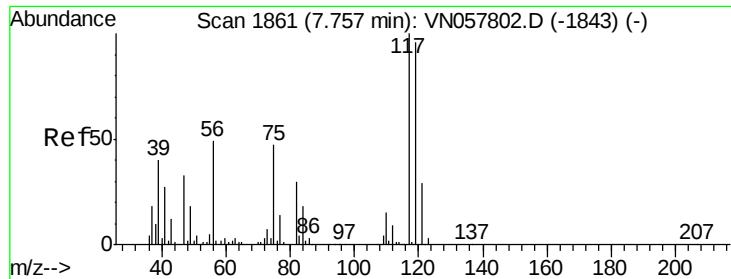
Tgt Ion	Ratio	Resp	Lower	Upper
113	100	221096		
111	104.4	81.3	121.9	
192	18.0	14.6	22.0	



#36
 1,1-Dichloropropene
 Concen: 4.387 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057913.D
 Acq: 11 Sep 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	25764		
110	6.5	16.3	48.9#	
77	0.0	25.0	37.4#	





#38

Carbon Tetrachloride

Concen: 5.796 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.10 min

Lab File: VN057913.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

T11-C4-(0)

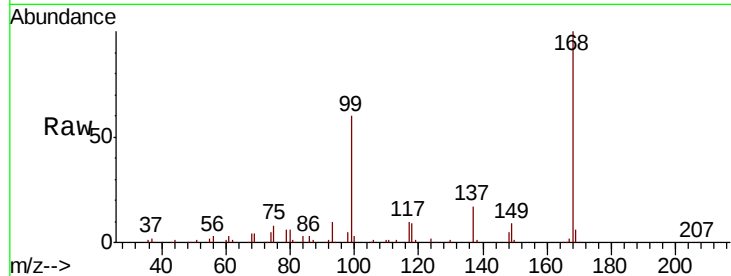
Tgt Ion:117 Resp: 31080

Ion Ratio Lower Upper

117 100

119 5.0 76.9 115.3#

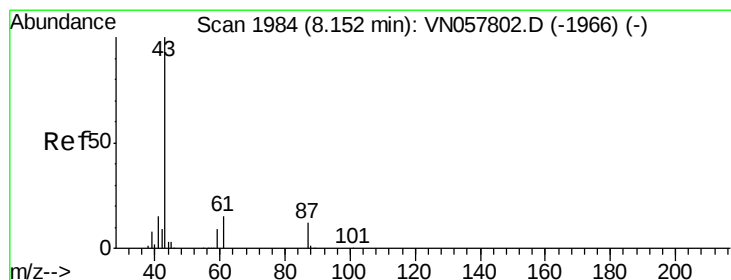
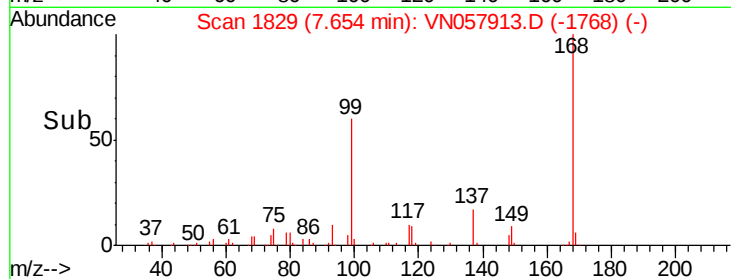
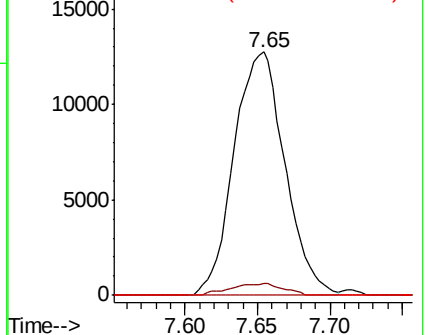
121 0.0 23.4 35.2#



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



#43

Isopropyl Acetate

Concen: 0.629 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057913.D

Acq: 11 Sep 2019 10:40

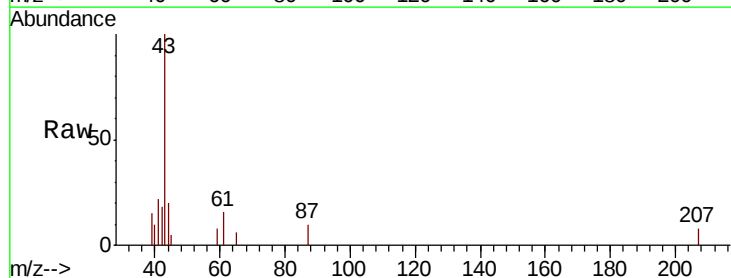
Tgt Ion: 43 Resp: 6417

Ion Ratio Lower Upper

43 100

61 10.3 20.1 30.1#

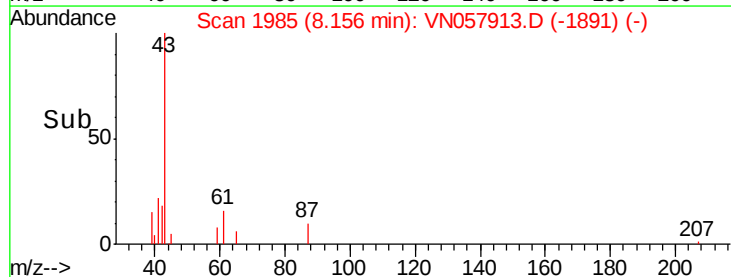
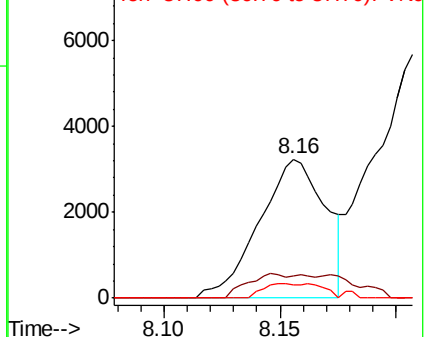
87 9.1 9.5 14.3#

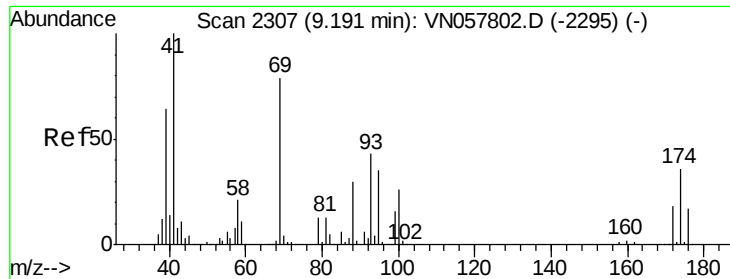


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

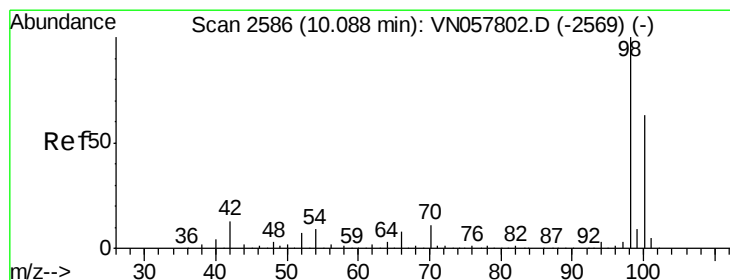
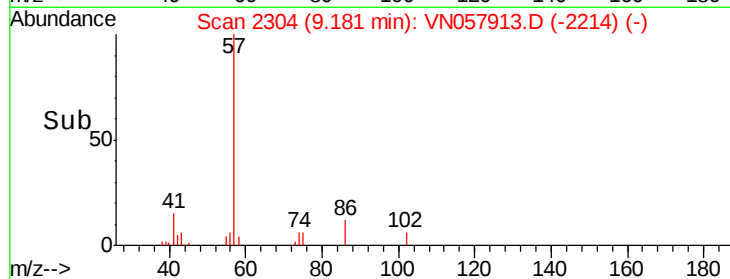
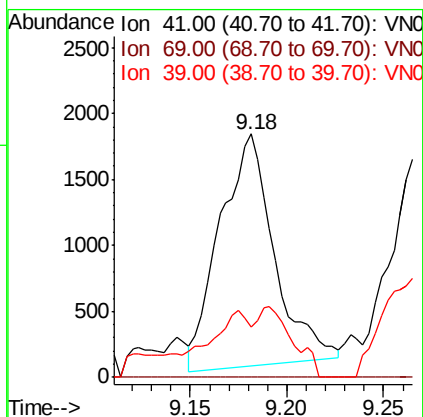
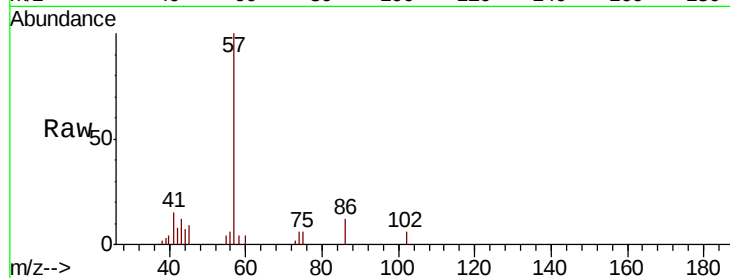




#48
Methyl methacrylate
Concen: 0.666 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.01 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

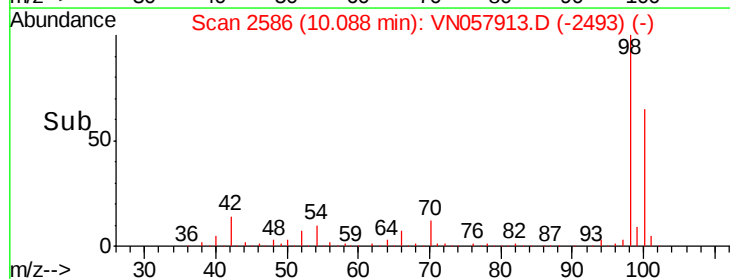
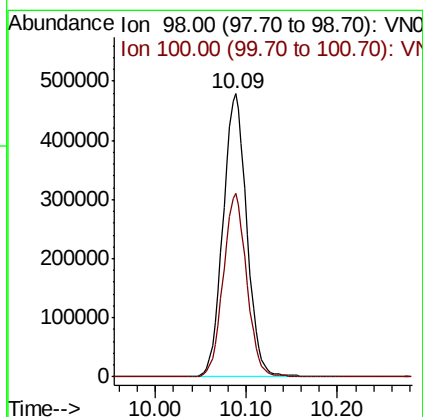
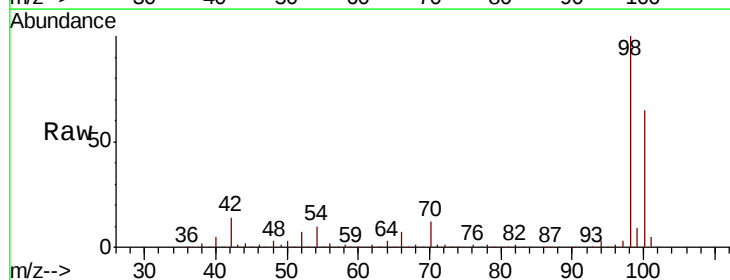
Instrument :
MSVOA_N
ClientSampleId :
T11-C4-(0)

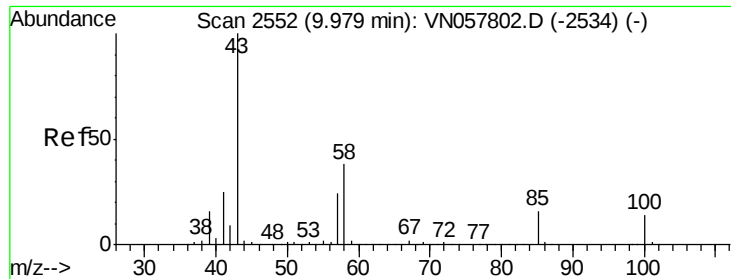
Tgt Ion: 41 Resp: 3446
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 18.2 52.7 79.1#



#50
Toluene-d8
Concen: 47.857 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

Tgt Ion: 98 Resp: 868428
Ion Ratio Lower Upper
98 100
100 64.0 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 0.873 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057913.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

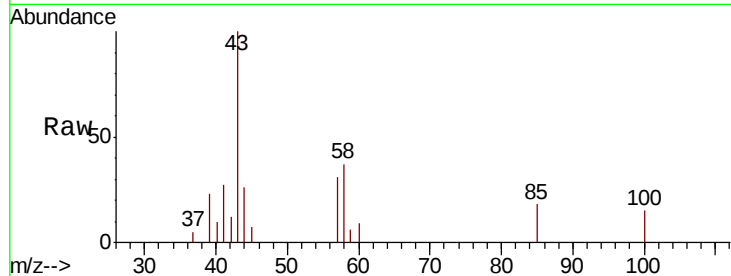
T11-C4-(0)

Tgt Ion: 43 Resp: 5273

Ion Ratio Lower Upper

43 100

58 40.2 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-2534) (-)

15000

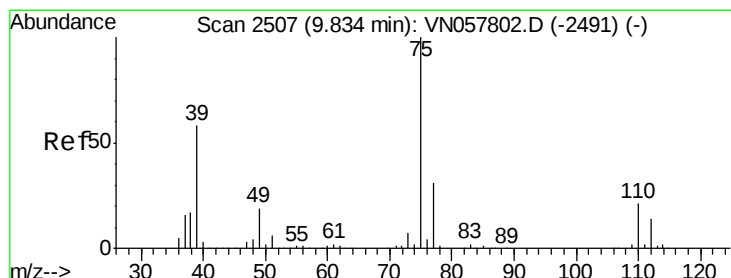
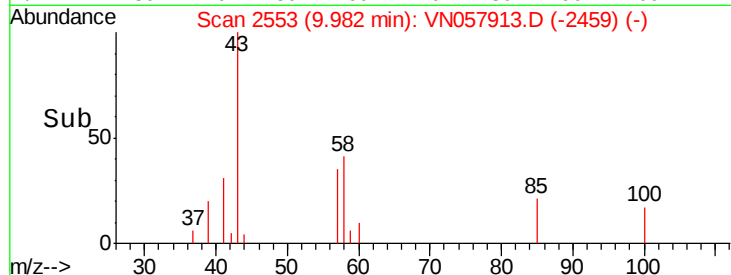
10000

5000

0

9.95 9.98 10.00 10.05

Time-->



#54

cis-1,3-Dichloropropene

Concen: 2.521 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057913.D

Acq: 11 Sep 2019 10:40

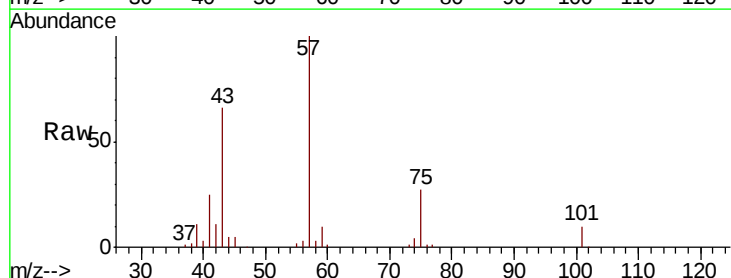
Tgt Ion: 75 Resp: 18194

Ion Ratio Lower Upper

75 100

77 1.8 24.8 37.2#

39 41.2 46.2 69.4#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-2491) (-)

Ion 76.90 (76.60 to 77.60): VN057802.D (-2491) (-)

Ion 39.00 (38.70 to 39.70): VN057802.D (-2491) (-)

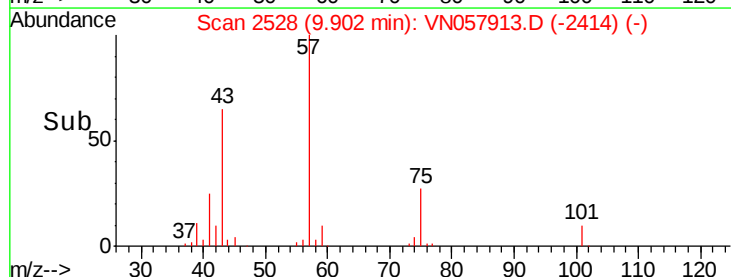
10000

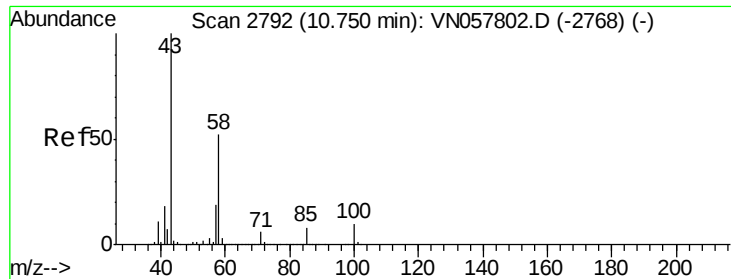
5000

0

9.85 9.90 9.95

Time-->

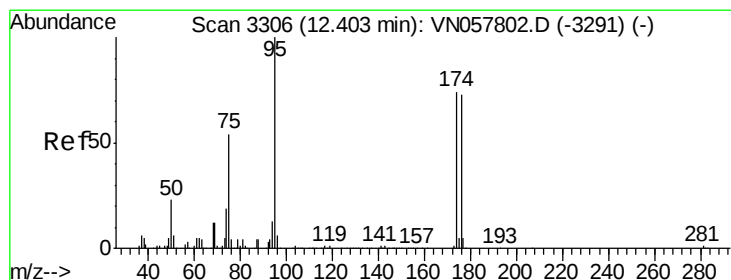
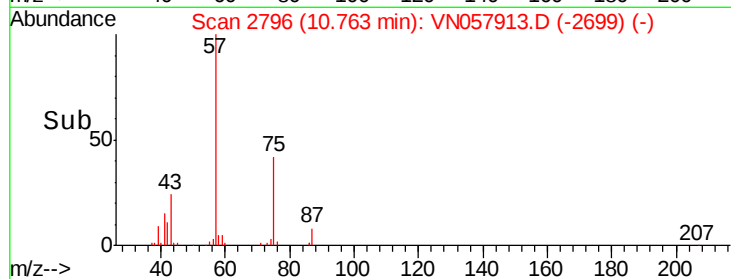
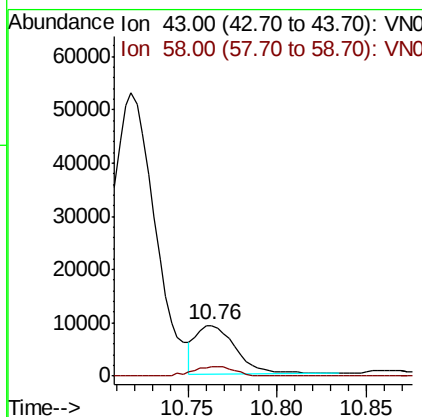
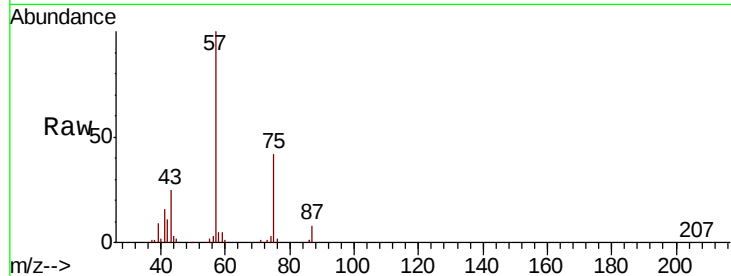




#59
 2-Hexanone
 Concen: 3.103 ug/l
 RT: 10.76 min Scan# 2796
 Delta R.T. 0.01 min
 Lab File: VN057913.D
 Acq: 11 Sep 2019 10:40

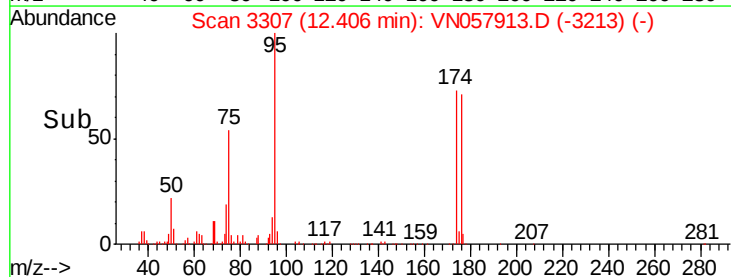
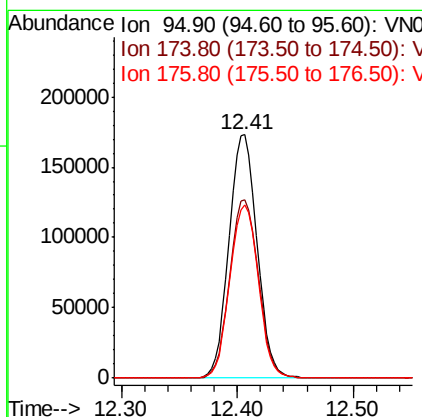
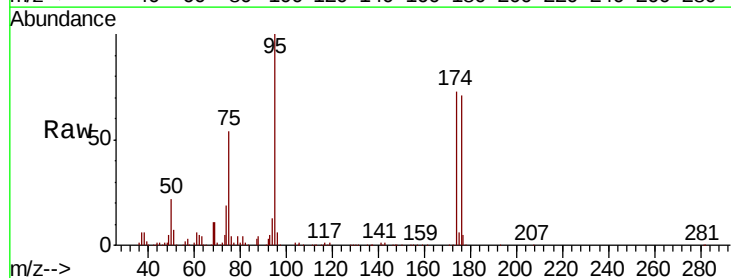
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-C4-(0)

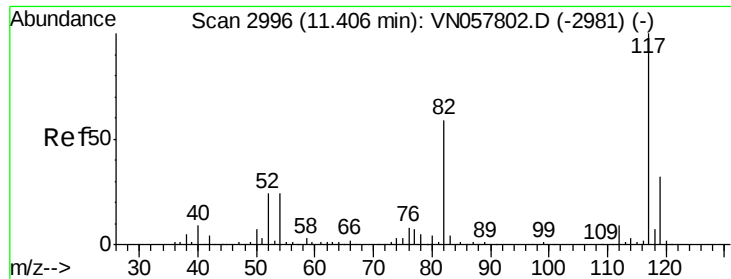
Tgt Ion: 43 Resp: 14045
 Ion Ratio Lower Upper
 43 100
 58 21.4 25.6 76.8#



#62
 4-Bromofluorobenzene
 Concen: 41.813 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN057913.D
 Acq: 11 Sep 2019 10:40

Tgt Ion: 95 Resp: 289152
 Ion Ratio Lower Upper
 95 100
 174 75.2 0.0 150.2
 176 72.3 0.0 146.0

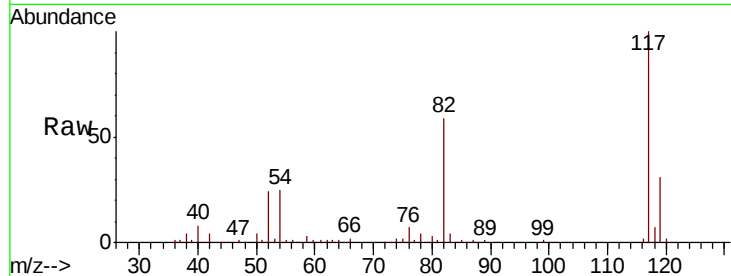




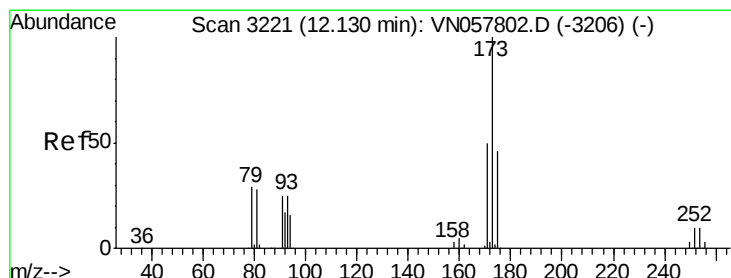
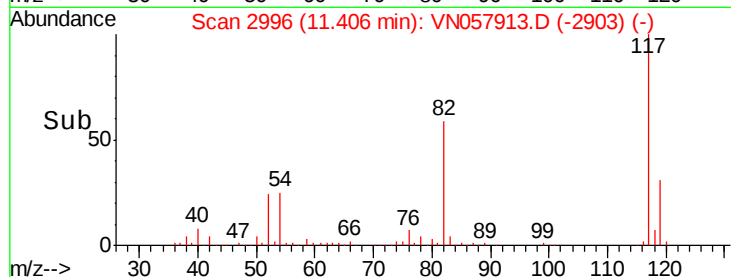
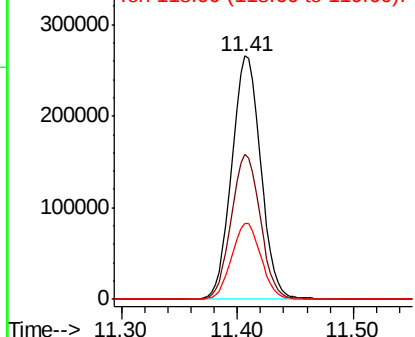
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

Instrument :
MSVOA_N
ClientSampleId :
T11-C4-(0)

Tgt Ion:117 Resp: 458802
Ion Ratio Lower Upper
117 100
82 59.4 47.2 70.8
119 31.4 25.3 37.9

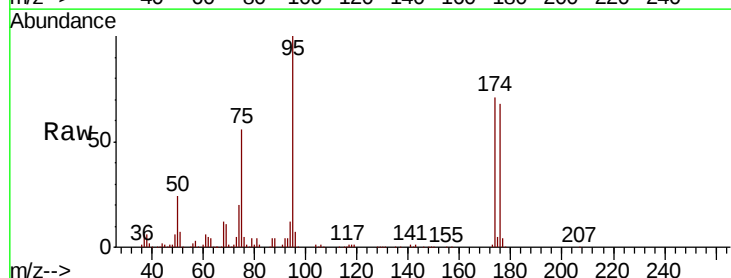


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

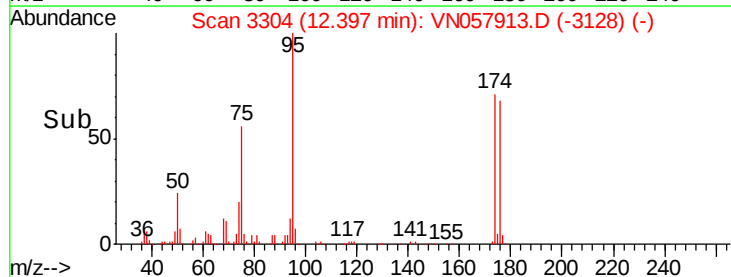
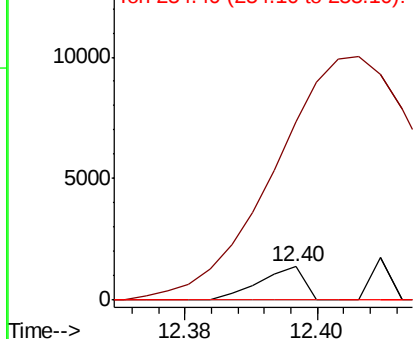


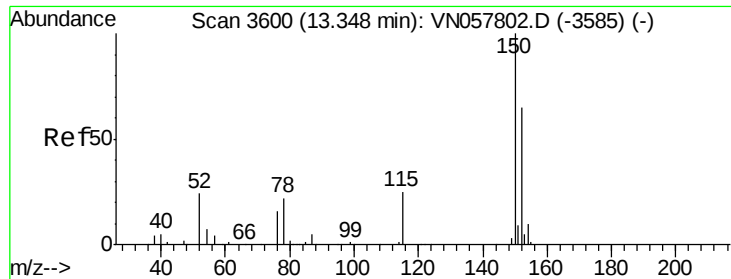
#71
Bromoform
Concen: 0.249 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN057913.D
Acq: 11 Sep 2019 10:40

Tgt Ion:173 Resp: 646
Ion Ratio Lower Upper
173 100
175 0.0 23.5 70.6#
254 0.0 0.1 0.1#



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057913.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

T11-C4-(0)

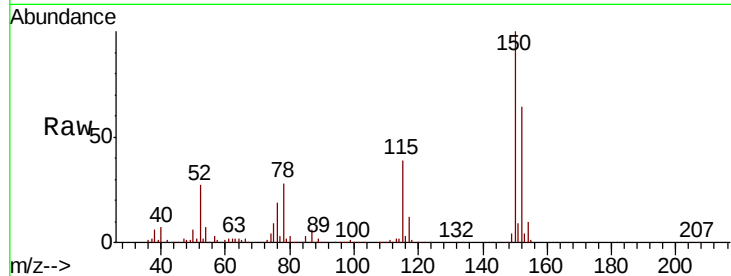
Tgt Ion:152 Resp: 240062

Ion Ratio Lower Upper

152 100

115 61.5 30.3 91.0

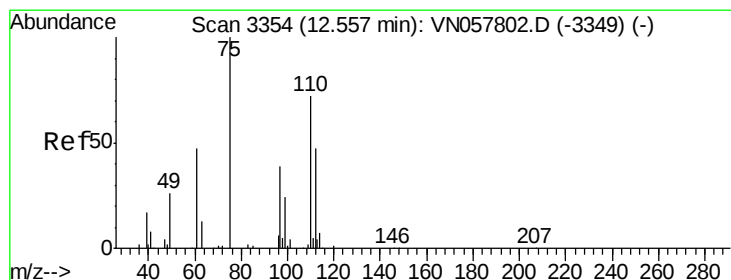
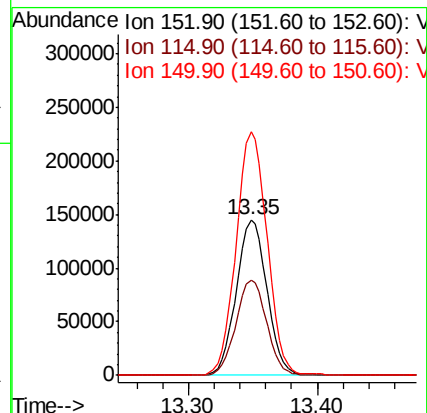
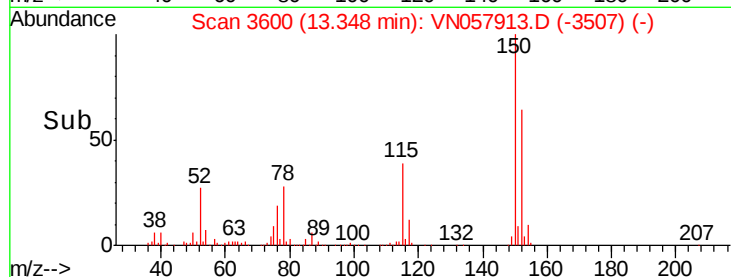
150 158.1 0.0 352.4



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



#76

1,2,3-Trichloropropane

Concen: 29.228 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057913.D

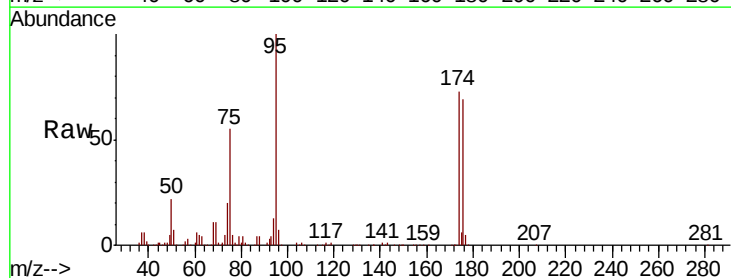
Acq: 11 Sep 2019 10:40

Tgt Ion: 75 Resp: 158725

Ion Ratio Lower Upper

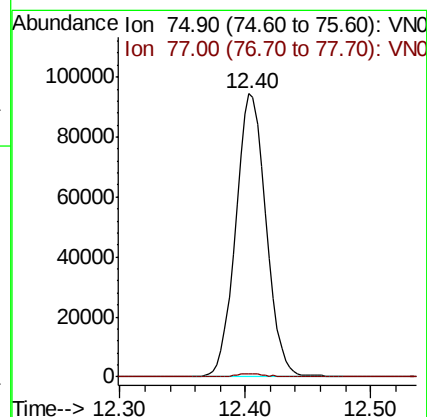
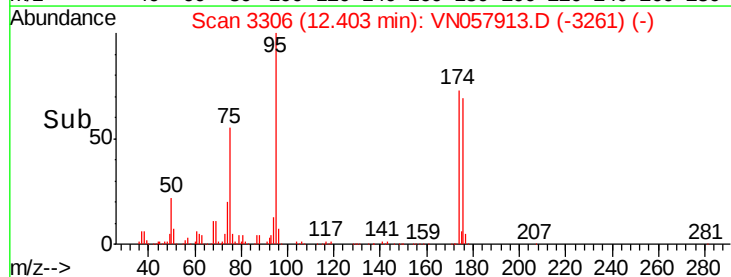
75 100

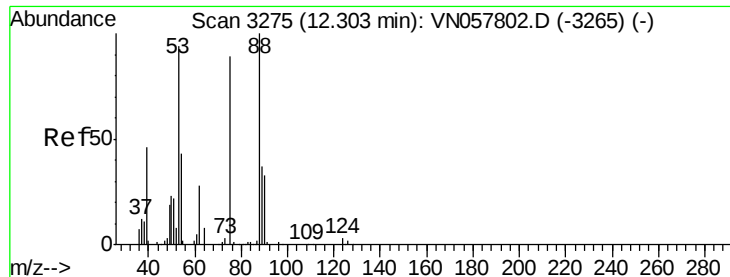
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 102.853 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057913.D

Acq: 11 Sep 2019 10:40

Instrument :

MSVOA_N

ClientSampleId :

T11-C4-(0)

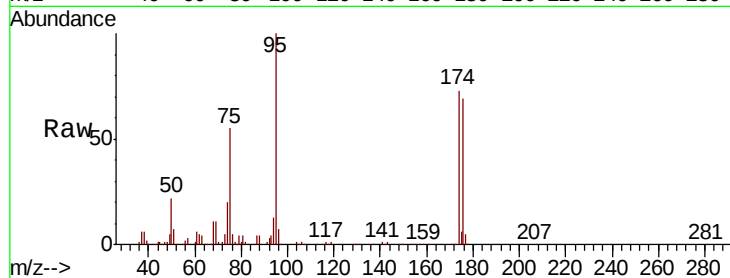
Tgt Ion: 75 Resp: 158725

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

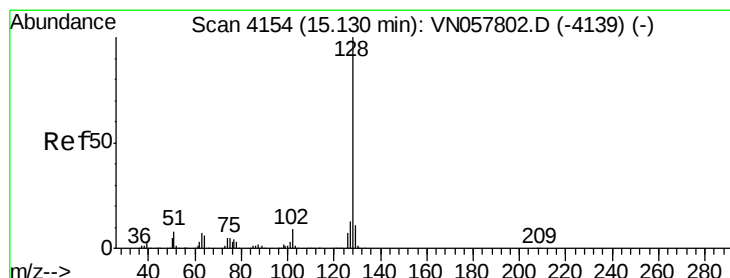
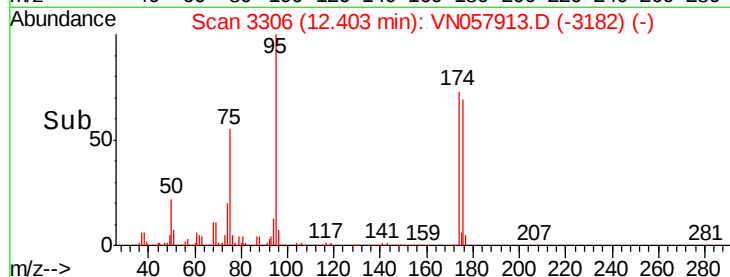
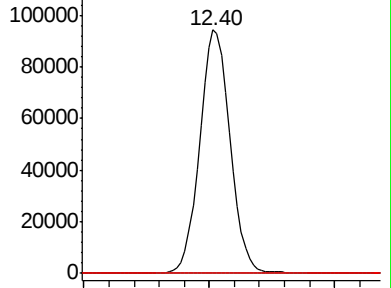
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057913.D (-3306) (-)

Ion 53.00 (52.70 to 53.70): VN057913.D (-3306) (-)

Ion 88.90 (88.60 to 89.60): VN057913.D (-3306) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN057913.D

Acq: 11 Sep 2019 10:40

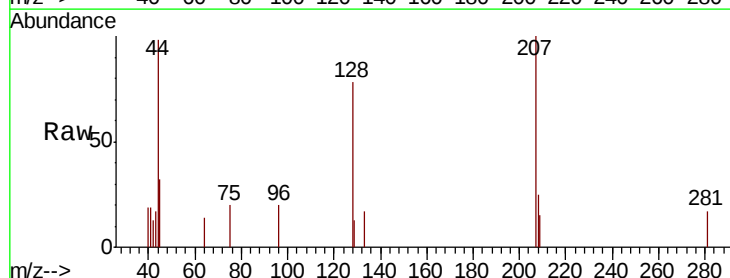
Tgt Ion: 128 Resp: 1829

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 5.9 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN057913.D (-4157) (-)

Ion 127.00 (126.70 to 127.70): VN057913.D (-4157) (-)

Ion 129.00 (128.70 to 129.70): VN057913.D (-4157) (-)

