

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091119\
 Data File : VN057920.D
 Acq On : 11 Sep 2019 13:13
 Operator : JC/SP
 Sample : K4643-38
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 63 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-C4-(4)

Quant Time: Sep 12 01:33:09 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	285697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	484283	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442677	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	225942	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	329959	57.02	ug/l	0.00
Spiked Amount			Recovery	=	114.04%	
35) Dibromofluoromethane	7.58	113	221371	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	10.09	98	913196	52.62	ug/l	0.00
Spiked Amount			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.41	95	296317	44.81	ug/l	0.00
Spiked Amount			Recovery	=	89.62%	

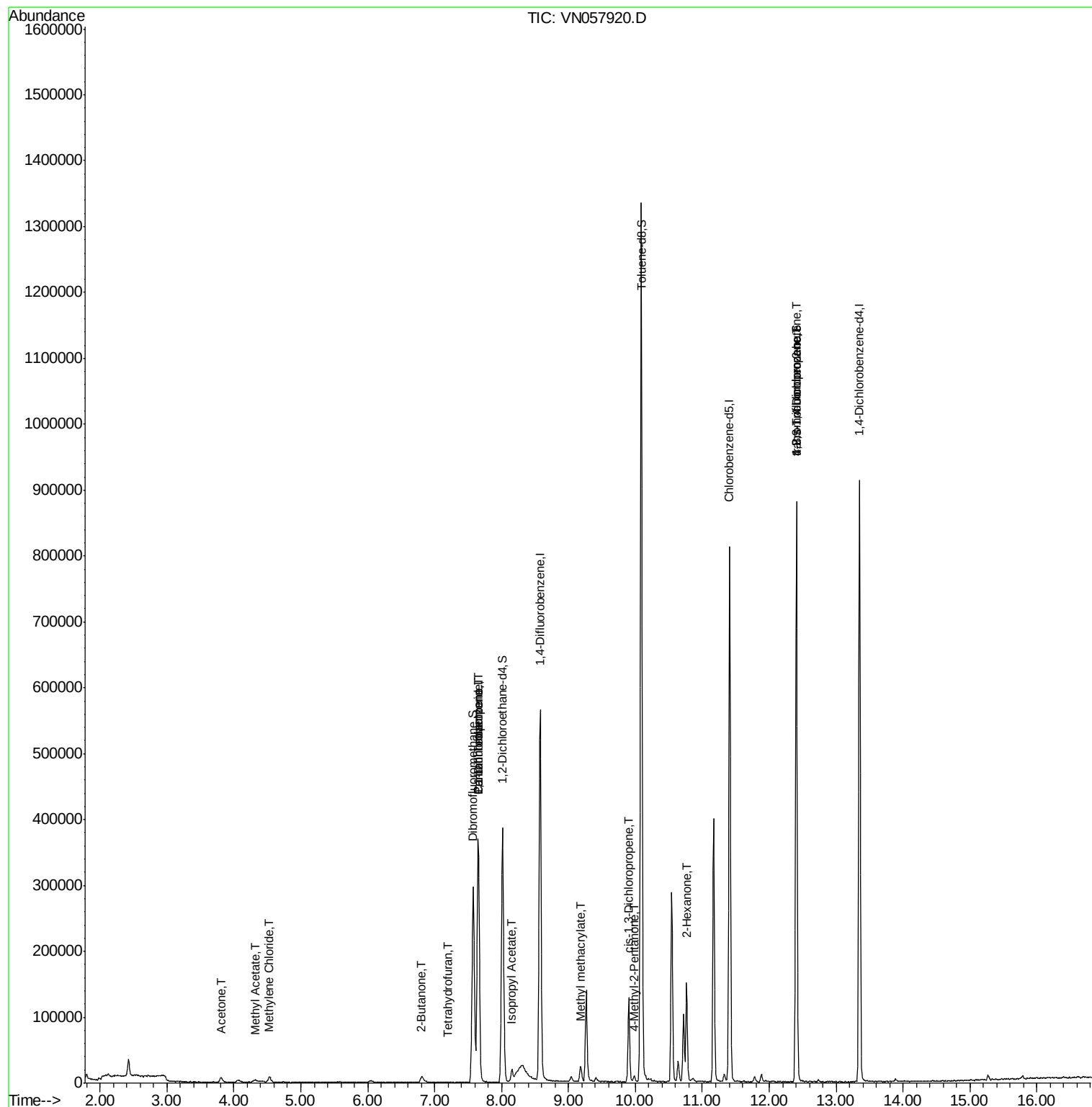
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	142	Below Cal	#	2
16) Acetone	3.81	43	13287	7.004	ug/l	91
18) Methyl Acetate	4.31	43	2926	0.579	ug/l	98
20) Methylene Chloride	4.53	84	6223	0.505	ug/l #	92
25) 2-Butanone	6.81	43	1138	0.414	ug/l #	49
29) Tetrahydrofuran	7.19	42	416	0.246	ug/l #	34
31) Cyclohexane	7.65	56	7292	Below Cal	#	3
36) 1,1-Dichloropropene	7.65	75	25131	4.475	ug/l #	51
38) Carbon Tetrachloride	7.65	117	29527	5.758	ug/l #	17
43) Isopropyl Acetate	8.16	43	22014	2.256	ug/l #	91
48) Methyl methacrylate	9.17	41	4311	0.871	ug/l #	23
51) 4-Methyl-2-Pentanone	9.99	43	5940	1.029	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	20976	3.039	ug/l #	68
59) 2-Hexanone	10.76	43	23178	5.355	ug/l #	56
76) 1,2,3-Trichloropropane	12.40	75	160429	31.388	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	160429	110.454	ug/l #	6
95) Naphthalene	15.14	128	726	Below Cal	#	69

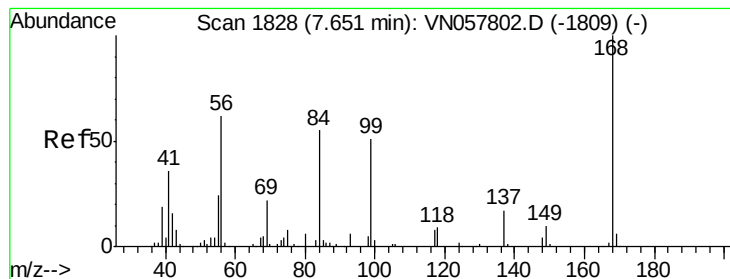
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN057920.D

Acq: 11 Sep 2019 13:13

Instrument :

MSVOA_N

ClientSampled :

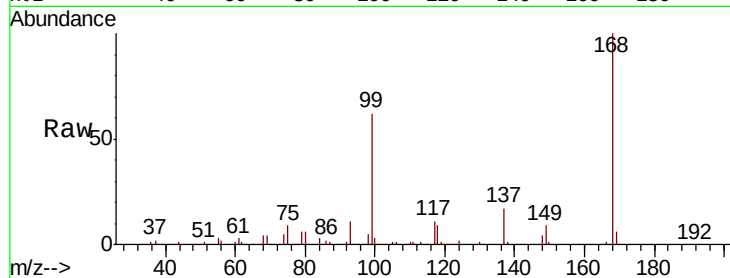
T11-C4-(4)

Tgt Ion:168 Resp: 285697

Ion Ratio Lower Upper

168 100

99 62.2 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057920.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN057920.D (-1735) (-)

7.65

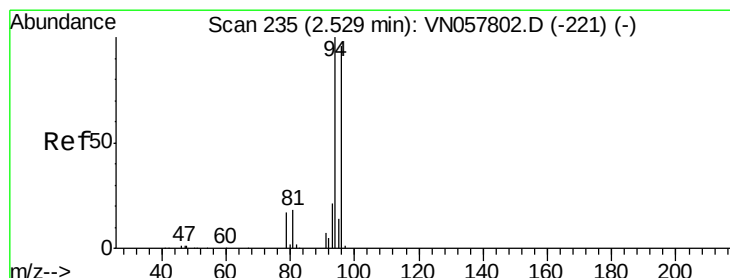
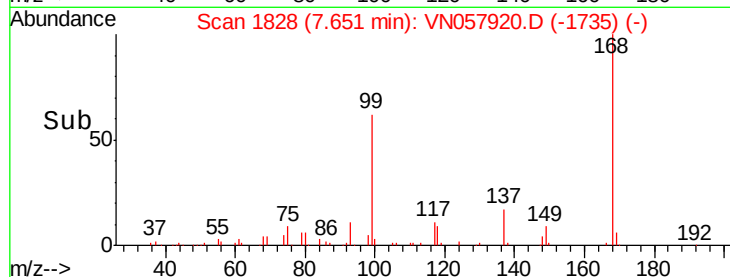
100000

50000

0

7.60 7.70 7.80

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN057920.D

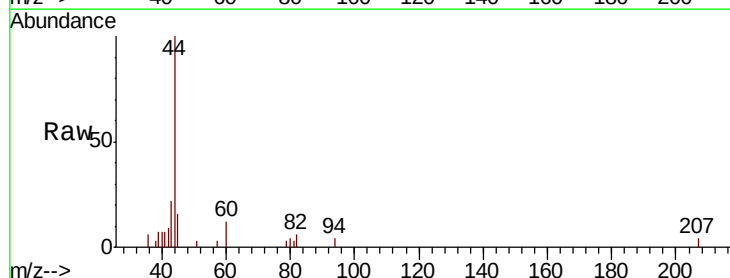
Acq: 11 Sep 2019 13:13

Tgt Ion: 94 Resp: 142

Ion Ratio Lower Upper

94 100

96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057920.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN057920.D (-141) (-)

250

200

150

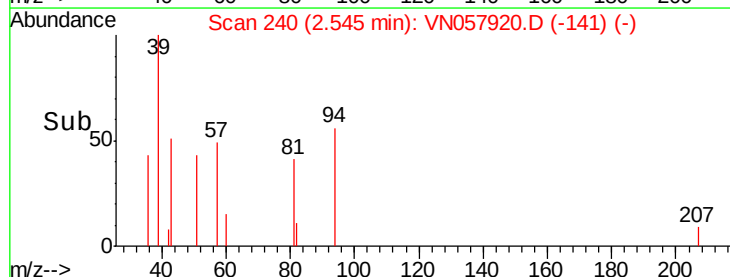
100

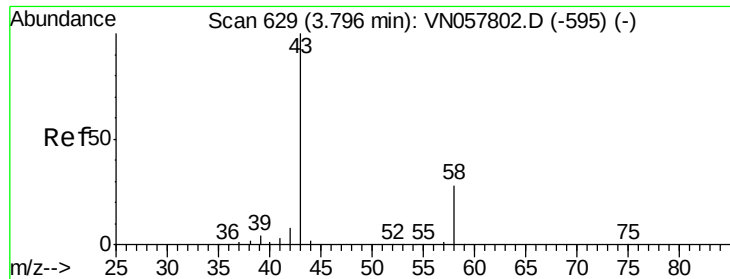
50

0

2.53 2.54 2.55 2.56

Time-->





#16

Acetone

Concen: 7.004 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.01 min

Lab File: VN057920.D

Acq: 11 Sep 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

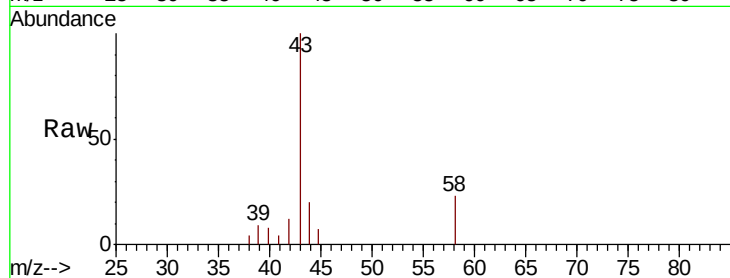
T11-C4-(4)

Tgt Ion: 43 Resp: 13287

Ion Ratio Lower Upper

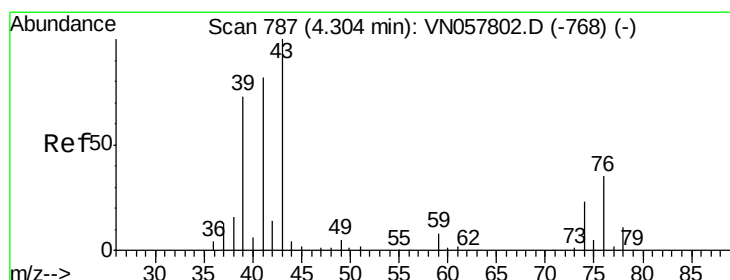
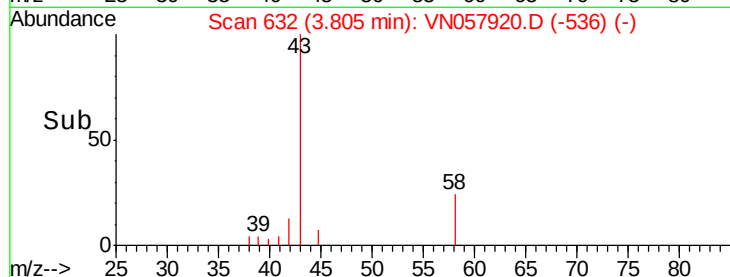
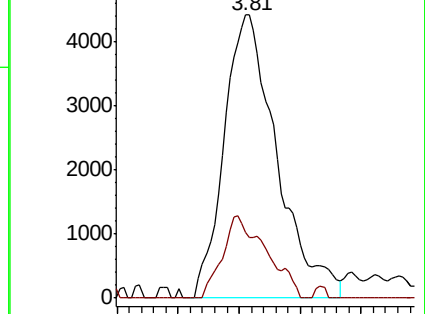
43 100

58 23.2 22.2 33.2



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-595) (-)

Ion 58.00 (57.70 to 58.70): VN057802.D (-595) (-)



#18

Methyl Acetate

Concen: 0.579 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.00 min

Lab File: VN057920.D

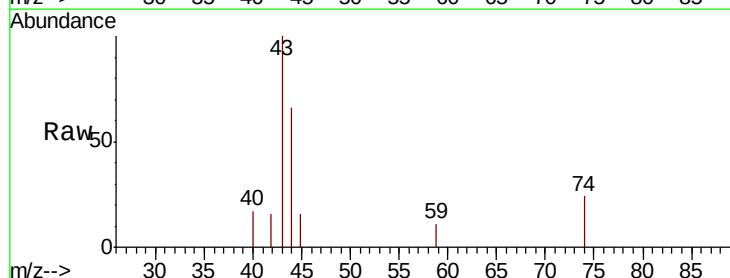
Acq: 11 Sep 2019 13:13

Tgt Ion: 43 Resp: 2926

Ion Ratio Lower Upper

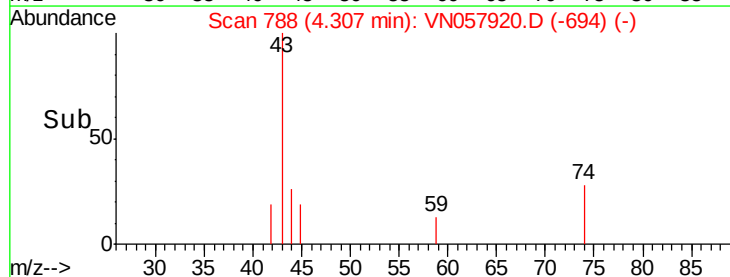
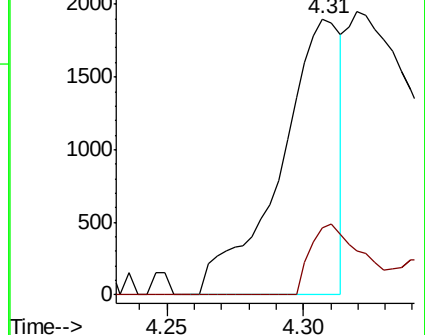
43 100

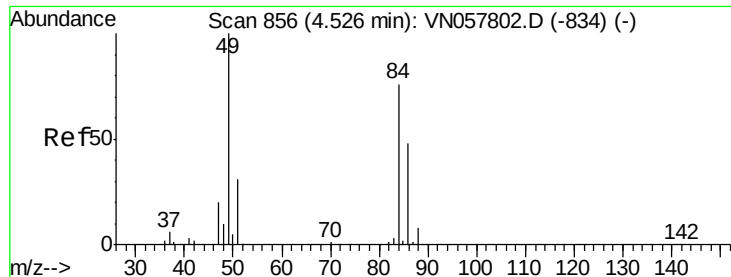
74 21.7 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VN057802.D (-768) (-)

Ion 74.00 (73.70 to 74.70): VN057802.D (-768) (-)

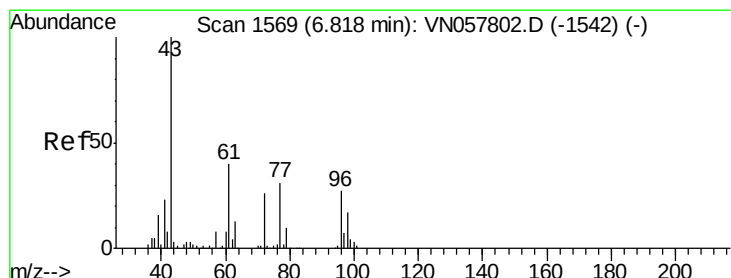
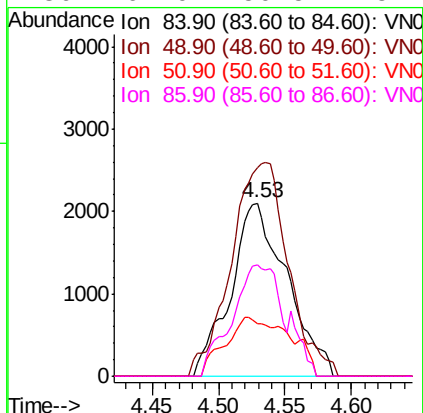
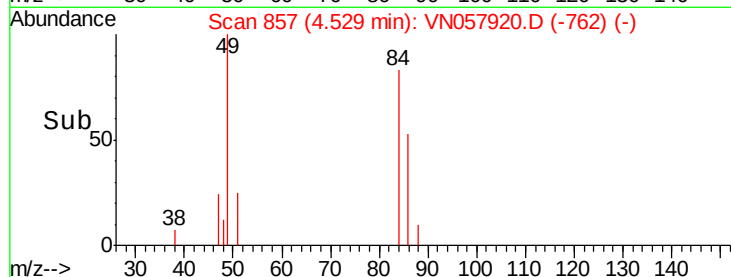
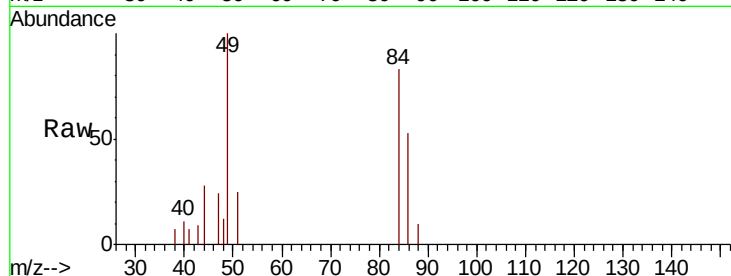




#20
Methylene Chloride
Concen: 0.505 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

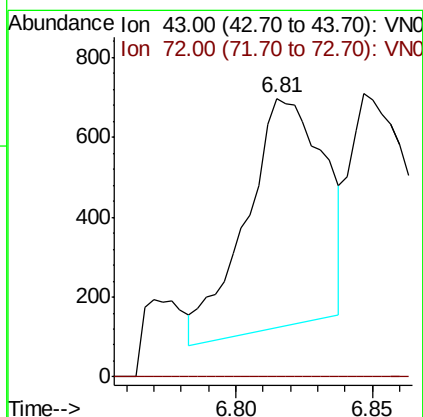
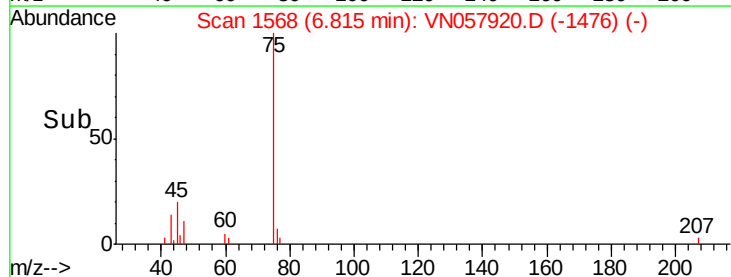
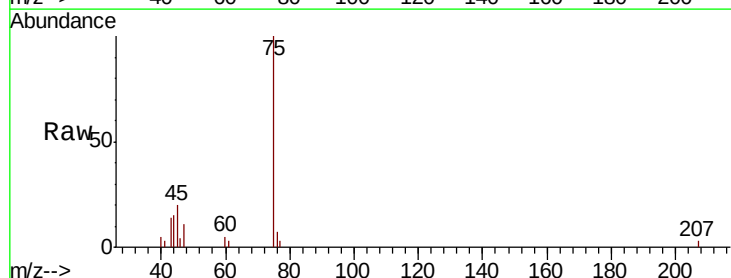
Instrument :
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T11-C4-(4)

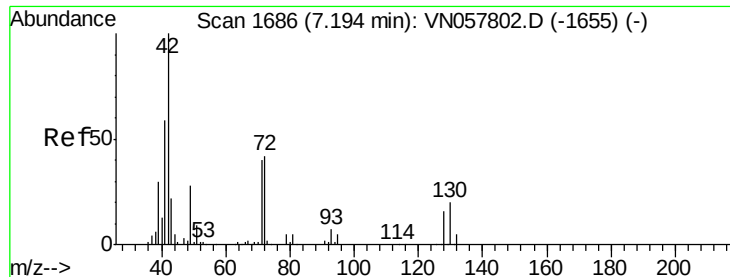
Tgt Ion: 84 Resp: 6223
Ion Ratio Lower Upper
84 100
49 120.4 104.8 157.2
51 30.6 33.0 49.4#
86 64.0 50.5 75.7



#25
2-Butanone
Concen: 0.414 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
72 0.0 20.6 30.8#

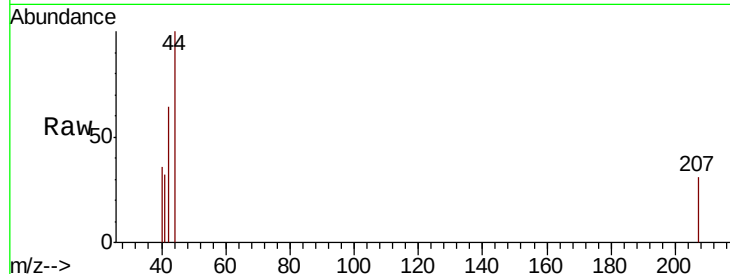




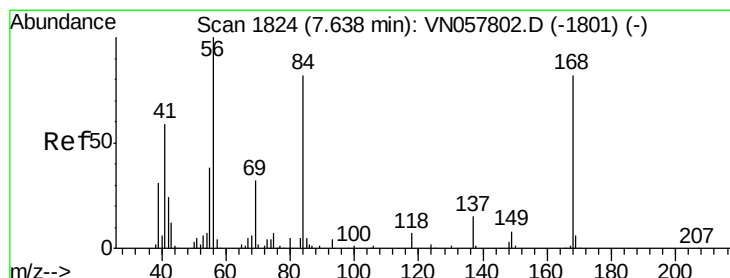
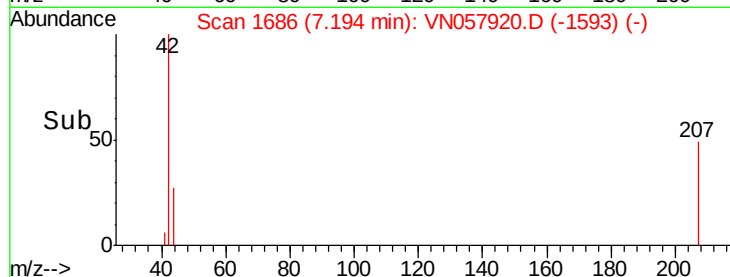
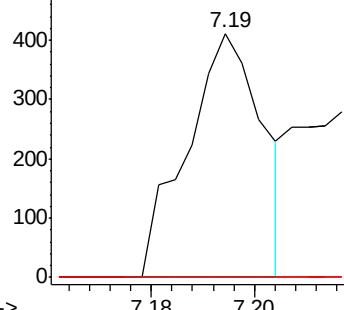
#29
Tetrahydrofuran
Concen: 0.246 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Instrument :
MSVOA_N
ClientSampled :
T11-C4-(4)

Tgt Ion: 42 Resp: 416
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 31.9 47.9#

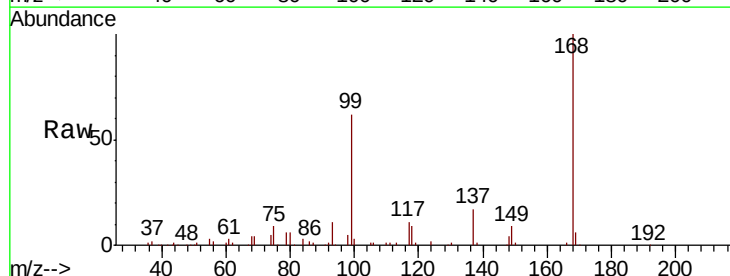


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

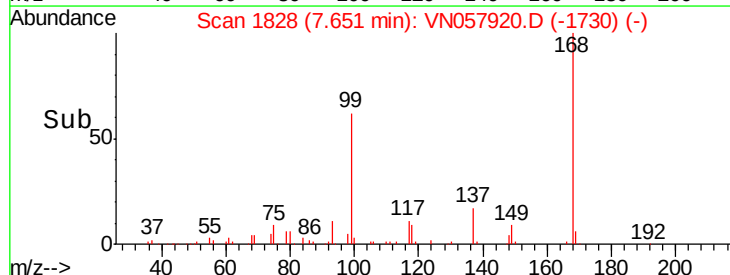
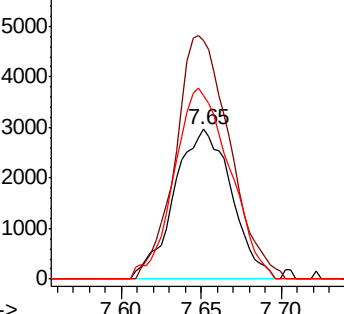


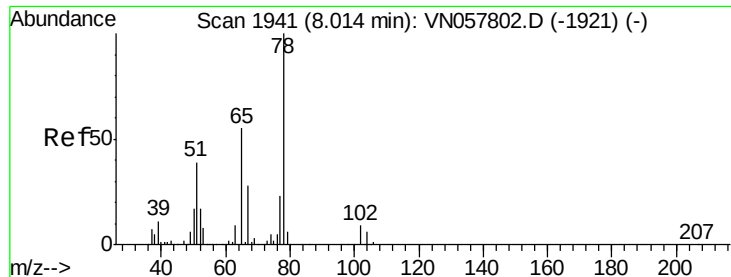
#31
Cyclohexane
Concen: Below Cal
RT: 7.65 min Scan# 1828
Delta R.T. 0.01 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Tgt Ion: 56 Resp: 7292
Ion Ratio Lower Upper
56 100
69 159.0 25.9 38.9#
84 122.6 65.6 98.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

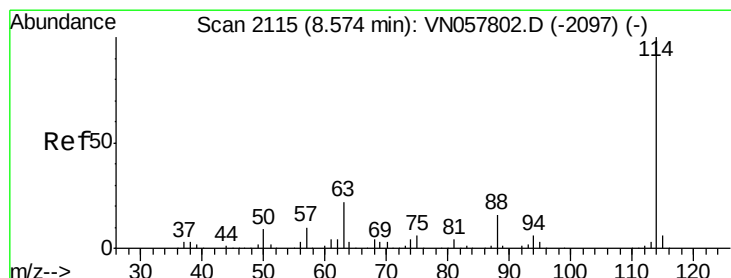
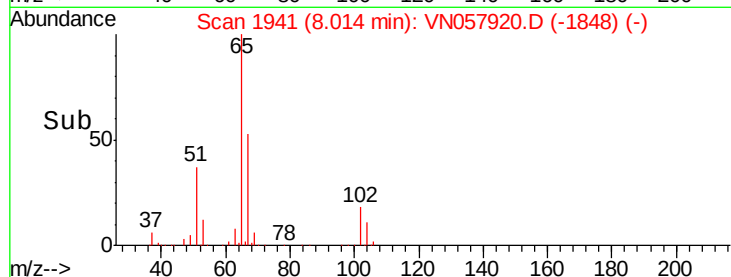
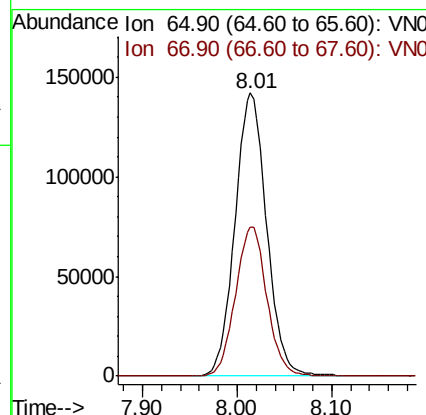
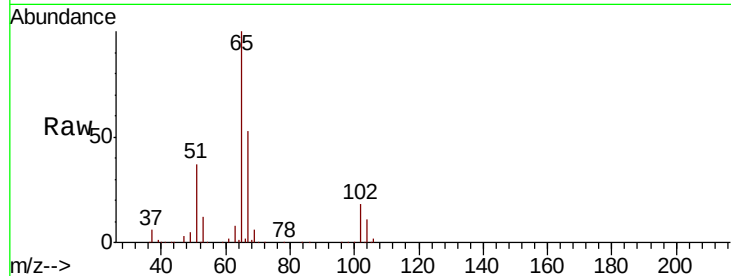




#33
 1,2-Dichloroethane-d4
 Concen: 57.022 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057920.D
 Acq: 11 Sep 2019 13:13

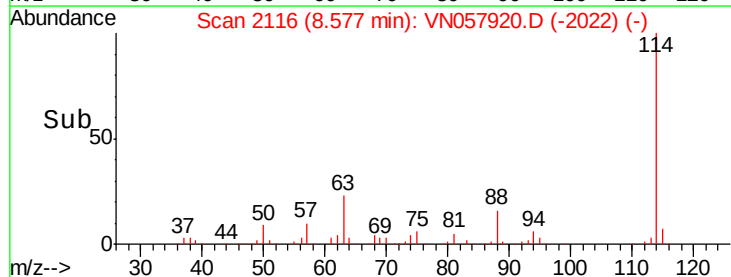
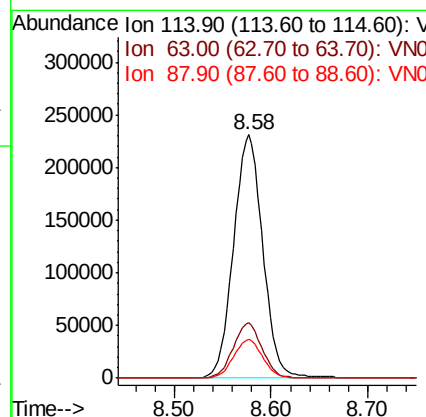
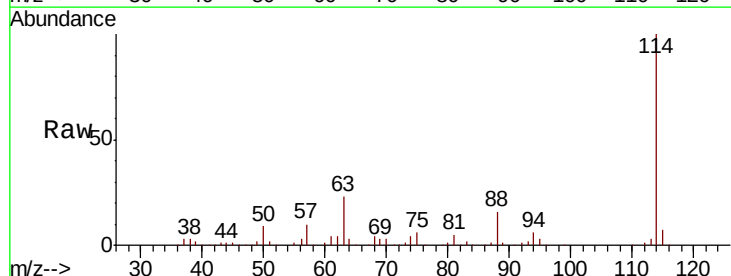
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 ClientSampleId :
 T11-C4-(4)

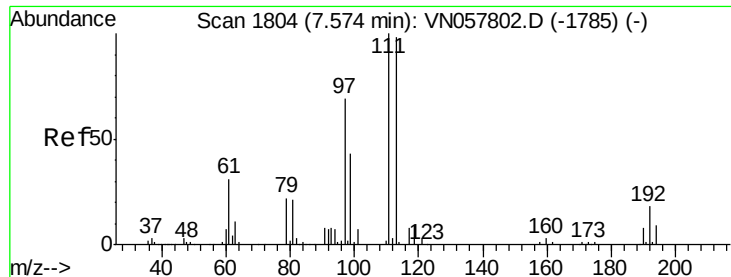
Tgt Ion: 65 Resp: 329959
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057920.D
 Acq: 11 Sep 2019 13:13

Tgt Ion: 114 Resp: 484283
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 44.0
 88 15.9 0.0 31.4

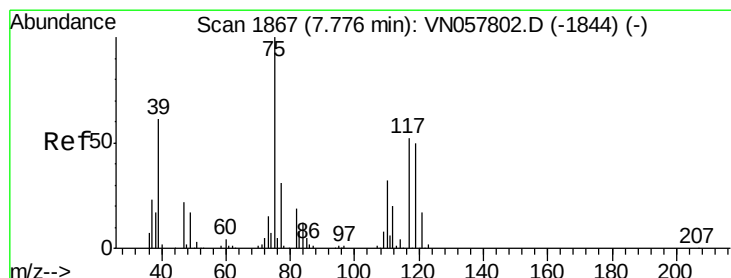
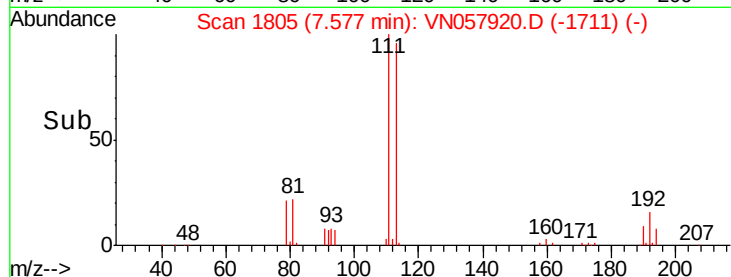
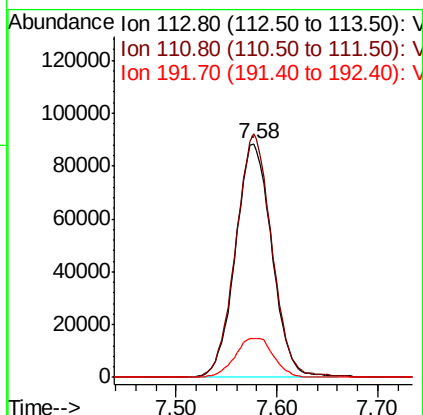
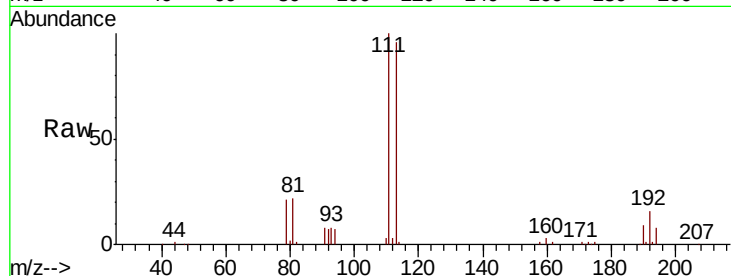




#35
 Dibromofluoromethane
 Concen: 49.527 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057920.D
 Acq: 11 Sep 2019 13:13

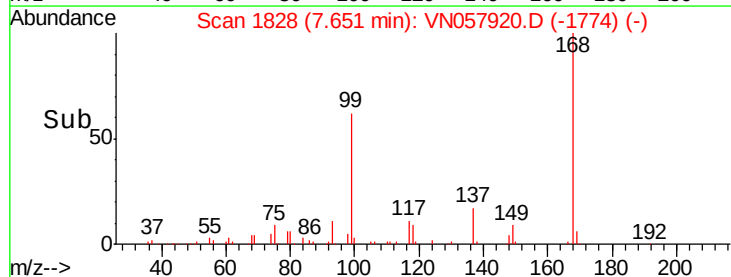
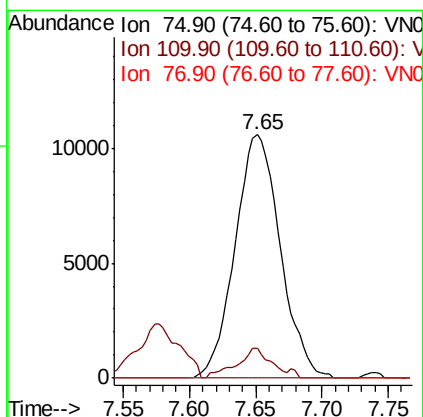
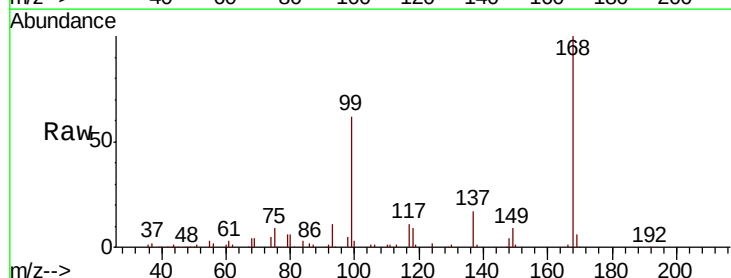
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 T11-C4-(4)

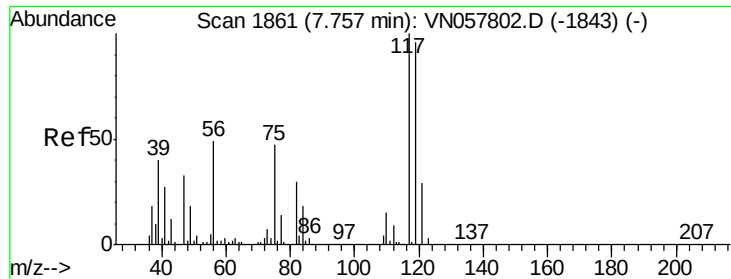
Tgt Ion: 113 Resp: 221371
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.3 121.9
 192 17.7 14.6 22.0



#36
 1,1-Dichloropropene
 Concen: 4.475 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN057920.D
 Acq: 11 Sep 2019 13:13

Tgt Ion: 75 Resp: 25131
 Ion Ratio Lower Upper
 75 100
 110 9.2 16.3 48.9#
 77 0.0 25.0 37.4#

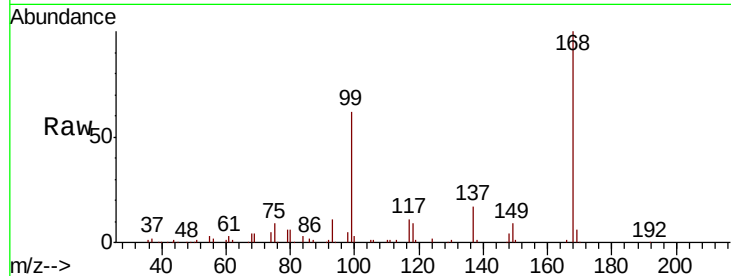




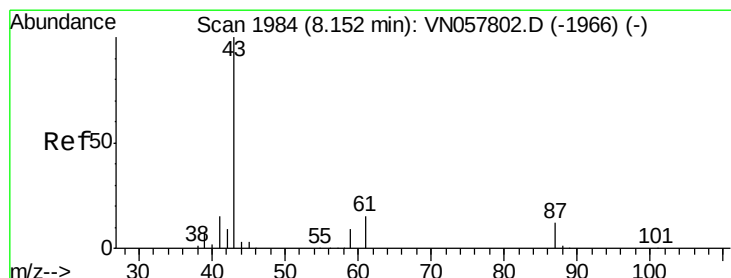
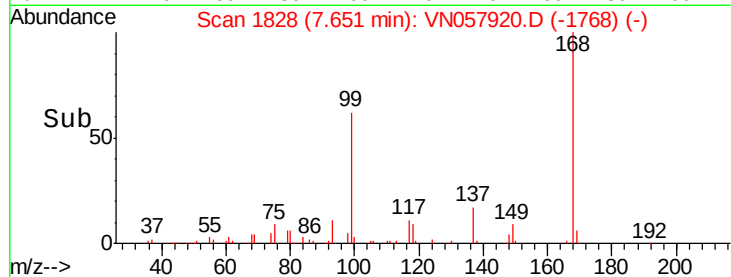
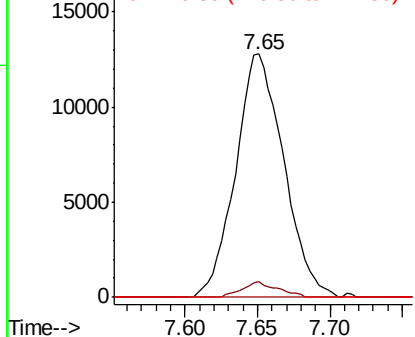
#38
Carbon Tetrachloride
Concen: 5.758 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Instrument :
MSVOA_N
ClientSampled :
T11-C4-(4)

Tgt Ion:117 Resp: 29527
Ion Ratio Lower Upper
117 100
119 6.2 76.9 115.3#
121 0.0 23.4 35.2#

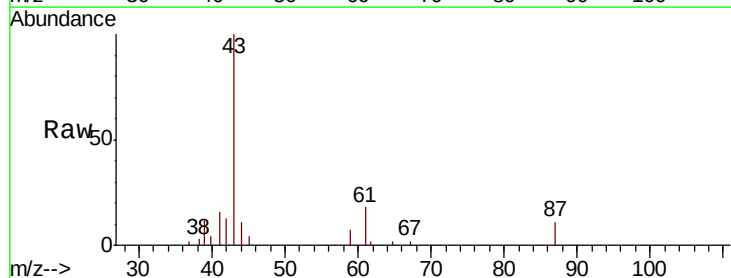


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

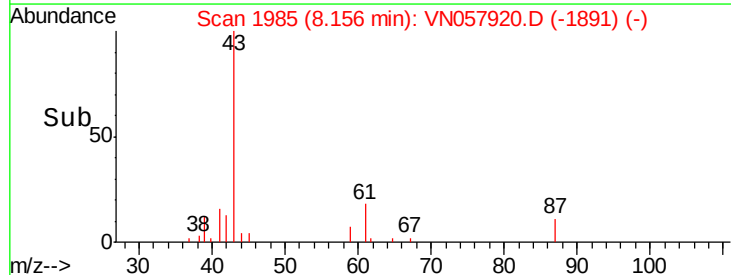
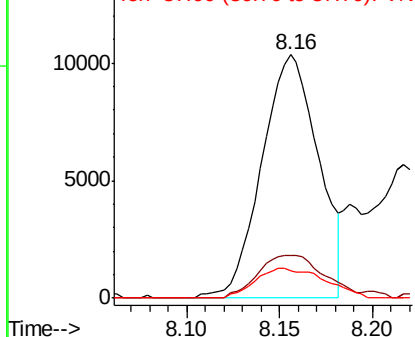


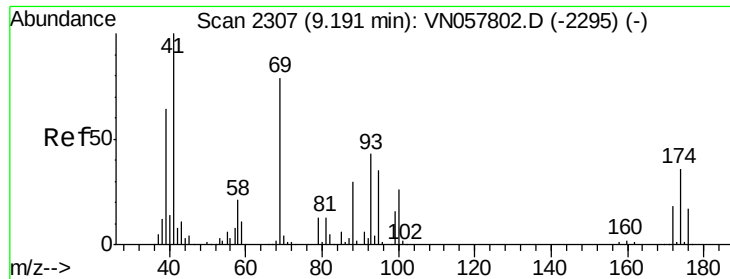
#43
Isopropyl Acetate
Concen: 2.256 ug/l
RT: 8.16 min Scan# 1985
Delta R.T. 0.00 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Tgt Ion: 43 Resp: 22014
Ion Ratio Lower Upper
43 100
61 20.6 20.1 30.1
87 15.0 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

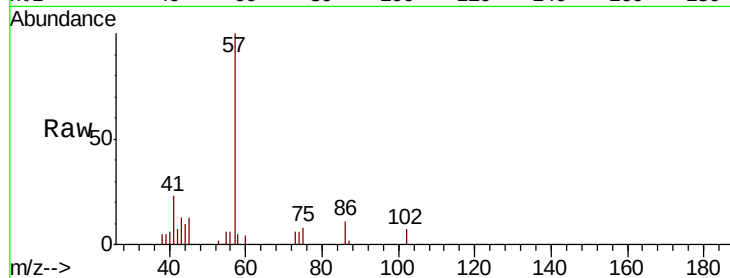




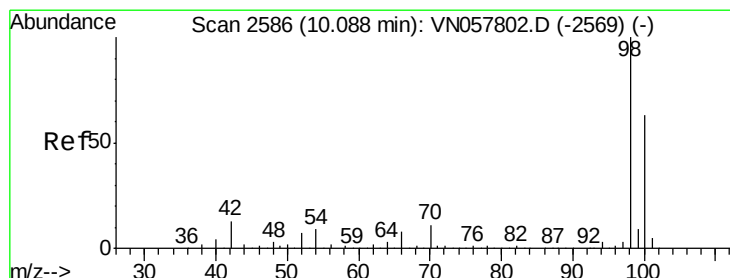
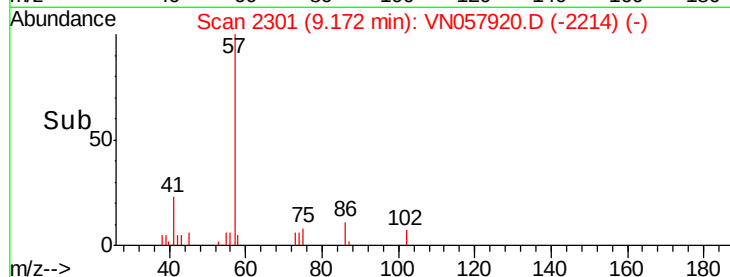
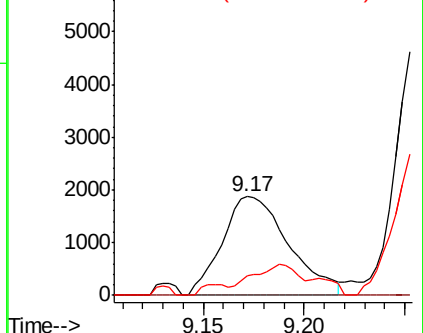
#48
Methyl methacrylate
Concen: 0.871 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
T11-C4-(4)

Tgt Ion: 41 Resp: 4311
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 16.1 52.7 79.1#

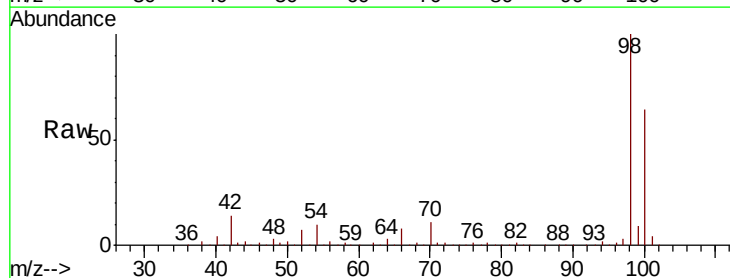


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

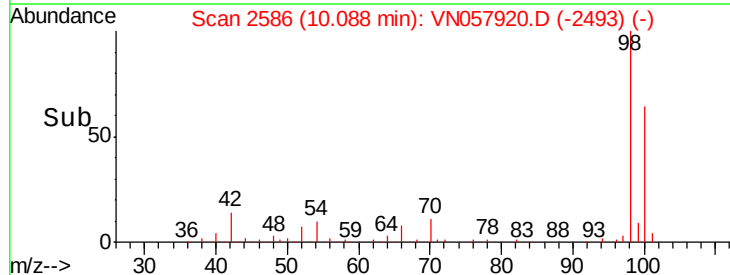
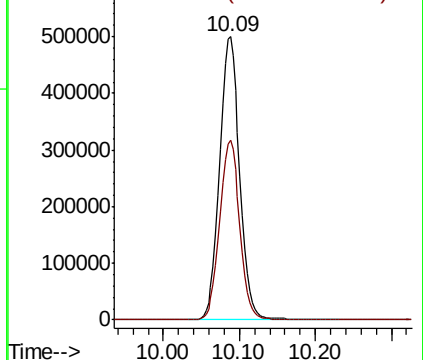


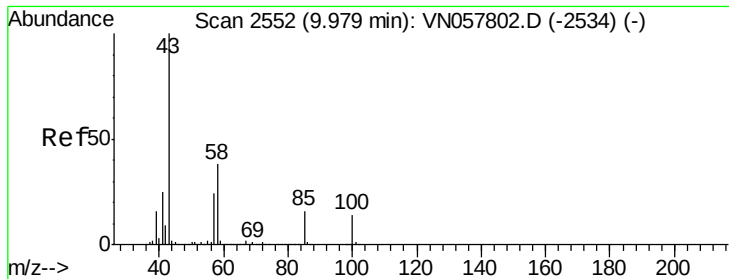
#50
Toluene-d8
Concen: 52.622 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Tgt Ion: 98 Resp: 913196
Ion Ratio Lower Upper
98 100
100 63.7 50.3 75.5



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





#51

4-Methyl-2-Pentanone

Concen: 1.029 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057920.D

Acq: 11 Sep 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

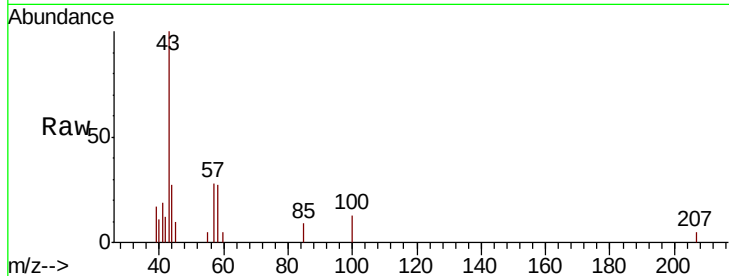
T11-C4-(4)

Tgt Ion: 43 Resp: 5940

Ion Ratio Lower Upper

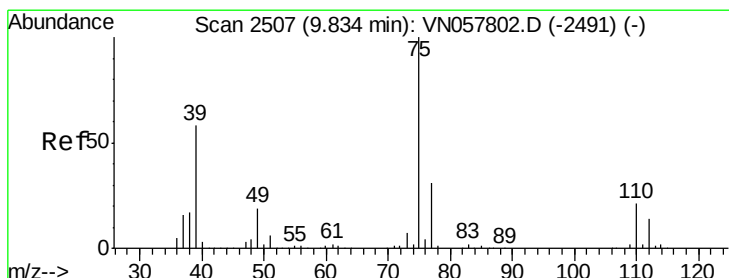
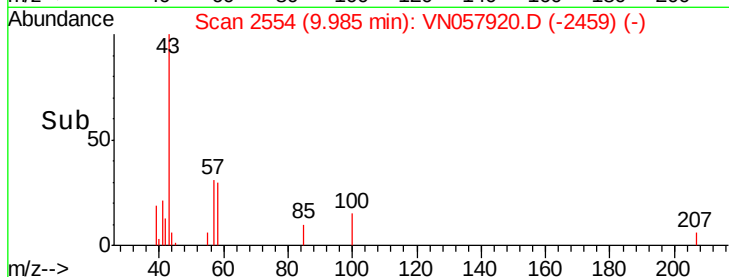
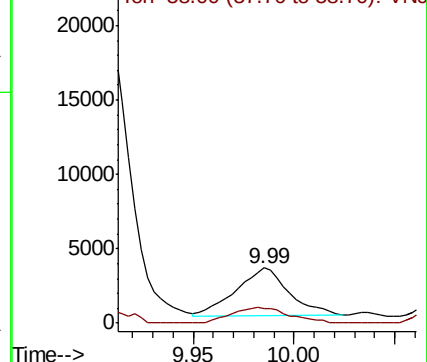
43 100

58 35.5 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: 3.039 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057920.D

Acq: 11 Sep 2019 13:13

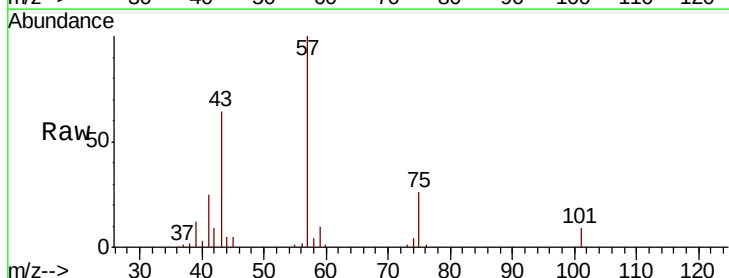
Tgt Ion: 75 Resp: 20976

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

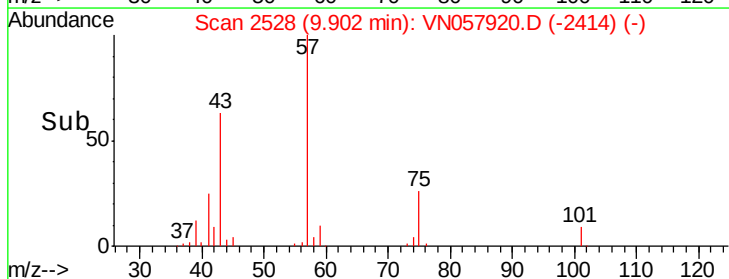
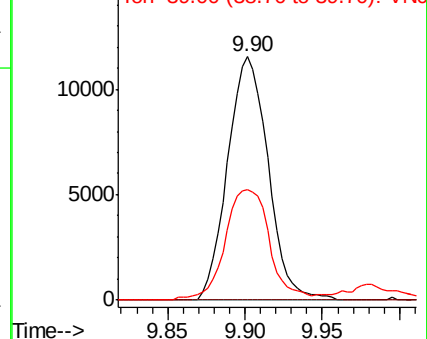
39 43.5 46.2 69.4#

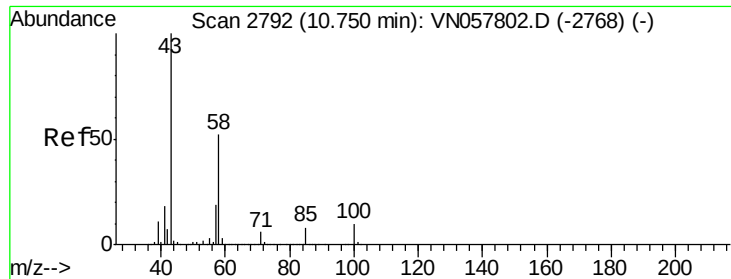


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

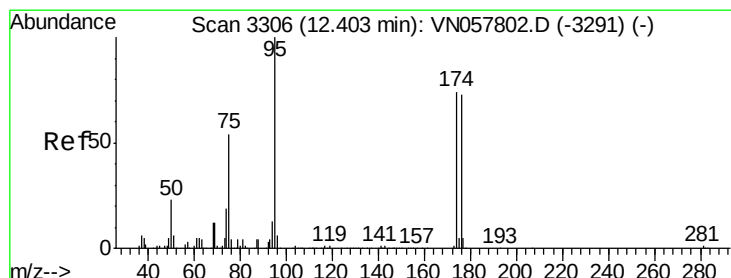
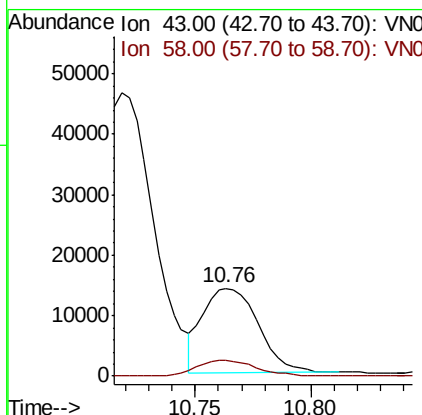
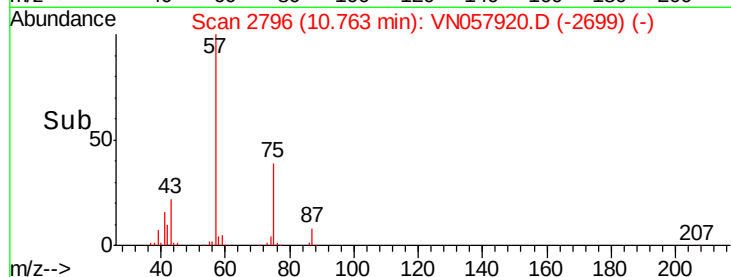
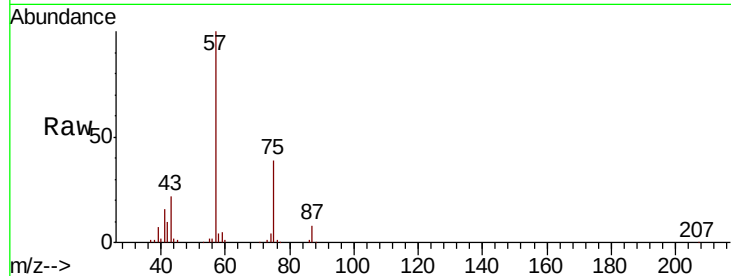




#59
2-Hexanone
Concen: 5.355 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

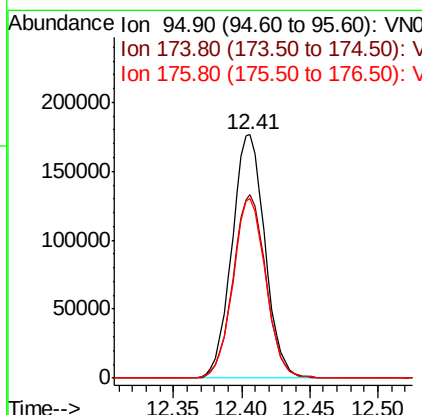
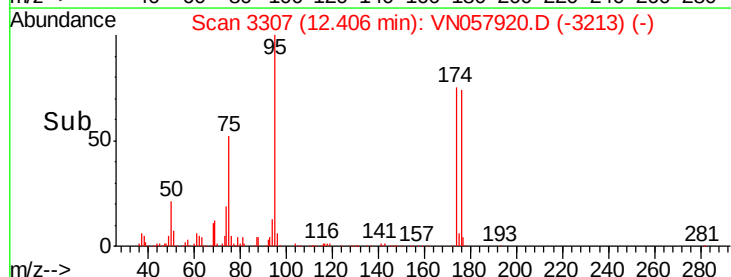
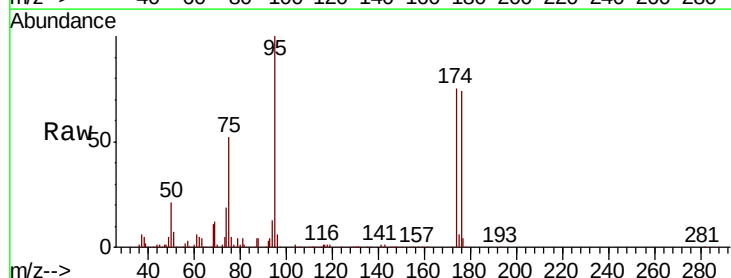
Instrument :
MSVOA_N
ClientSampled :
T11-C4-(4)

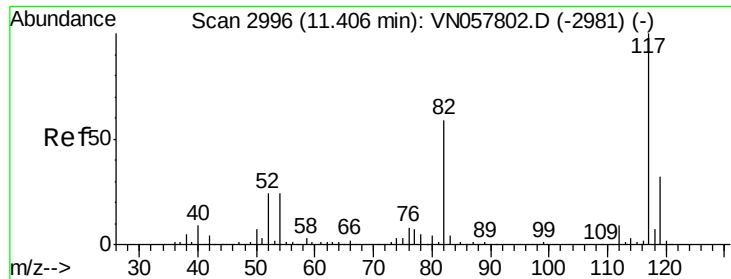
Tgt Ion: 43 Resp: 23178
Ion Ratio Lower Upper
43 100
58 20.2 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 44.806 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Tgt Ion: 95 Resp: 296317
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.2
176 73.3 0.0 146.0

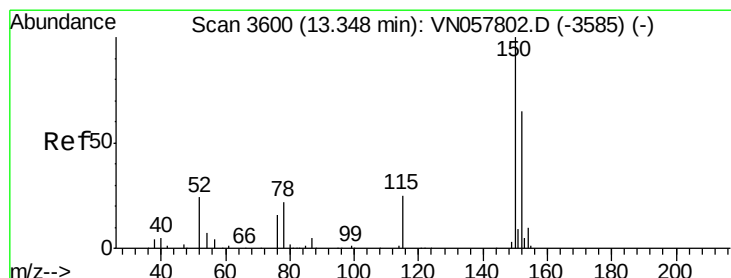
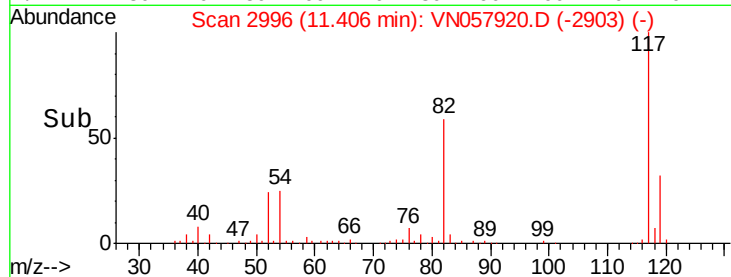
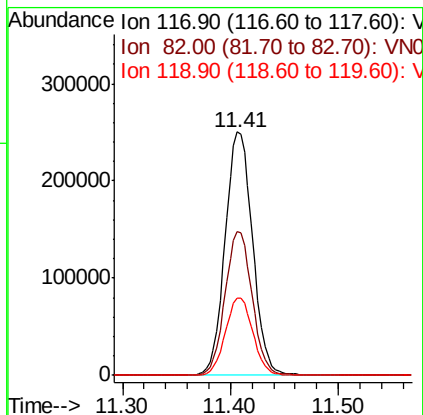
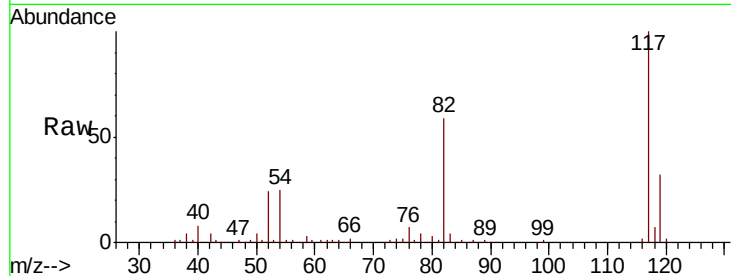




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

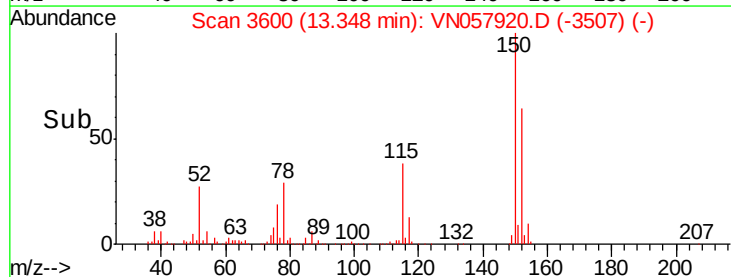
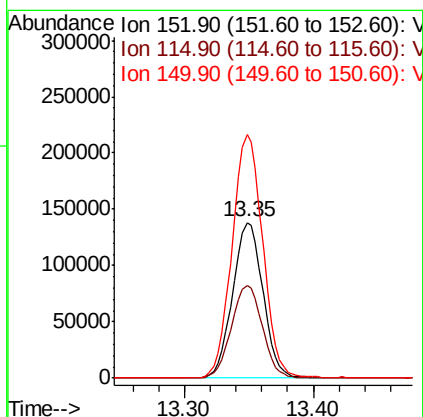
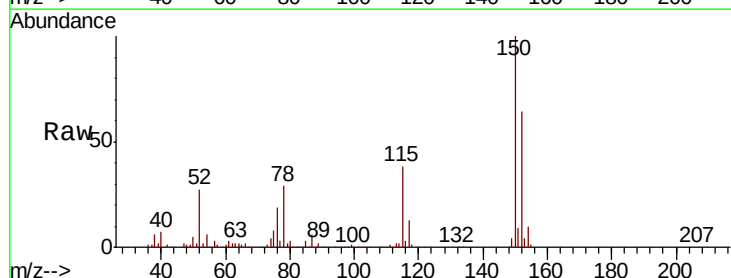
Instrument :
MSVOA_N
ClientSampleId :
T11-C4-(4)

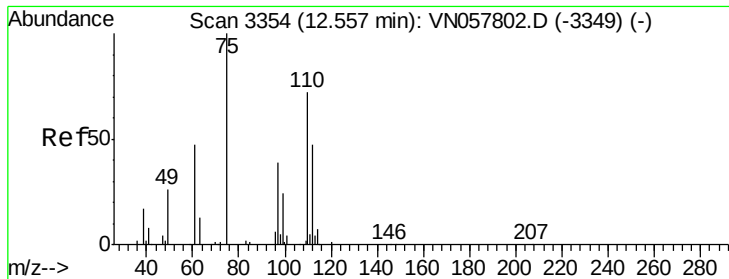
Tgt Ion:117 Resp: 442677
Ion Ratio Lower Upper
117 100
82 59.1 47.2 70.8
119 31.8 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Tgt Ion:152 Resp: 225942
Ion Ratio Lower Upper
152 100
115 60.8 30.3 91.0
150 158.3 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 31.388 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN057920.D

Acq: 11 Sep 2019 13:13

Instrument :

MSVOA_N

ClientSampled :

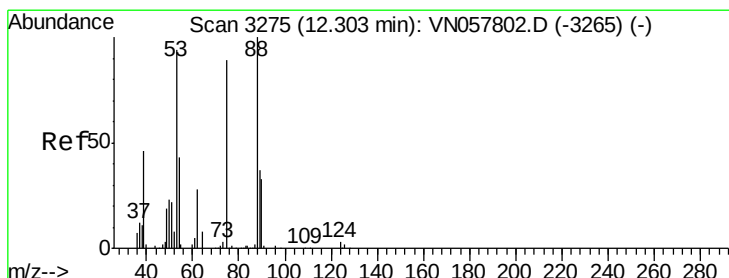
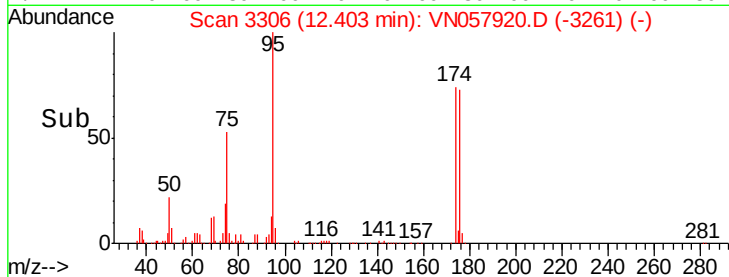
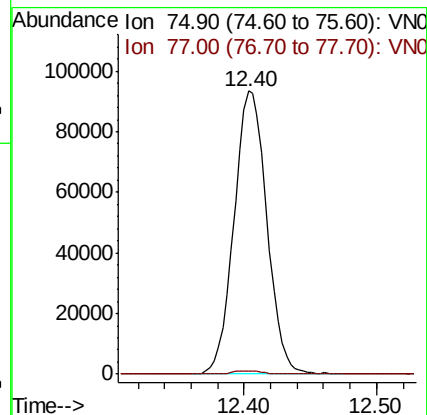
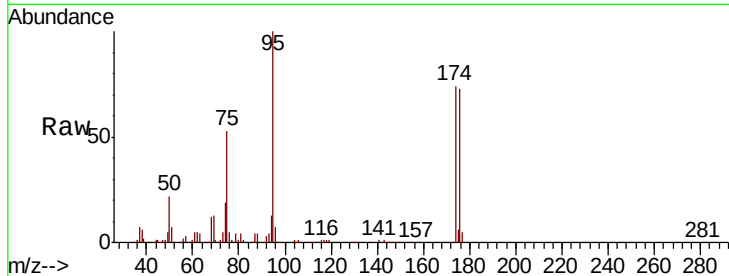
T11-C4-(4)

Tgt Ion: 75 Resp: 160429

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 110.454 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057920.D

Acq: 11 Sep 2019 13:13

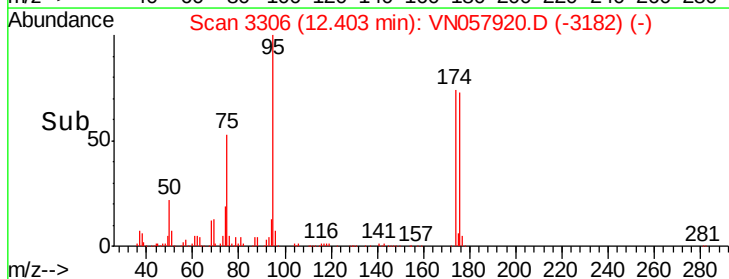
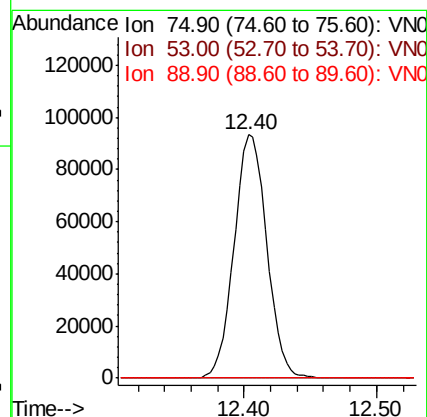
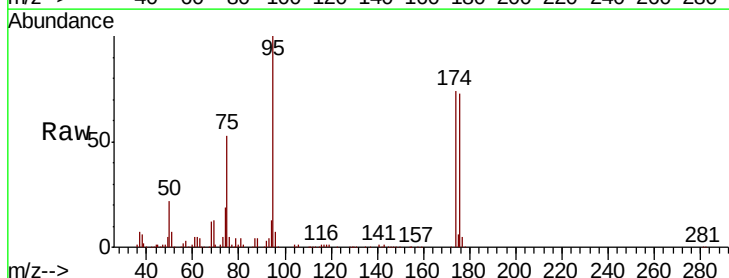
Tgt Ion: 75 Resp: 160429

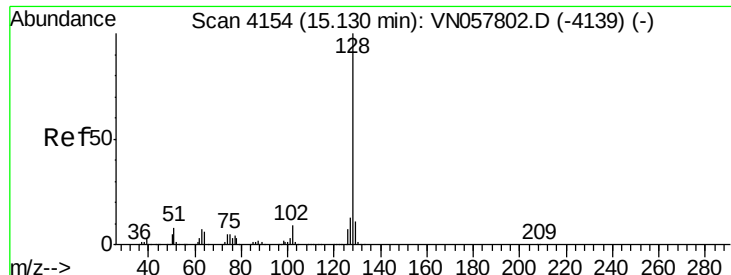
Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

89 0.0 35.3 52.9#





#95
Naphthalene
Concen: Below Cal
RT: 15.14 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN057920.D
Acq: 11 Sep 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
T11-C4-(4)

Tgt Ion:128 Resp: 726
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 12.8#

