

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041320\
 Data File : VN060918.D
 Acq On : 13 Apr 2020 23:13
 Operator : JC/MD
 Sample : L2199-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-39-38-COMP

Quant Time: Apr 14 07:25:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 08:49:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	143477	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	243523	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	230549	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	104545	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	96001	48.74	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.48%	
35) Dibromofluoromethane	7.56	113	72105	48.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.94%	
50) Toluene-d8	10.08	98	302615	50.31	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	100.62%	
62) 4-Bromofluorobenzene	12.40	95	114223	51.82	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.64%	

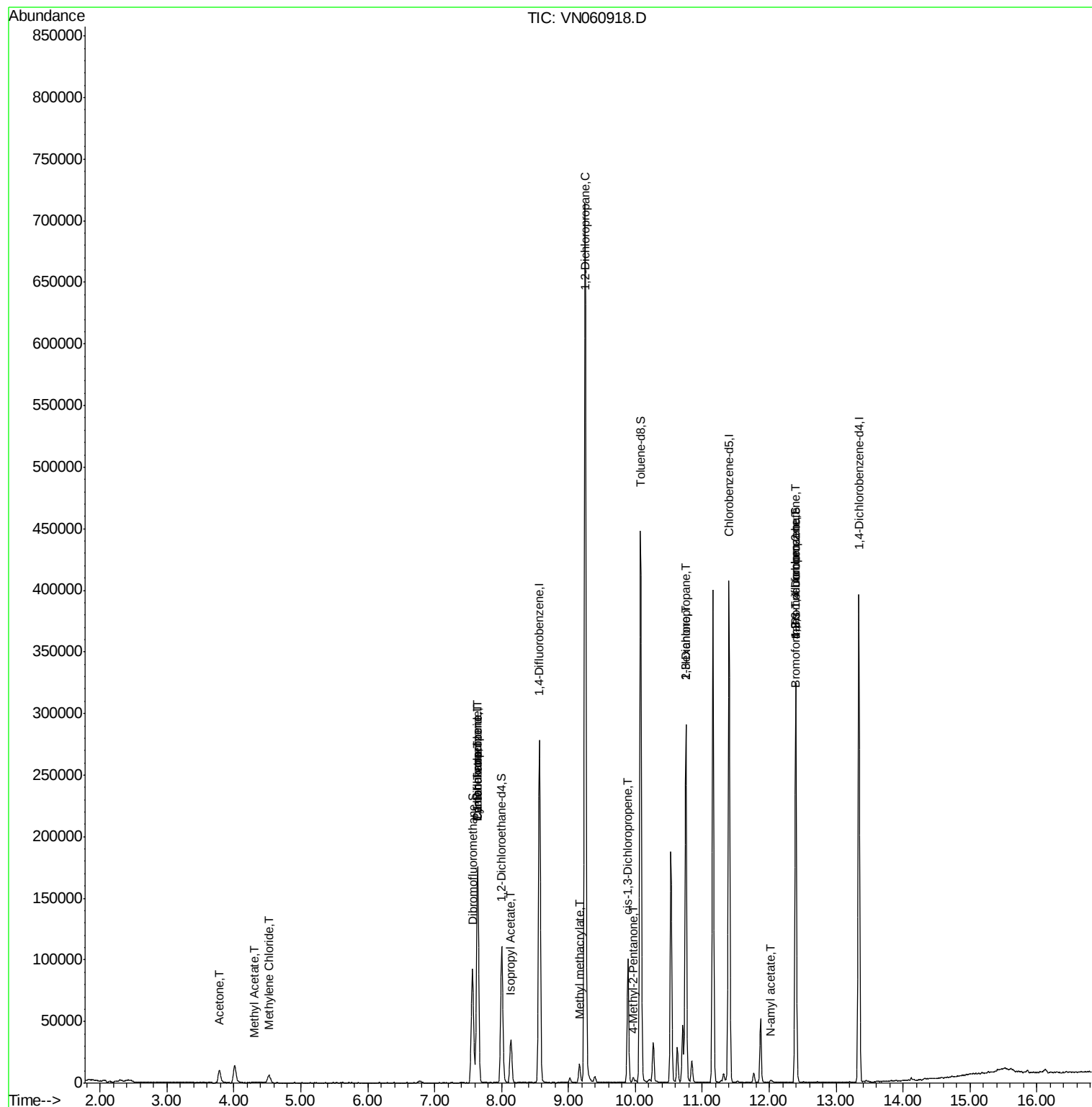
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	18845	27.011	ug/l	97
18) Methyl Acetate	4.30	43	1371	0.698	ug/l #	54
20) Methylene Chloride	4.53	84	5179	3.018	ug/l	97
31) Cyclohexane	7.64	56	3053	0.962	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11503	4.878	ug/l #	49
38) Carbon Tetrachloride	7.64	117	13607	6.438	ug/l #	16
43) Isopropyl Acetate	8.14	43	43072	10.250	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	725	0.386	ug/l #	43
48) Methyl methacrylate	9.16	41	2281	1.219	ug/l #	15
51) 4-Methyl-2-Pentanone	9.97	43	3386	1.416	ug/l #	80
54) cis-1,3-Dichloropropene	9.89	75	17351	5.835	ug/l #	60
57) 1,3-Dichloropropane	10.75	76	2908	1.013	ug/l #	42
59) 2-Hexanone	10.75	43	44033	25.564	ug/l #	51
71) Bromoform	12.38	173	34	1.704	ug/l #	29
74) N-amyl acetate	12.02	43	2428	0.670	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	58304	25.846	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	58304	66.379	ug/l #	13

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

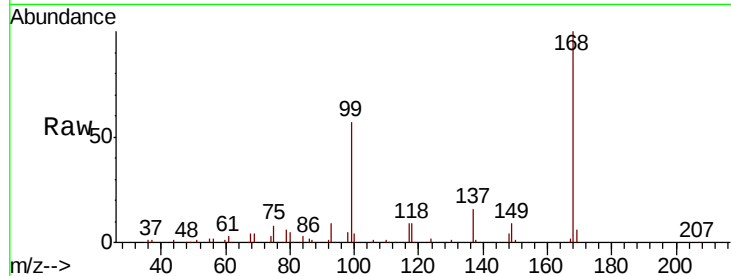
TP-39-38-COMP

Tot Ion:168 Resp: 143477

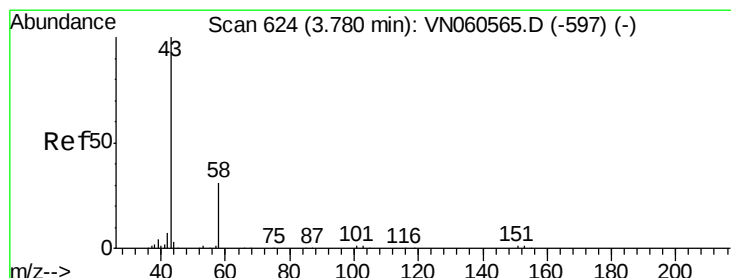
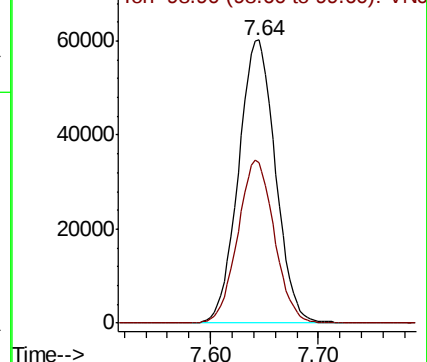
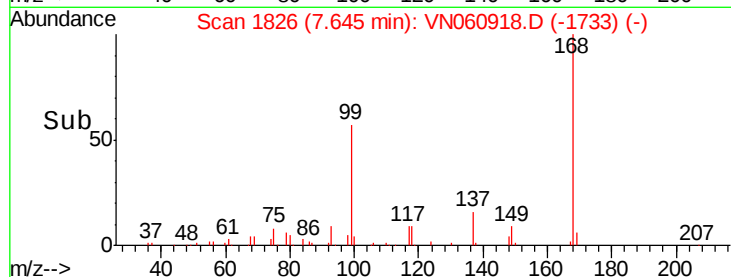
Ion Ratio Lower Upper

168 100

99 56.6 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): VN060918.D (-1733) (-)



#16

Acetone

Concen: 27.011 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060918.D

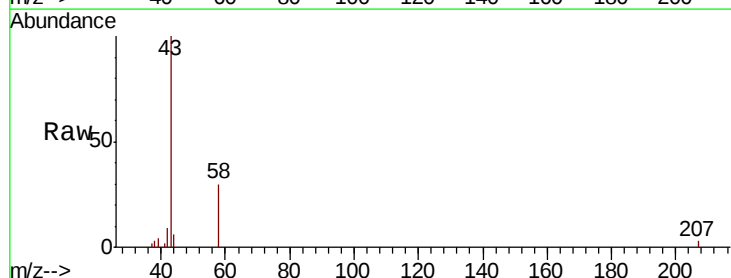
Acq: 13 Apr 2020 23:13

Tgt Ion: 43 Resp: 18845

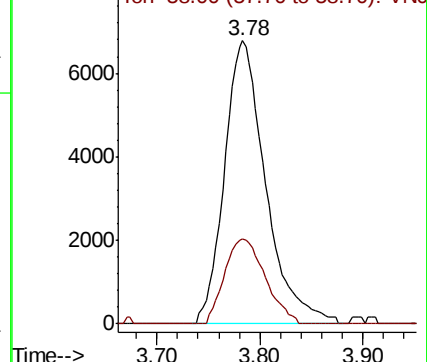
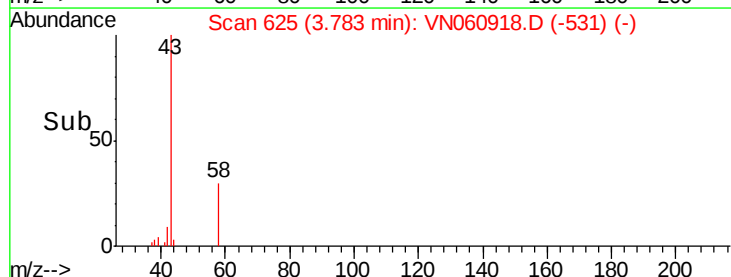
Ion Ratio Lower Upper

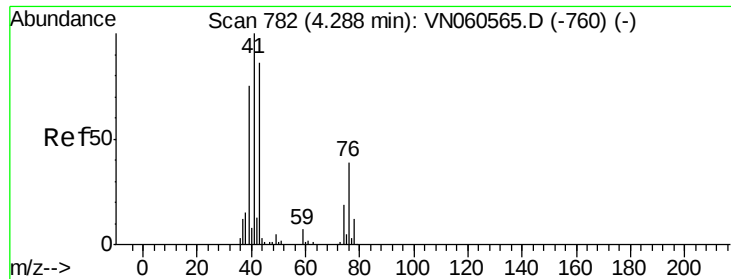
43 100

58 29.8 25.1 37.7



Abundance Ion 43.00 (42.70 to 43.70): VN060918.D (-531) (-)

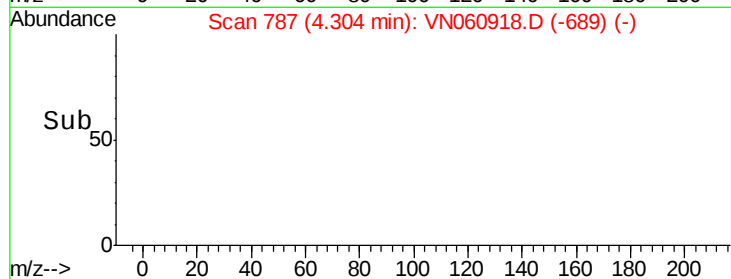
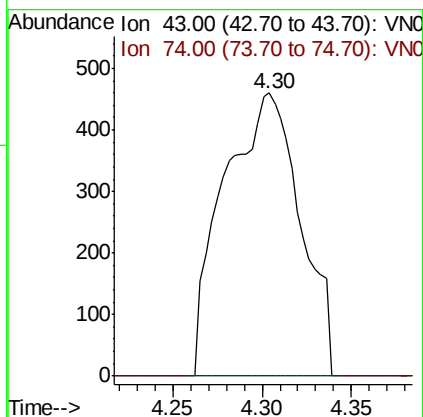
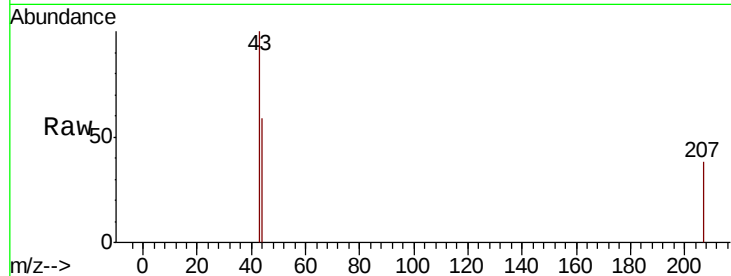




#18
Methyl Acetate
Concen: 0.698 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.02 min
Lab File: VN060918.D
Acq: 13 Apr 2020 23:13

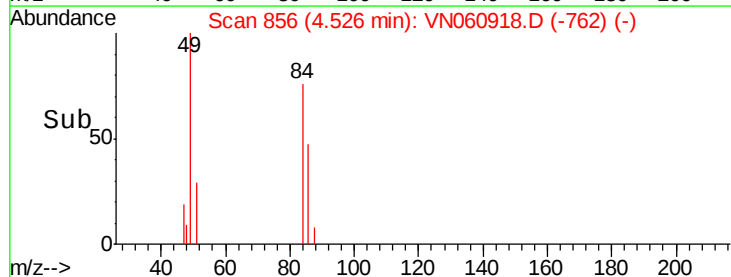
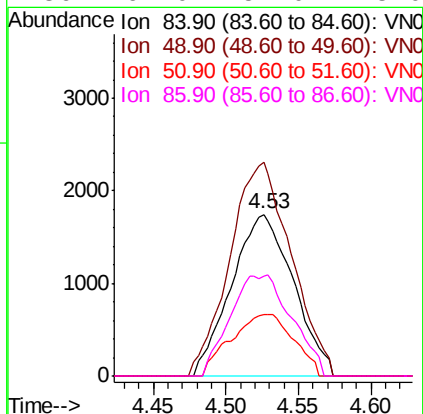
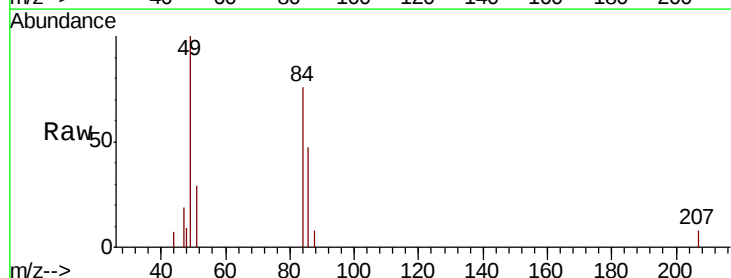
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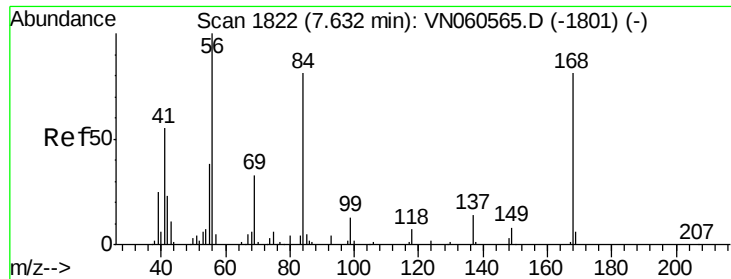
Tot Ion: 43 Resp: 1371
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#



#20
Methylene Chloride
Concen: 3.018 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060918.D
Acq: 13 Apr 2020 23:13

Tgt Ion: 84 Resp: 5179
Ion Ratio Lower Upper
84 100
49 132.3 103.3 154.9
51 37.9 31.6 47.4
86 62.0 52.0 78.0

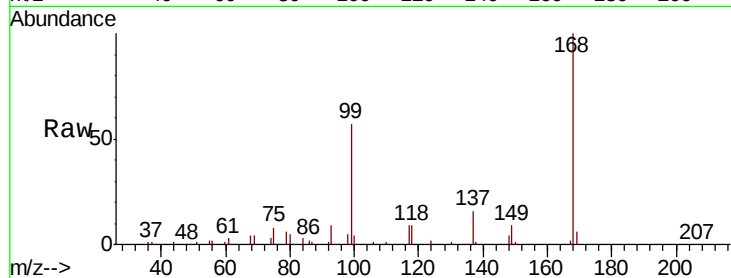




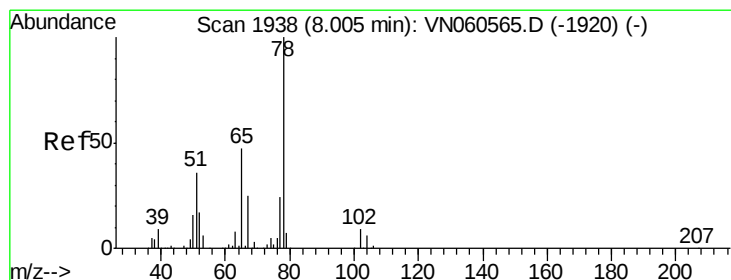
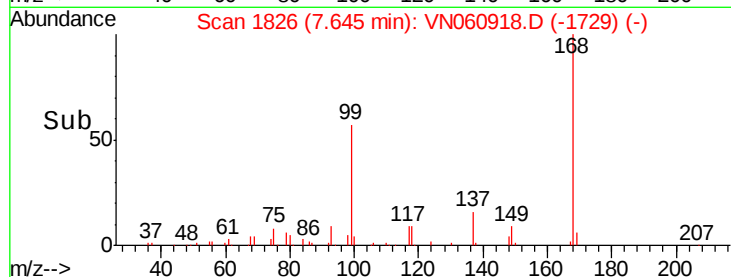
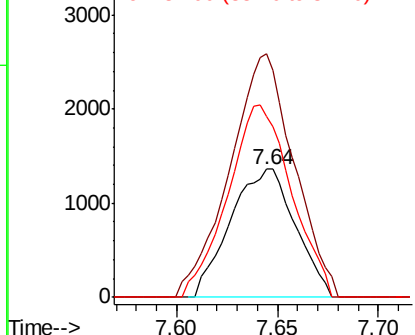
#31
Cyclohexane
Concen: 0.962 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060918.D
Acq: 13 Apr 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
TP-39-38-COMP

Tot Ion: 56 Resp: 3053
Ion Ratio Lower Upper
56 100
69 189.8 26.6 40.0#
84 141.4 64.3 96.5#

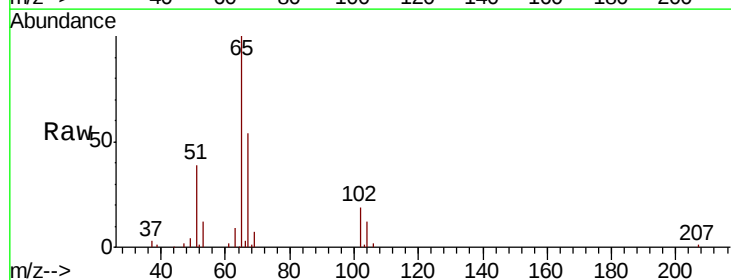


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

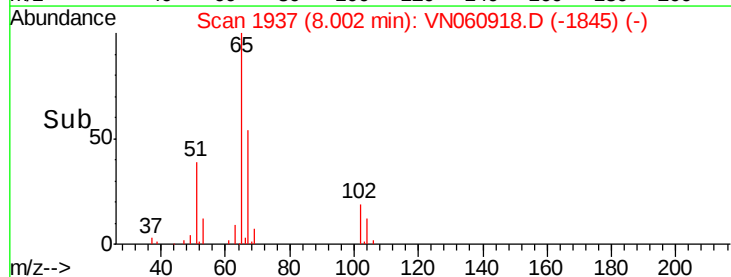
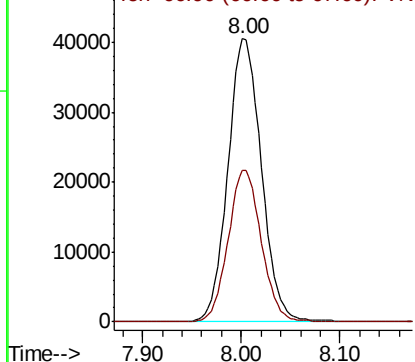


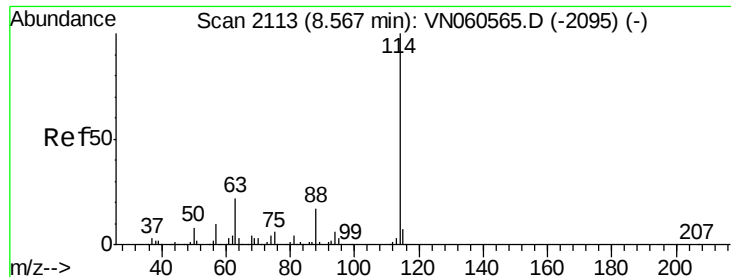
#33
1,2-Dichloroethane-d4
Concen: 48.741 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060918.D
Acq: 13 Apr 2020 23:13

Tgt Ion: 65 Resp: 96001
Ion Ratio Lower Upper
65 100
67 52.9 0.0 107.6



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

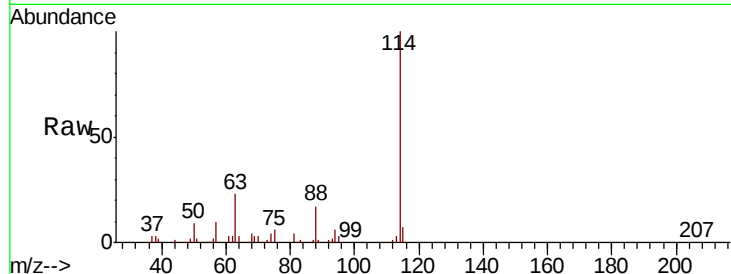




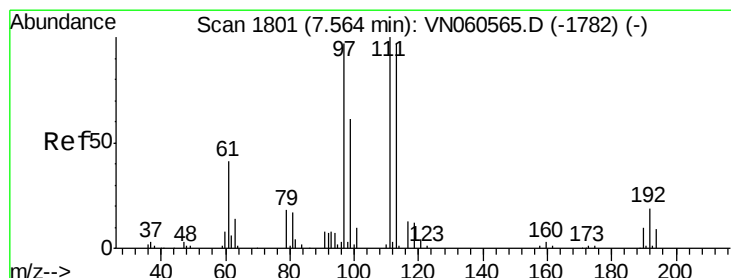
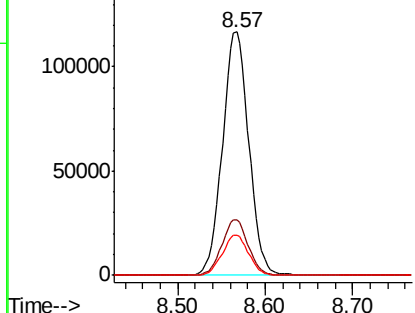
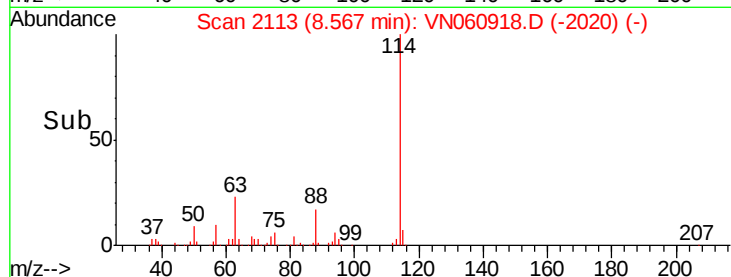
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060918.D
 Acq: 13 Apr 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-39-38-COMP

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	43.8
88	16.7	0.0	33.0

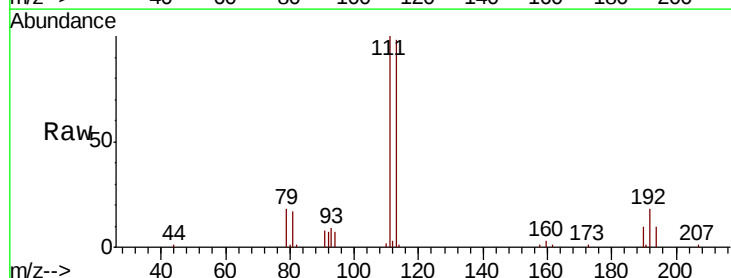


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

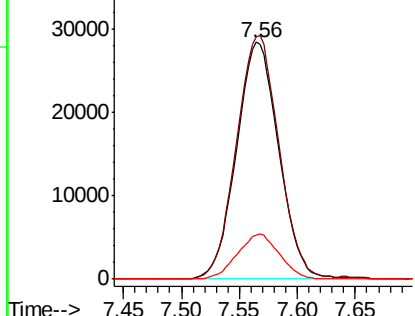
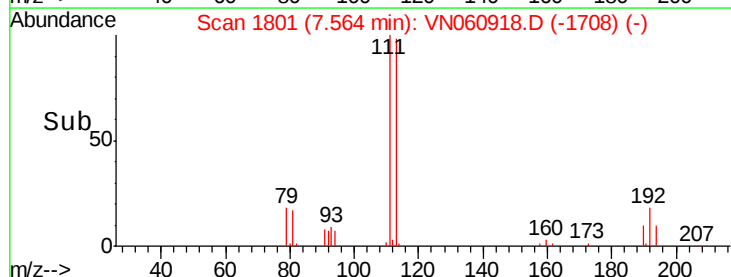


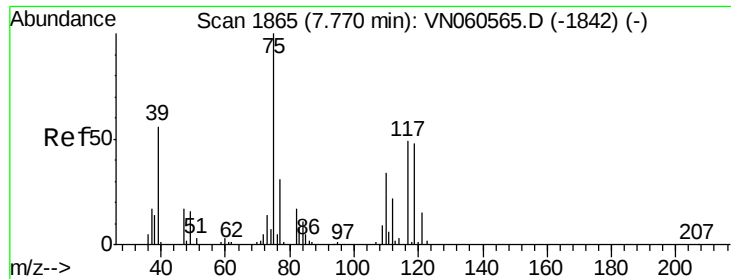
#35
 Dibromofluoromethane
 Concen: 48.967 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN060918.D
 Acq: 13 Apr 2020 23:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.9	124.3
192	18.8	15.8	23.8



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

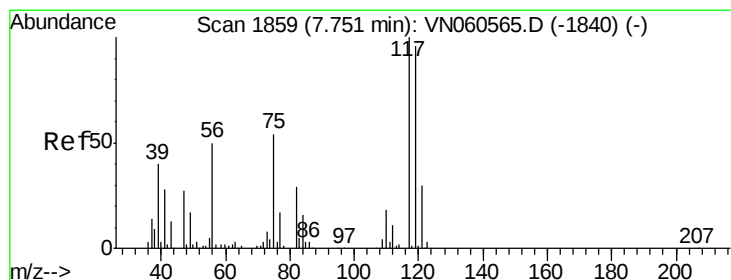
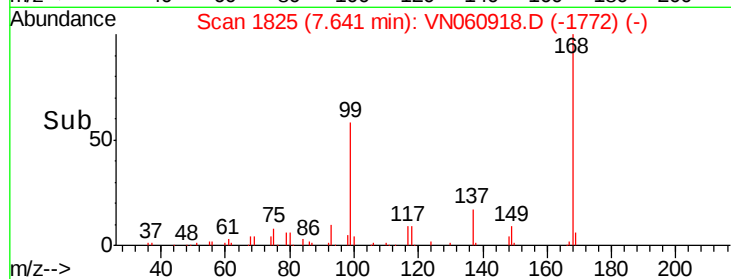
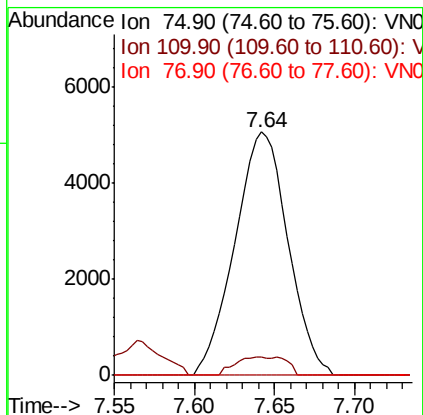
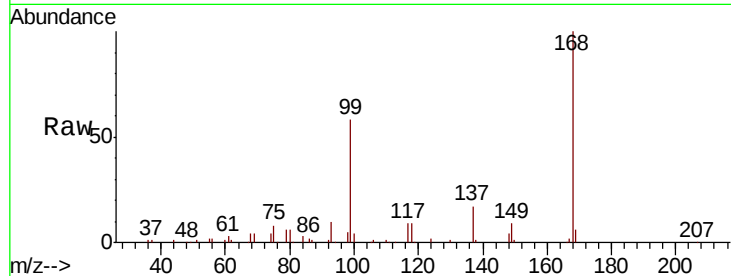




#36
 1,1-Dichloropropene
 Concen: 4.878 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060918.D
 Acq: 13 Apr 2020 23:13

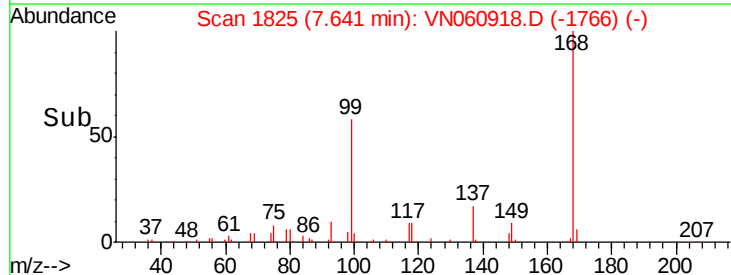
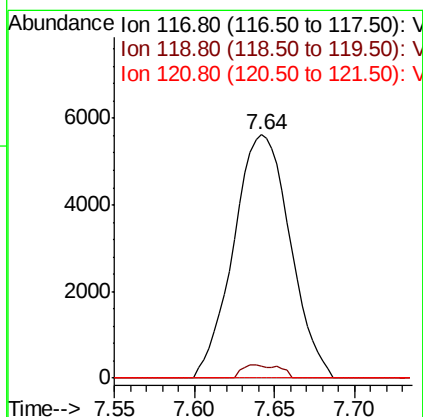
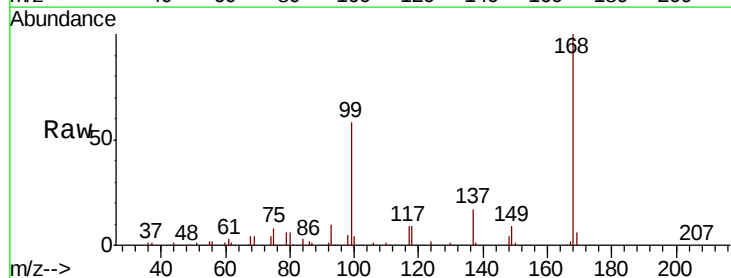
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-39-38-COMP

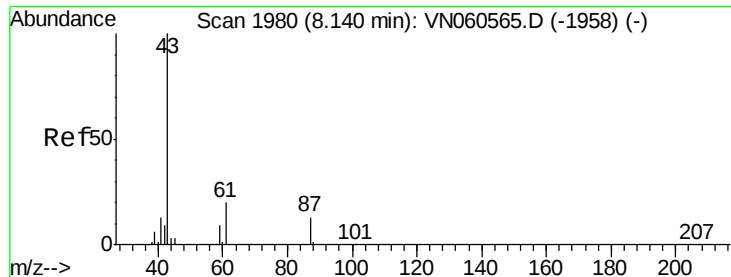
Tot Ion	75	Resp	11503
Ion Ratio	Lower	Upper	
75	100		
110	7.2	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.438 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060918.D
 Acq: 13 Apr 2020 23:13

Tgt Ion	117	Resp	13607
Ion Ratio	Lower	Upper	
117	100		
119	4.7	76.2	114.2#
121	0.0	23.7	35.5#





#43

Isopropyl Acetate

Concen: 10.250 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

TP-39-38-COMP

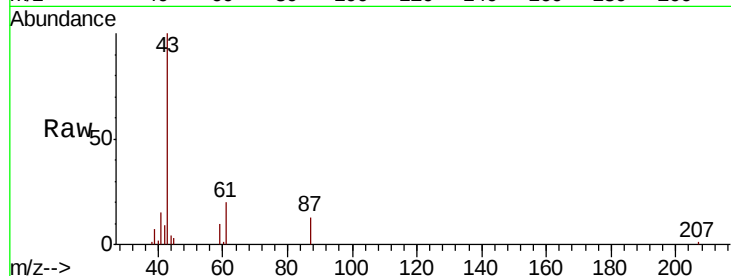
Tot Ion: 43 Resp: 43072

Ion Ratio Lower Upper

43 100

61 19.1 20.7 31.1#

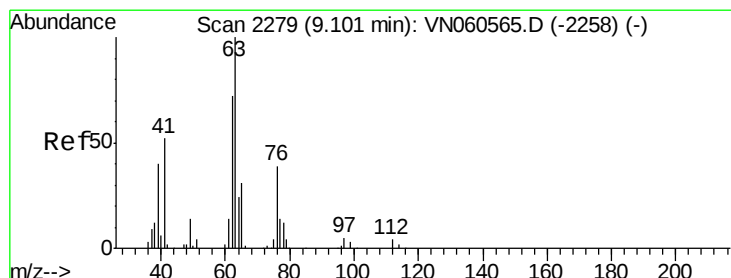
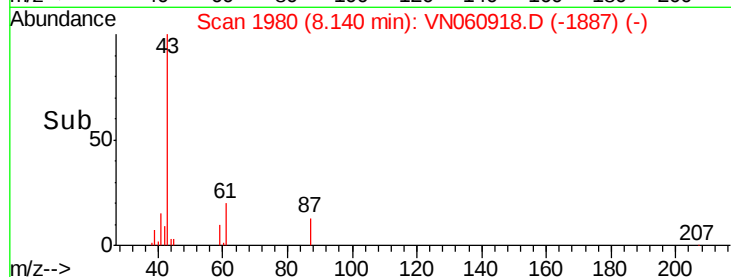
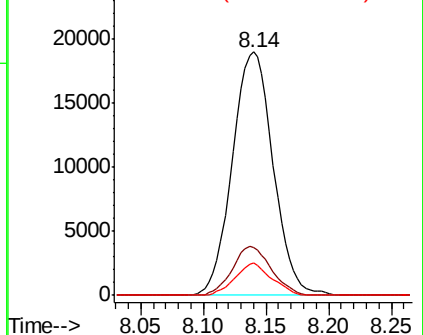
87 11.7 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN060918.D (-1887) (-)

Ion 61.00 (60.70 to 61.70): VN060918.D (-1887) (-)

Ion 87.00 (86.70 to 87.70): VN060918.D (-1887) (-)



#45

1,2-Dichloropropane

Concen: 0.386 ug/l

RT: 9.25 min Scan# 2326

Delta R.T. 0.15 min

Lab File: VN060918.D

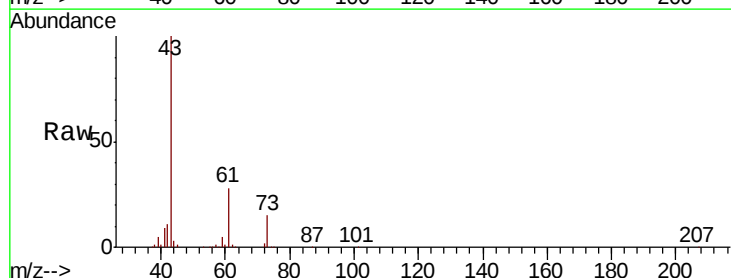
Acq: 13 Apr 2020 23:13

Tgt Ion: 63 Resp: 725

Ion Ratio Lower Upper

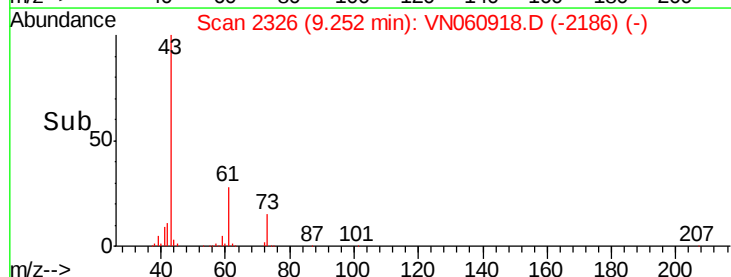
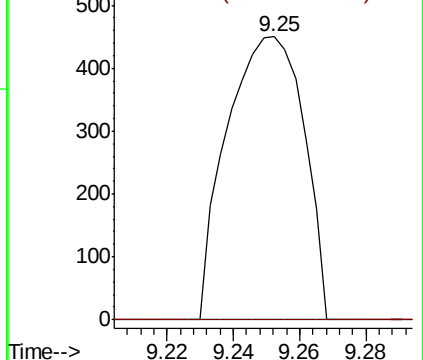
63 100

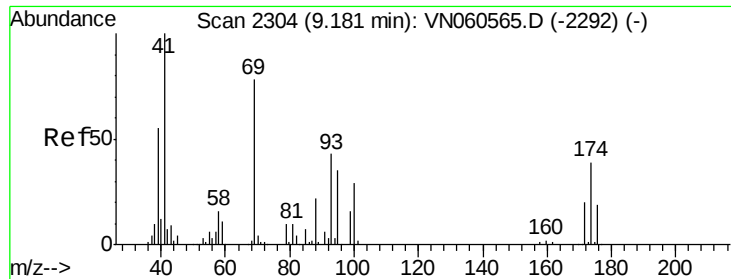
65 0.0 25.4 38.0#



Abundance Ion 62.90 (62.60 to 63.60): VN060918.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN060918.D (-2186) (-)

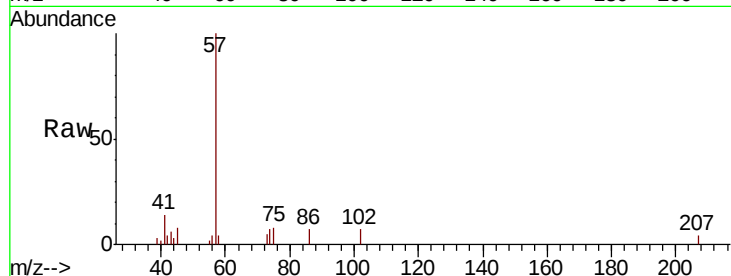




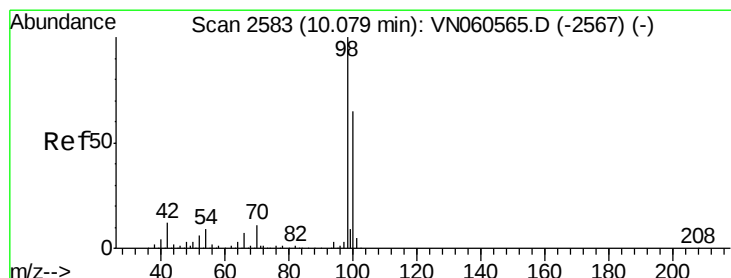
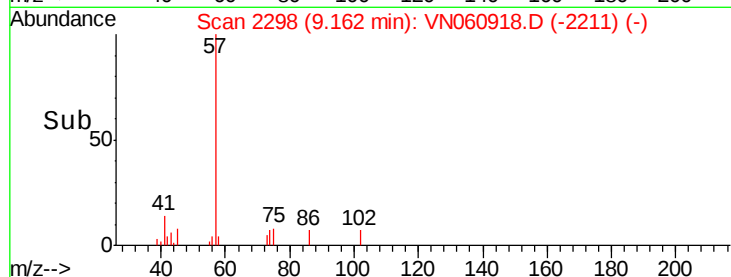
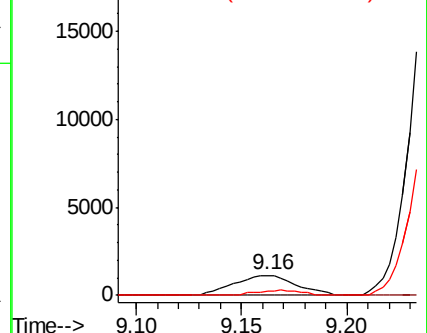
#48
Methvl methacrylate
Concen: 1.219 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.02 min
Lab File: VN060918.D
Acq: 13 Apr 2020 23:13

Instrument :
MSVOA_N
ClientSampleId :
TP-39-38-COMP

Tot Ion: 41 Resp: 2281
Ion Ratio Lower Upper
41 100
69 0.0 65.4 98.0#
39 0.0 44.0 66.0#

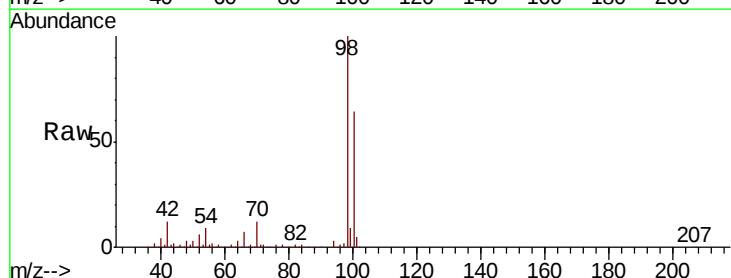


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 39.00 (38.70 to 39.70): VNC

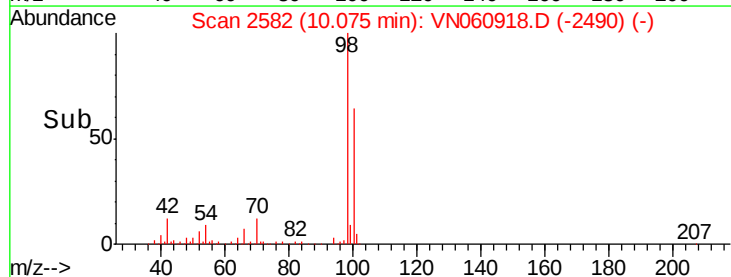
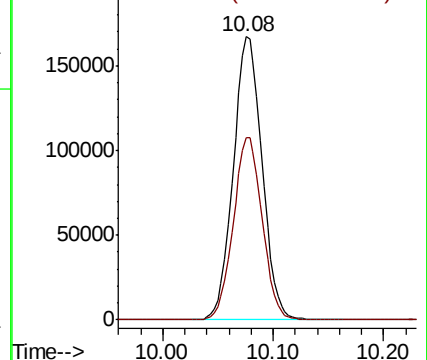


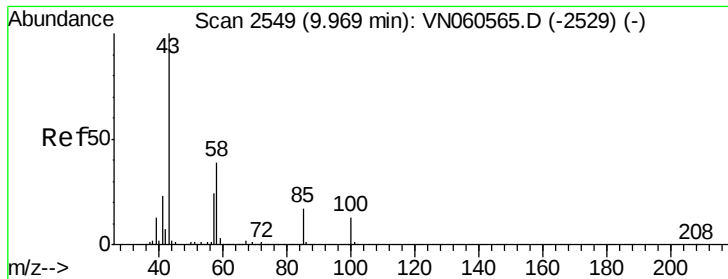
#50
Toluene-d8
Concen: 50.313 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060918.D
Acq: 13 Apr 2020 23:13

Tgt Ion: 98 Resp: 302615
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



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





#51

4-Methyl-2-Pentanone

Concen: 1.416 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

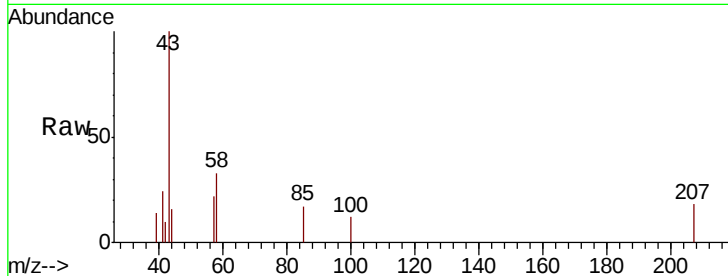
TP-39-38-COMP

Tot Ion: 43 Resp: 3386

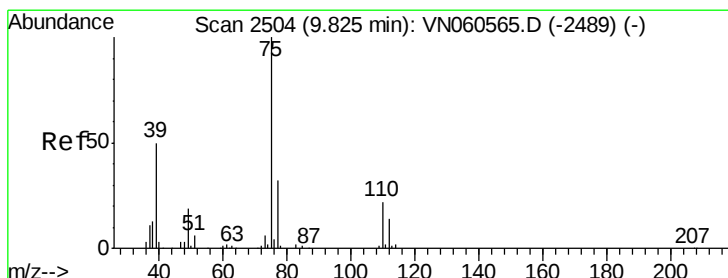
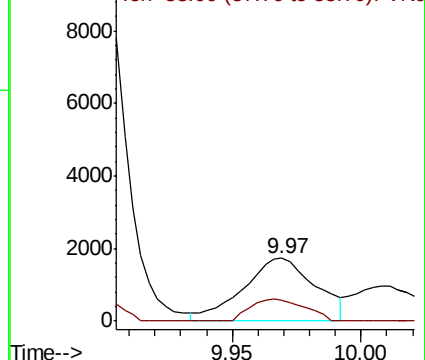
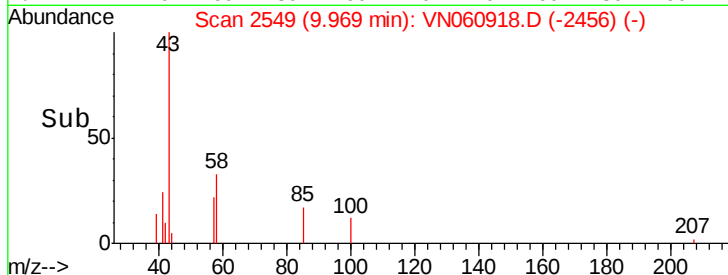
Ion Ratio Lower Upper

43 100

58 26.6 30.8 46.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060918.D (-2456) (-)



#54

cis-1,3-Dichloropropene

Concen: 5.835 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

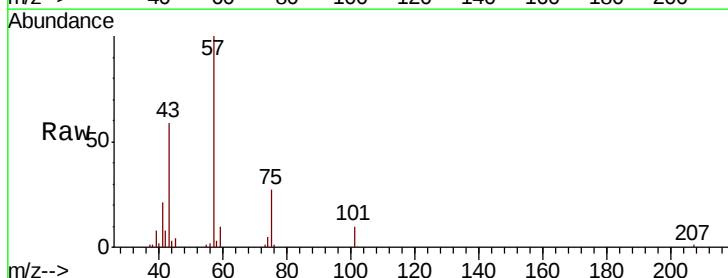
Tgt Ion: 75 Resp: 17351

Ion Ratio Lower Upper

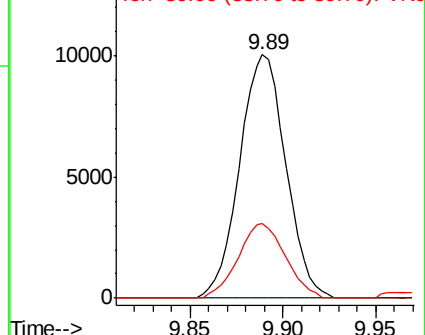
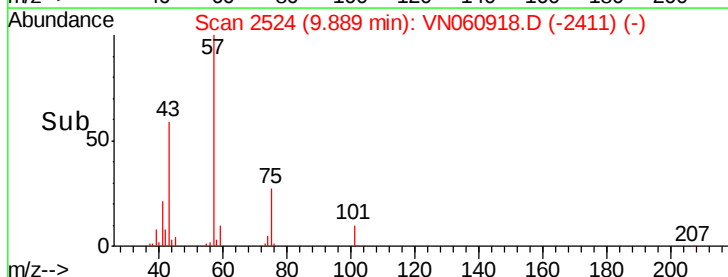
75 100

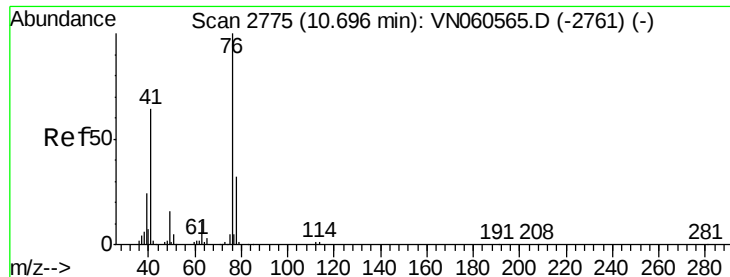
77 0.0 25.4 38.0#

39 30.5 40.2 60.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060918.D (-2411) (-)





#57

1,3-Dichloropropane

Concen: 1.013 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

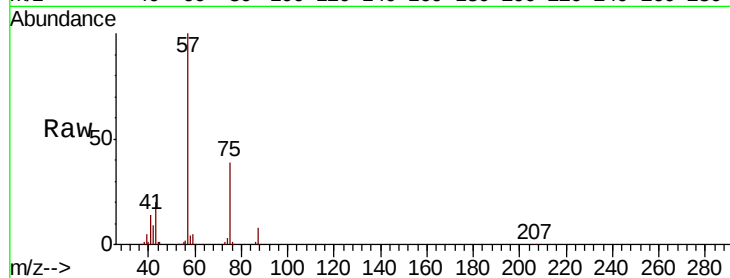
TP-39-38-COMP

Tot Ion: 76 Resp: 2908

Ion Ratio Lower Upper

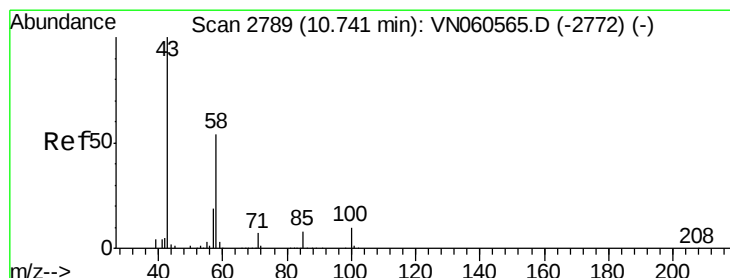
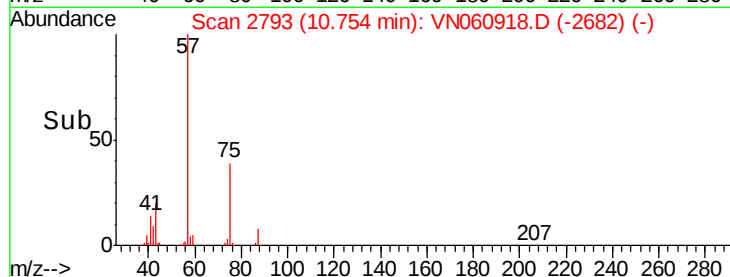
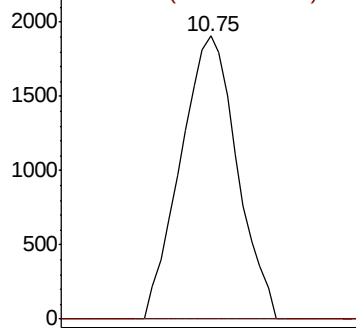
76 100

78 0.0 25.8 38.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 25.564 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060918.D

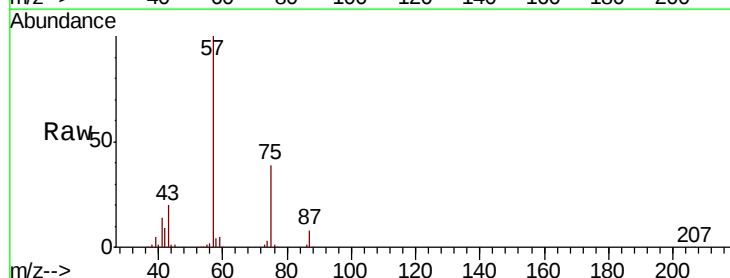
Acq: 13 Apr 2020 23:13

Tgt Ion: 43 Resp: 44033

Ion Ratio Lower Upper

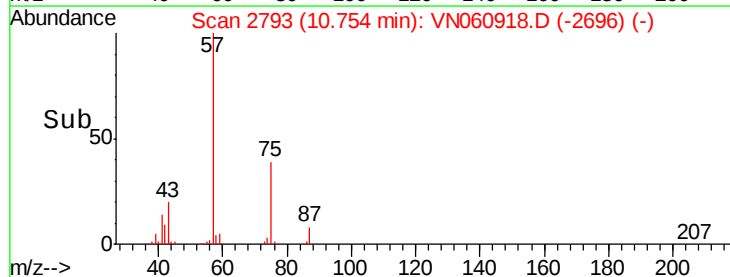
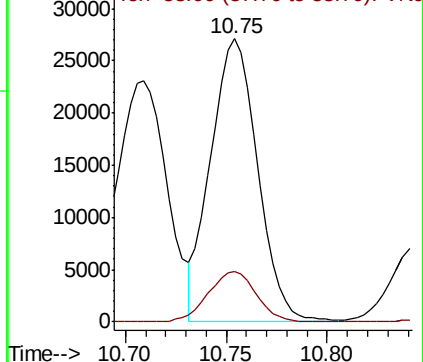
43 100

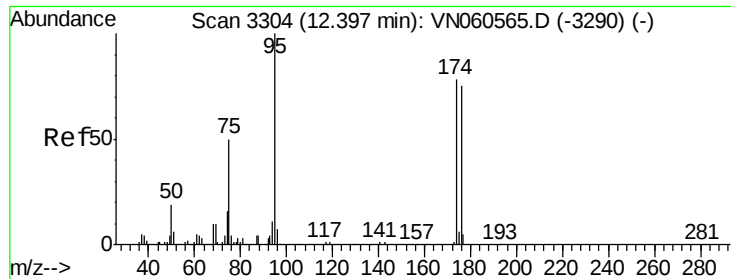
58 18.2 26.7 80.1#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.819 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

TP-39-38-COMP

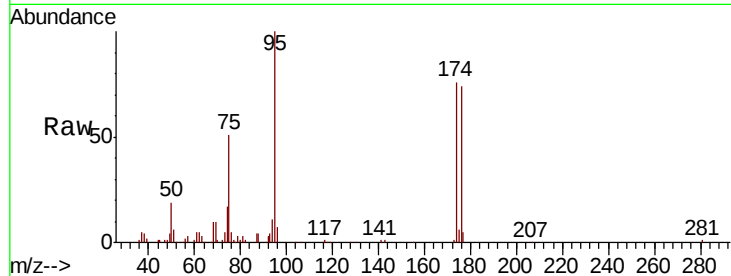
Tot Ion: 95 Resp: 114223

Ion Ratio Lower Upper

95 100

174 76.1 0.0 157.6

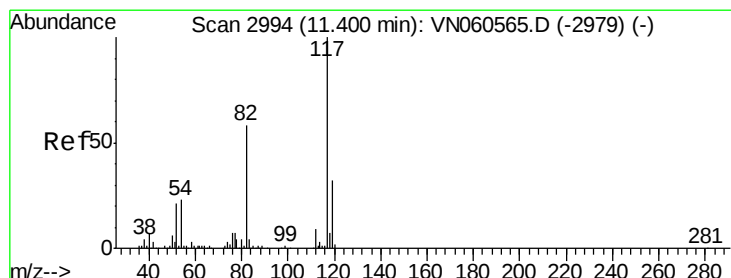
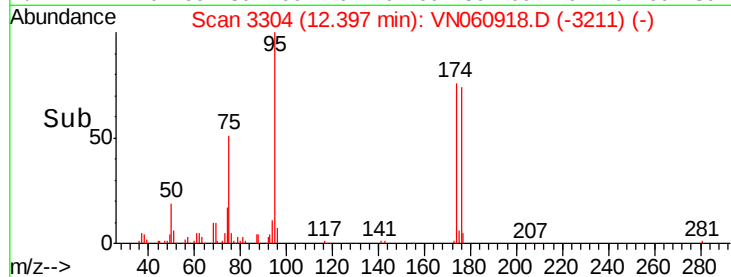
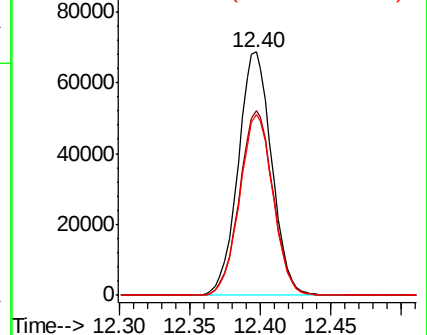
176 73.9 0.0 150.6



Abundance Ion 94.90 (94.60 to 95.60): VN060918.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060918.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060918.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

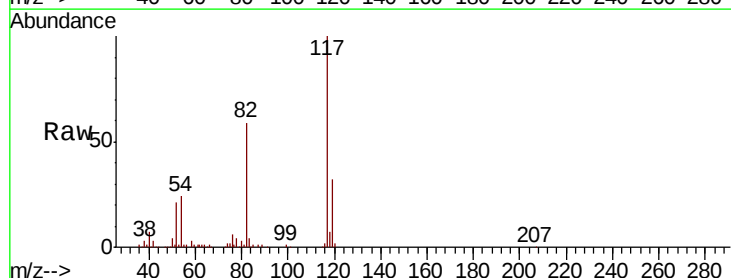
Tgt Ion: 117 Resp: 230549

Ion Ratio Lower Upper

117 100

82 59.4 46.7 70.1

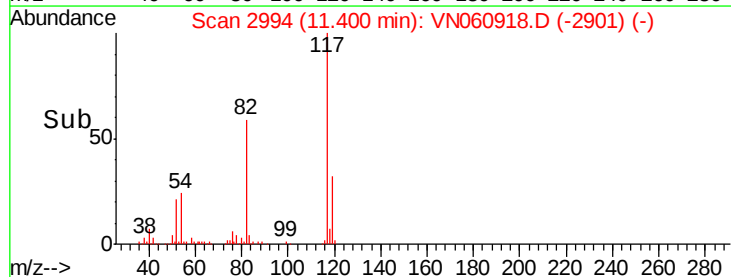
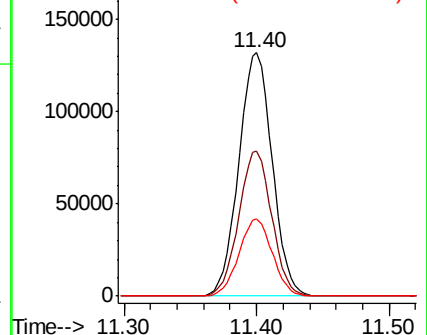
119 31.6 25.5 38.3

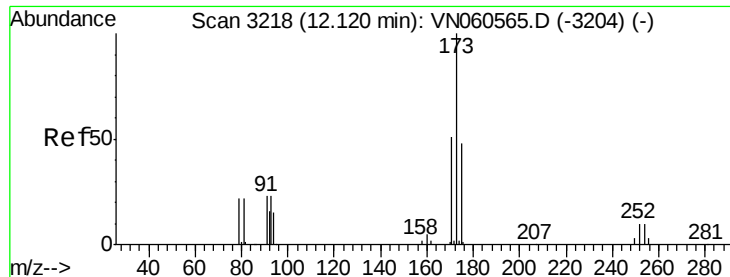


Abundance Ion 116.90 (116.60 to 117.60): VN060918.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060918.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060918.D (-2979) (-)





#71

Bromoform

Concen: 1.704 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.26 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

Instrument :

MSVOA_N

ClientSampleId :

TP-39-38-COMP

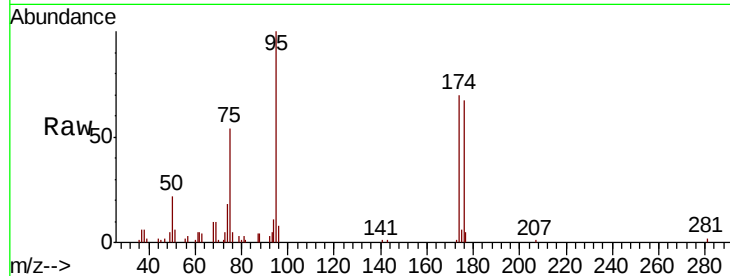
Tot Ion:173 Resp: 34

Ion Ratio Lower Upper

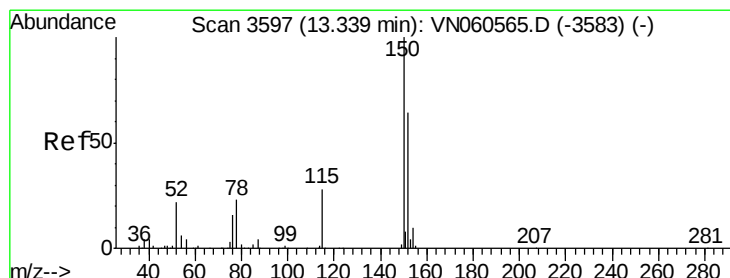
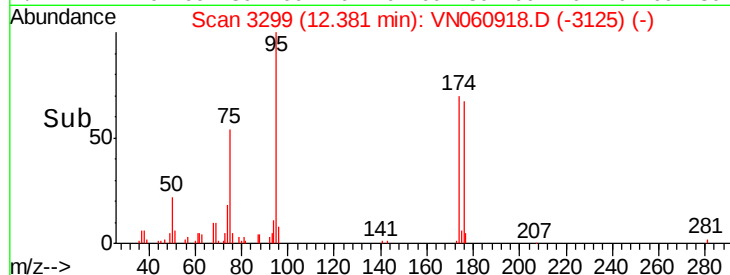
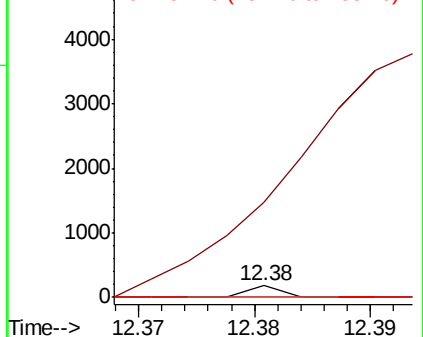
173 100

175 0.0 24.1 72.4#

254 0.0 0.0 0.0



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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

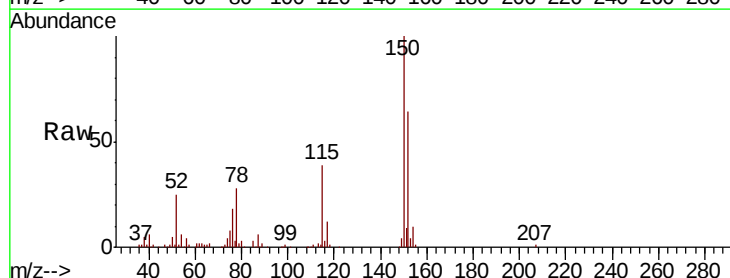
Tgt Ion:152 Resp: 104545

Ion Ratio Lower Upper

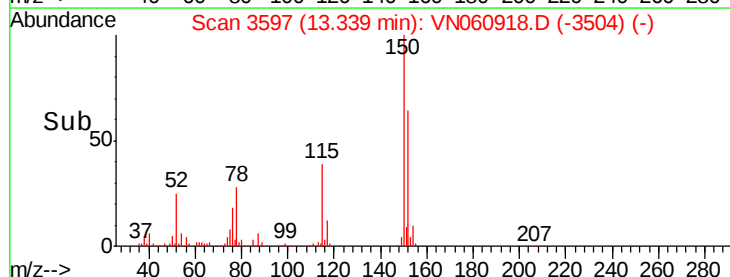
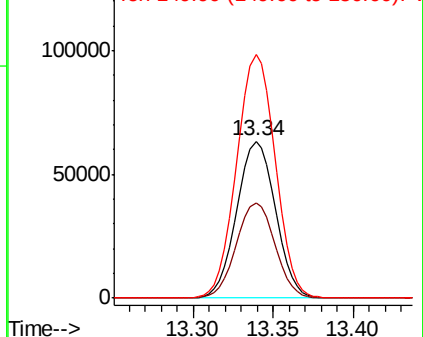
152 100

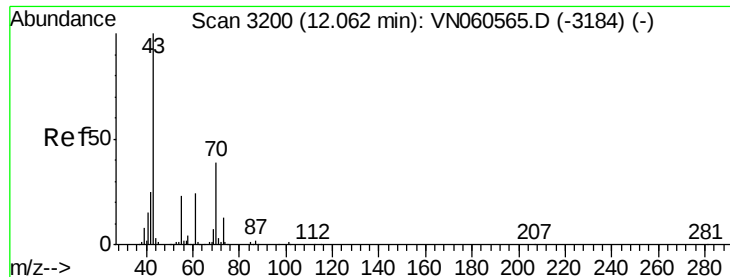
115 60.7 30.2 90.6

150 155.1 0.0 350.2



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-amvl acetate

Concen: 0.670 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. -0.04 min

Lab File: VN060918.D

Acq: 13 Apr 2020 23:13

Instrument :

MSVOA_N

ClientSampled :

TP-39-38-COMP

Tot Ion: 43 Resp: 2428

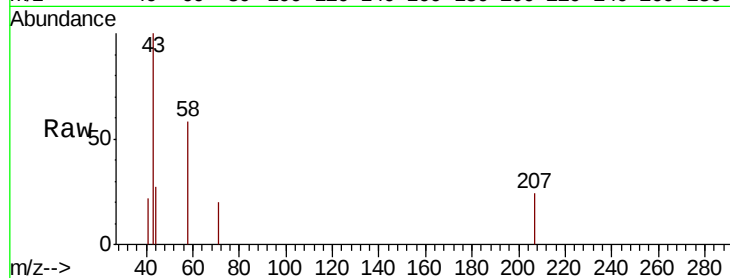
Ion Ratio Lower Upper

43 100

70 0.0 31.1 46.7#

55 0.0 18.6 27.8#

61 0.0 18.9 28.3#

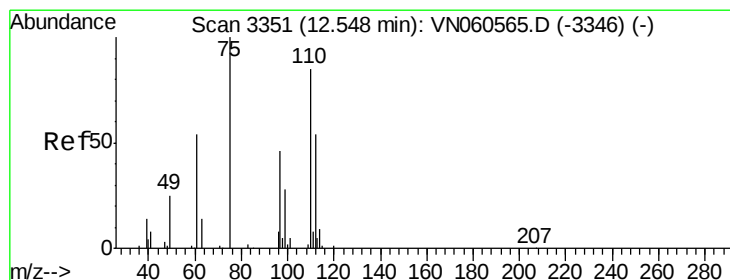
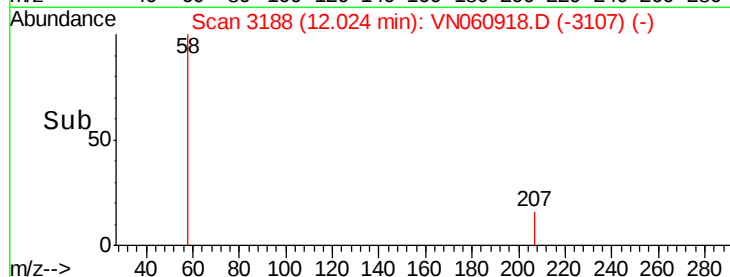
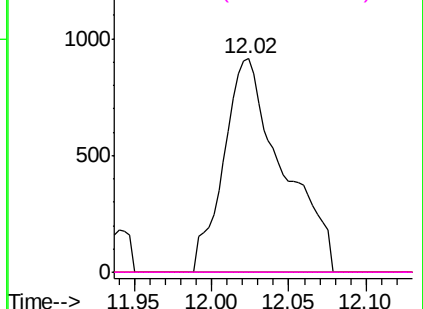


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 25.846 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060918.D

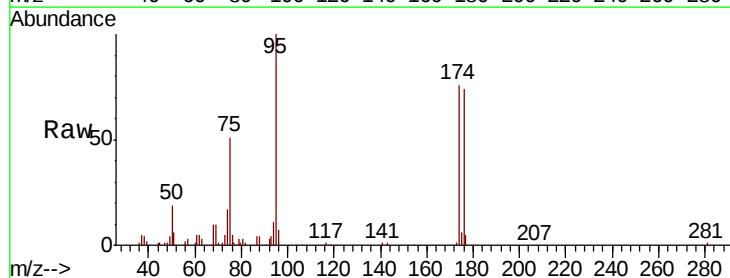
Acq: 13 Apr 2020 23:13

Tgt Ion: 75 Resp: 58304

Ion Ratio Lower Upper

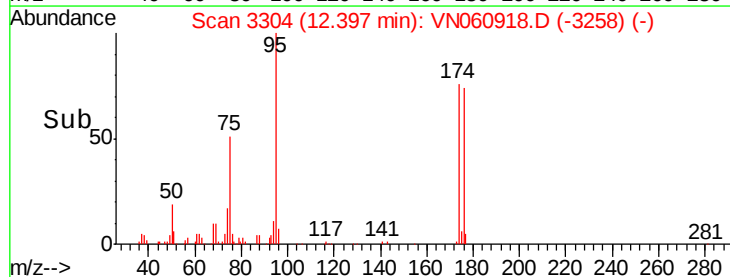
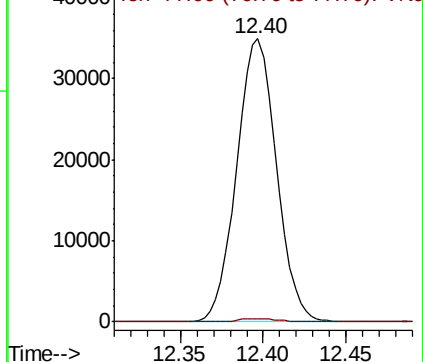
75 100

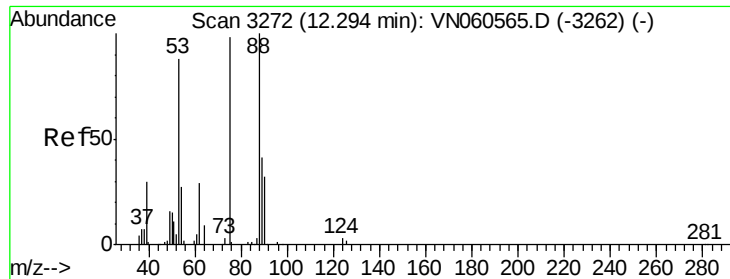
77 1.0 0.0 0.0#



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: 66.379 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060918.D
 Acq: 13 Apr 2020 23:13

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-39-38-COMP

Tot Ion: 75 Resp: 58304
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.0 109.4#
 89 0.0 34.8 52.2#

