

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057919.D
 Acq On : 11 Sep 2019 12:51
 Operator : JC/SP
 Sample : K4643-37
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 62 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-C3-(4)

Quant Time: Sep 12 01:32:55 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	283006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	485047	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	439369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	230754	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	325632	56.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.62%	
35) Dibromofluoromethane	7.58	113	221202	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.09	98	889270	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
62) 4-Bromofluorobenzene	12.40	95	292570	44.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.34%	

Target Compounds

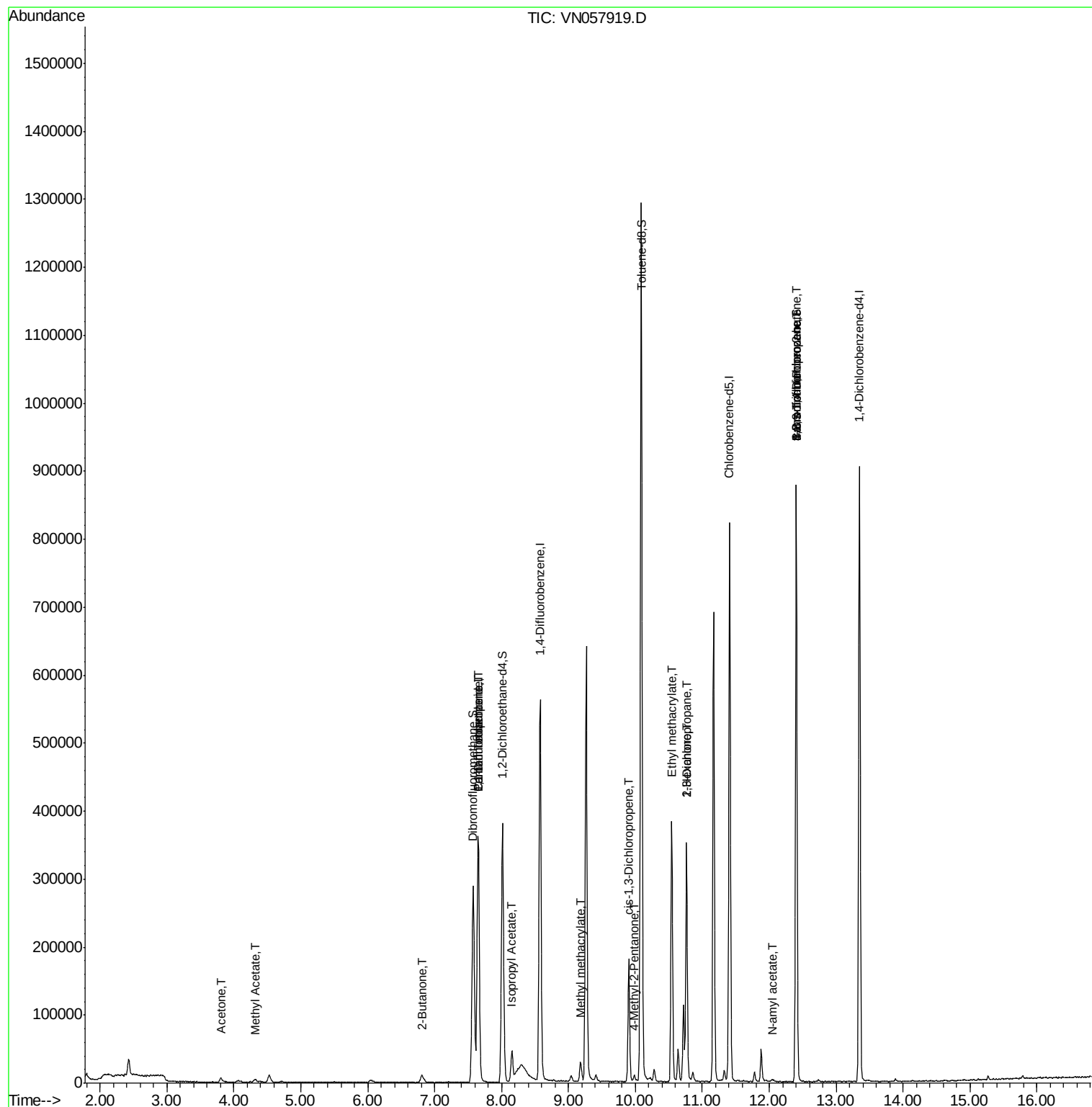
					Qvalue
5) Bromomethane	2.52	94	29	Below Cal	# 77
16) Acetone	3.81	43	10056	5.352 ug/l	# 81
18) Methyl Acetate	4.31	43	7900	1.577 ug/l	# 69
20) Methylene Chloride	4.53	84	4039	Below Cal	98
25) 2-Butanone	6.81	43	829	0.305 ug/l	# 49
31) Cyclohexane	7.65	56	7325	Below Cal	# 17
36) 1,1-Dichloropropene	7.65	75	24825	4.413 ug/l	# 51
38) Carbon Tetrachloride	7.65	117	29258	5.697 ug/l	# 16
43) Isopropyl Acetate	8.16	43	57778	5.912 ug/l	# 90
48) Methyl methacrylate	9.18	41	5511	1.112 ug/l	# 29
51) 4-Methyl-2-Pentanone	9.98	43	6366	1.101 ug/l	# 90
54) cis-1,3-Dichloropropene	9.90	75	29414	4.254 ug/l	# 70
56) Ethyl methacrylate	10.54	69	1395	0.205 ug/l	# 1
57) 1,3-Dichloropropane	10.77	76	3927	0.504 ug/l	# 43
59) 2-Hexanone	10.76	43	53975	12.450 ug/l	# 55
71) Bromoform	12.40	173	1309	0.526 ug/l	# 1
74) N-amyl acetate	12.05	43	2623	0.337 ug/l	# 46
76) 1,2,3-Trichloropropane	12.40	75	163875	31.393 ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	163875	110.474 ug/l	# 6
95) Naphthalene	15.14	128	676	Below Cal	# 69

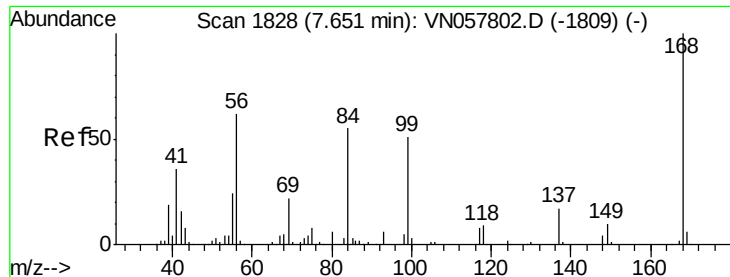
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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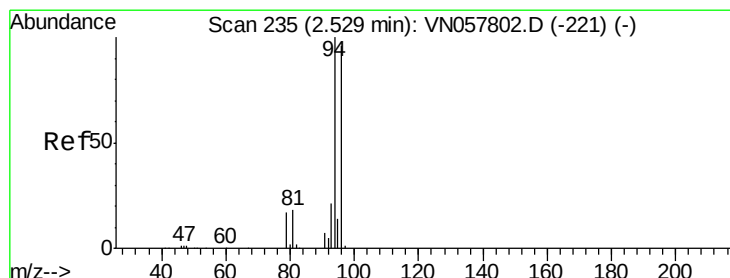
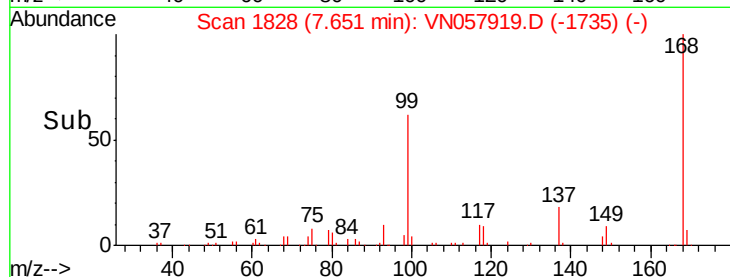
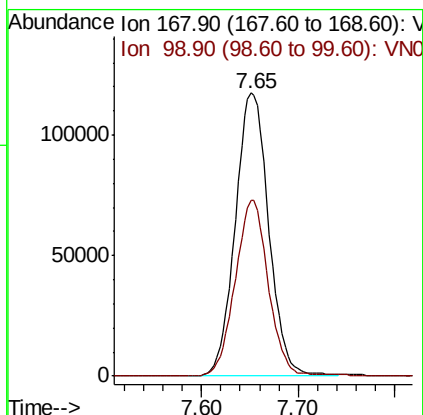
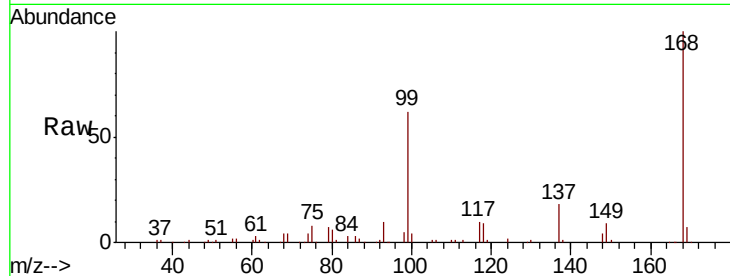




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

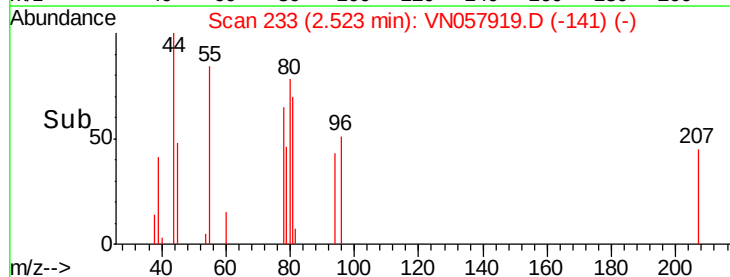
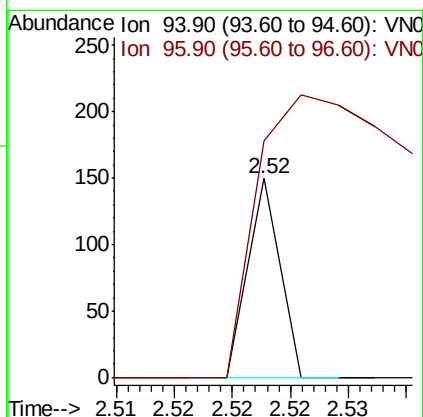
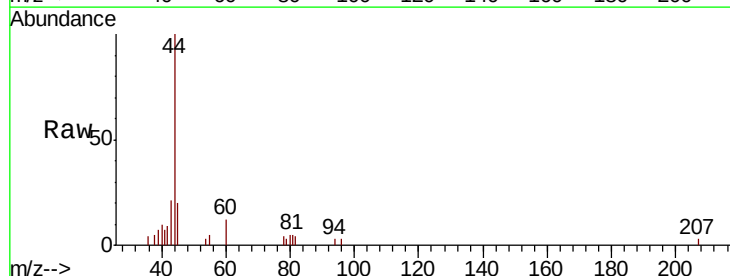
Instrument :
MSVOA_N
ClientSampleId :
T11-C3-(4)

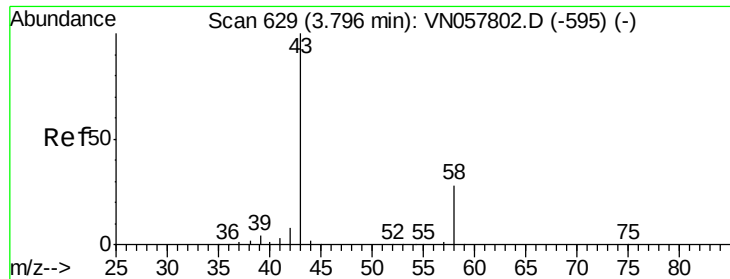
Tgt Ion: 168 Resp: 283006
Ion Ratio Lower Upper
168 100
99 62.0 48.0 72.0



#5
Bromomethane
Concen: Below Cal
RT: 2.52 min Scan# 233
Delta R.T. -0.01 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

Tgt Ion: 94 Resp: 29
Ion Ratio Lower Upper
94 100
96 118.7 77.0 115.4#

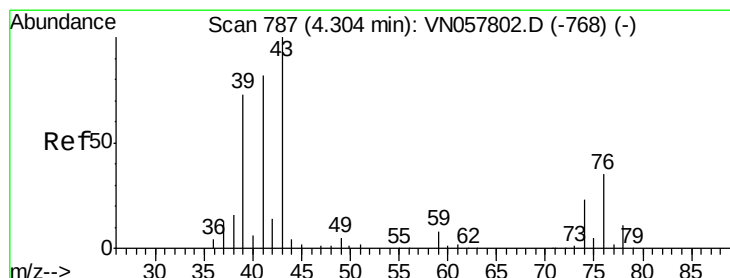
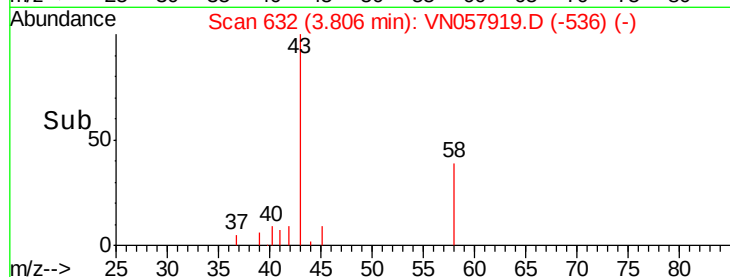
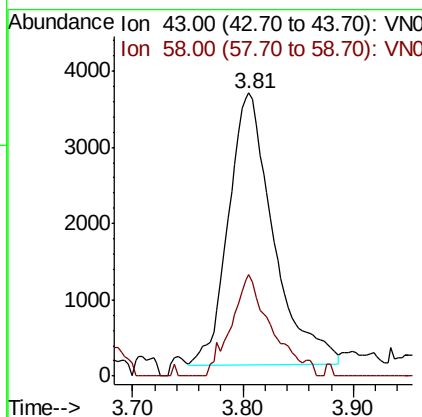
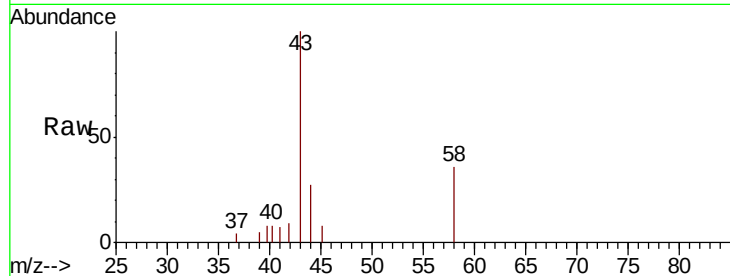




#16
Acetone
Concen: 5.352 ug/l
RT: 3.81 min Scan# 632
Delta R.T. 0.01 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

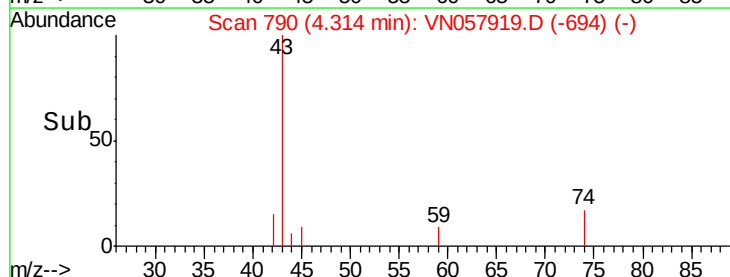
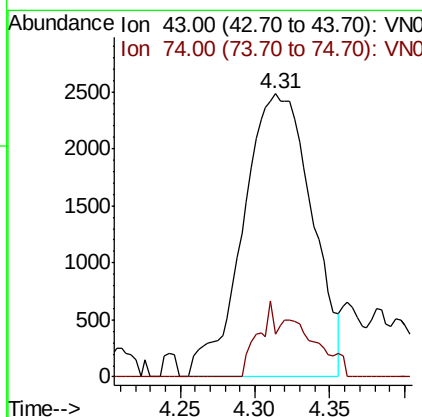
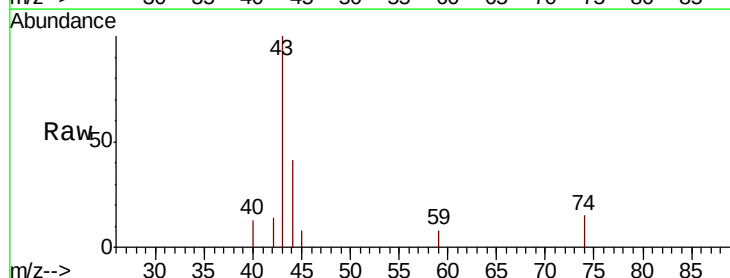
Instrument :
MSVOA_N
ClientSampleId :
T11-C3-(4)

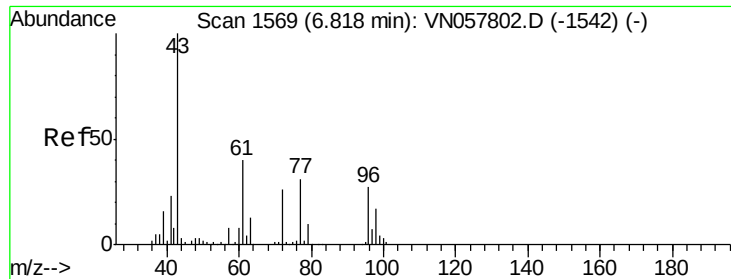
Tgt Ion: 43 Resp: 10056
Ion Ratio Lower Upper
43 100
58 37.5 22.2 33.2#



#18
Methyl Acetate
Concen: 1.577 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

Tgt Ion: 43 Resp: 7900
Ion Ratio Lower Upper
43 100
74 7.6 17.9 26.9#

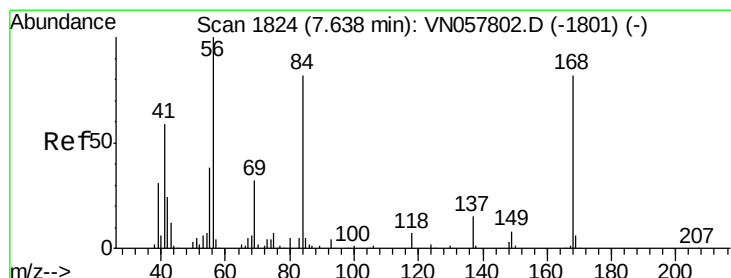
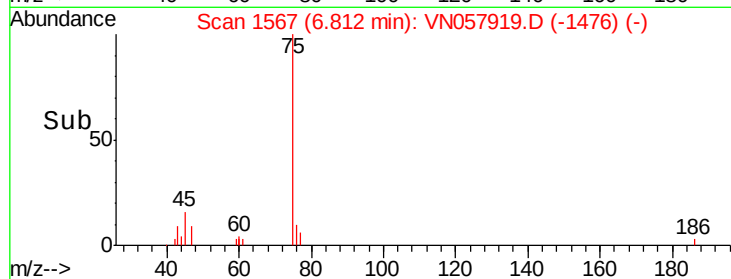
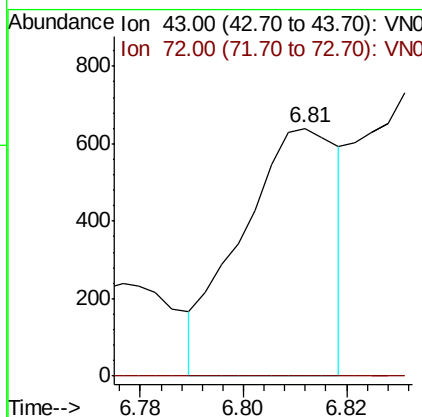
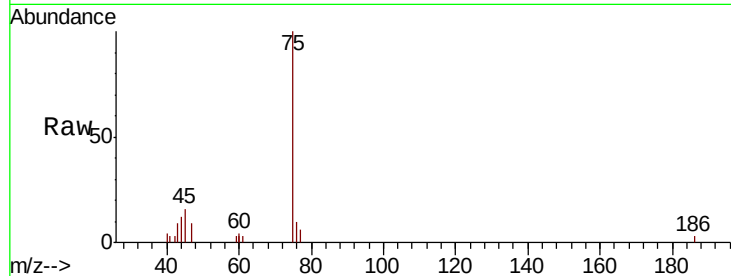




#25
2-Butanone
Concen: 0.305 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

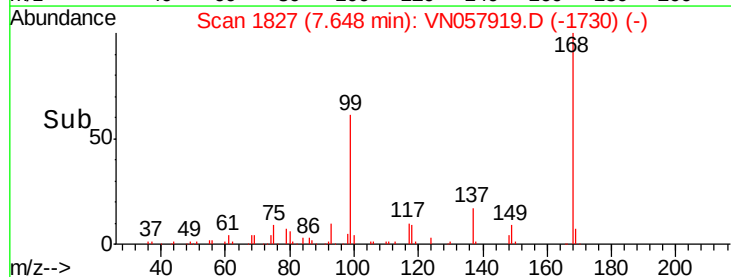
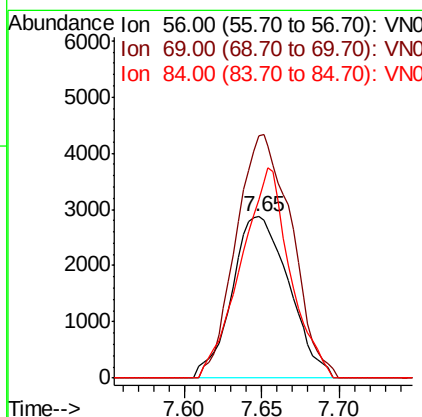
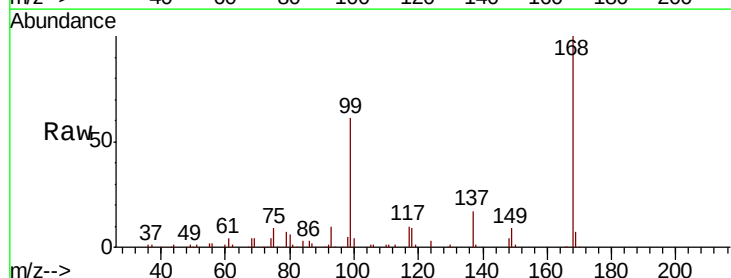
Instrument :
MSVOA_N
ClientSampleId :
T11-C3-(4)

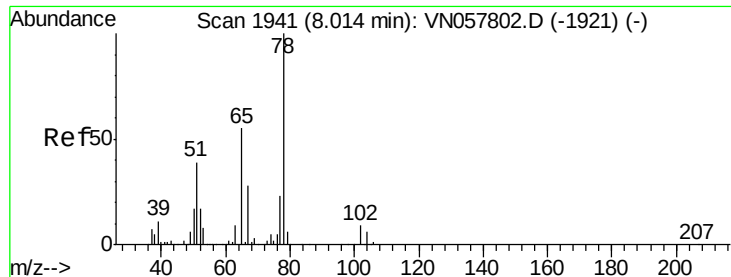
Tgt Ion: 43 Resp: 829
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#



#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

Tgt Ion: 56 Resp: 7325
Ion Ratio Lower Upper
56 100
69 150.5 25.9 38.9#
84 111.0 65.6 98.4#

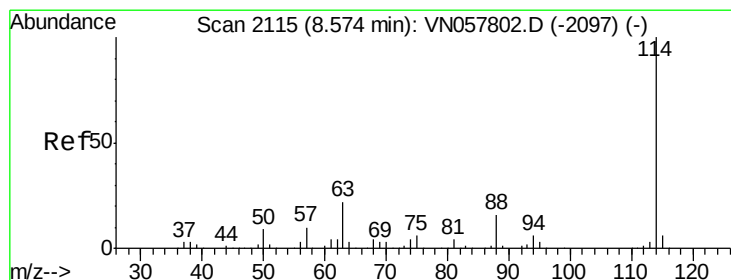
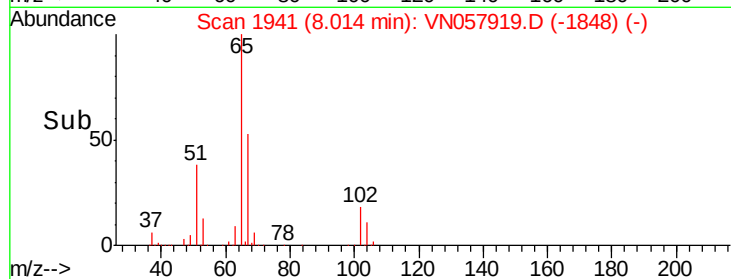
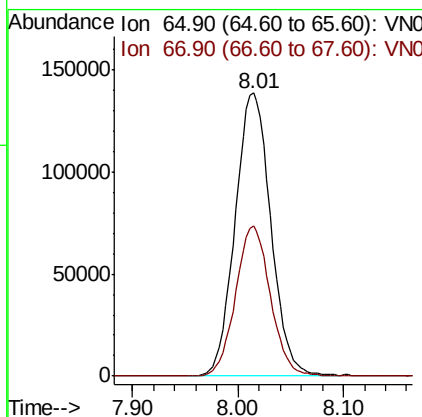
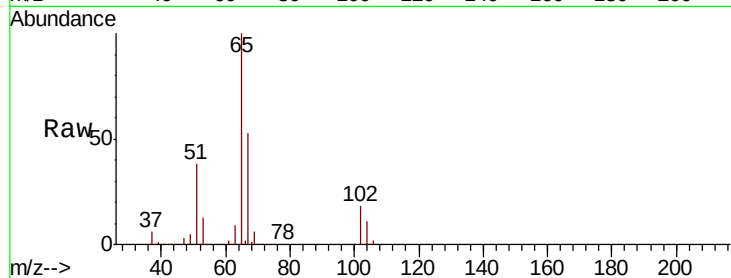




#33
 1,2-Dichloroethane-d4
 Concen: 56.809 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057919.D
 Acq: 11 Sep 2019 12:51

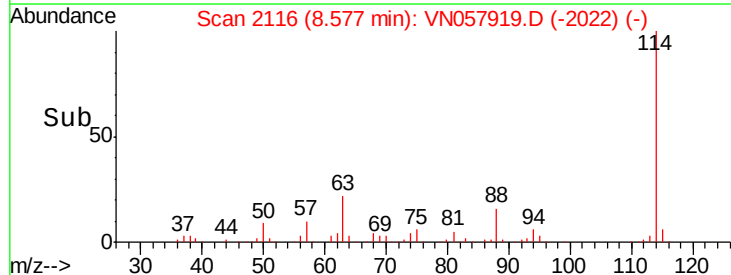
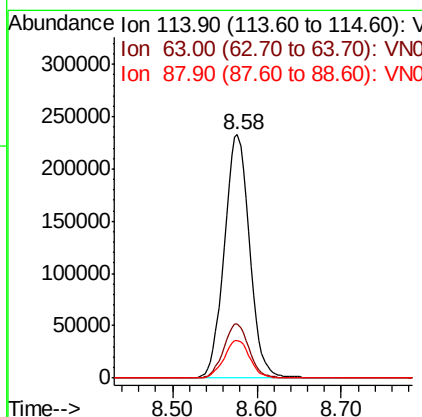
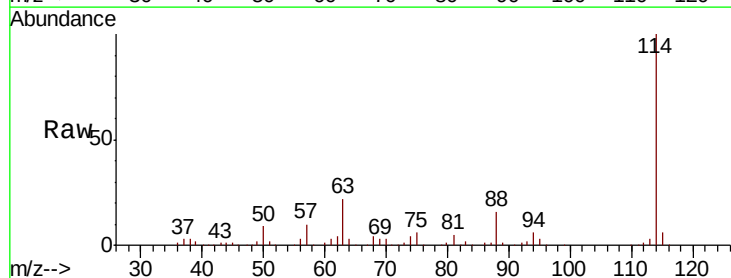
Instrument :
 MSVOA_N
 ClientSampleId :
 T11-C3-(4)

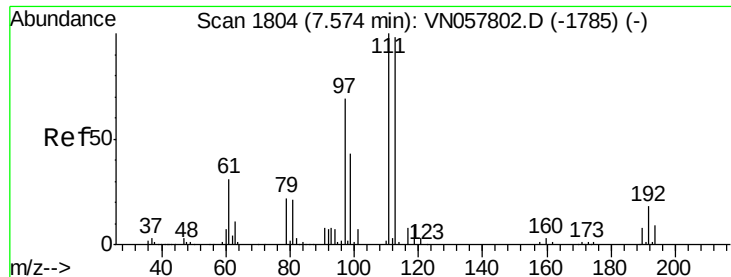
Tgt Ion: 65 Resp: 325632
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057919.D
 Acq: 11 Sep 2019 12:51

Tgt Ion: 114 Resp: 485047
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 44.0
 88 15.5 0.0 31.4

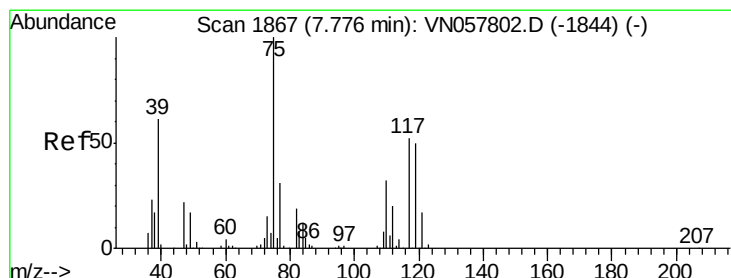
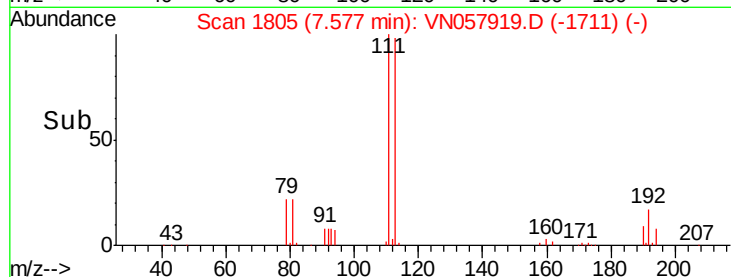
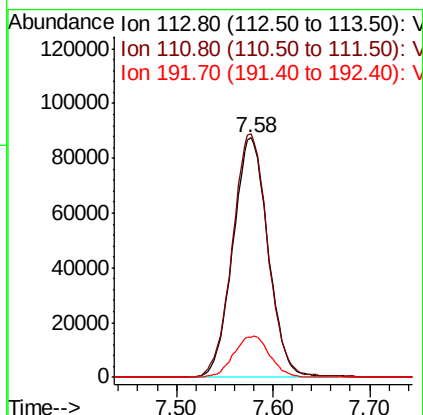
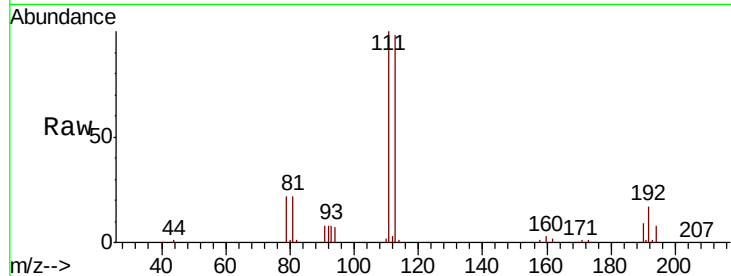




#35
 Dibromofluoromethane
 Concen: 49.411 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057919.D
 Acq: 11 Sep 2019 12:51

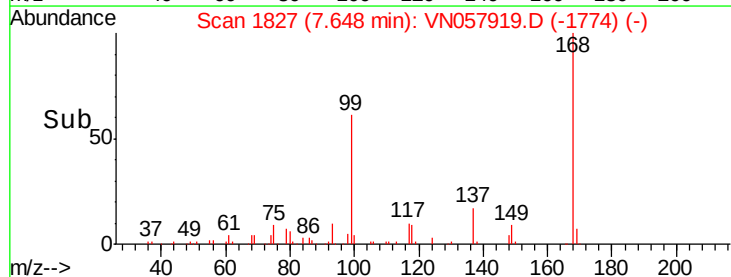
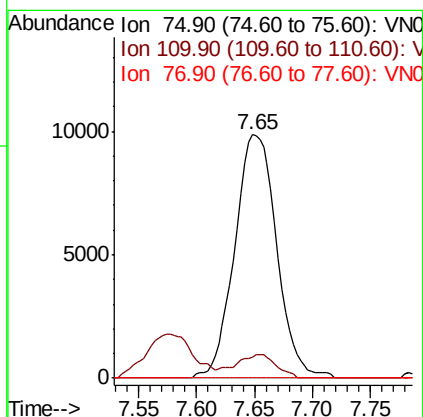
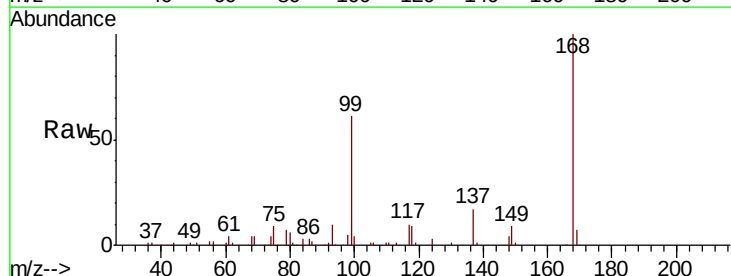
Instrument :
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 ClientSampleId :
 T11-C3-(4)

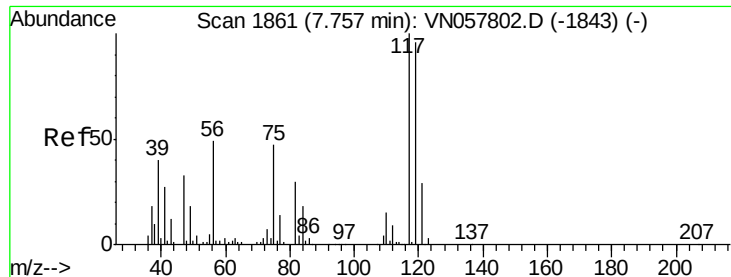
Tgt Ion: 113 Resp: 221202
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.3 121.9
 192 17.7 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.413 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN057919.D
 Acq: 11 Sep 2019 12:51

Tgt Ion: 75 Resp: 24825
 Ion Ratio Lower Upper
 75 100
 110 9.3 16.3 48.9#
 77 0.0 25.0 37.4#

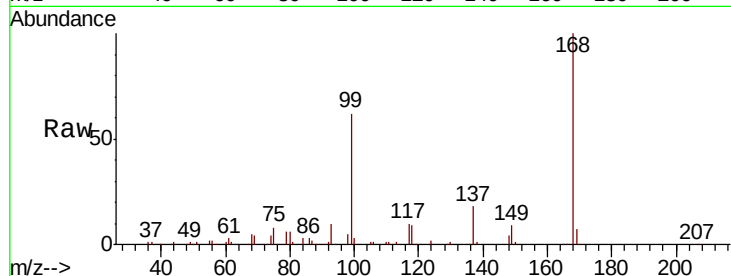




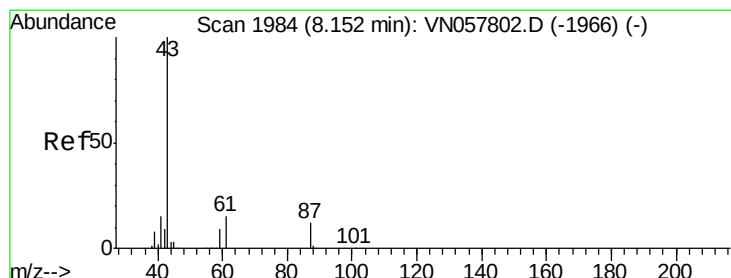
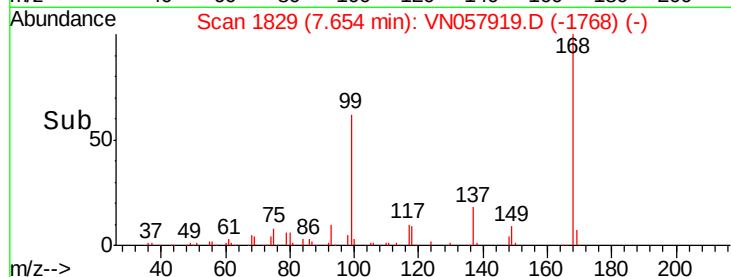
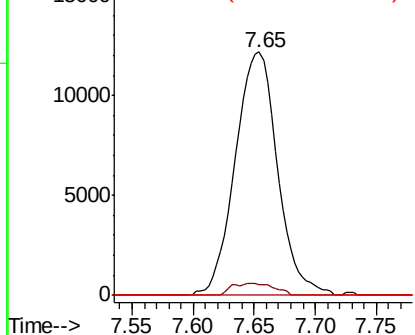
#38
 Carbon Tetrachloride
 Concen: 5.697 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.10 min
 Lab File: VN057919.D
 Acq: 11 Sep 2019 12:51

Instrument :
 MSVOA_N
 ClientSampled :
 T11-C3-(4)

Tgt Ion: 117 Resp: 29258
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.9 115.3#
 121 0.0 23.4 35.2#

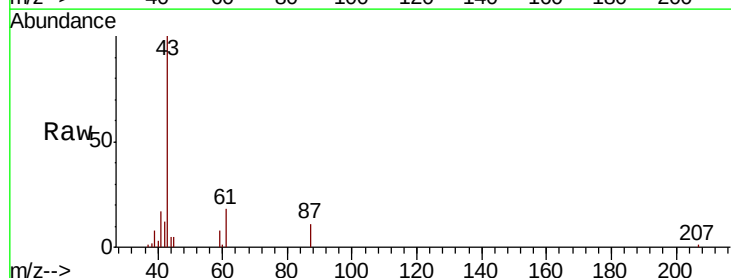


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

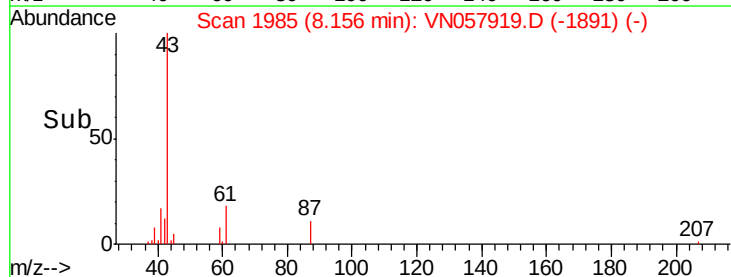
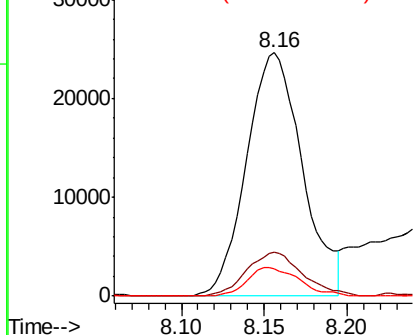


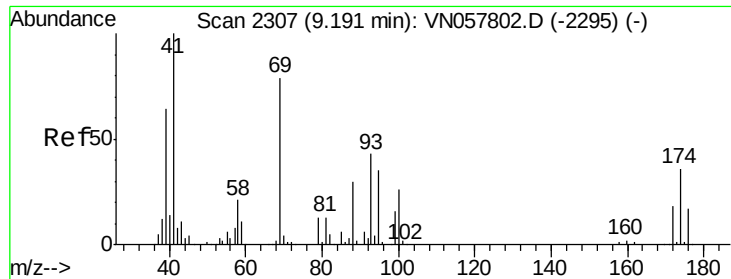
#43
 Isopropyl Acetate
 Concen: 5.912 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VN057919.D
 Acq: 11 Sep 2019 12:51

Tgt Ion: 43 Resp: 57778
 Ion Ratio Lower Upper
 43 100
 61 18.2 20.1 30.1#
 87 10.9 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0

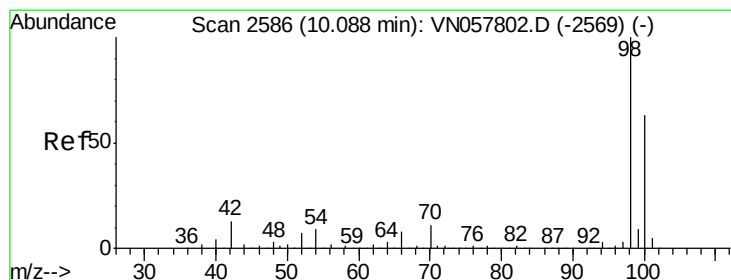
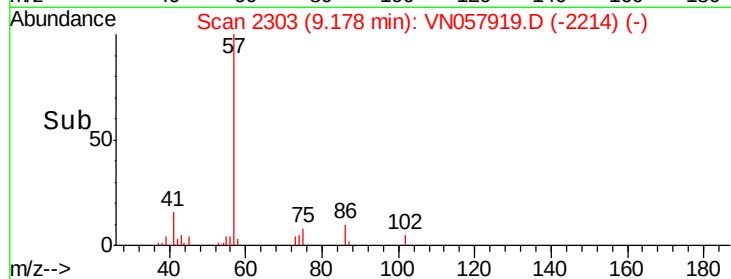
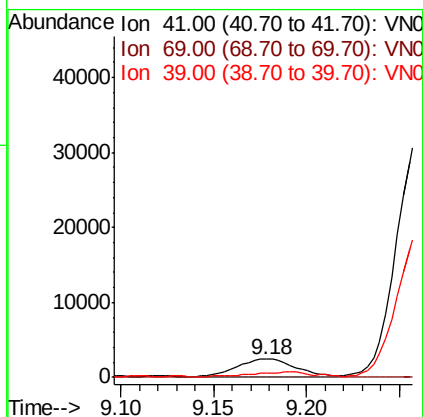
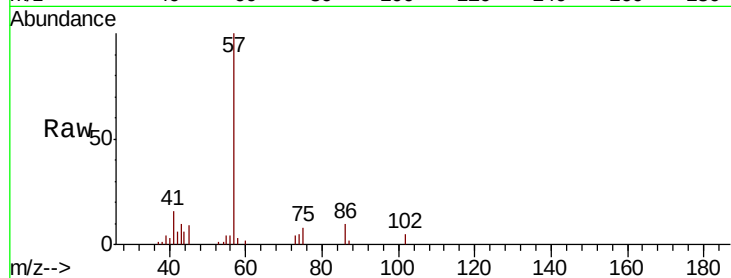




#48
Methyl methacrylate
Concen: 1.112 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. -0.01 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

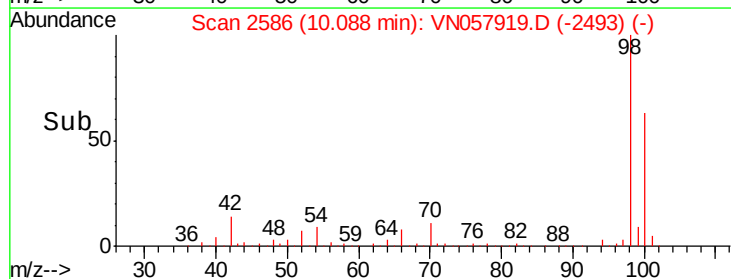
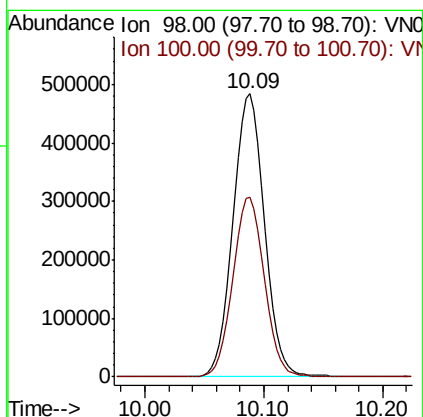
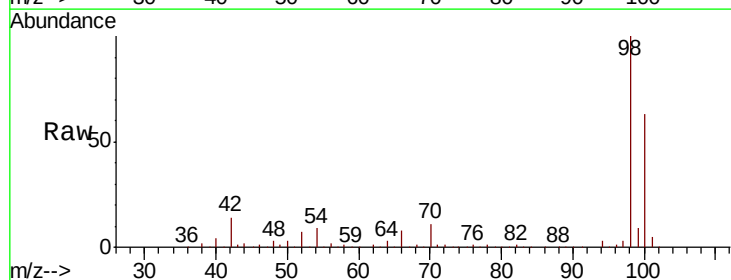
Instrument :
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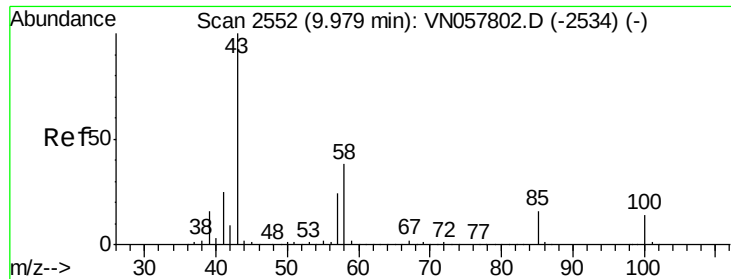
Tgt Ion: 41 Resp: 5511
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 27.9 52.7 79.1#



#50
Toluene-d8
Concen: 51.162 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

Tgt Ion: 98 Resp: 889270
Ion Ratio Lower Upper
98 100
100 63.5 50.3 75.5





#51

4-Methyl-2-Pentanone

Concen: 1.101 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057919.D

Acq: 11 Sep 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

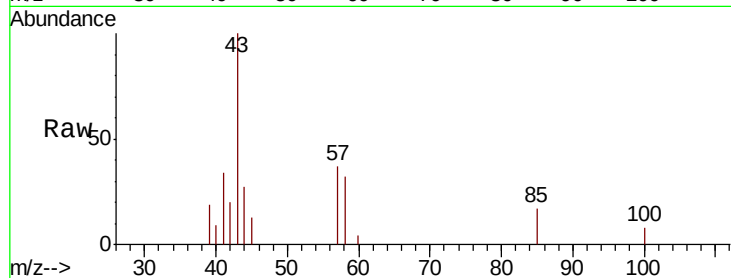
T11-C3-(4)

Tgt Ion: 43 Resp: 6366

Ion Ratio Lower Upper

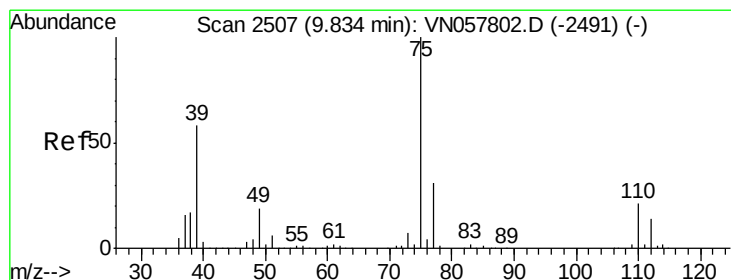
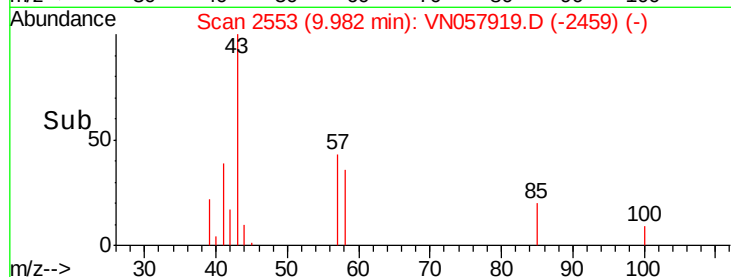
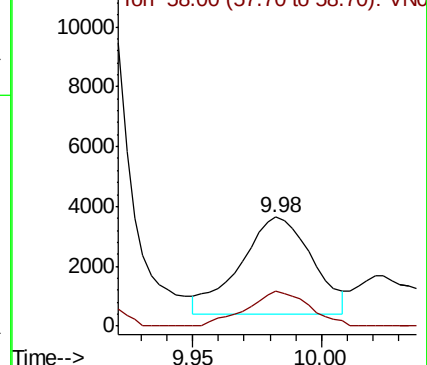
43 100

58 31.1 29.8 44.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.254 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057919.D

Acq: 11 Sep 2019 12:51

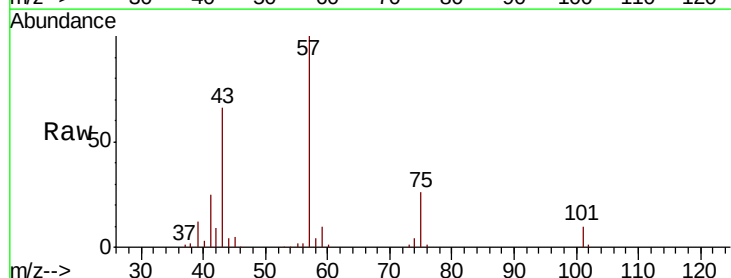
Tgt Ion: 75 Resp: 29414

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

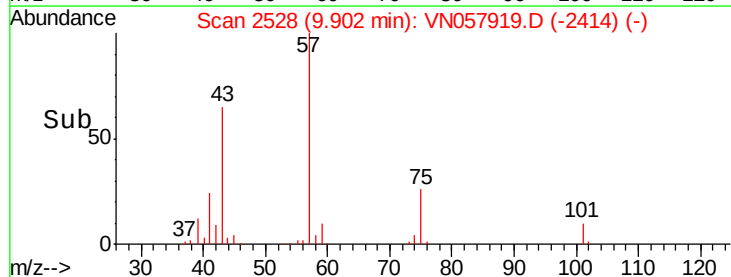
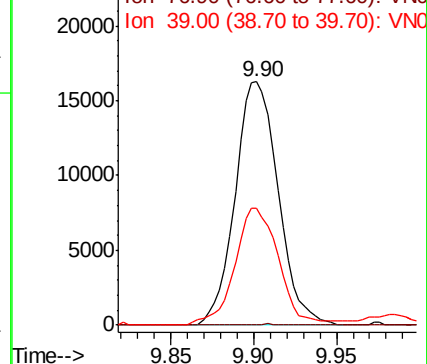
39 46.5 46.2 69.4

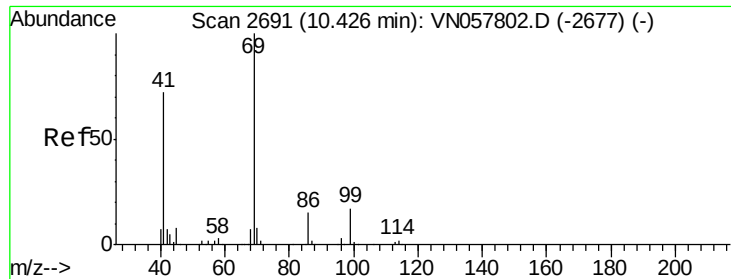


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#56

Ethyl methacrylate

Concen: 0.205 ug/l

RT: 10.54 min Scan# 2728

Delta R.T. 0.12 min

Lab File: VN057919.D

Acq: 11 Sep 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

T11-C3-(4)

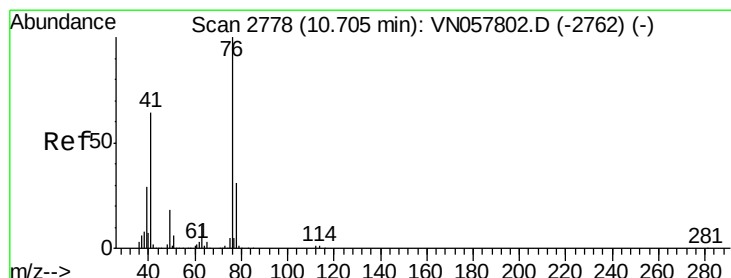
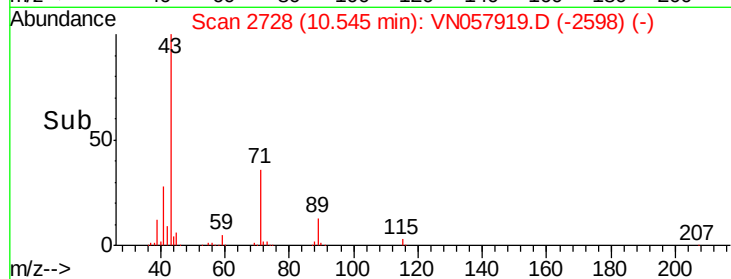
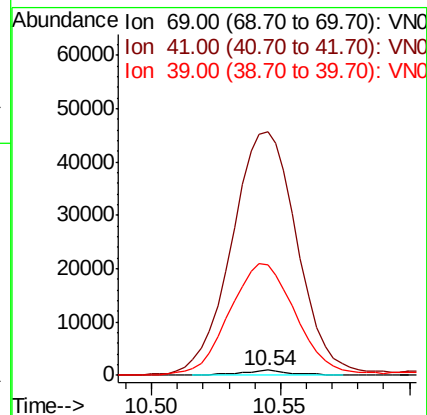
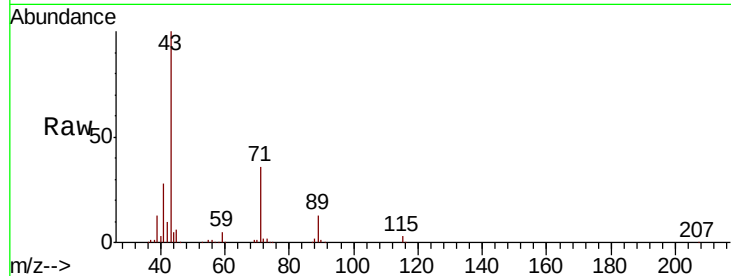
Tgt Ion: 69 Resp: 1395

Ion Ratio Lower Upper

69 100

41 5849.8 56.7 85.1#

39 2713.7 36.3 54.5#



#57

1,3-Dichloropropane

Concen: 0.504 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.06 min

Lab File: VN057919.D

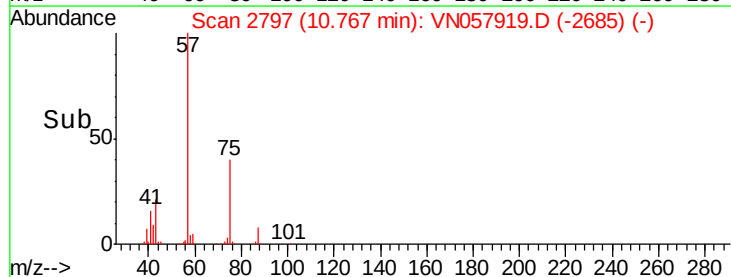
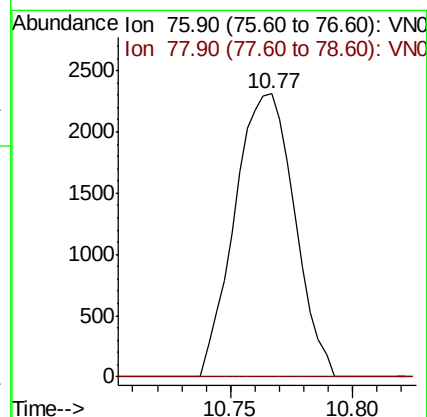
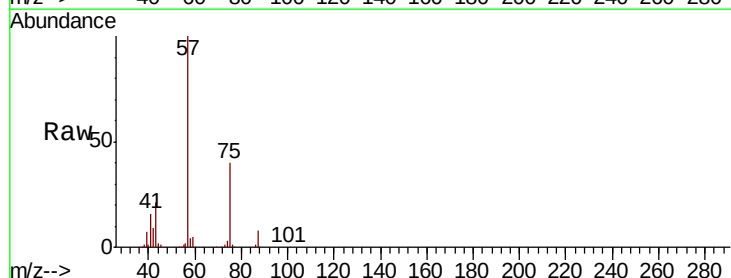
Acq: 11 Sep 2019 12:51

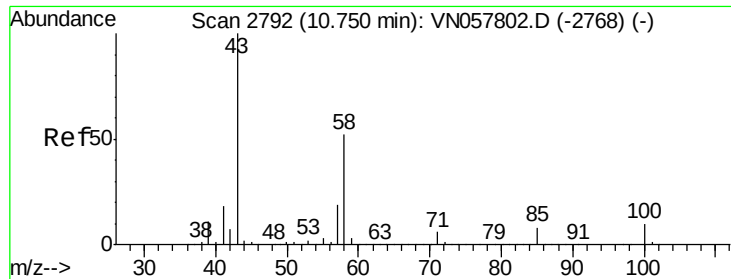
Tgt Ion: 76 Resp: 3927

Ion Ratio Lower Upper

76 100

78 0.0 25.4 38.2#

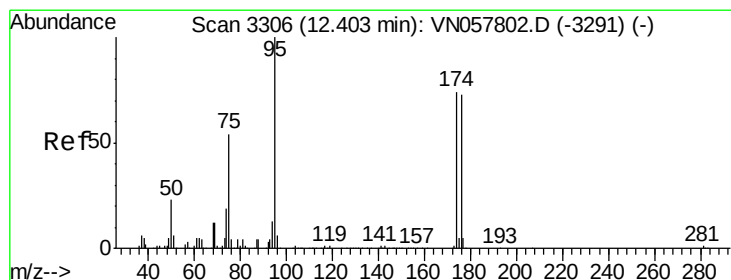
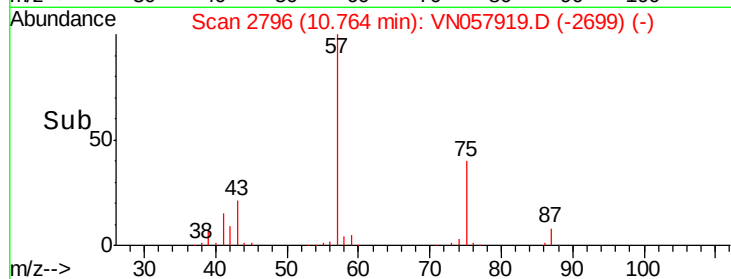
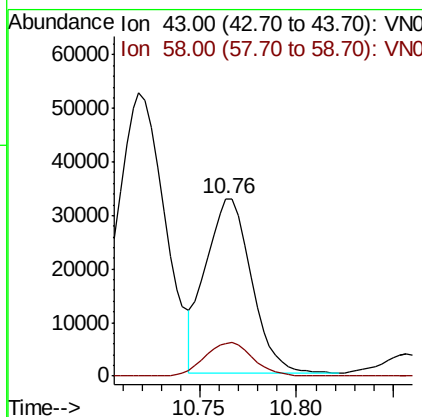
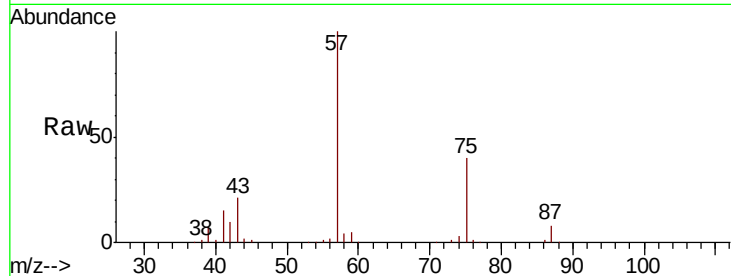




#59
2-Hexanone
Concen: 12.450 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

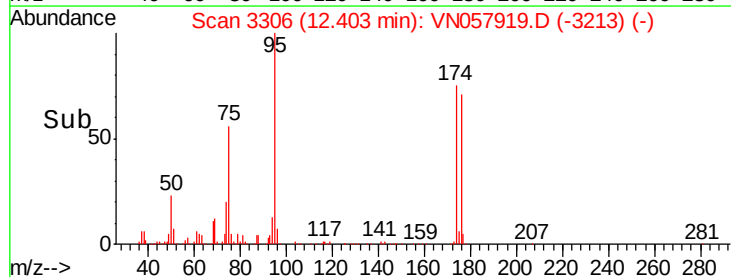
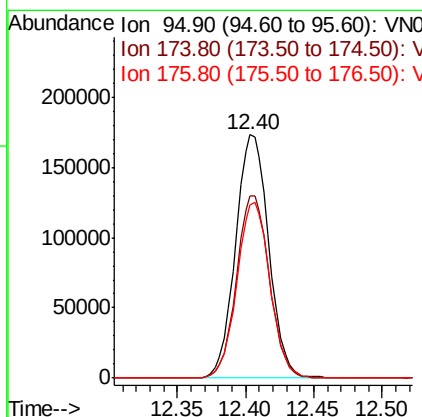
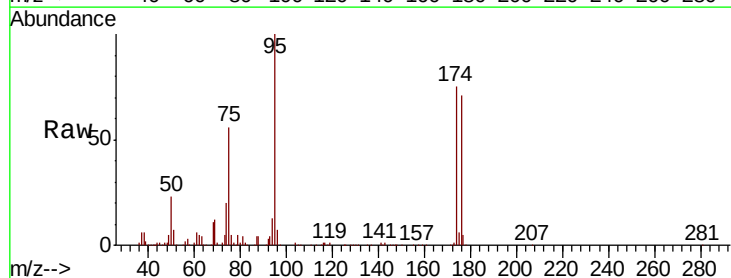
Instrument :
MSVOA_N
ClientSampleId :
T11-C3-(4)

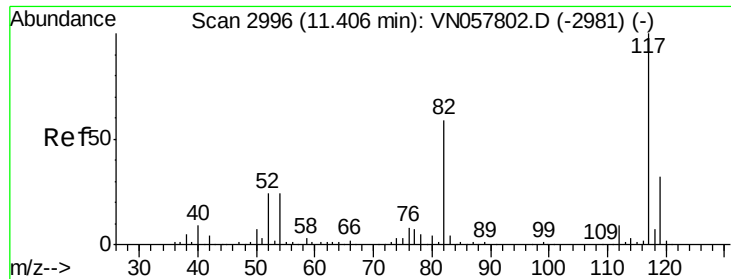
Tgt Ion: 43 Resp: 53975
Ion Ratio Lower Upper
43 100
58 20.1 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 44.169 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

Tgt Ion: 95 Resp: 292570
Ion Ratio Lower Upper
95 100
174 74.3 0.0 150.2
176 72.0 0.0 146.0

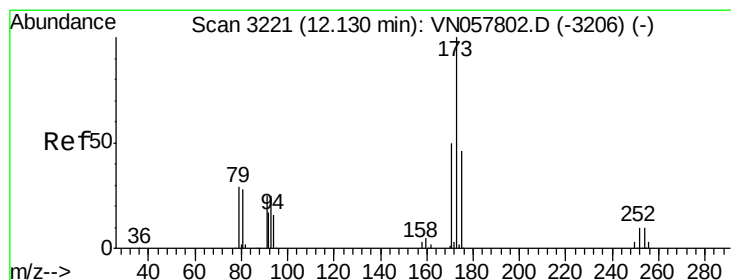
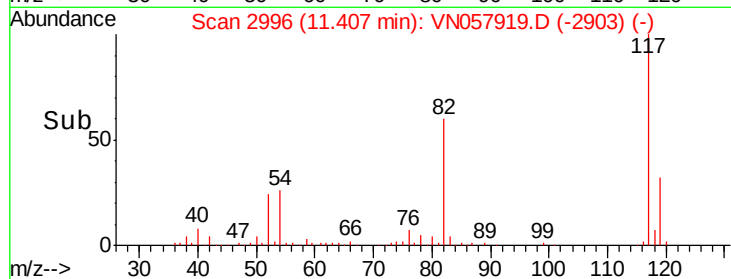
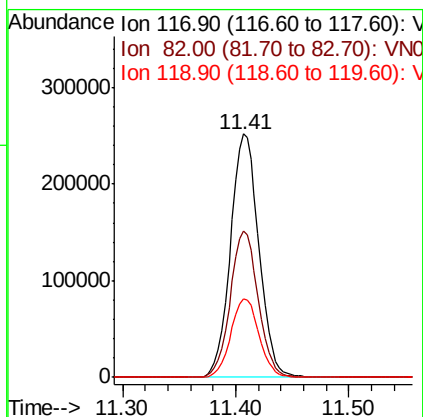
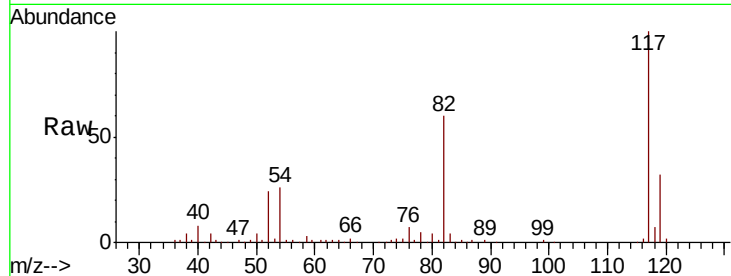




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

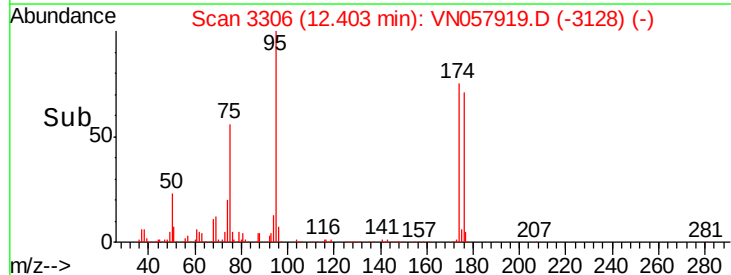
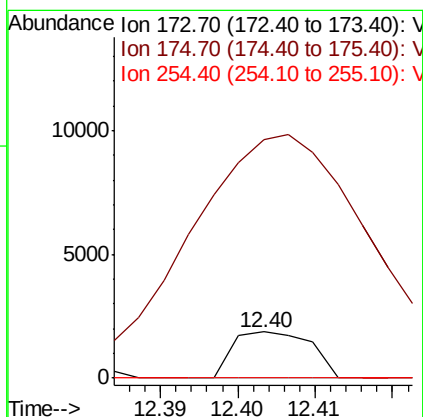
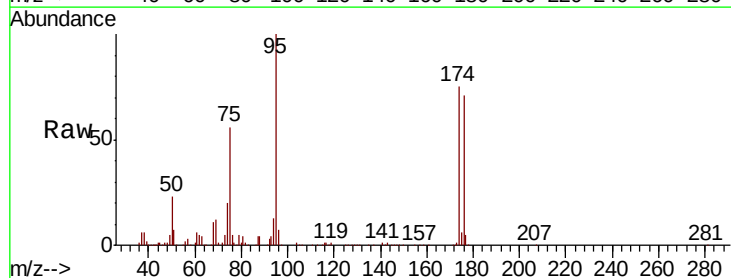
Instrument :
MSVOA_N
ClientSampleId :
T11-C3-(4)

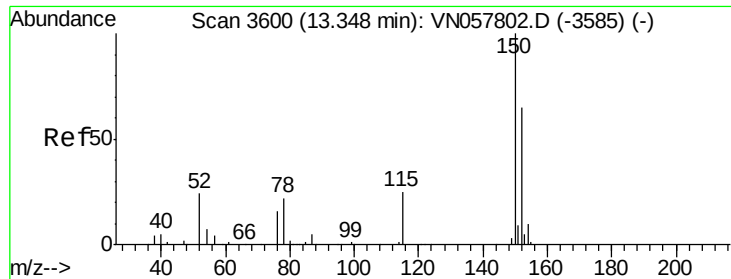
Tgt Ion:117 Resp: 439369
Ion Ratio Lower Upper
117 100
82 60.0 47.2 70.8
119 32.2 25.3 37.9



#71
Bromoform
Concen: 0.526 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

Tgt Ion:173 Resp: 1309
Ion Ratio Lower Upper
173 100
175 1089.8 23.5 70.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057919.D

Acq: 11 Sep 2019 12:51

Instrument :

MSVOA_N

ClientSampleId :

T11-C3-(4)

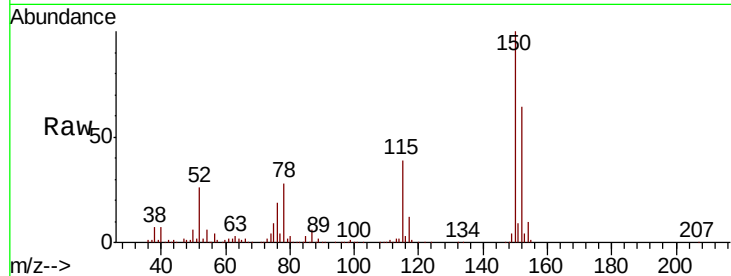
Tgt Ion:152 Resp: 230754

Ion Ratio Lower Upper

152 100

115 60.5 30.3 91.0

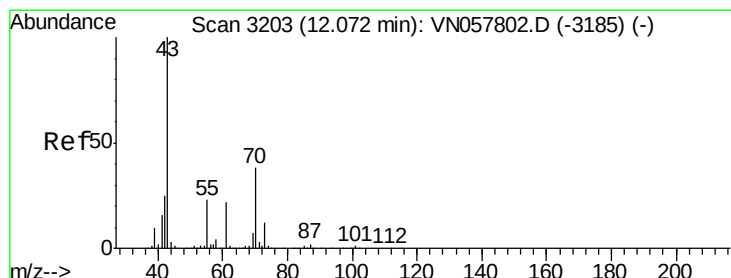
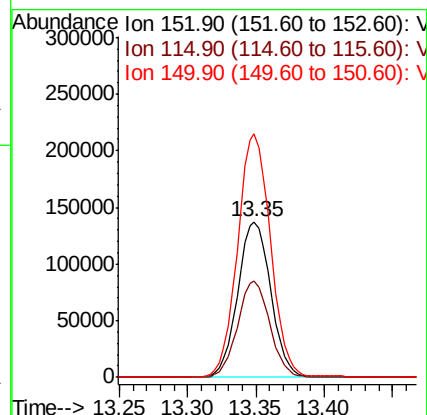
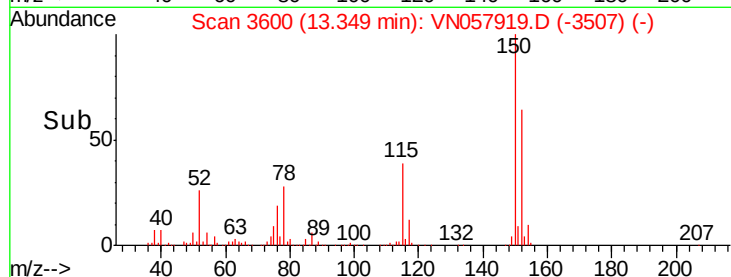
150 156.4 0.0 352.4



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



#74

N-ethyl acetate

Concen: 0.337 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.03 min

Lab File: VN057919.D

Acq: 11 Sep 2019 12:51

Tgt Ion: 43 Resp: 2623

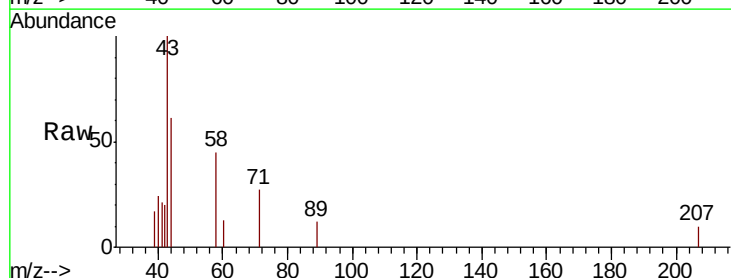
Ion Ratio Lower Upper

43 100

70 0.0 30.6 45.8#

55 0.0 18.6 27.8#

61 0.0 17.4 26.2#

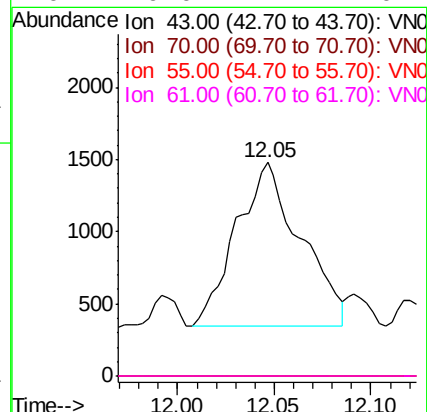
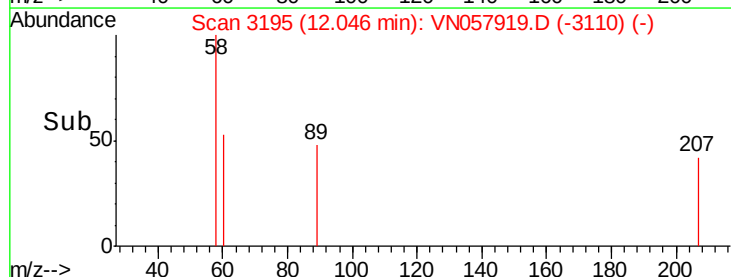


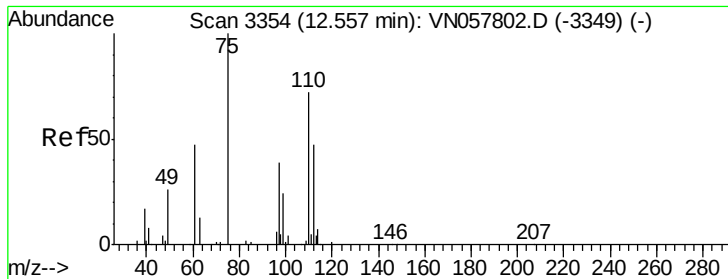
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 31.393 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057919.D

Acq: 11 Sep 2019 12:51

Instrument :

MSVOA_N

ClientSampled :

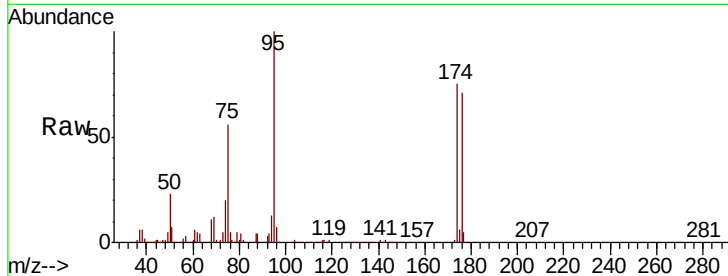
T11-C3-(4)

Tgt Ion: 75 Resp: 163875

Ion Ratio Lower Upper

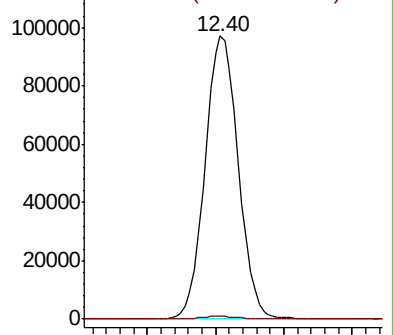
75 100

77 1.1 0.0 0.0#

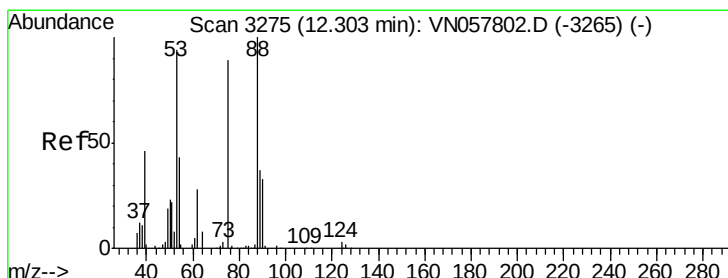
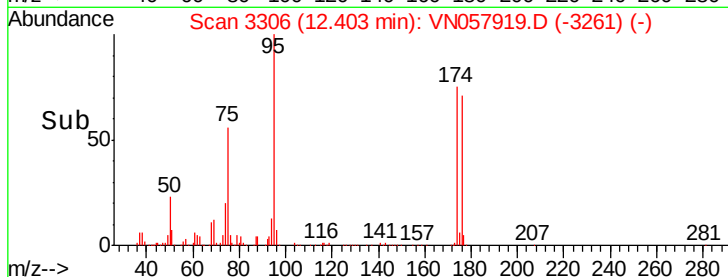


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 110.474 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057919.D

Acq: 11 Sep 2019 12:51

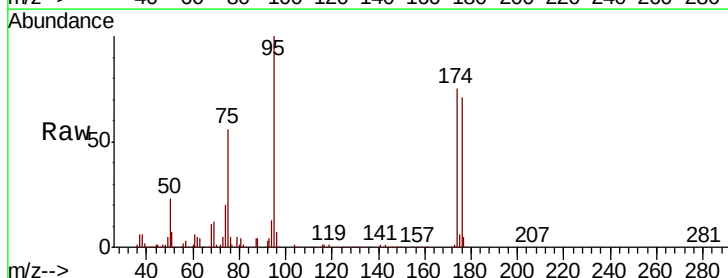
Tgt Ion: 75 Resp: 163875

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

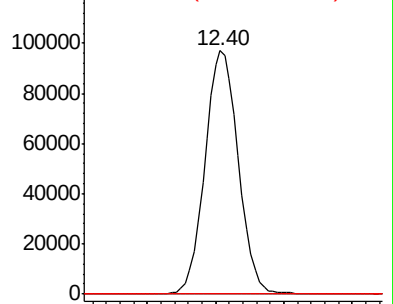
89 0.0 35.3 52.9#



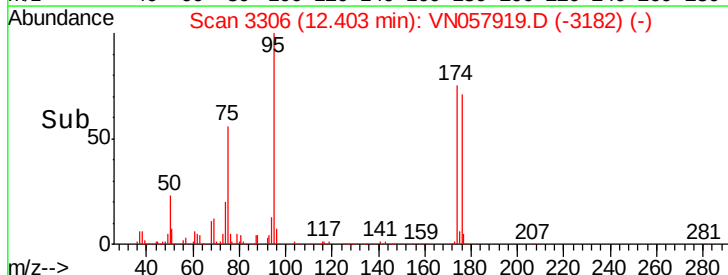
Abundance Ion 74.90 (74.60 to 75.60): VN0

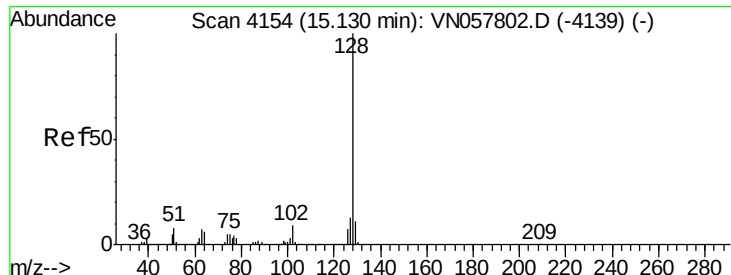
Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



Time-->





#95
Naphthalene
Concen: Below Cal
RT: 15.14 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN057919.D
Acq: 11 Sep 2019 12:51

Instrument :
MSVOA_N
ClientSampleId :
T11-C3-(4)

Tgt Ion:128 Resp: 676
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 12.8#

