

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091319\
 Data File : VN057996.D
 Acq On : 13 Sep 2019 1:37
 Operator : JC/SP
 Sample : K4644-26
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-E2-(0)

Quant Time: Sep 13 04:53:51 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	249982	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	441954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	385007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	194540	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	314211	62.06	ug/l	0.00
Spiked Amount			Recovery	=	124.12%	
35) Dibromofluoromethane	7.58	113	212488	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
50) Toluene-d8	10.09	98	752059	47.49	ug/l	0.00
Spiked Amount			Recovery	=	94.98%	
62) 4-Bromofluorobenzene	12.41	95	246548	40.85	ug/l	0.00
Spiked Amount			Recovery	=	81.70%	

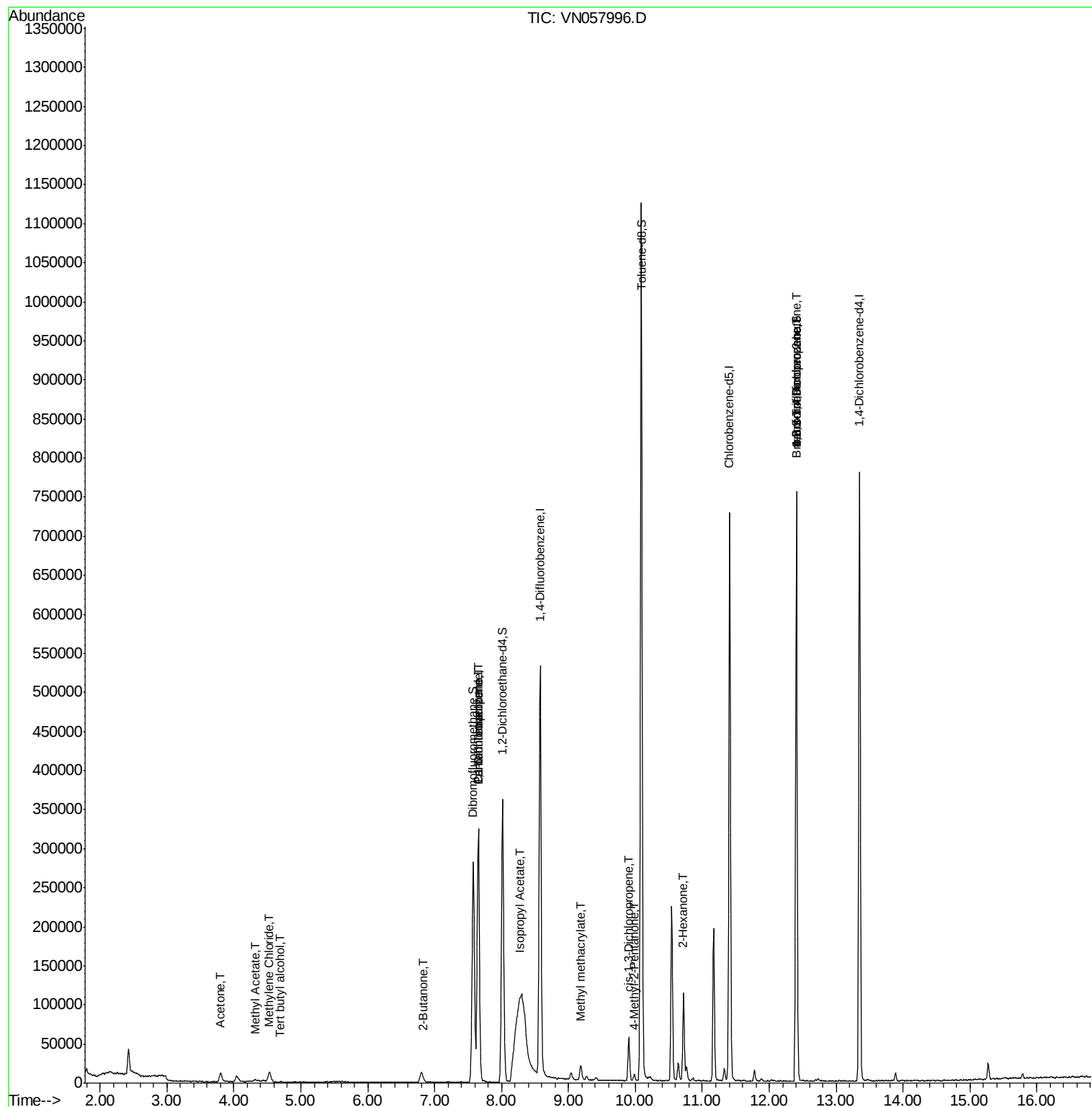
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	133	Below Cal	#	2
11) Tert butyl alcohol	4.69	59	137	0.224	ug/l #	72
16) Acetone	3.80	43	19876	11.975	ug/l	99
18) Methyl Acetate	4.31	43	4605	1.041	ug/l #	74
20) Methylene Chloride	4.53	84	9605	1.854	ug/l	86
25) 2-Butanone	6.83	43	2081	0.866	ug/l #	72
31) Cyclohexane	7.64	56	6508	Below Cal	#	45
36) 1,1-Dichloropropene	7.65	75	22528	4.395	ug/l #	51
38) Carbon Tetrachloride	7.65	117	27218	5.816	ug/l #	15
43) Isopropyl Acetate	8.27	43	186672	20.962	ug/l #	56
48) Methyl methacrylate	9.17	41	2017	0.446	ug/l #	47
51) 4-Methyl-2-Pentanone	9.99	43	6537	1.240	ug/l #	79
54) cis-1,3-Dichloropropene	9.90	75	9647	1.531	ug/l #	66
59) 2-Hexanone	10.72	43	92799	23.493	ug/l #	27
71) Bromoform	12.39	173	487	0.223	ug/l #	30
76) 1,2,3-Trichloropropane	12.41	75	138273	31.420	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	138273	110.567	ug/l #	6
95) Naphthalene	15.14	128	506	Below Cal	#	69

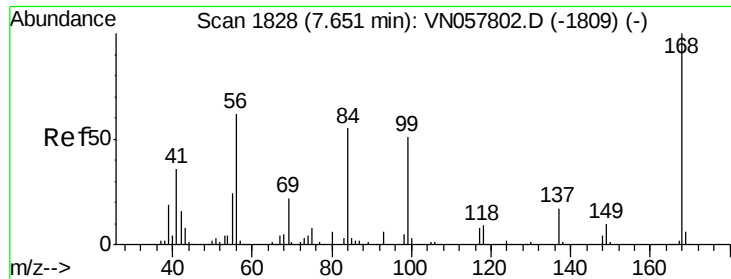
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN057996.D

Acq: 13 Sep 2019 1:37

Instrument :

MSVOA_N

ClientSampleId :

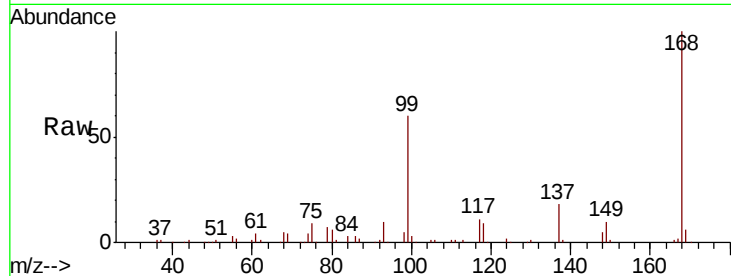
T11-E2-(0)

Tgt Ion:168 Resp: 249982

Ion Ratio Lower Upper

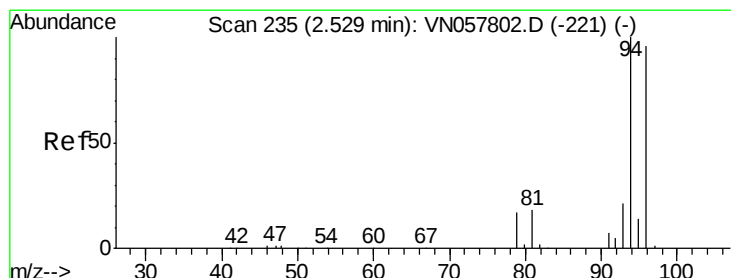
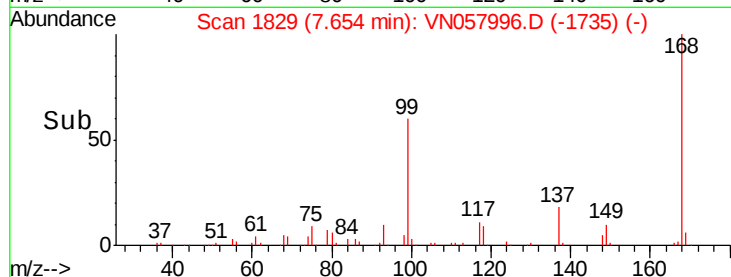
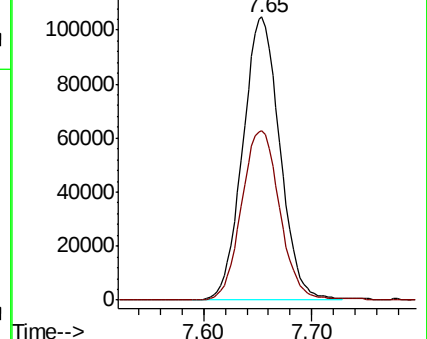
168 100

99 60.0 48.0 72.0



Abundance Ion 167.90 (167.60 to 168.60): VN057802.D (-1809) (-)

Ion 98.90 (98.60 to 99.60): VN057802.D (-1809) (-)



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057996.D

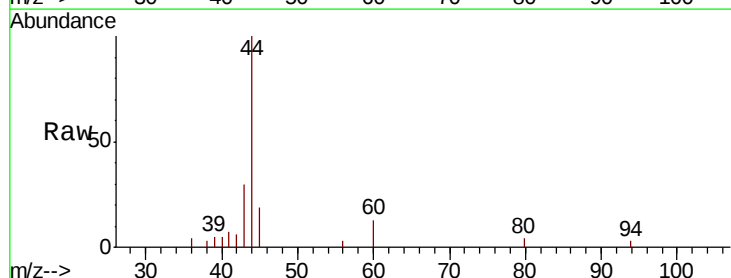
Acq: 13 Sep 2019 1:37

Tgt Ion: 94 Resp: 133

Ion Ratio Lower Upper

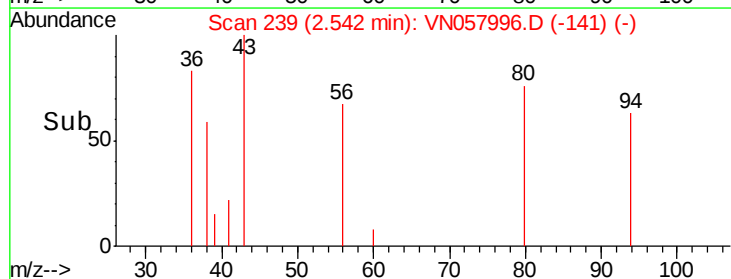
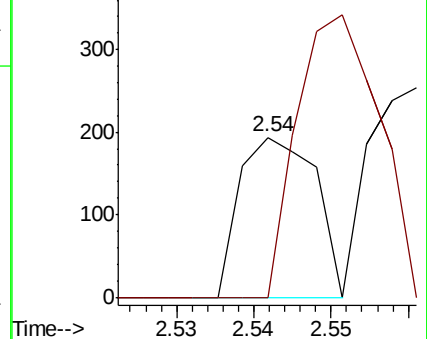
94 100

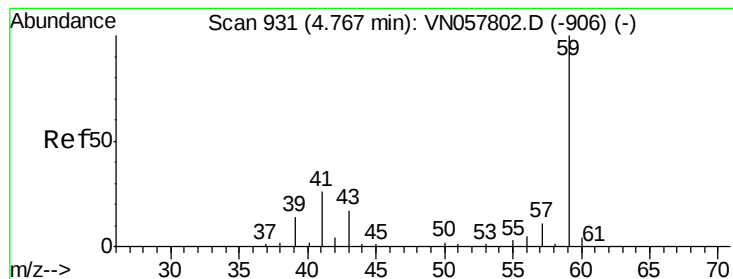
96 0.0 77.0 115.4#



Abundance Ion 93.90 (93.60 to 94.60): VN057802.D (-221) (-)

Ion 95.90 (95.60 to 96.60): VN057802.D (-221) (-)



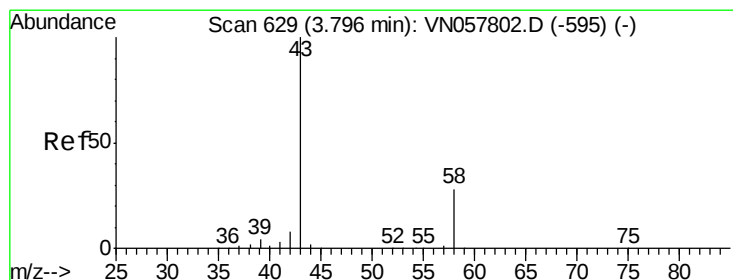
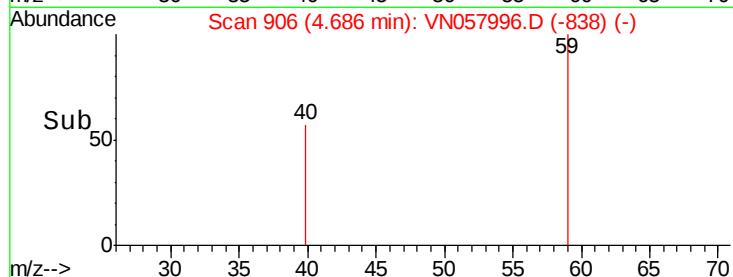
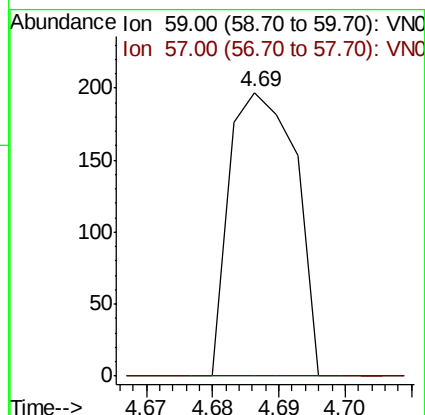
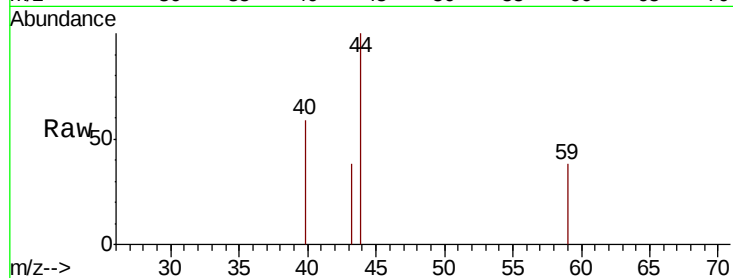


#11

Tert butyl alcohol
 Concen: 0.224 ug/l
 RT: 4.69 min Scan# 906
 Delta R.T. -0.08 min
 Lab File: VN057996.D
 Acq: 13 Sep 2019 1:37

Instrument :
 MSVOA_N
 ClientSampleId :
 T11-E2-(0)

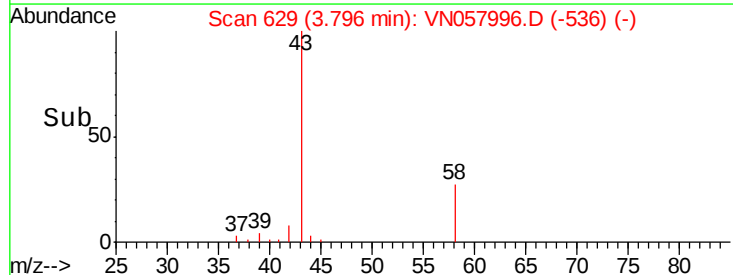
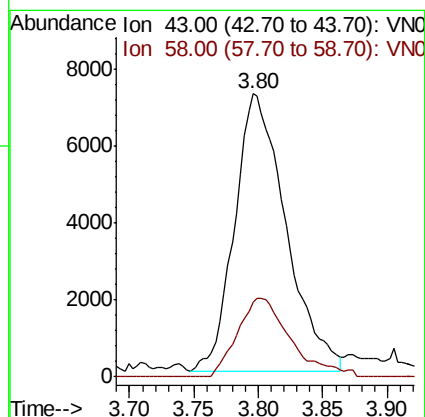
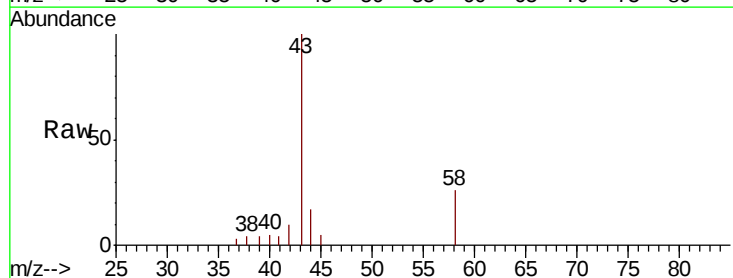
Tgt Ion: 59 Resp: 137
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

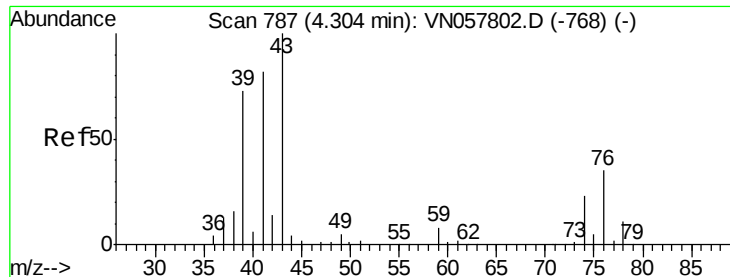


#16

Acetone
 Concen: 11.975 ug/l
 RT: 3.80 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN057996.D
 Acq: 13 Sep 2019 1:37

Tgt Ion: 43 Resp: 19876
 Ion Ratio Lower Upper
 43 100
 58 26.9 22.2 33.2

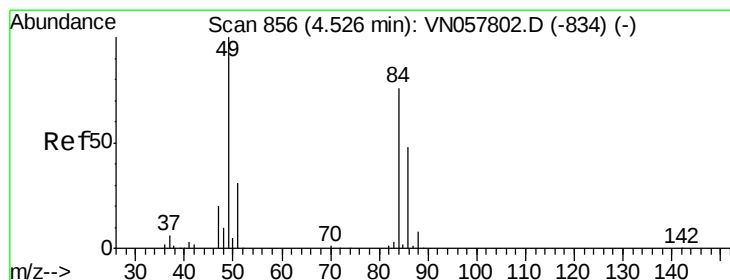
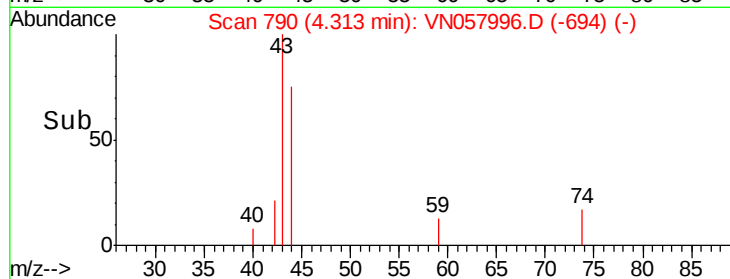
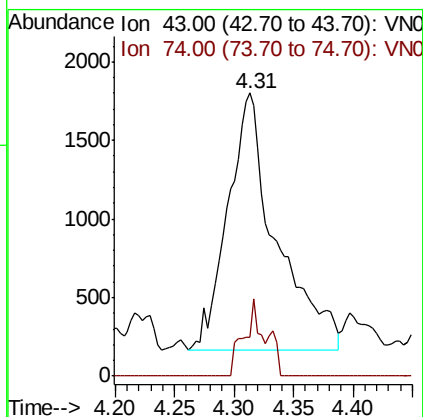
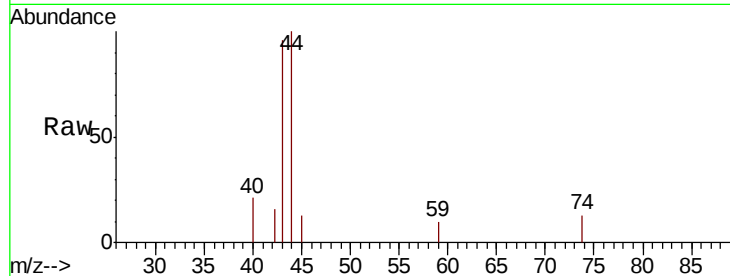




#18
Methyl Acetate
Concen: 1.041 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.01 min
Lab File: VN057996.D
Acq: 13 Sep 2019 1:37

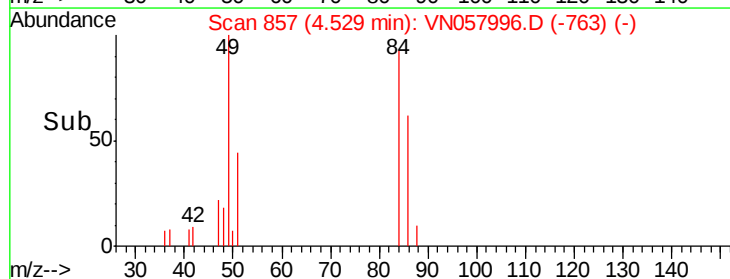
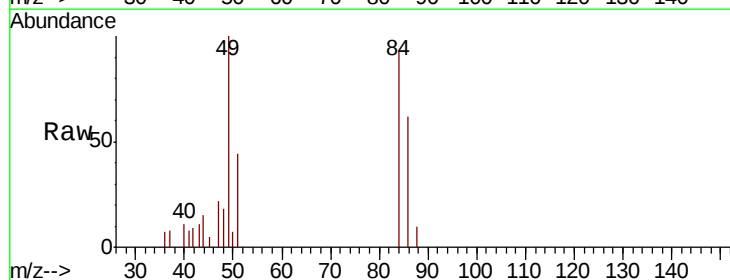
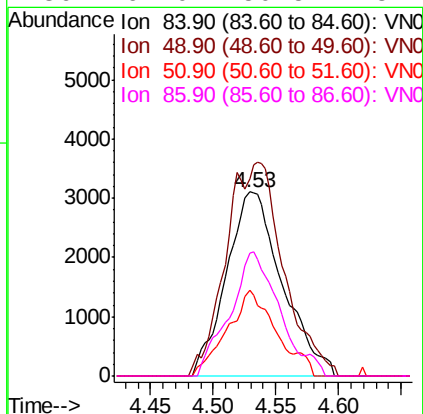
Instrument :
MSVOA_N
ClientSampleId :
T11-E2-(0)

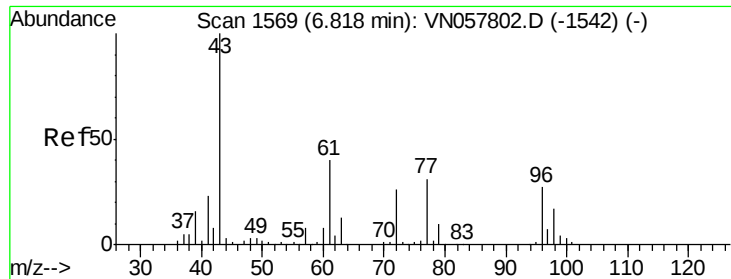
Tgt Ion: 43 Resp: 4605
Ion Ratio Lower Upper
43 100
74 10.1 17.9 26.9#



#20
Methylene Chloride
Concen: 1.854 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN057996.D
Acq: 13 Sep 2019 1:37

Tgt Ion: 84 Resp: 9605
Ion Ratio Lower Upper
84 100
49 107.2 104.8 157.2
51 46.9 33.0 49.4
86 67.0 50.5 75.7





#25

2-Butanone

Concen: 0.866 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN057996.D

Acq: 13 Sep 2019 1:37

Instrument :

MSVOA_N

ClientSampleId :

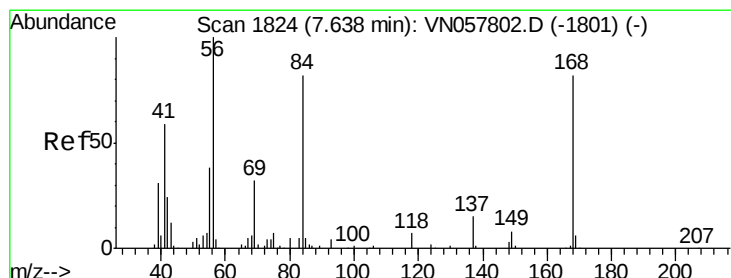
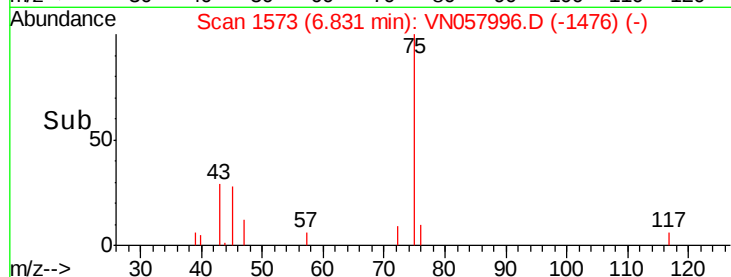
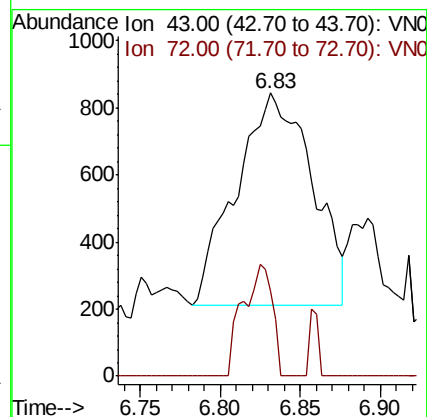
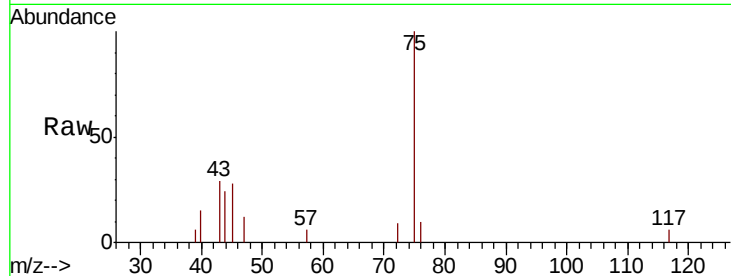
T11-E2-(0)

Tgt Ion: 43 Resp: 2081

Ion Ratio Lower Upper

43 100

72 40.0 20.6 30.8#



#31

Cyclohexane

Concen: Below Cal

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN057996.D

Acq: 13 Sep 2019 1:37

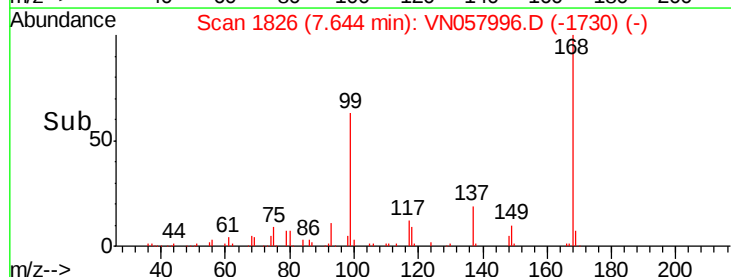
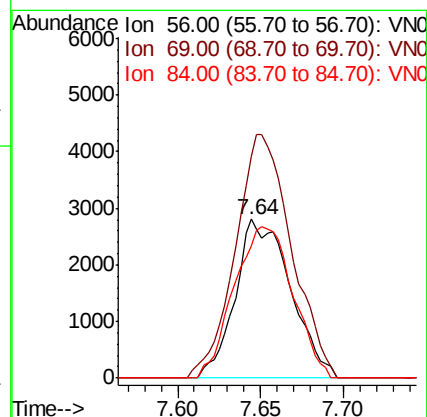
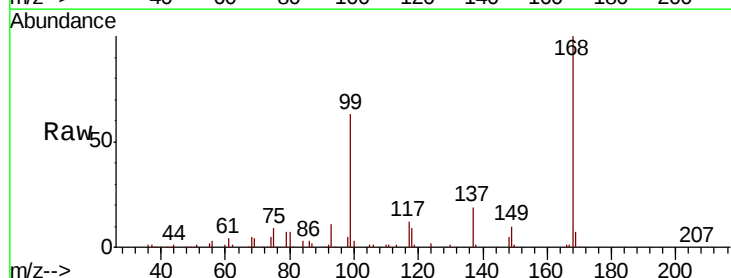
Tgt Ion: 56 Resp: 6508

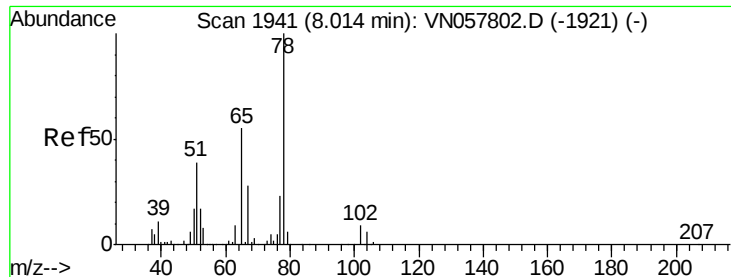
Ion Ratio Lower Upper

56 100

69 139.7 25.9 38.9#

84 83.4 65.6 98.4

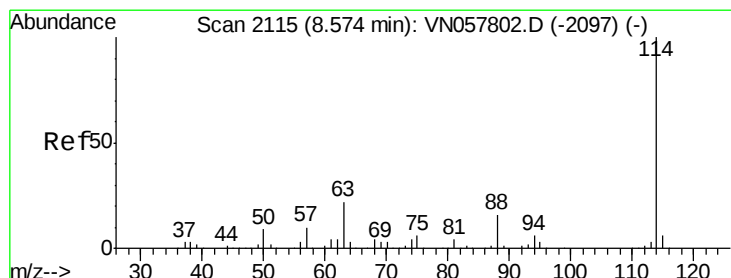
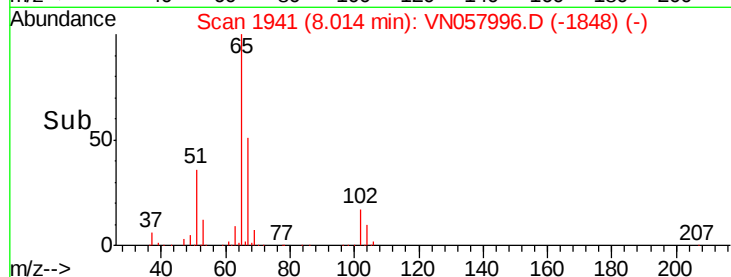
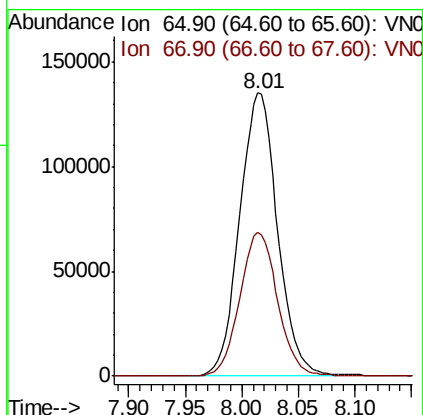
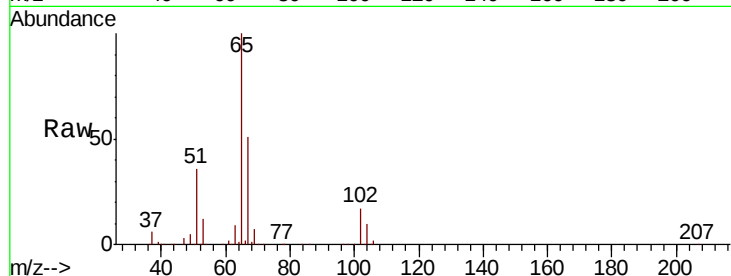




#33
 1,2-Dichloroethane-d4
 Concen: 62.058 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057996.D
 Acq: 13 Sep 2019 1:37

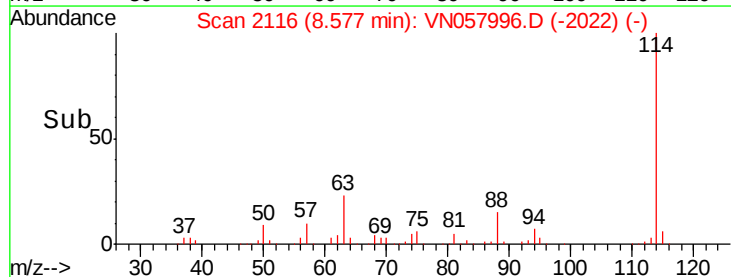
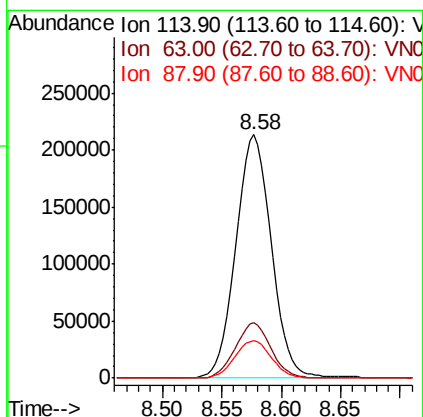
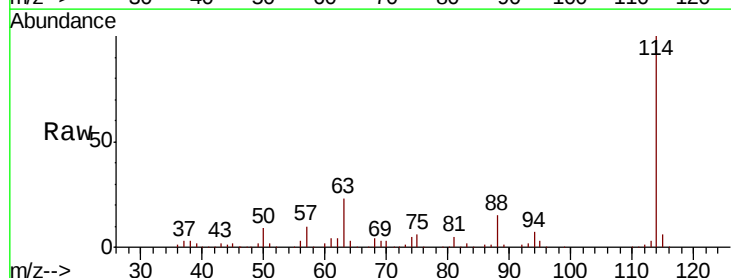
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 T11-E2-(0)

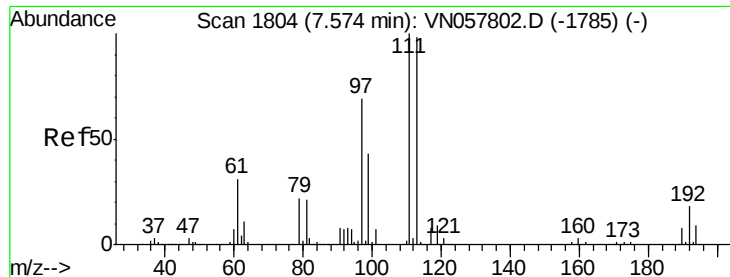
Tgt Ion: 65 Resp: 314211
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057996.D
 Acq: 13 Sep 2019 1:37

Tgt Ion: 114 Resp: 441954
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 44.0
 88 15.2 0.0 31.4

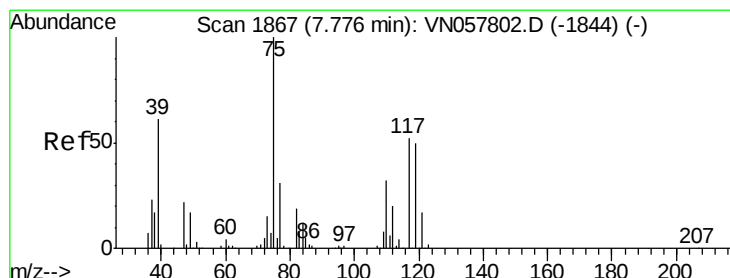
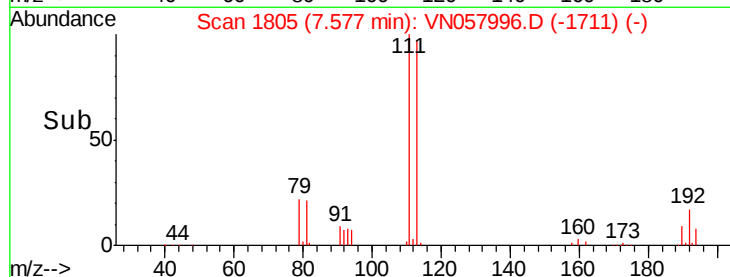
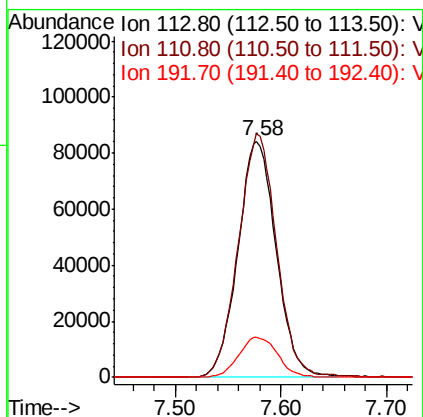
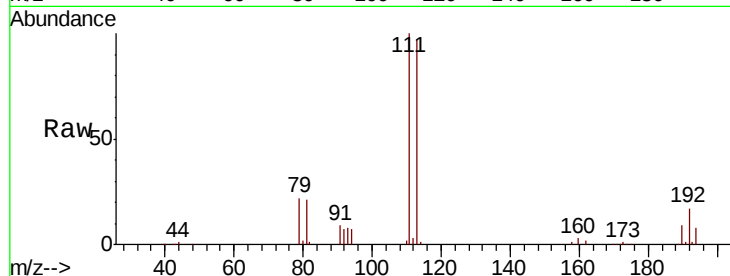




#35
 Dibromofluoromethane
 Concen: 52.092 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057996.D
 Acq: 13 Sep 2019 1:37

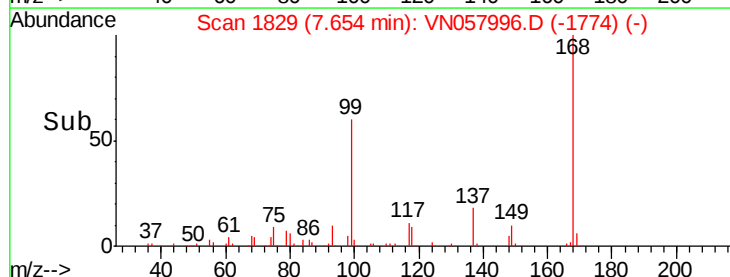
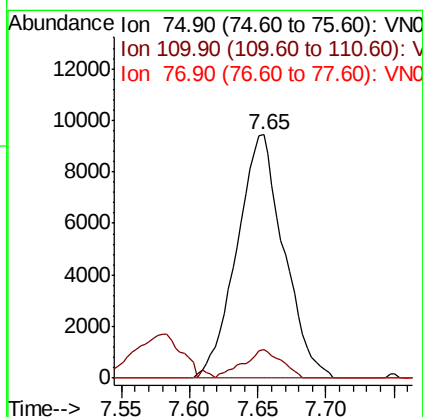
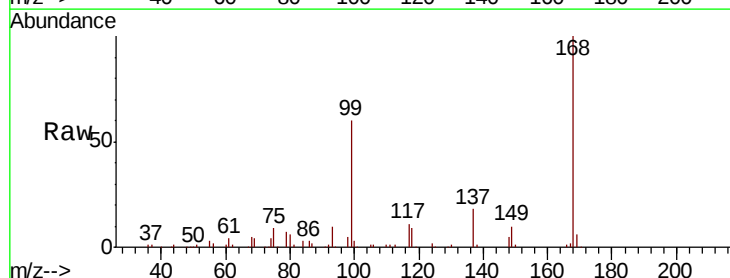
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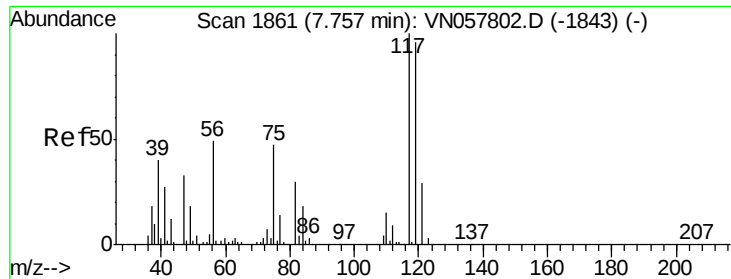
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.3	121.9
192	17.4	14.6	22.0



#36
 1,1-Dichloropropene
 Concen: 4.395 ug/l
 RT: 7.65 min Scan# 1829
 Delta R.T. -0.12 min
 Lab File: VN057996.D
 Acq: 13 Sep 2019 1:37

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.5	16.3	48.9#
77	0.0	25.0	37.4#

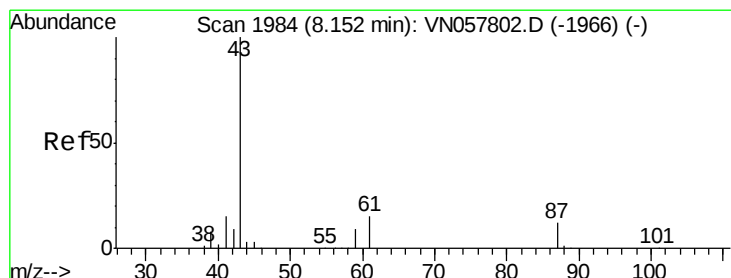
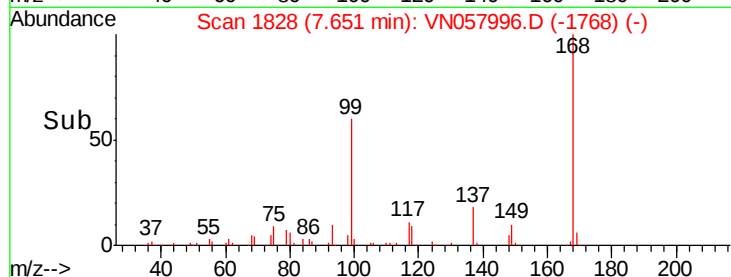
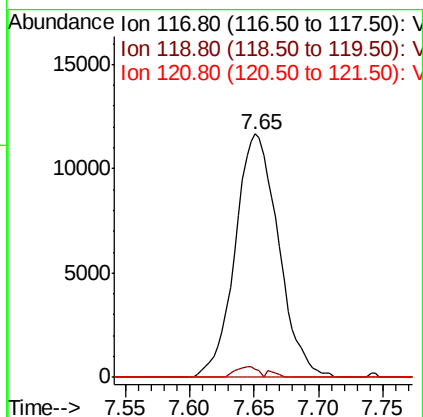
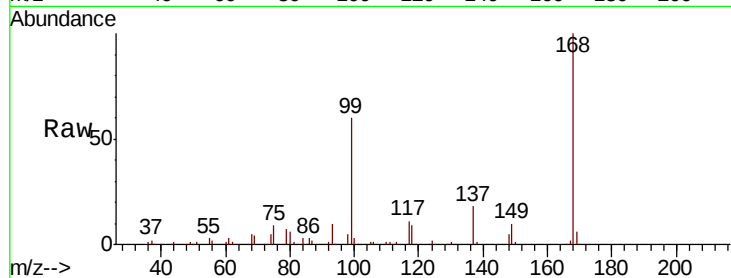




#38
Carbon Tetrachloride
Concen: 5.816 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.11 min
Lab File: VN057996.D
Acq: 13 Sep 2019 1:37

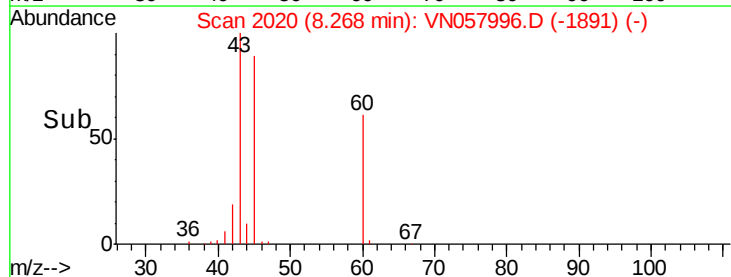
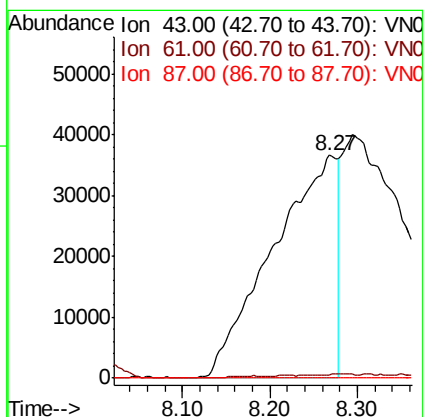
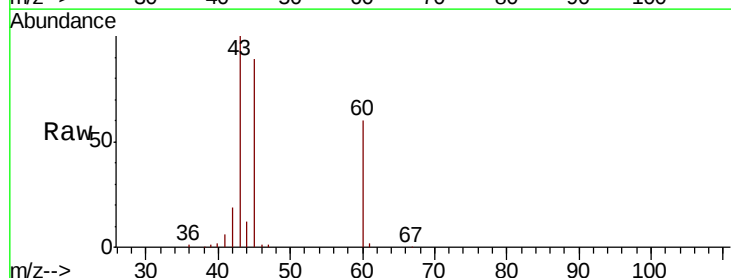
Instrument :
MSVOA_N
ClientSampleId :
T11-E2-(0)

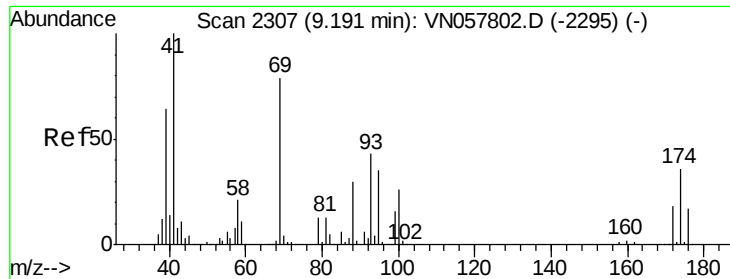
Tgt Ion: 117 Resp: 27218
Ion Ratio Lower Upper
117 100
119 3.5 76.9 115.3#
121 0.0 23.4 35.2#



#43
Isopropyl Acetate
Concen: 20.962 ug/l
RT: 8.27 min Scan# 2020
Delta R.T. 0.12 min
Lab File: VN057996.D
Acq: 13 Sep 2019 1:37

Tgt Ion: 43 Resp: 186672
Ion Ratio Lower Upper
43 100
61 0.2 20.1 30.1#
87 0.0 9.5 14.3#

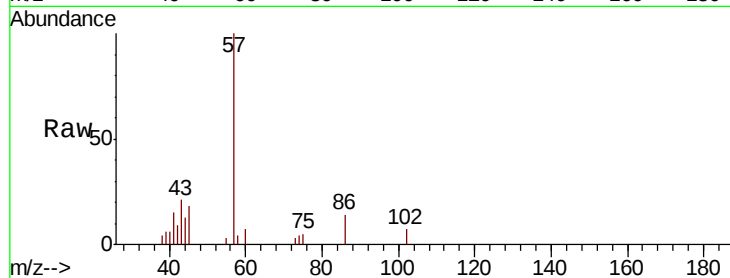




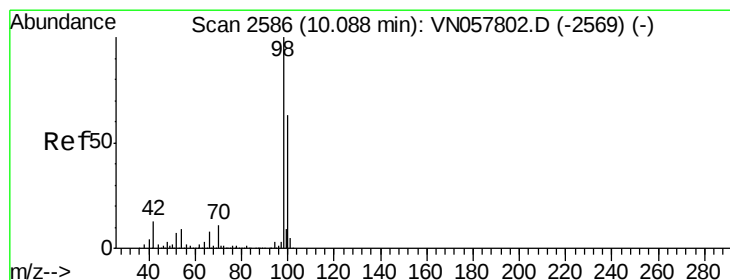
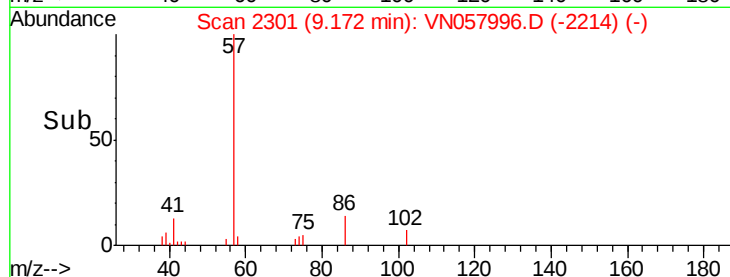
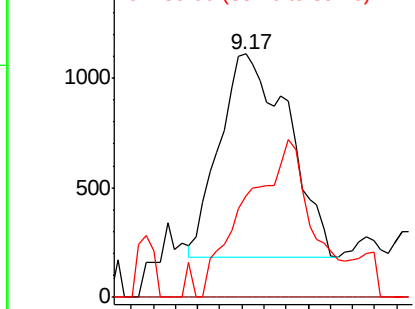
#48
Methyl methacrylate
Concen: 0.446 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. -0.02 min
Lab File: VN057996.D
Acq: 13 Sep 2019 1:37

Instrument :
MSVOA_N
ClientSampleId :
T11-E2-(0)

Tgt Ion: 41 Resp: 2017
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 73.6 52.7 79.1

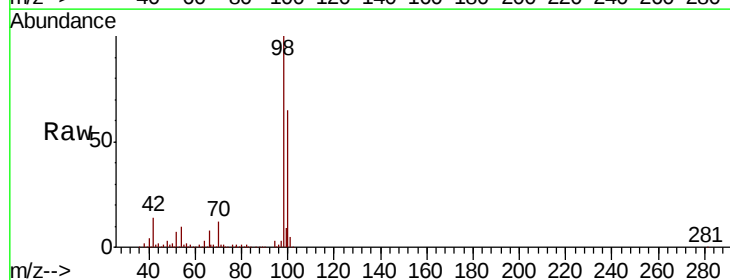


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

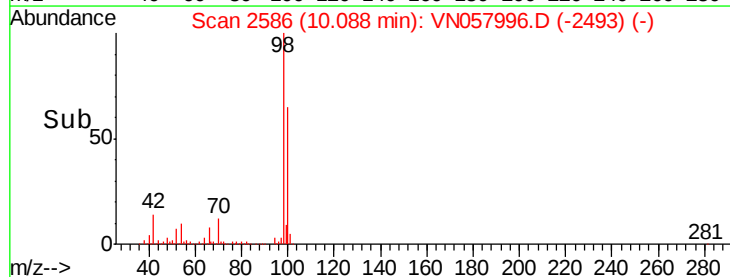
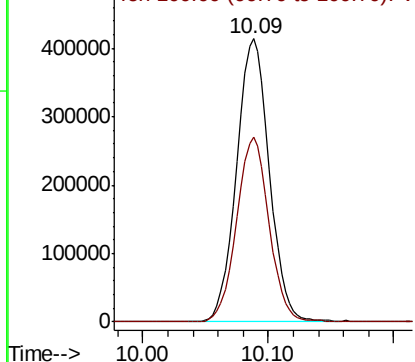


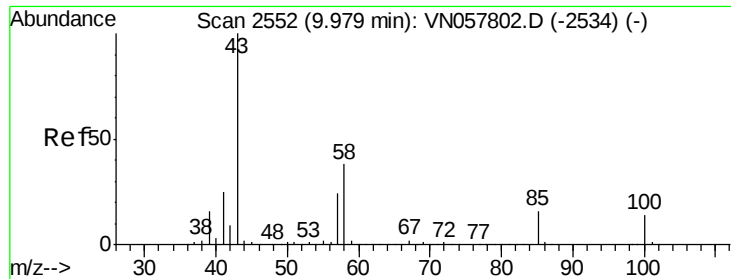
#50
Toluene-d8
Concen: 47.487 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. 0.00 min
Lab File: VN057996.D
Acq: 13 Sep 2019 1:37

Tgt Ion: 98 Resp: 752059
Ion Ratio Lower Upper
98 100
100 64.6 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: 1.240 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.01 min

Lab File: VN057996.D

Acq: 13 Sep 2019 1:37

Instrument :

MSVOA_N

ClientSampled :

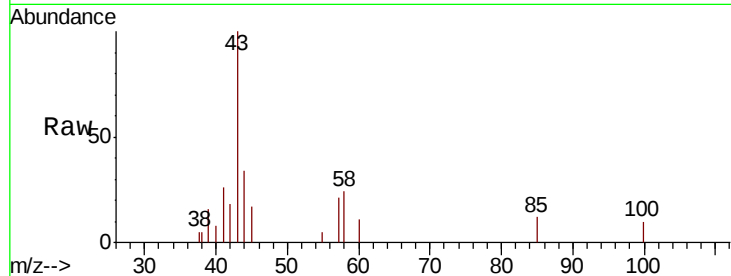
T11-E2-(0)

Tgt Ion: 43 Resp: 6537

Ion Ratio Lower Upper

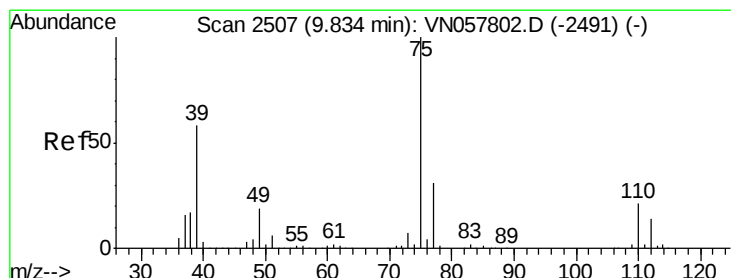
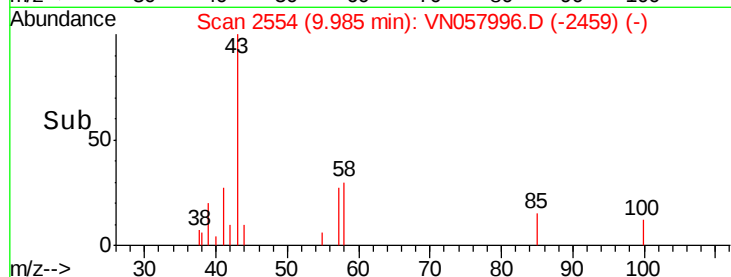
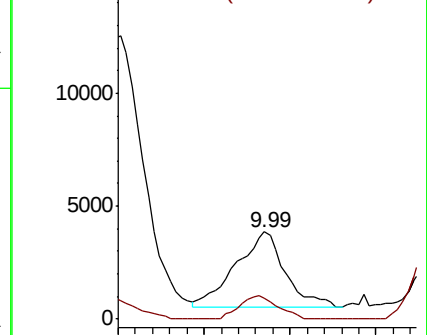
43 100

58 24.4 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: 1.531 ug/l

RT: 9.90 min Scan# 2528

Delta R.T. 0.07 min

Lab File: VN057996.D

Acq: 13 Sep 2019 1:37

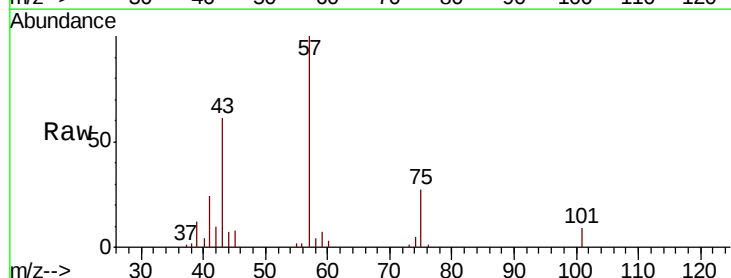
Tgt Ion: 75 Resp: 9647

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

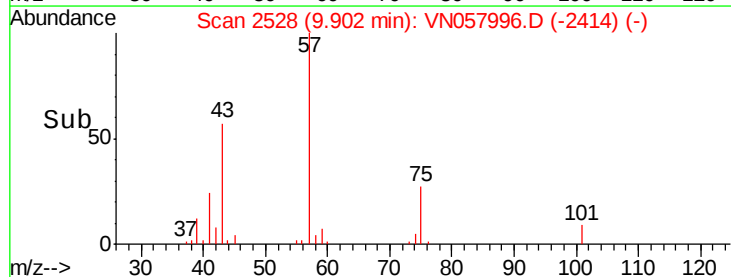
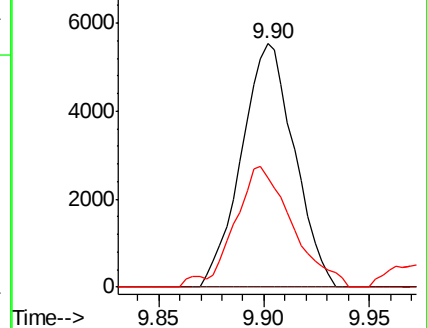
39 41.2 46.2 69.4#

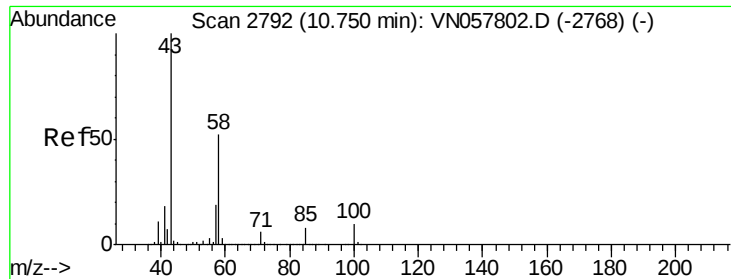


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

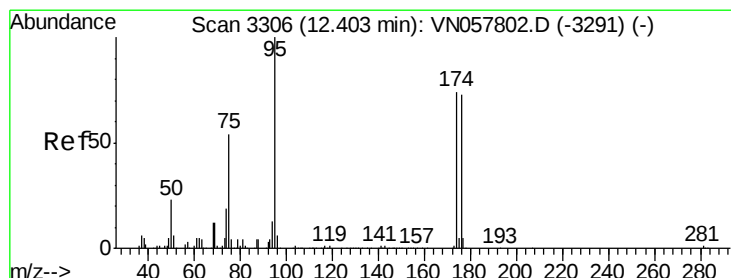
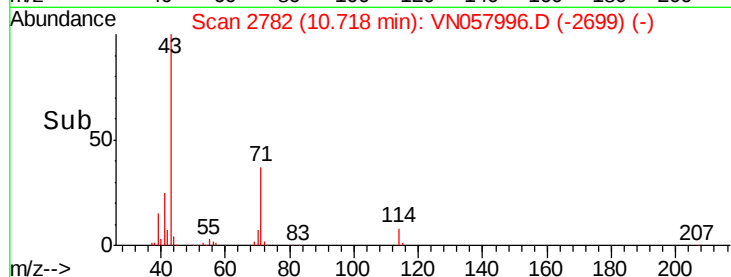
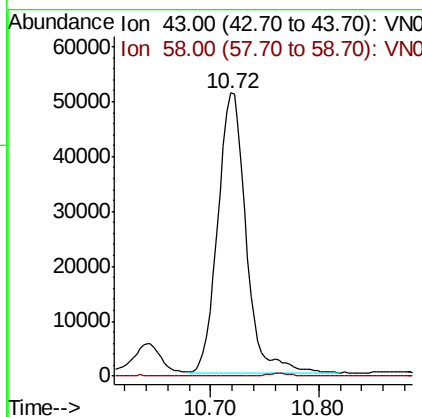
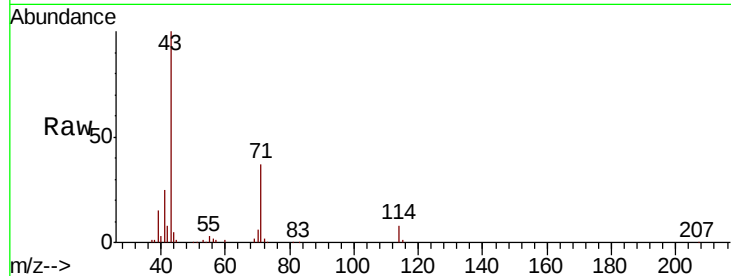




#59
2-Hexanone
Concen: 23.493 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN057996.D
Acq: 13 Sep 2019 1:37

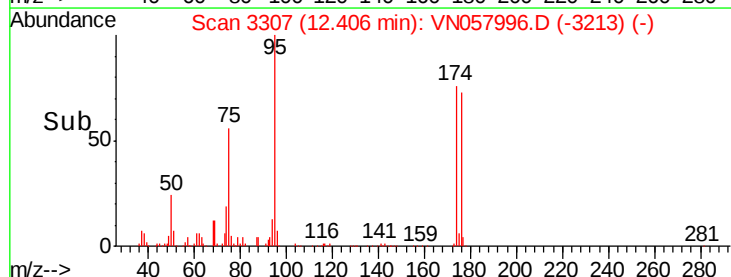
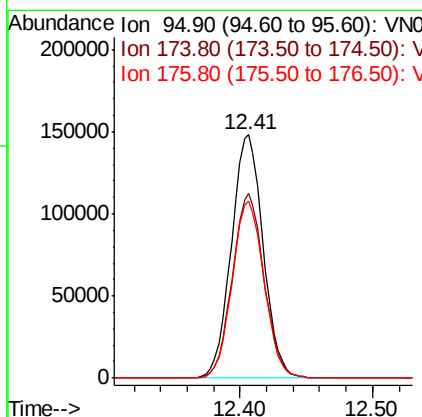
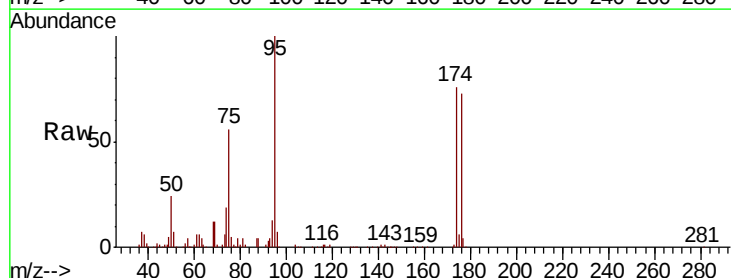
Instrument :
MSVOA_N
ClientSampleId :
T11-E2-(0)

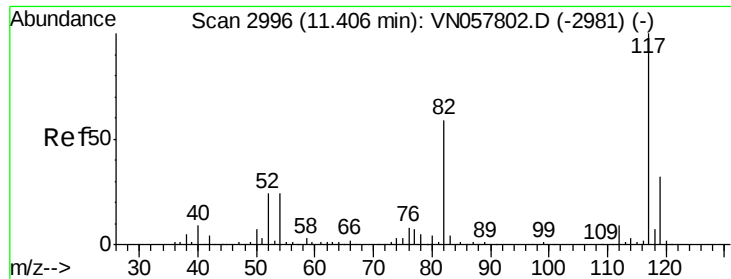
Tgt Ion: 43 Resp: 92799
Ion Ratio Lower Upper
43 100
58 0.0 25.6 76.8#



#62
4-Bromofluorobenzene
Concen: 40.851 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.00 min
Lab File: VN057996.D
Acq: 13 Sep 2019 1:37

Tgt Ion: 95 Resp: 246548
Ion Ratio Lower Upper
95 100
174 75.7 0.0 150.2
176 73.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN057996.D

Acq: 13 Sep 2019 1:37

Instrument :

MSVOA_N

ClientSampleId :

T11-E2-(0)

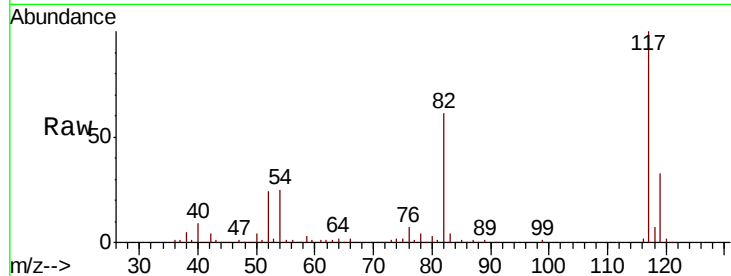
Tgt Ion:117 Resp: 385007

Ion Ratio Lower Upper

117 100

82 60.7 47.2 70.8

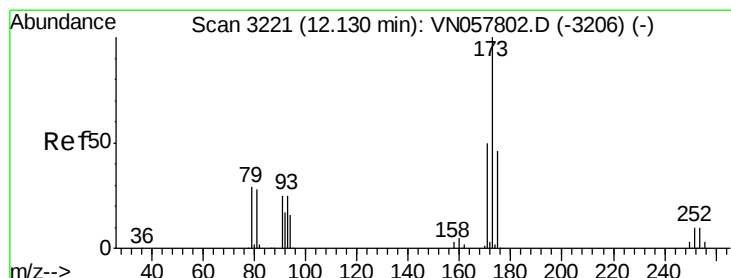
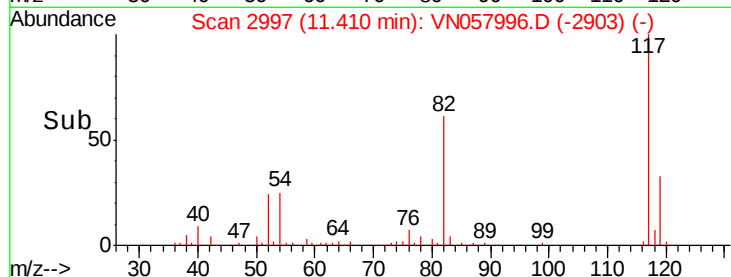
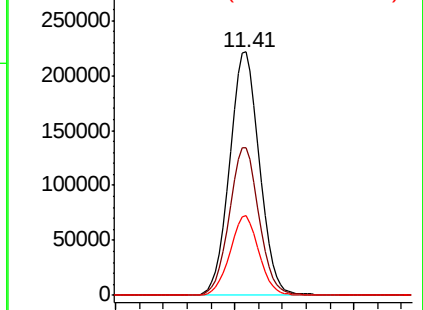
119 32.6 25.3 37.9



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



#71

Bromoform

Concen: 0.223 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN057996.D

Acq: 13 Sep 2019 1:37

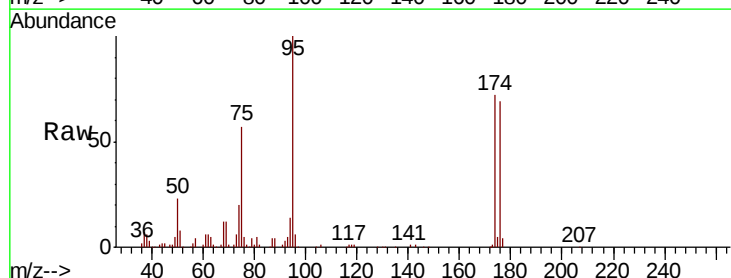
Tgt Ion:173 Resp: 487

Ion Ratio Lower Upper

173 100

175 0.0 23.5 70.6#

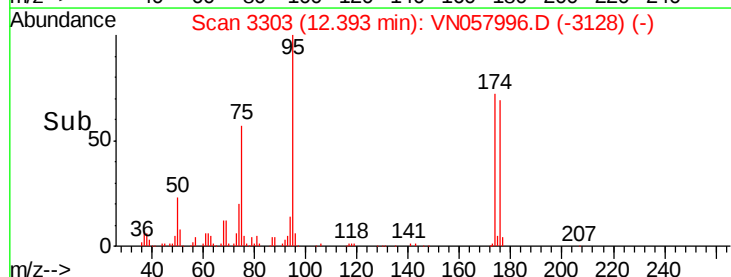
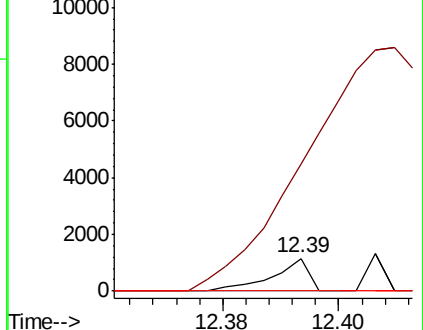
254 0.0 0.1 0.1#

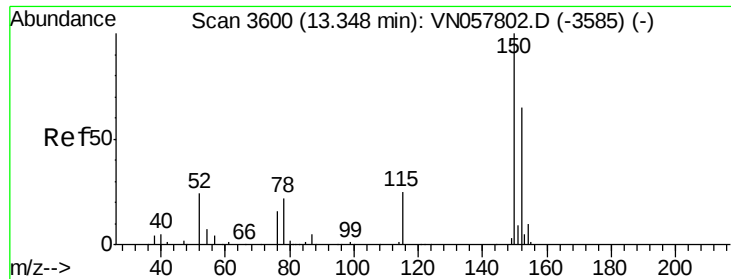


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN057996.D

Acq: 13 Sep 2019 1:37

Instrument :

MSVOA_N

ClientSampleId :

T11-E2-(0)

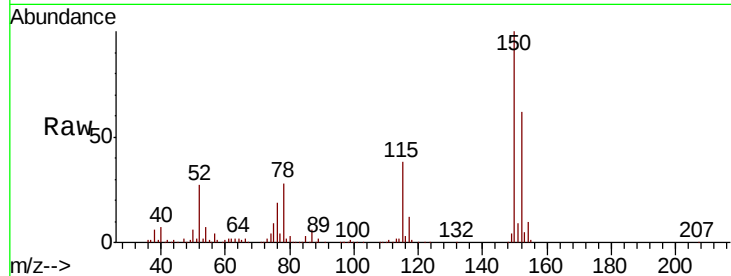
Tgt Ion: 152 Resp: 194540

Ion Ratio Lower Upper

152 100

115 60.4 30.3 91.0

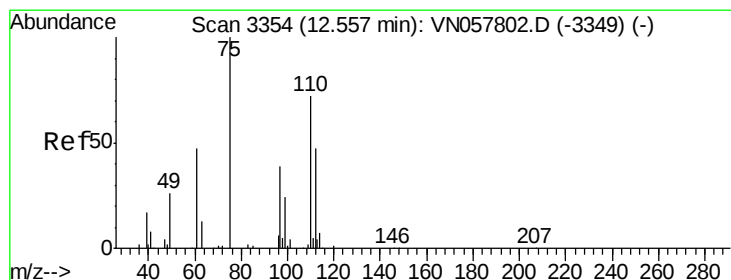
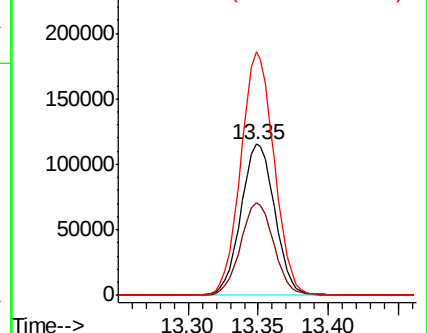
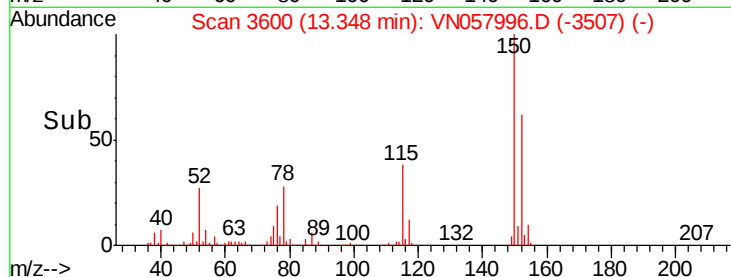
150 159.0 0.0 352.4



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: 31.420 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN057996.D

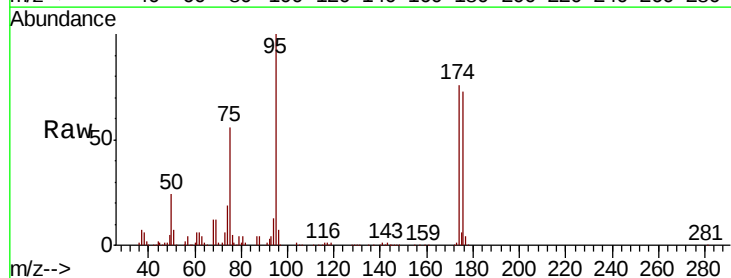
Acq: 13 Sep 2019 1:37

Tgt Ion: 75 Resp: 138273

Ion Ratio Lower Upper

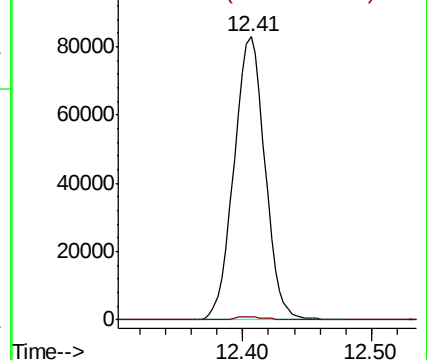
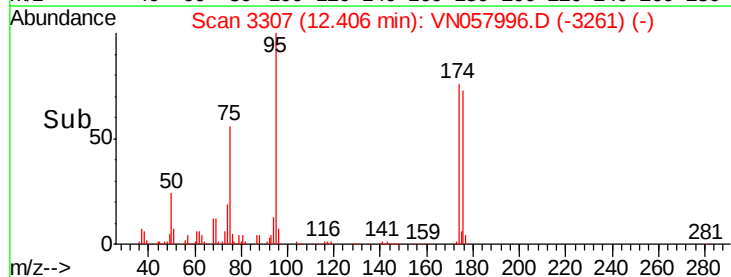
75 100

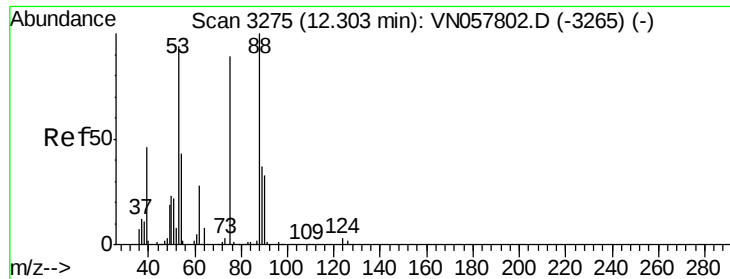
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 110.567 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN057996.D

Acq: 13 Sep 2019 1:37

Instrument :

MSVOA_N

ClientSampled :

T11-E2-(0)

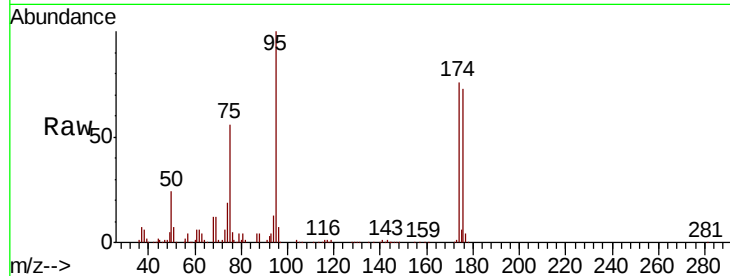
Tgt Ion: 75 Resp: 138273

Ion Ratio Lower Upper

75 100

53 0.0 88.4 132.6#

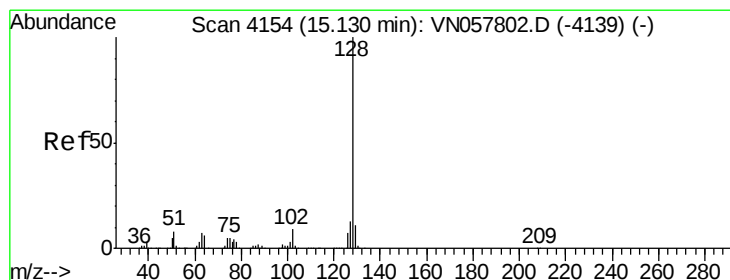
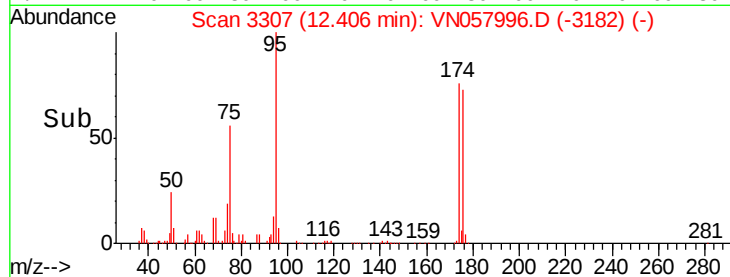
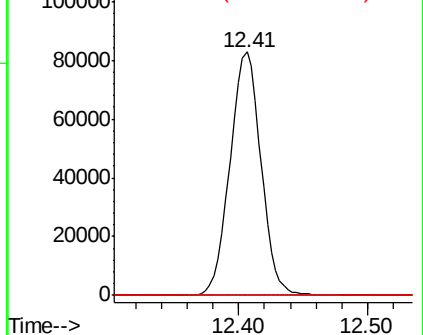
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN057802.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN057802.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN057802.D (-3265) (-)



#95

Naphthalene

Concen: Below Cal

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN057996.D

Acq: 13 Sep 2019 1:37

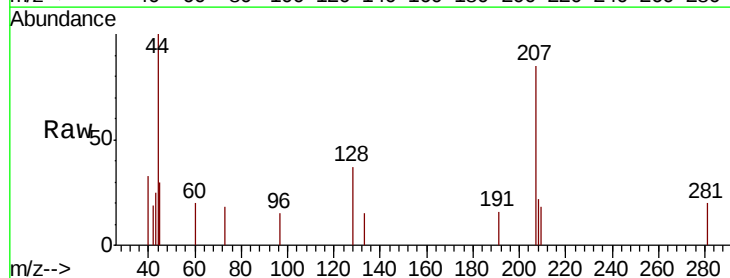
Tgt Ion: 128 Resp: 506

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN057802.D (-4139) (-)

Ion 127.00 (126.70 to 127.70): VN057802.D (-4139) (-)

Ion 129.00 (128.70 to 129.70): VN057802.D (-4139) (-)

