

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN062220\
 Data File : VN062028.D
 Acq On : 23 Jun 2020 3:58
 Operator : JC/MD
 Sample : L3033-09 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LF017MW005-200616

Quant Time: Jun 23 07:12:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	158750	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	293114	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	286924	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116351	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	106777	50.15	ug/l	0.00
Spiked Amount			Recovery	=	100.30%	
35) Dibromofluoromethane	7.55	113	93263	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
50) Toluene-d8	10.06	98	364959	49.51	ug/l	0.00
Spiked Amount			Recovery	=	99.02%	
62) 4-Bromofluorobenzene	12.38	95	126583	50.06	ug/l	0.00
Spiked Amount			Recovery	=	100.12%	

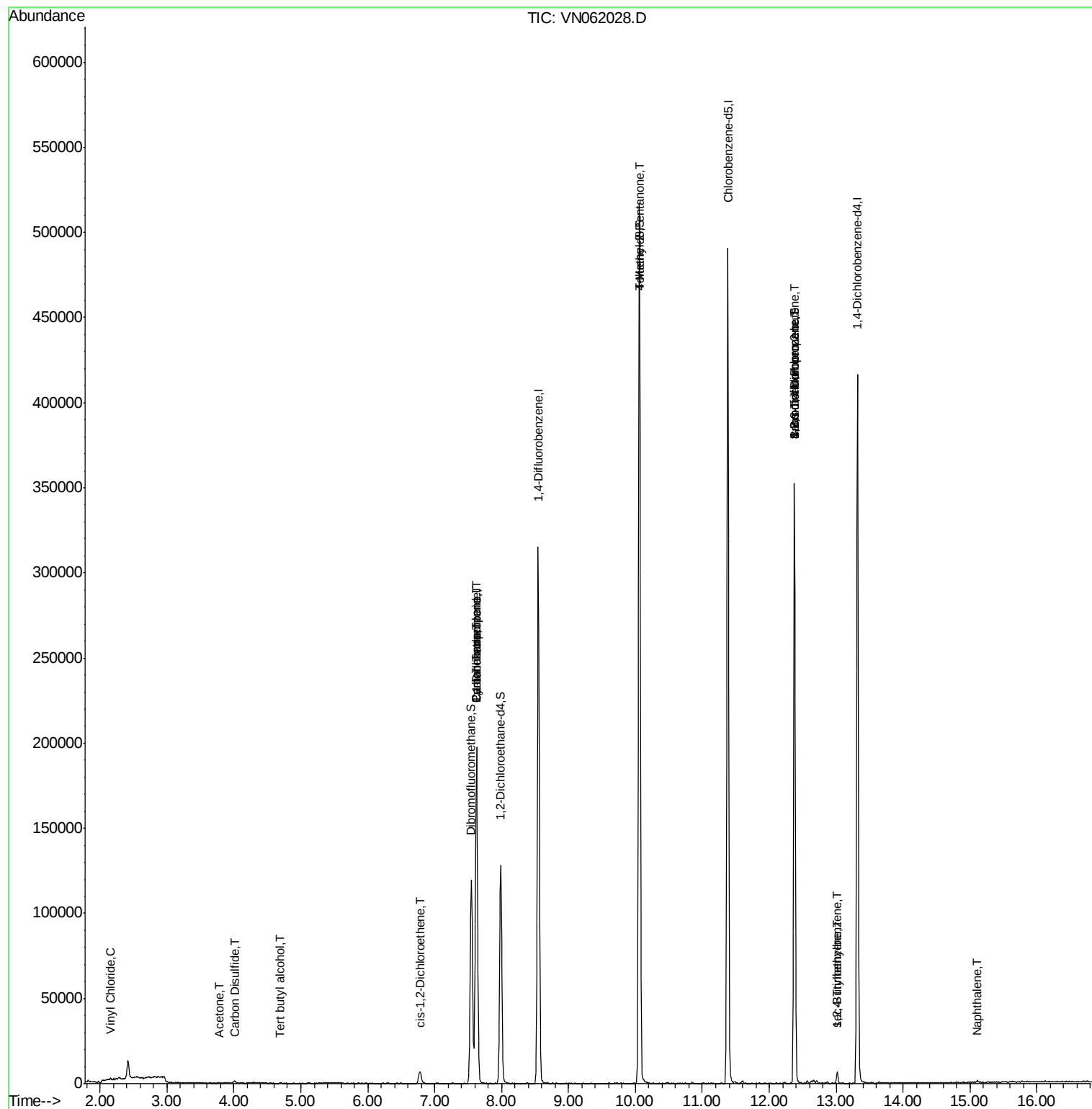
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.16	62	903	0.344	ug/l #	86
11) Tert butyl alcohol	4.69	59	193	0.655	ug/l #	74
16) Acetone	3.78	43	236	0.375	ug/l #	40
17) Carbon Disulfide	4.01	76	2304	0.488	ug/l #	75
27) cis-1,2-Dichloroethene	6.78	96	3163	1.480	ug/l	84
31) Cyclohexane	7.62	56	3142	1.120	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12651	4.732	ug/l #	46
38) Carbon Tetrachloride	7.62	117	16155	6.102	ug/l #	17
51) 4-Methyl-2-Pentanone	10.06	43	1590	0.765	ug/l #	1
71) Bromoform	12.38	173	744	0.483	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	62279	27.264	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	62279	74.361	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.01	105	4442	0.658	ug/l	99
85) sec-Butylbenzene	13.01	105	4442	0.585	ug/l #	56
95) Naphthalene	15.11	128	1296	3.691	ug/l #	72

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

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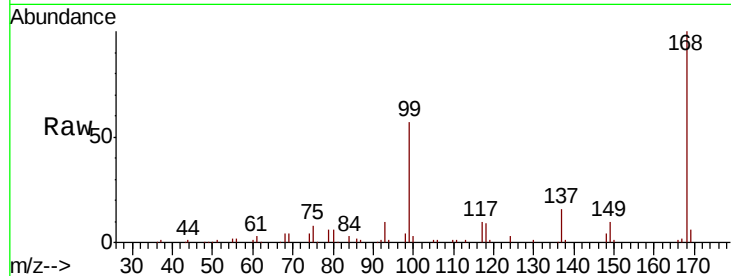




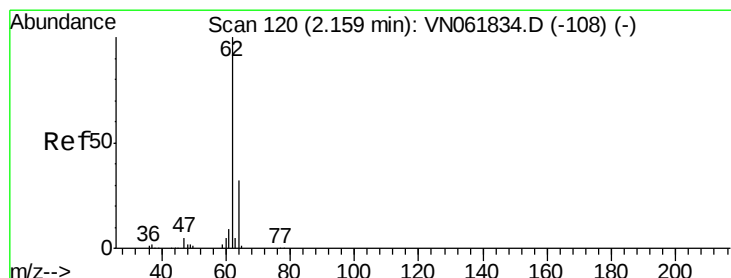
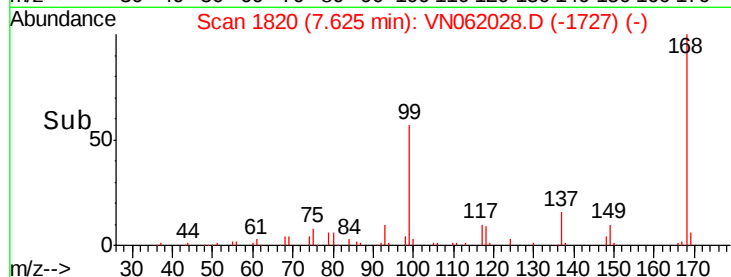
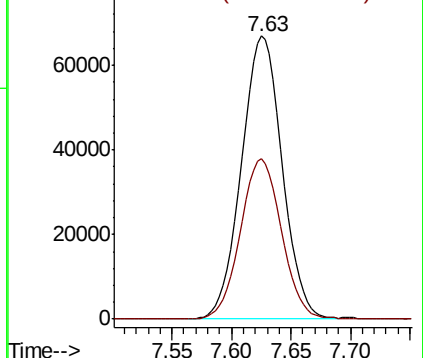
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Instrument :
MSVOA_N
ClientSampleId :
LF017MW005-200616

Tot Ion:168 Resp: 158750
Ion Ratio Lower Upper
168 100
99 56.6 44.6 67.0

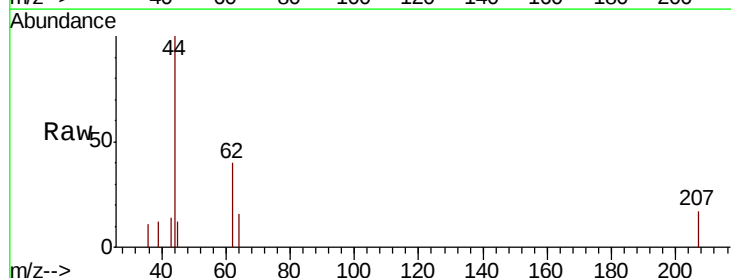


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VNO

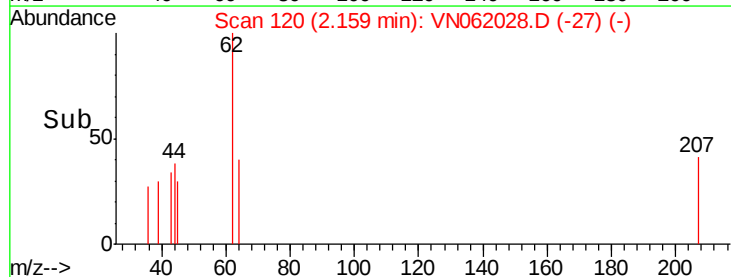
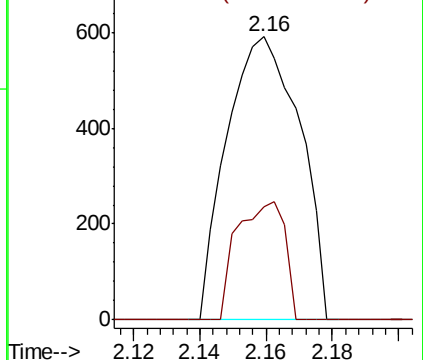


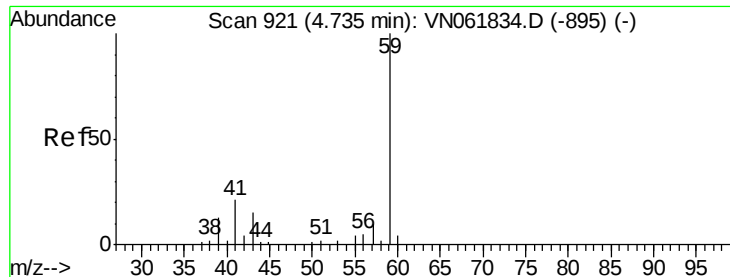
#4
Vinyl Chloride
Concen: 0.344 ug/l
RT: 2.16 min Scan# 120
Delta R.T. -0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Tgt Ion: 62 Resp: 903
Ion Ratio Lower Upper
62 100
64 39.9 25.5 38.3#



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO



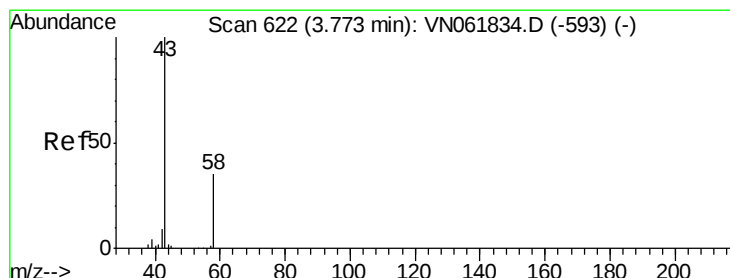
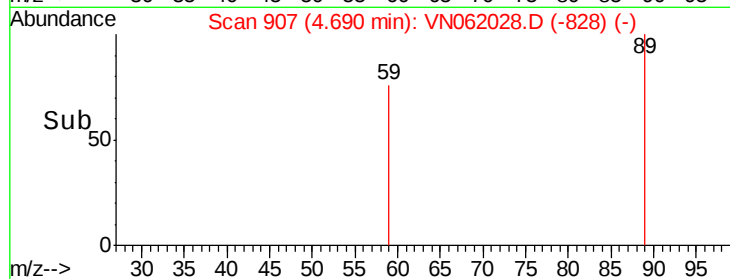
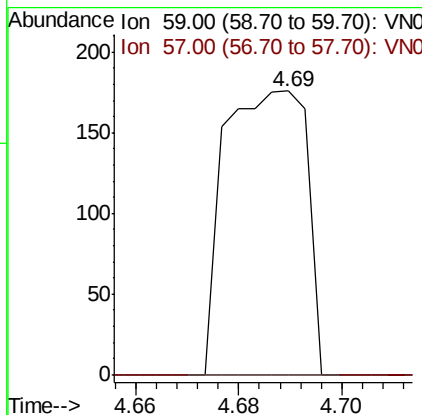
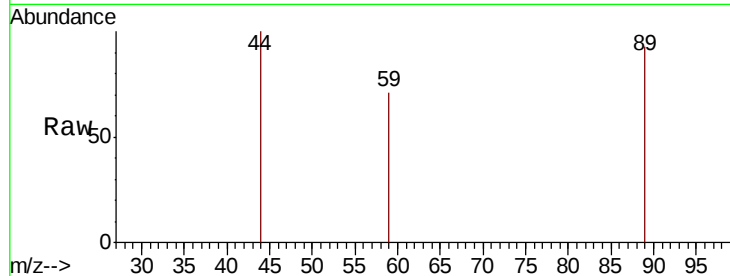


#11

Tert butyl alcohol
 Concen: 0.655 ug/l
 RT: 4.69 min Scan# 907
 Delta R.T. -0.05 min
 Lab File: VN062028.D
 Acq: 23 Jun 2020 3:58

Instrument :
 MSVOA_N
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 LF017MW005-200616

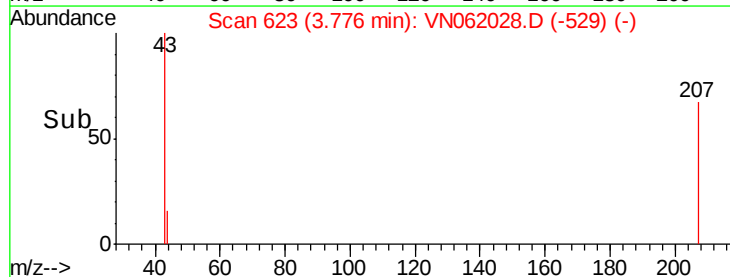
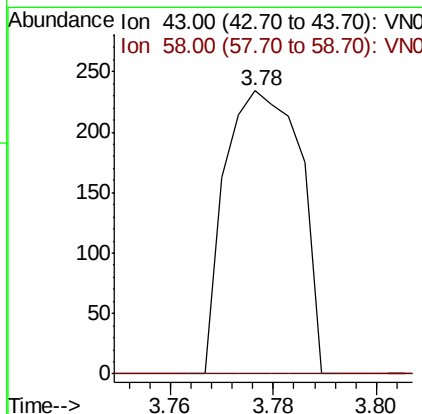
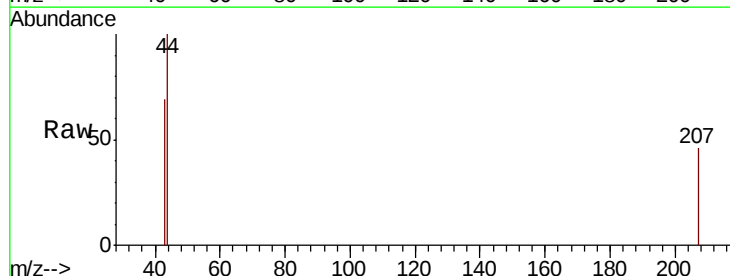
Tot Ion: 59 Resp: 193
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#

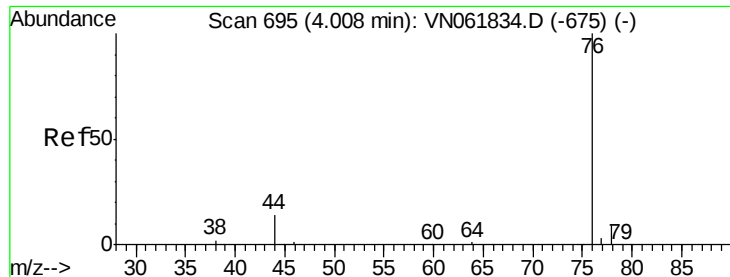


#16

Acetone
 Concen: 0.375 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN062028.D
 Acq: 23 Jun 2020 3:58

Tgt Ion: 43 Resp: 236
 Ion Ratio Lower Upper
 43 100
 58 0.0 27.8 41.8#

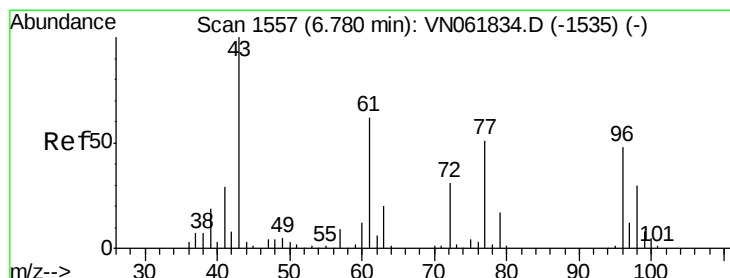
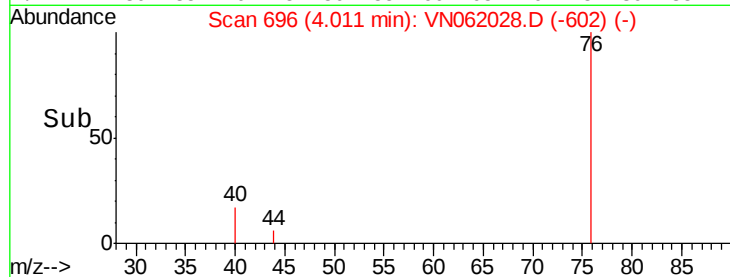
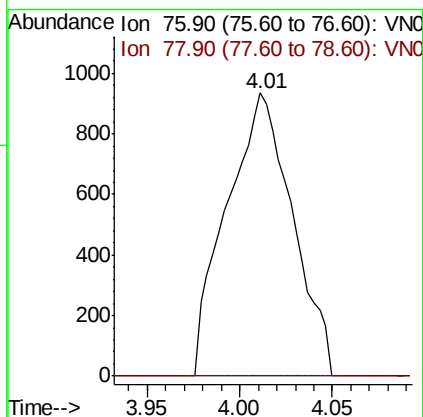
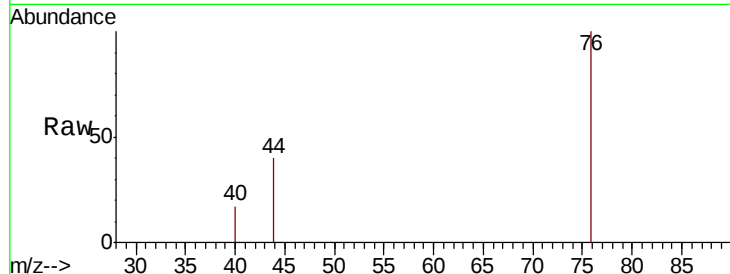




#17
Carbon Disulfide
Concen: 0.488 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

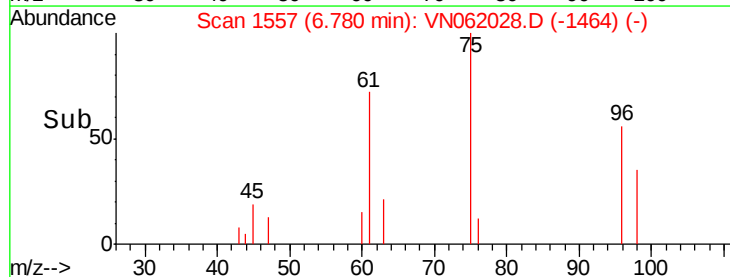
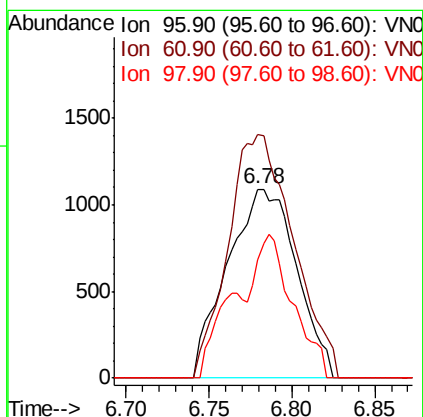
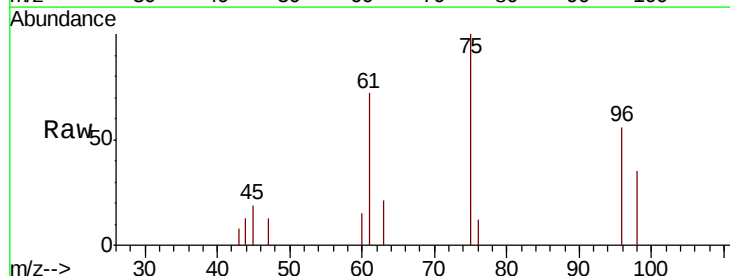
Instrument :
MSVOA_N
ClientSampleId :
LF017MW005-200616

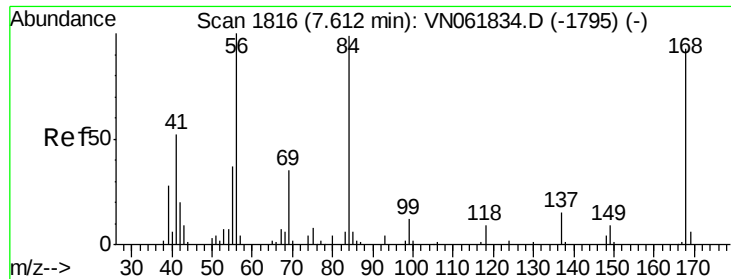
Tot Ion: 76 Resp: 2304
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#27
cis-1,2-Dichloroethene
Concen: 1.480 ug/l
RT: 6.78 min Scan# 1557
Delta R.T. -0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Tgt Ion: 96 Resp: 3163
Ion Ratio Lower Upper
96 100
61 121.6 0.0 265.6
98 41.4 0.0 128.2

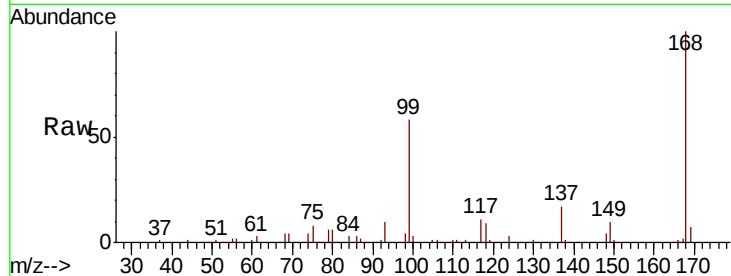




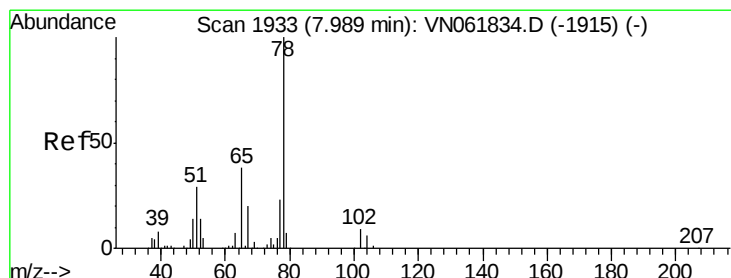
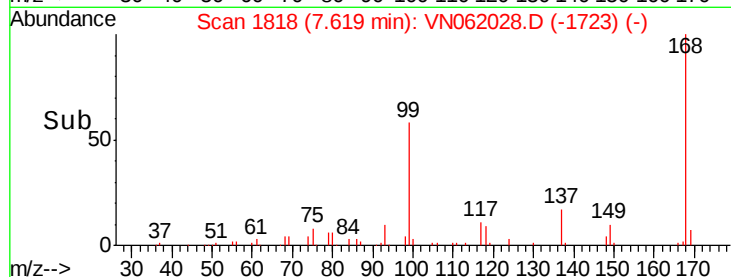
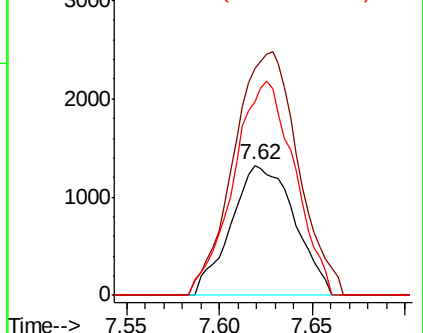
#31
Cyclohexane
Concen: 1.120 ug/l
RT: 7.62 min Scan# 1816
Delta R.T. 0.01 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Instrument :
MSVOA_N
ClientSampleId :
LF017MW005-200616

Tot Ion: 56 Resp: 3142
Ion Ratio Lower Upper
56 100
69 174.7 27.7 41.5#
84 149.3 79.1 118.7#

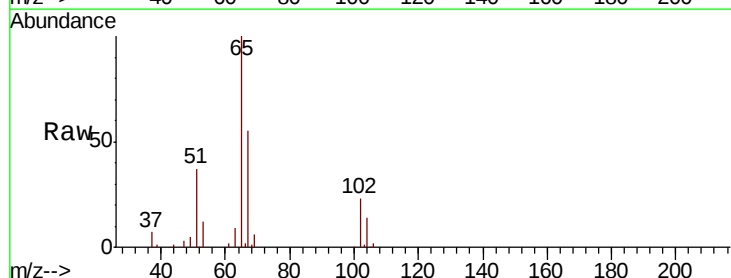


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

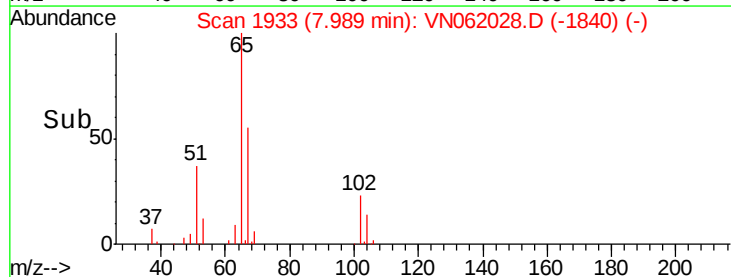
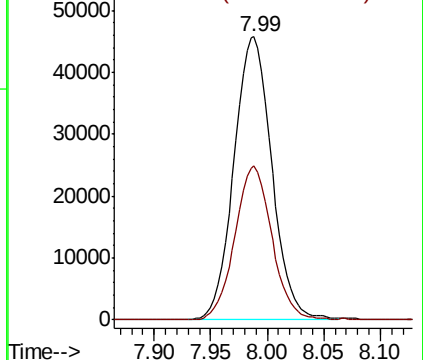


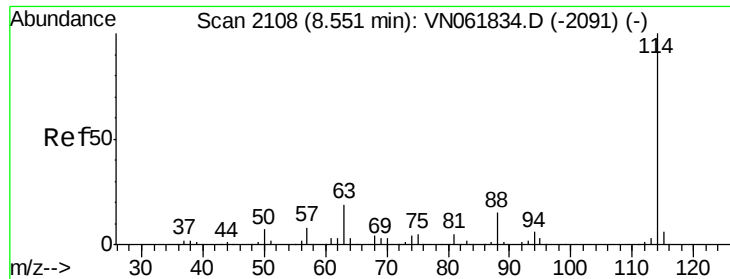
#33
1,2-Dichloroethane-d4
Concen: 50.152 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. -0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Tgt Ion: 65 Resp: 106777
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

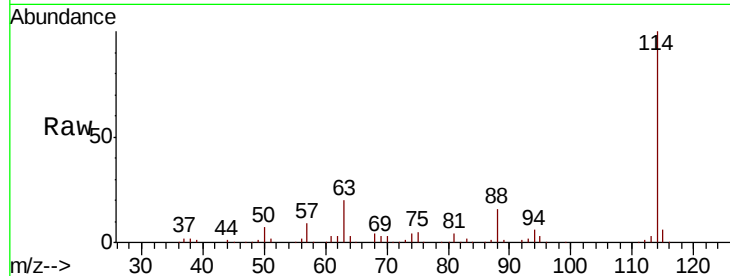




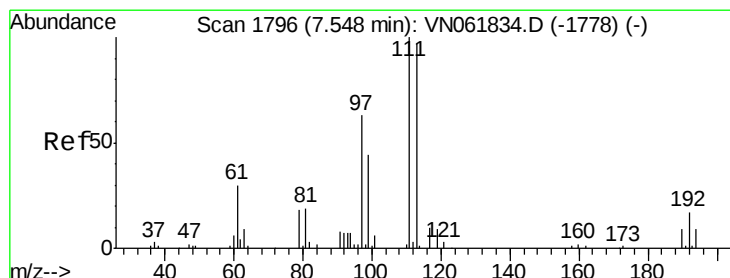
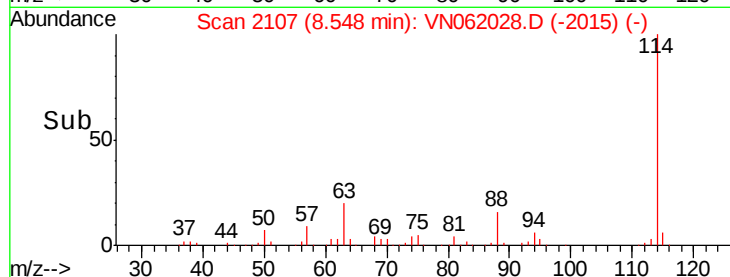
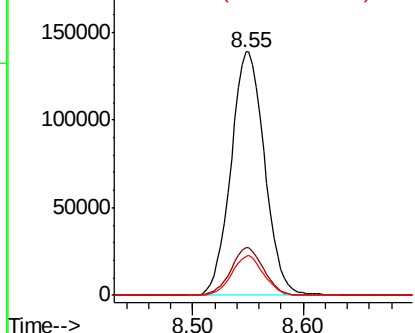
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2107
Delta R.T. -0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Instrument :
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Tot Ion:114 Resp: 293114
Ion Ratio Lower Upper
114 100
63 19.6 0.0 37.6
88 16.0 0.0 31.0

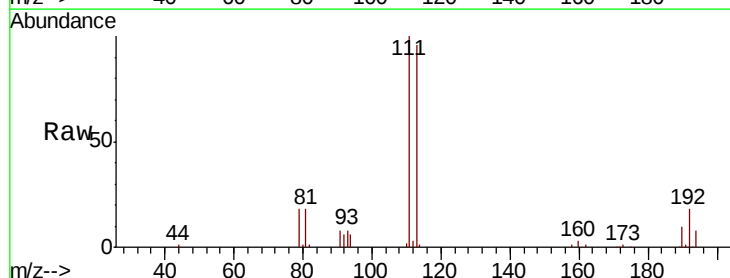


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

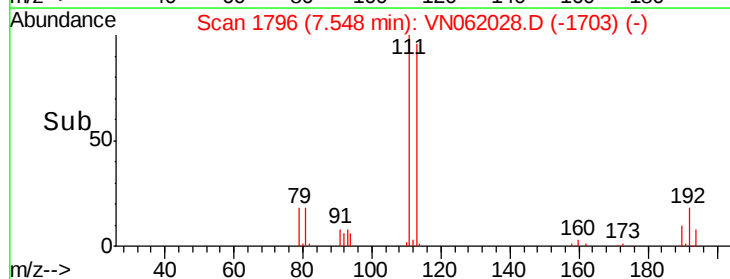
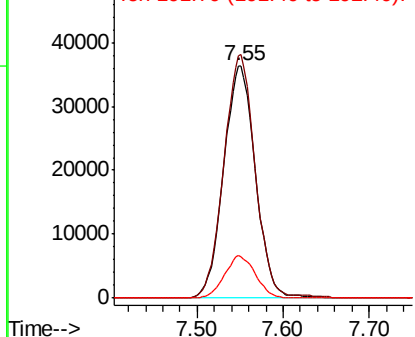


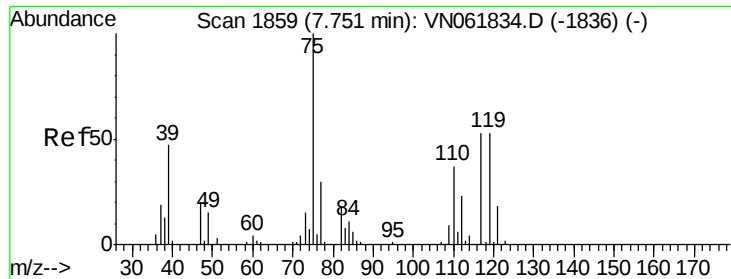
#35
Dibromofluoromethane
Concen: 49.735 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Tgt Ion:113 Resp: 93263
Ion Ratio Lower Upper
113 100
111 102.0 83.7 125.5
192 17.6 13.9 20.9



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

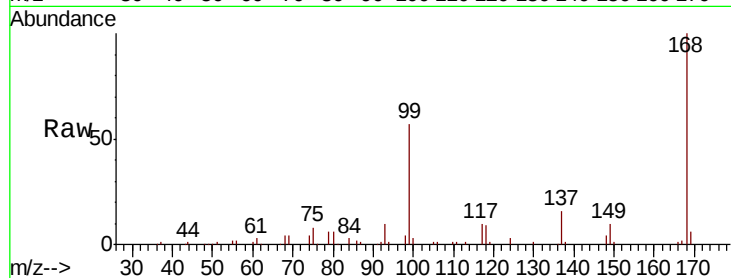




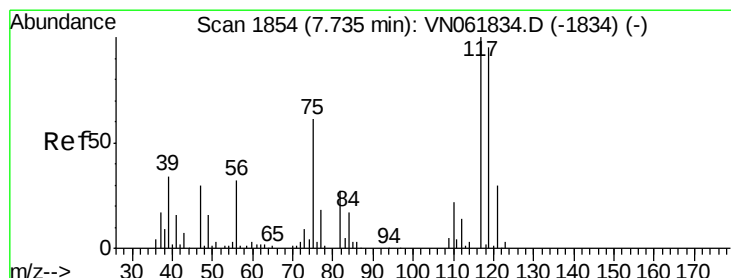
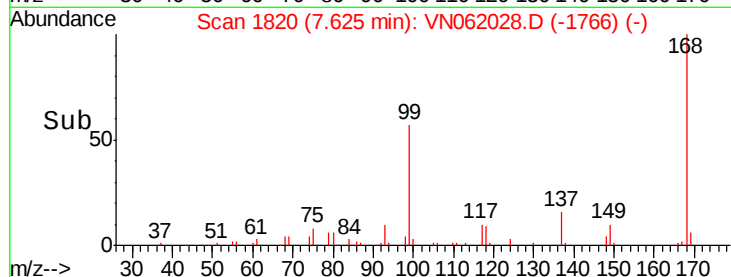
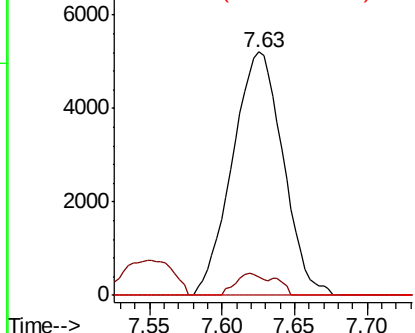
#36
 1,1-Dichloropropene
 Concen: 4.732 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062028.D
 Acq: 23 Jun 2020 3:58

Instrument :
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 LF017MW005-200616

Tot Ion	Ratio	Lower	Upper
75	100		
110	5.1	18.2	54.6#
77	0.0	24.2	36.4#

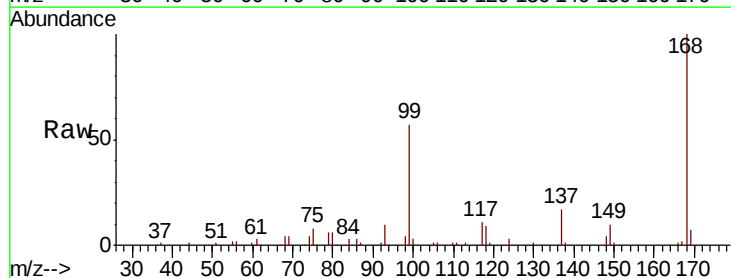


Abundance Ion 74.90 (74.60 to 75.60): VN061834.D (-1836) (-)
 Ion 109.90 (109.60 to 110.60): VN061834.D (-1836) (-)
 Ion 76.90 (76.60 to 77.60): VN061834.D (-1836) (-)

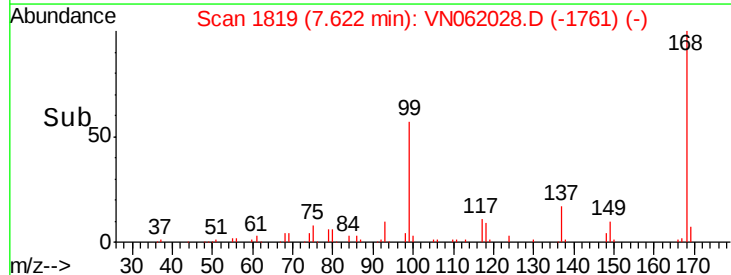
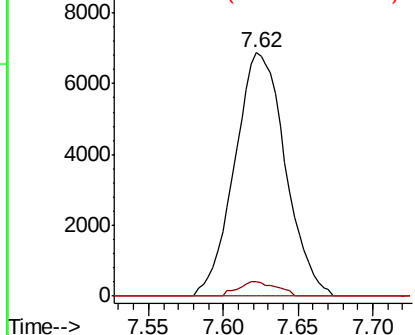


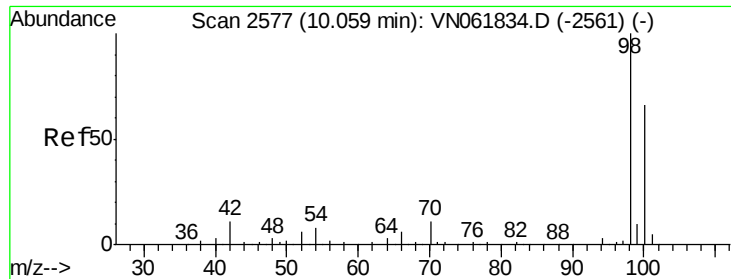
#38
 Carbon Tetrachloride
 Concen: 6.102 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.11 min
 Lab File: VN062028.D
 Acq: 23 Jun 2020 3:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	75.8	113.6#
121	0.0	23.8	35.6#



Abundance Ion 116.80 (116.50 to 117.50): VN062028.D (-1761) (-)
 Ion 118.80 (118.50 to 119.50): VN062028.D (-1761) (-)
 Ion 120.80 (120.50 to 121.50): VN062028.D (-1761) (-)





#50

Toluene-d8

Concen: 49.505 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN062028.D

Acq: 23 Jun 2020 3:58

Instrument :

MSVOA_N

ClientSampleId :

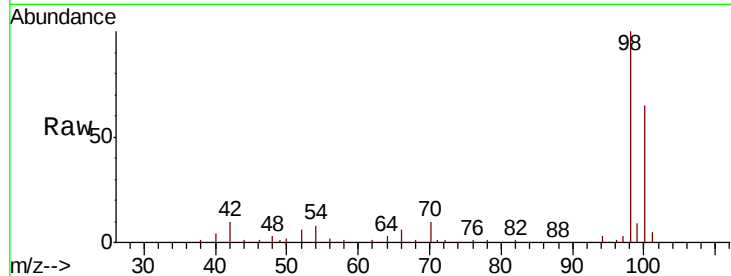
LF017MW005-200616

Tot Ion: 98 Resp: 364959

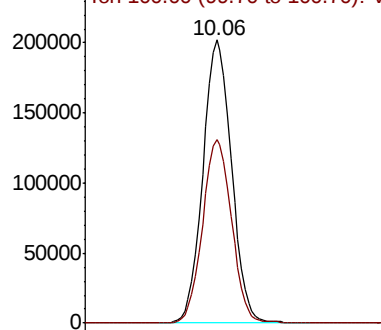
Ion Ratio Lower Upper

98 100

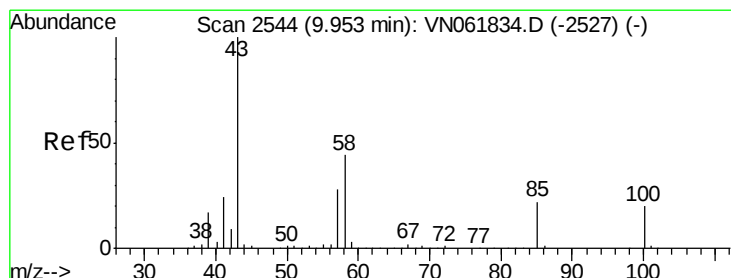
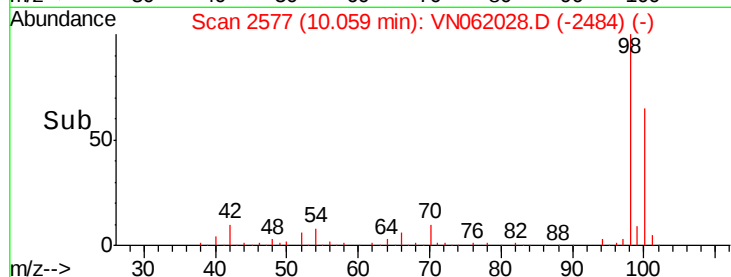
100 65.7 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VN061834.D (-2561) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.765 ug/l

RT: 10.06 min Scan# 2576

Delta R.T. 0.10 min

Lab File: VN062028.D

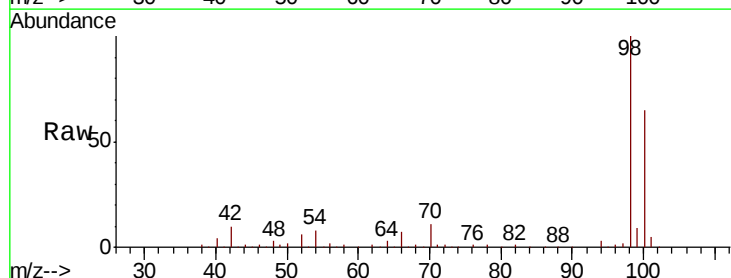
Acq: 23 Jun 2020 3:58

Tgt Ion: 43 Resp: 1590

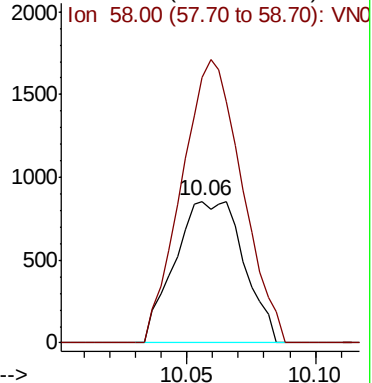
Ion Ratio Lower Upper

43 100

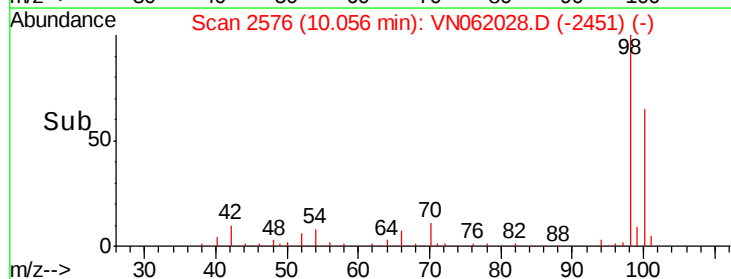
58 176.4 34.6 52.0#

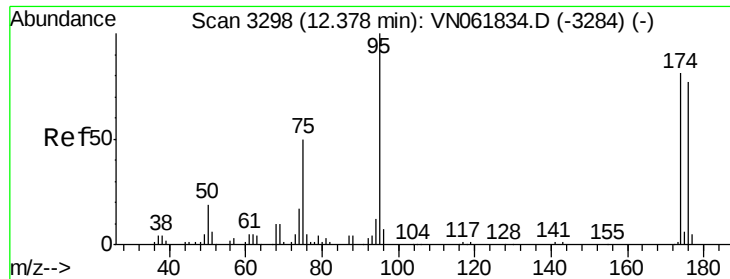


Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-2527) (-)



Time-->

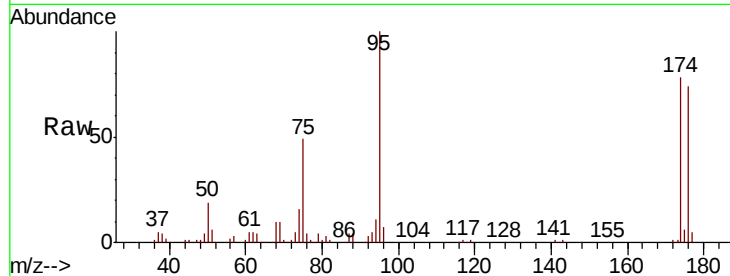




#62
4-Bromofluorobenzene
Concen: 50.057 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. -0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Instrument :
MSVOA_N
ClientSampleId :
LF017MW005-200616

Tot Ion	95	Resp	126583
Ion Ratio	100		
Lower			
Upper			
174	78.3	0.0	158.6
176	74.6	0.0	152.0

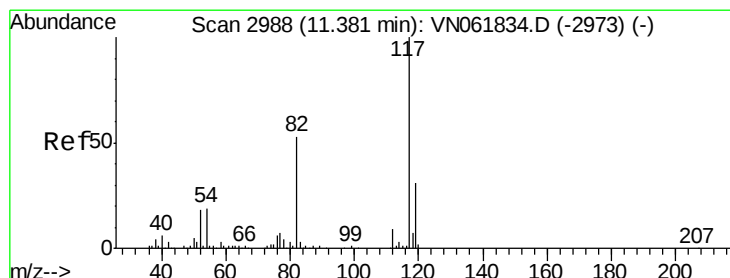
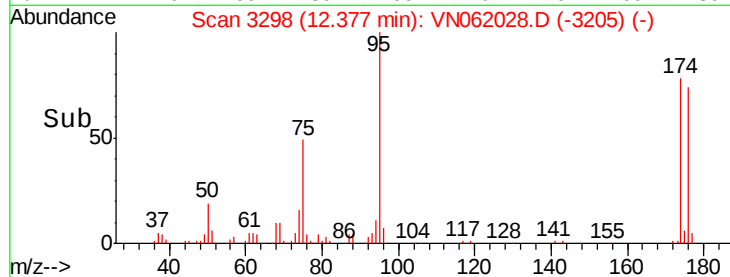
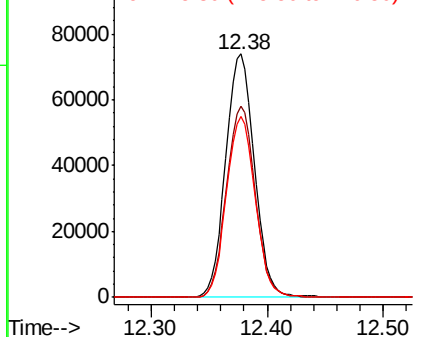


Abundance

Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

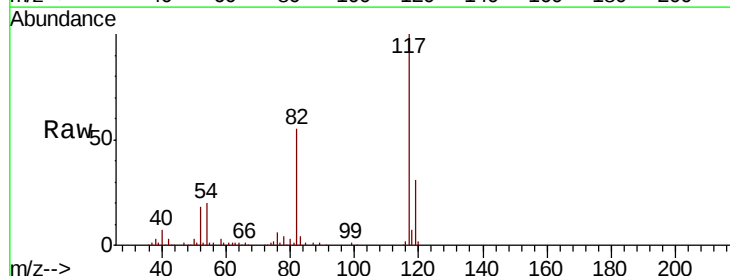
Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Tgt Ion	117	Resp	286924
Ion Ratio <td>100</td> <td></td> <td></td>	100		
Lower			
Upper			
82	54.5	42.6	64.0
119	31.5	24.7	37.1

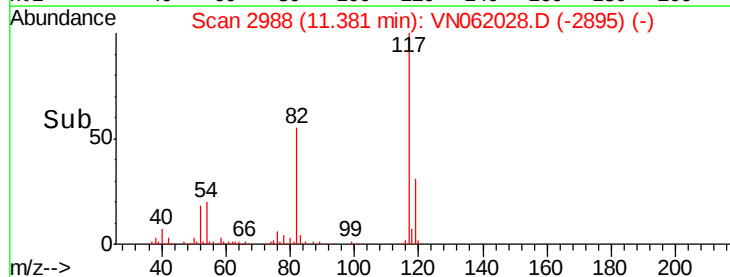
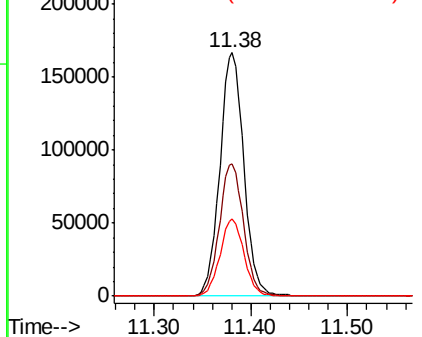


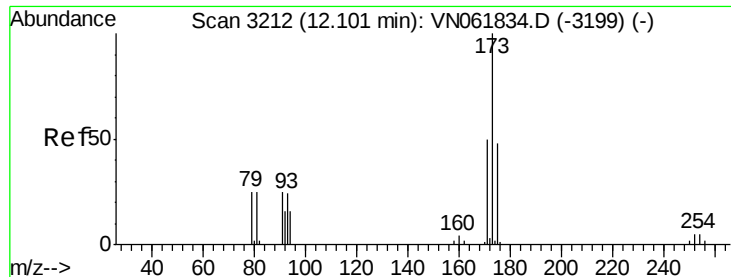
Abundance

Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)





#71

Bromoform

Concen: 0.483 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN062028.D

Acq: 23 Jun 2020 3:58

Instrument :

MSVOA_N

ClientSampleId :

LF017MW005-200616

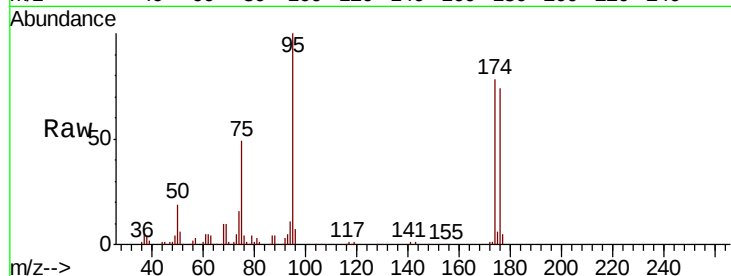
Tot Ion:173 Resp: 744

Ion Ratio Lower Upper

173 100

175 859.7 23.9 71.7#

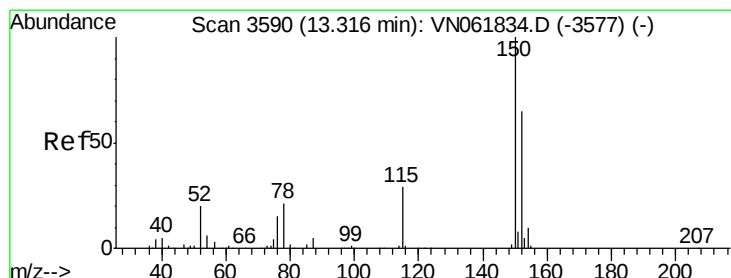
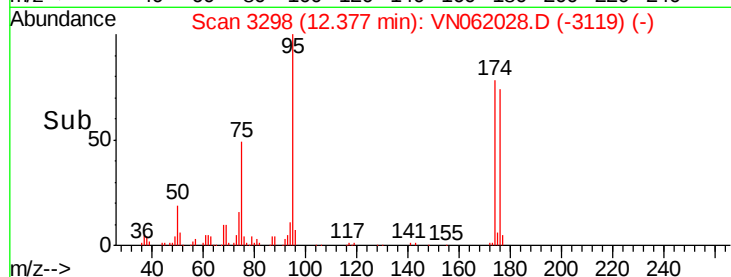
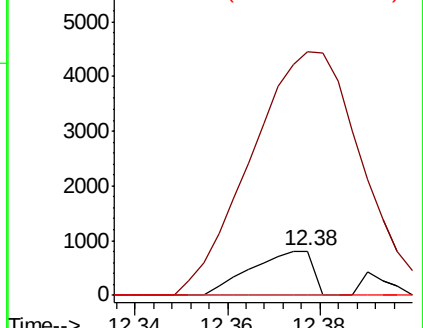
254 0.0 0.0 0.0



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: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN062028.D

Acq: 23 Jun 2020 3:58

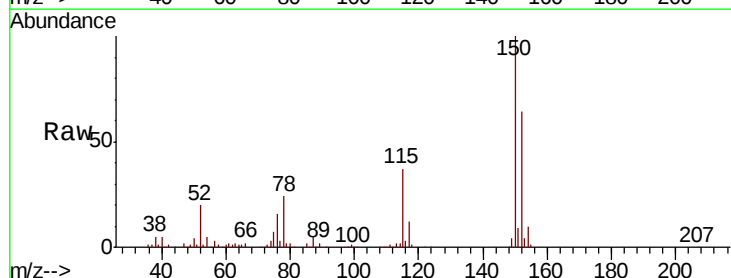
Tgt Ion:152 Resp: 116351

Ion Ratio Lower Upper

152 100

115 58.5 29.1 87.3

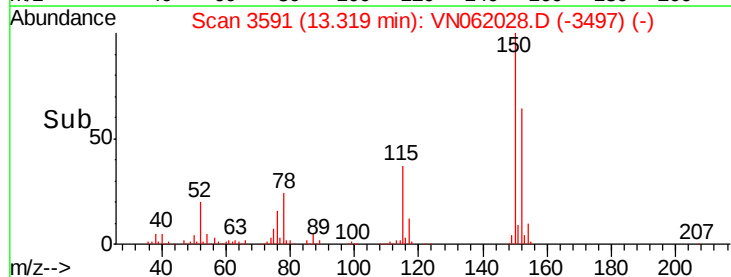
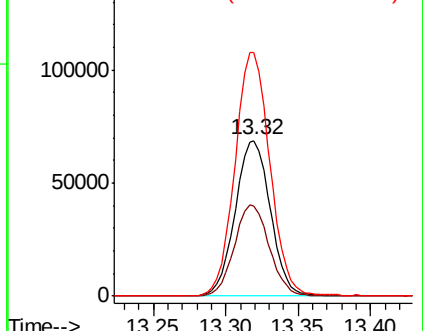
150 155.2 0.0 347.6

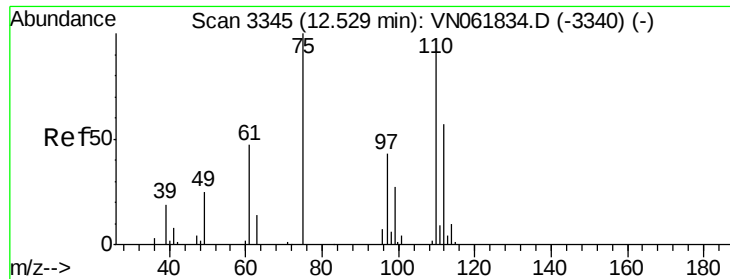


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

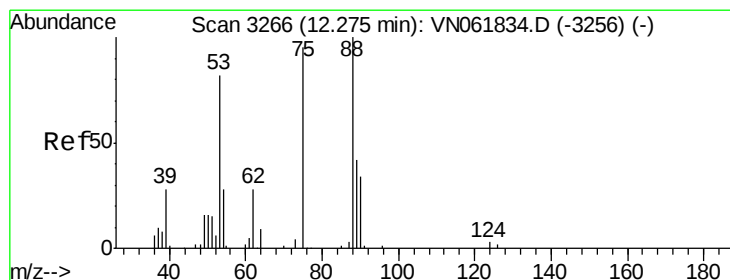
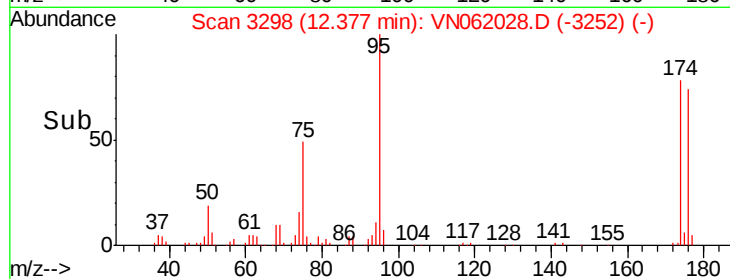
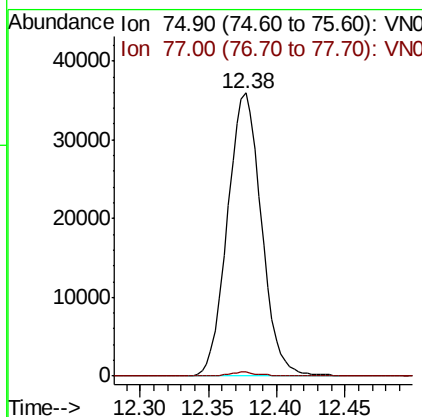
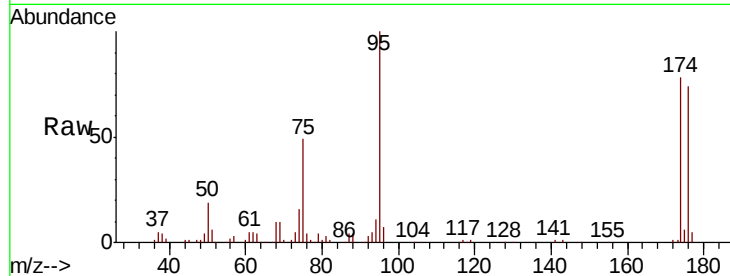




#76
 1,2,3-Trichloropropane
 Concen: 27.264 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.15 min
 Lab File: VN062028.D
 Acq: 23 Jun 2020 3:58

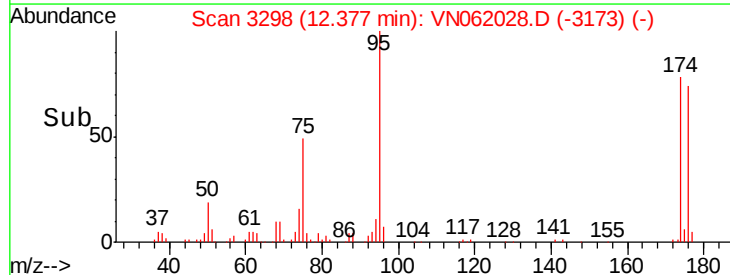
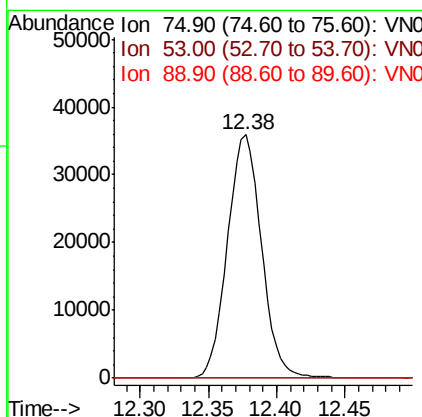
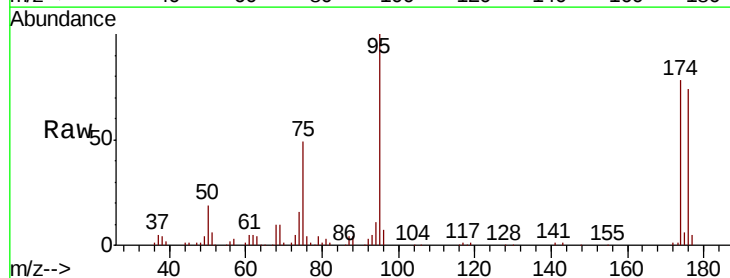
Instrument :
 MSVOA_N
 ClientSampleId :
 LF017MW005-200616

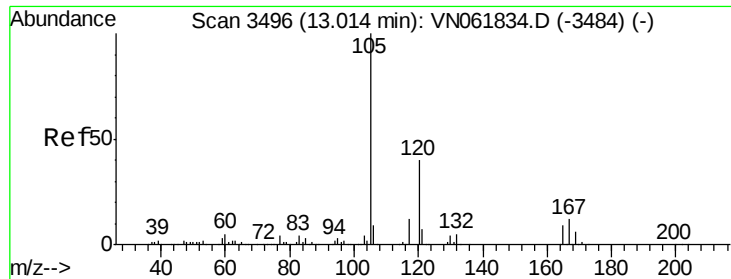
Tot Ion: 75 Resp: 62279
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 74.361 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.10 min
 Lab File: VN062028.D
 Acq: 23 Jun 2020 3:58

Tgt Ion: 75 Resp: 62279
 Ion Ratio Lower Upper
 75 100
 53 0.0 70.4 105.6#
 89 0.0 36.0 54.0#

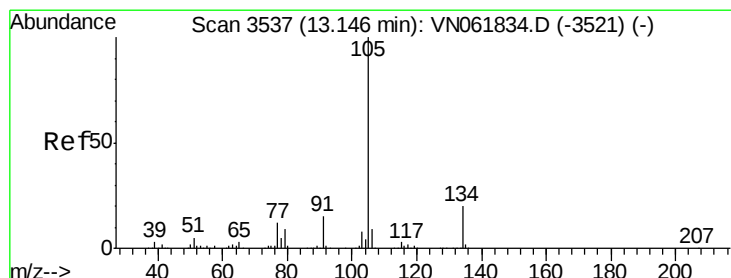
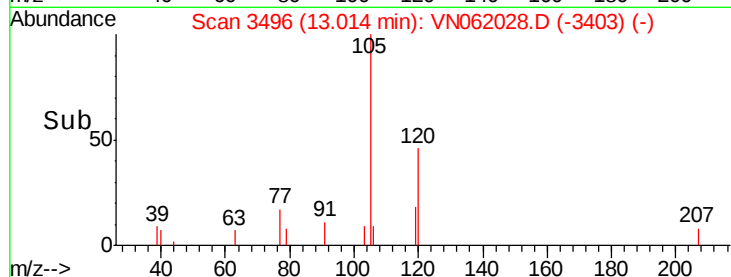
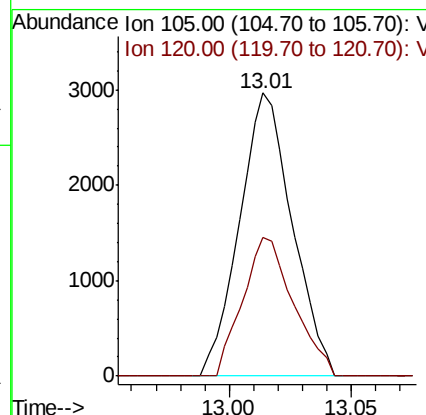
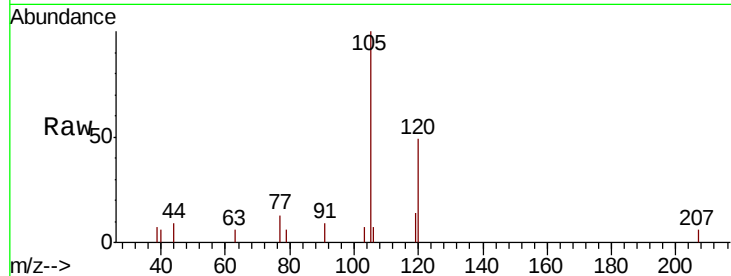




#84
1,2,4-Trimethylbenzene
Concen: 0.658 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.00 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

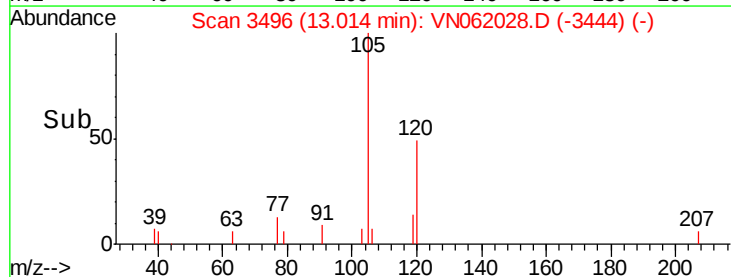
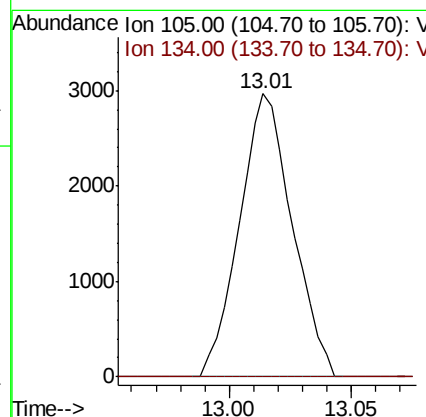
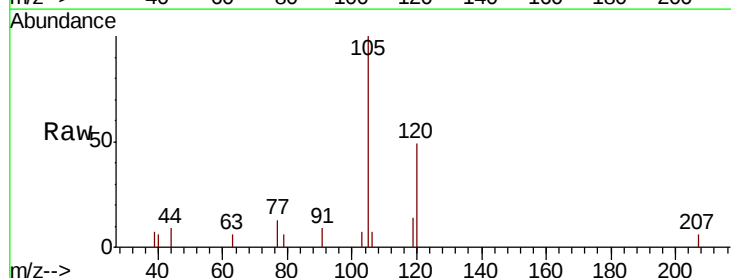
Instrument :
MSVOA_N
ClientSampleId :
LF017MW005-200616

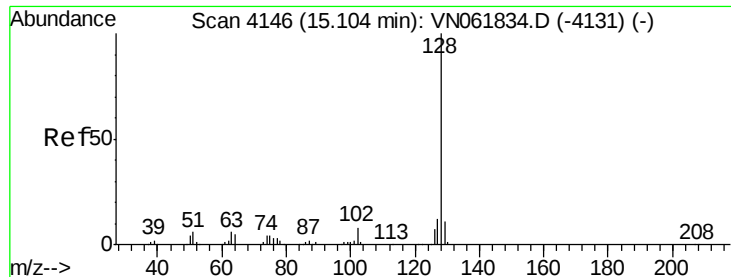
Tot Ion:105 Resp: 4442
Ion Ratio Lower Upper
105 100
120 47.0 23.3 69.9



#85
sec-Butylbenzene
Concen: 0.585 ug/l
RT: 13.01 min Scan# 3496
Delta R.T. -0.13 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Tgt Ion:105 Resp: 4442
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1#





#95
Naphthalene
Concen: 3.691 ug/l
RT: 15.11 min Scan# 4148
Delta R.T. 0.01 min
Lab File: VN062028.D
Acq: 23 Jun 2020 3:58

Instrument :
MSVOA_N
ClientSampleId :
LF017MW005-200616

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	2.3	8.6	13.0#

