

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070620\
 Data File : VN062371.D
 Acq On : 6 Jul 2020 18:43
 Operator : JC/MD
 Sample : VN0706WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBL01

Quant Time: Jul 07 05:18:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070620W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 07 05:08:51 2020
 Response via : Initial Calibration

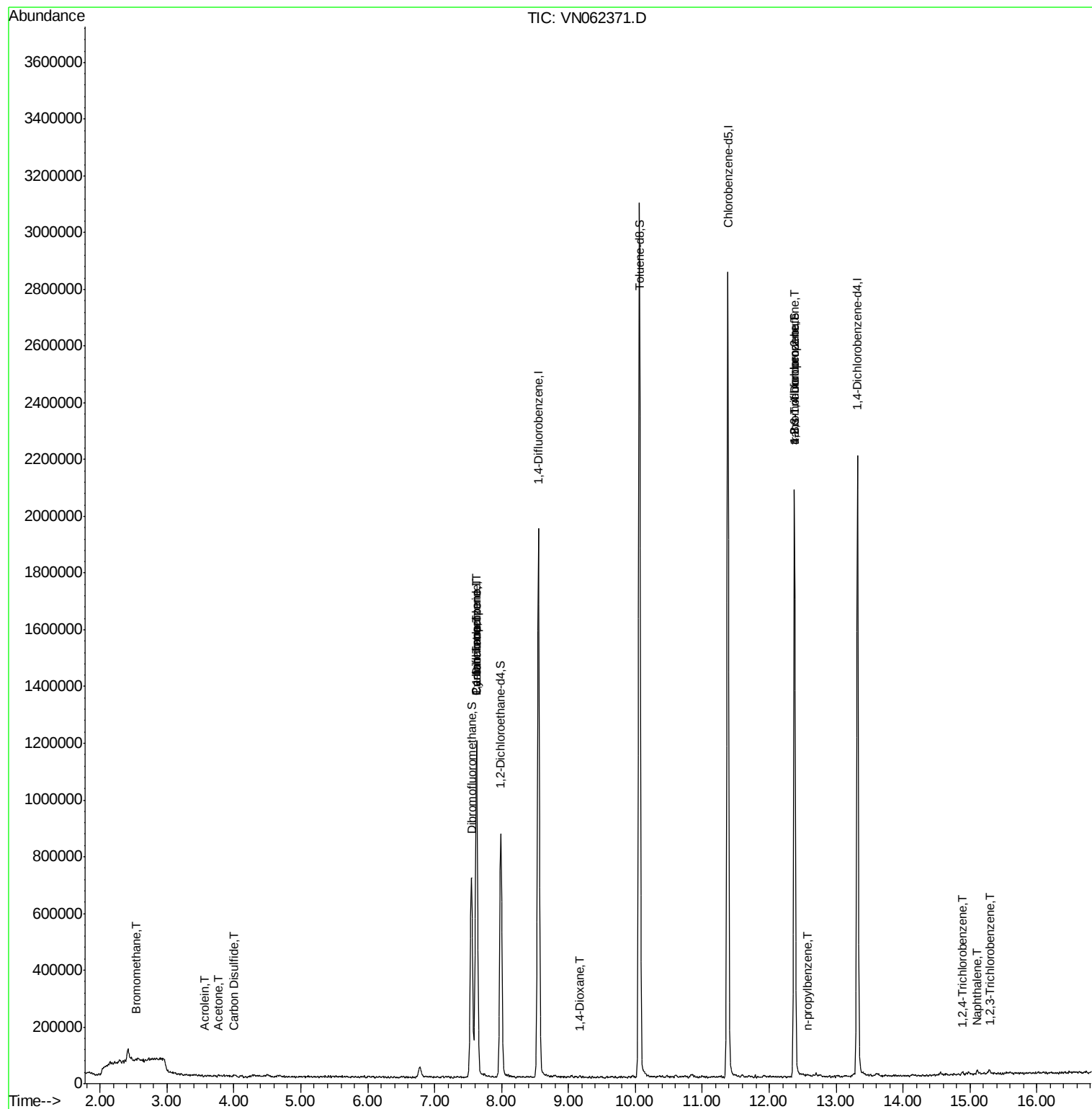
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	853649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	1543191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	1463744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	524338	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	768526	49.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.54%	
35) Dibromofluoromethane	7.55	113	517240	49.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.26%	
50) Toluene-d8	10.06	98	1980422	50.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.38	95	693977	46.04	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.08%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.55	94	2765	0.435	ug/l	81
13) Acrolein	3.56	56	507	0.894	ug/l	86
16) Acetone	3.78	43	3557	0.500	ug/l #	64
17) Carbon Disulfide	4.00	76	8620	0.310	ug/l #	95
18) Methyl Acetate	4.28	43	1960	Below Cal		96
20) Methylene Chloride	4.51	84	5995	Below Cal #		77
23) Vinyl Acetate	5.84	43	611	Below Cal #		77
31) Cyclohexane	7.63	56	25442	1.299	ug/l #	29
36) 1,1-Dichloropropene	7.63	75	83997	5.180	ug/l #	52
38) Carbon Tetrachloride	7.63	117	94778	5.812	ug/l #	16
49) 1,4-Dioxane	9.17	88	438	1.965	ug/l #	1
51) 4-Methyl-2-Pentanone	9.75	43	1792	Below Cal		97
76) 1,2,3-Trichloropropane	12.38	75	395746	31.248	ug/l #	100
78) n-propylbenzene	12.57	91	3760	0.354	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.38	75	395746	89.359	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.88	180	1565	2.907	ug/l #	26
94) Hexachlorobutadiene	14.99	225	823	Below Cal #		76
95) Naphthalene	15.11	128	9592	2.478	ug/l #	81
96) 1,2,3-Trichlorobenzene	15.30	180	2785	0.366	ug/l	92

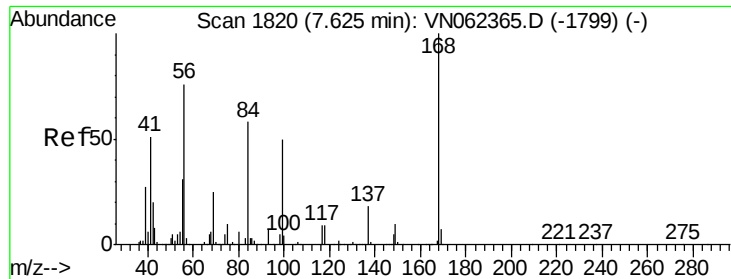
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 07 05:08:51 2020
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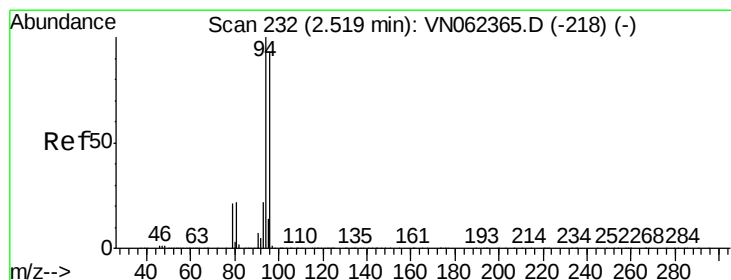
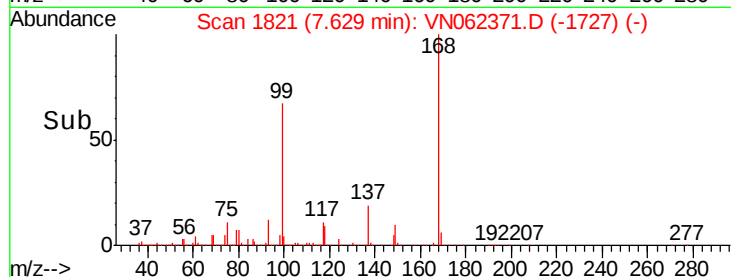
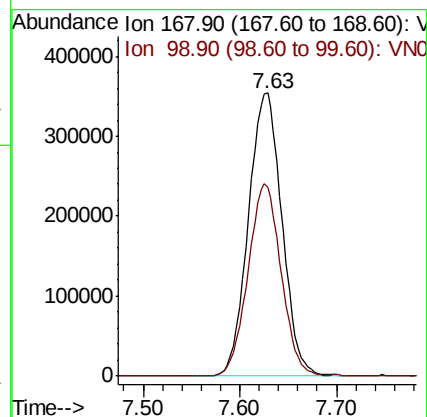
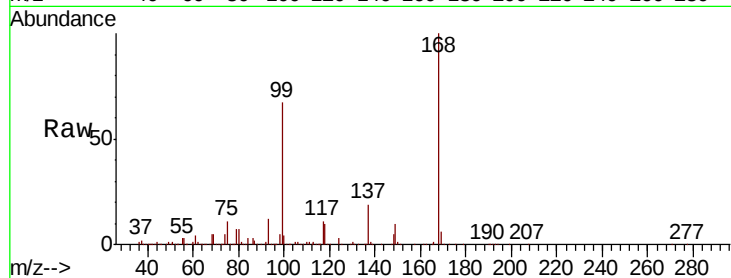




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

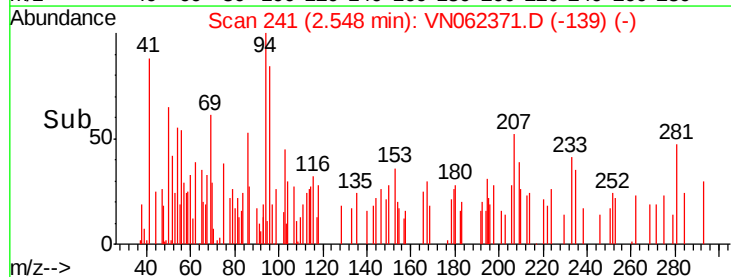
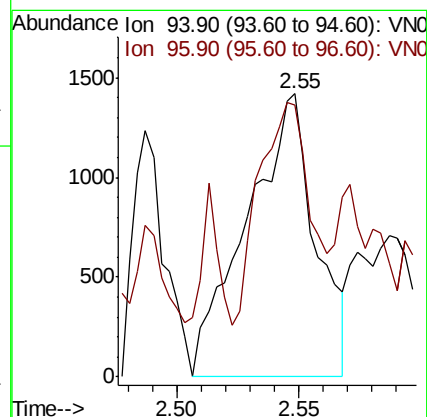
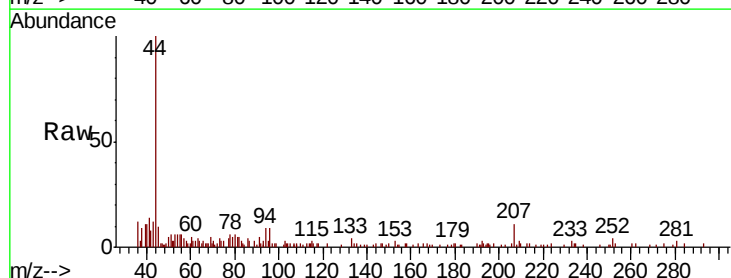
Instrument :
MSVOA_N
ClientSampleId :
VN0706WBL01

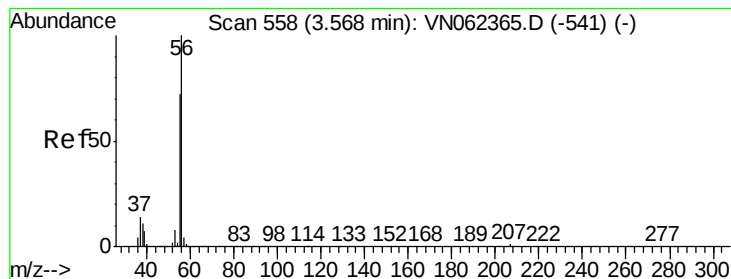
Tot Ion:168 Resp: 853649
Ion Ratio Lower Upper
168 100
99 66.6 52.9 79.3



#5
Bromomethane
Concen: 0.435 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.03 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Tgt Ion: 94 Resp: 2765
Ion Ratio Lower Upper
94 100
96 75.1 74.7 112.1





#13

Acrolein

Concen: 0.894 ug/l

RT: 3.56 min Scan# 555

Delta R.T. -0.01 min

Lab File: VN062371.D

Acq: 6 Jul 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

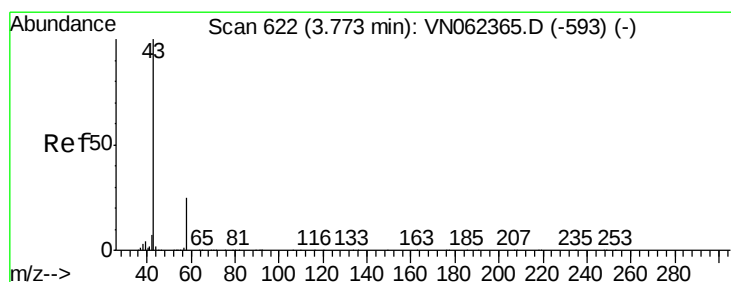
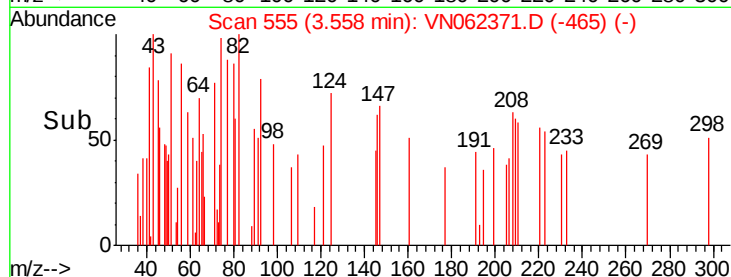
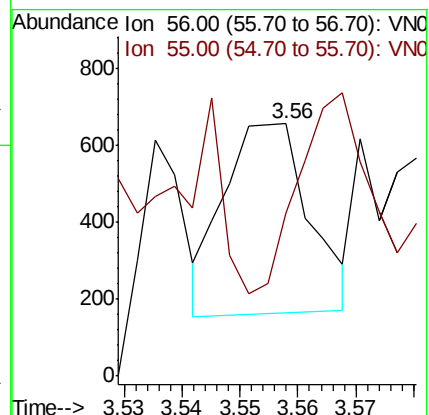
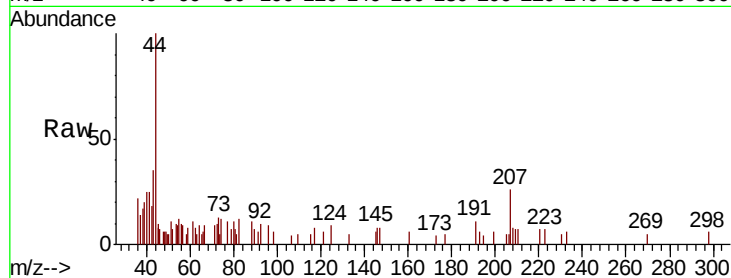
VN0706WBL01

Tot Ion: 56 Resp: 507

Ion Ratio Lower Upper

56 100

55 86.0 59.6 89.4



#16

Acetone

Concen: 0.500 ug/l

RT: 3.78 min Scan# 623

Delta R.T. 0.00 min

Lab File: VN062371.D

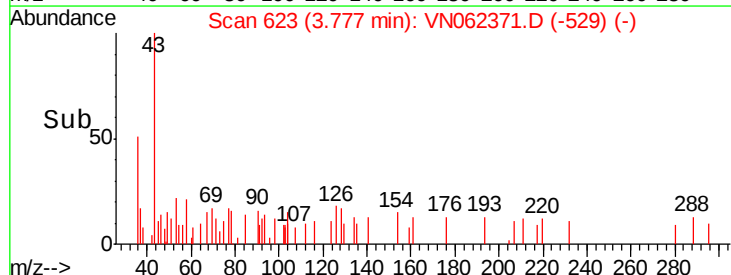
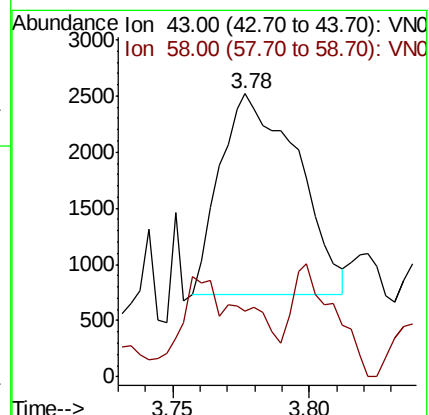
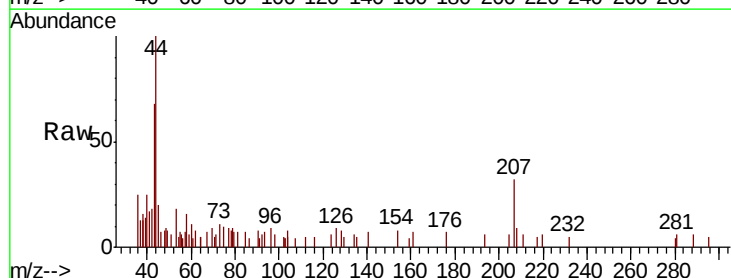
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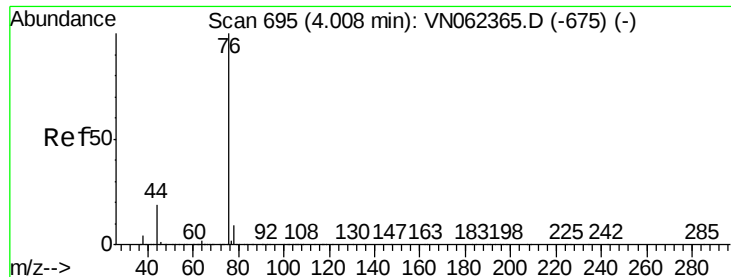
Tgt Ion: 43 Resp: 3557

Ion Ratio Lower Upper

43 100

58 7.0 19.8 29.8#

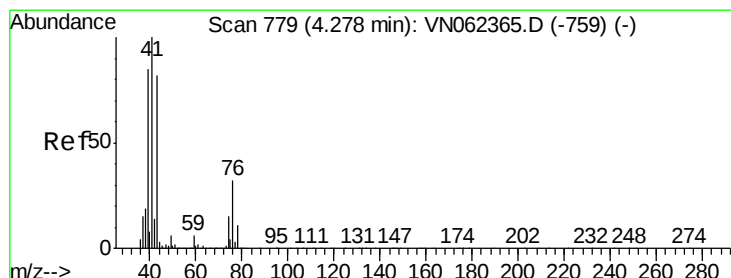
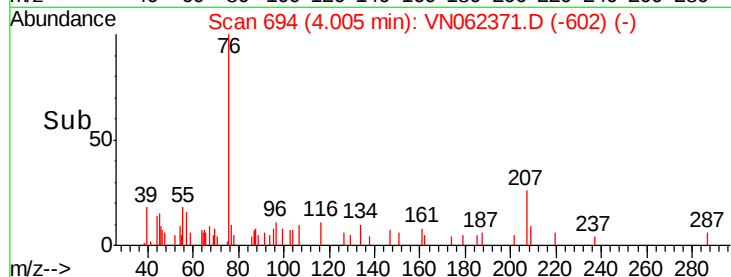
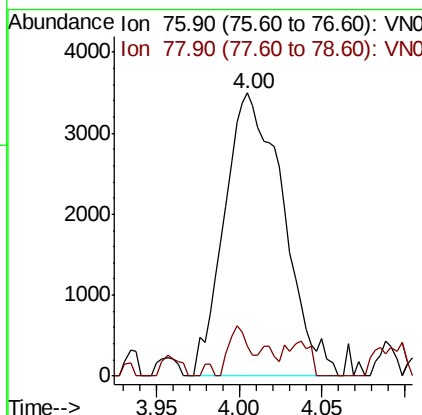
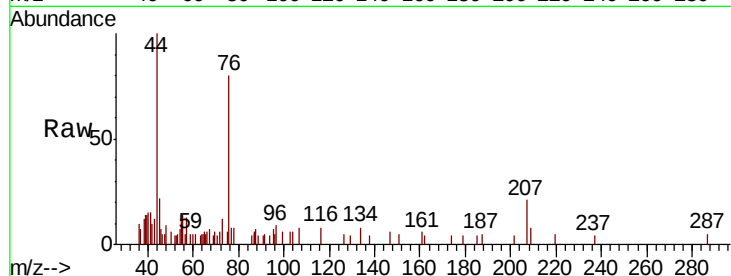




#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 4.00 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

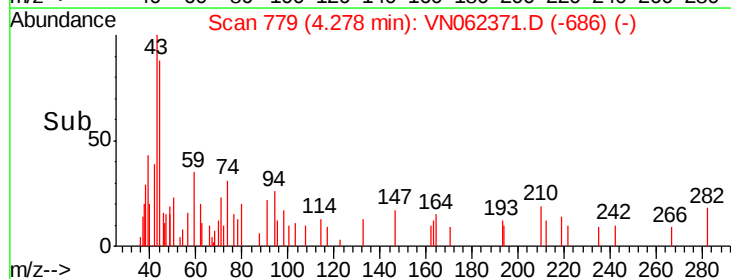
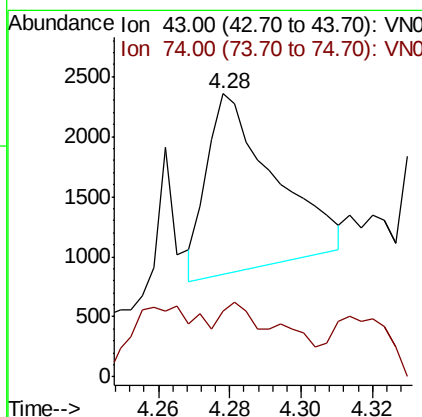
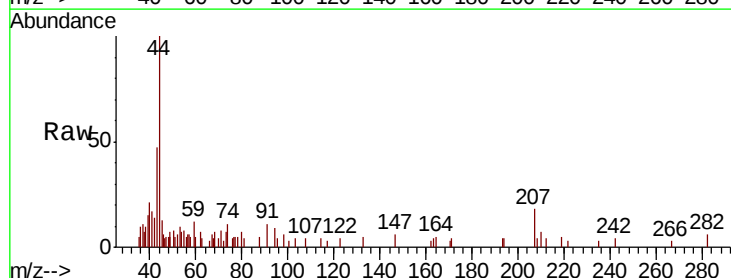
Instrument :
MSVOA_N
ClientSampleId :
VN0706WBL01

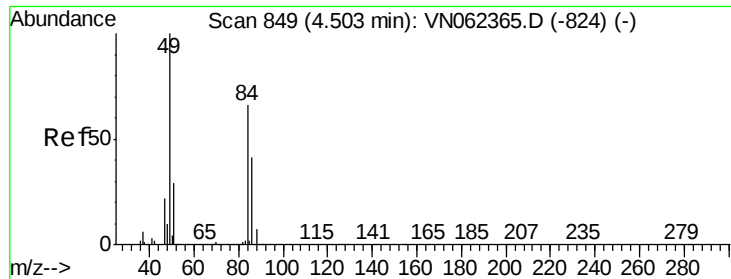
Tot Ion: 76 Resp: 8620
Ion Ratio Lower Upper
76 100
78 10.5 6.9 10.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Tgt Ion: 43 Resp: 1960
Ion Ratio Lower Upper
43 100
74 19.5 14.2 21.4

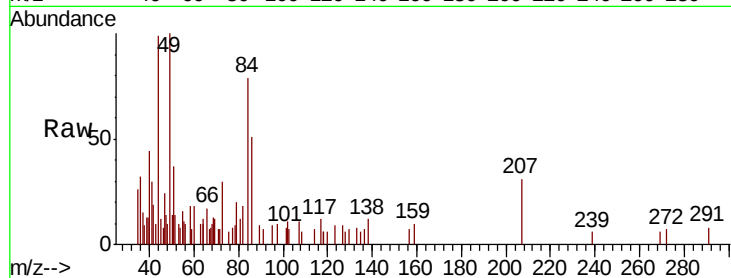




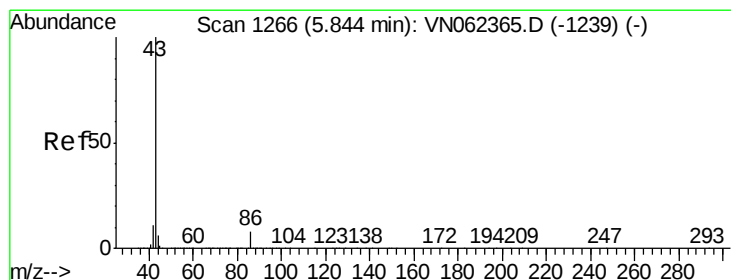
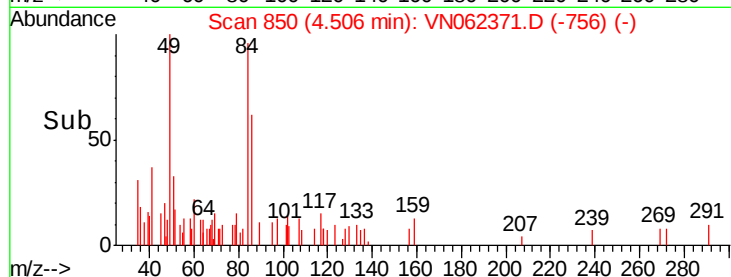
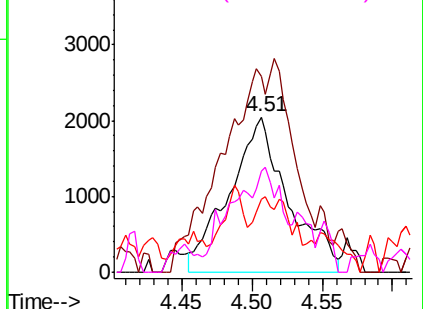
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBL01

Tot Ion: 84 Resp: 5995
Ion Ratio Lower Upper
84 100
49 111.9 121.8 182.6#
51 50.9 35.0 52.4
86 70.8 50.3 75.5

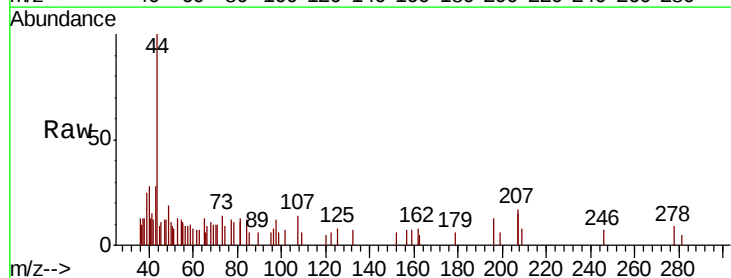


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

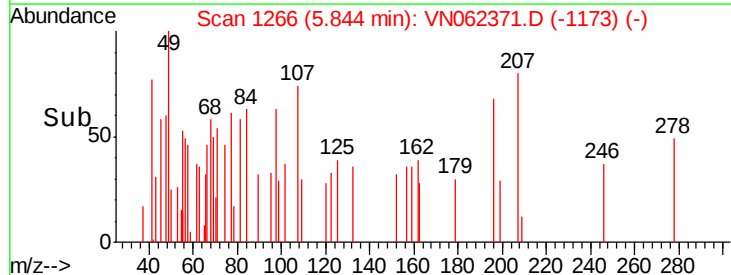
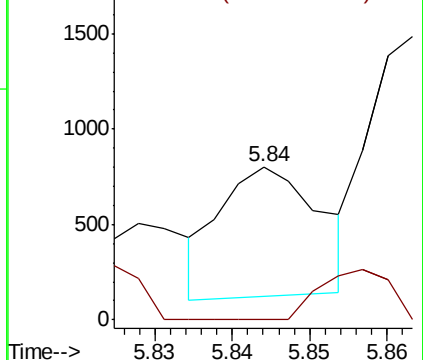


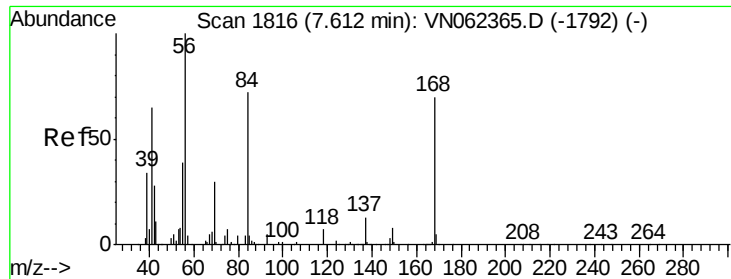
#23
Vinyl Acetate
Concen: Below Cal
RT: 5.84 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Tgt Ion: 43 Resp: 611
Ion Ratio Lower Upper
43 100
86 0.0 6.6 9.8#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 86.00 (85.70 to 86.70): VNC

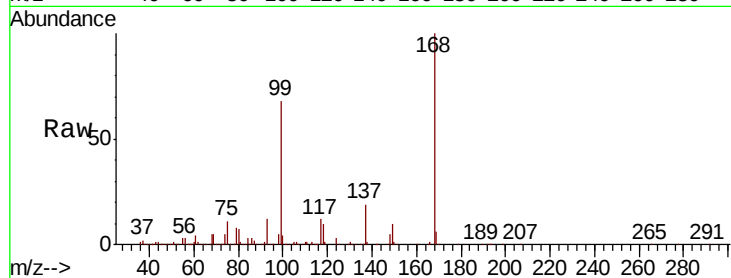




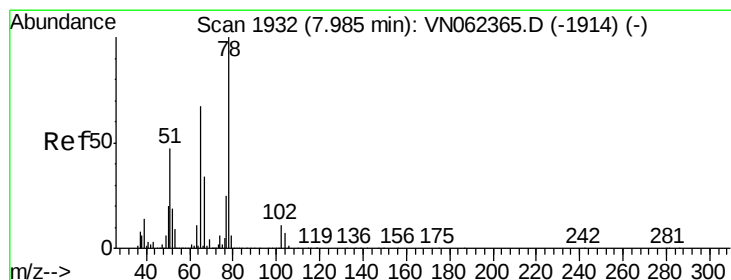
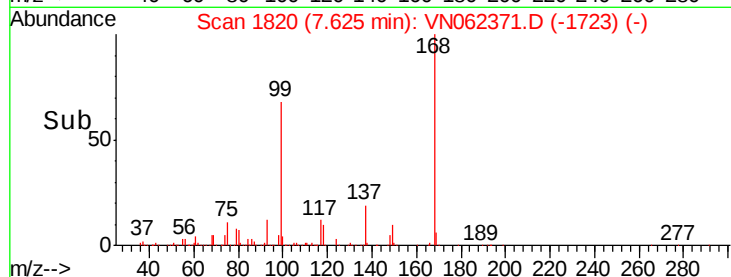
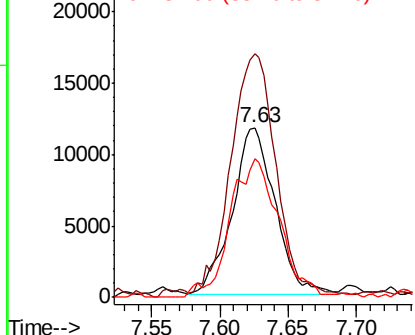
#31
Cyclohexane
Concen: 1.299 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBL01

Tot Ion: 56 Resp: 25442
Ion Ratio Lower Upper
56 100
69 143.7 23.7 35.5#
84 81.5 57.2 85.8

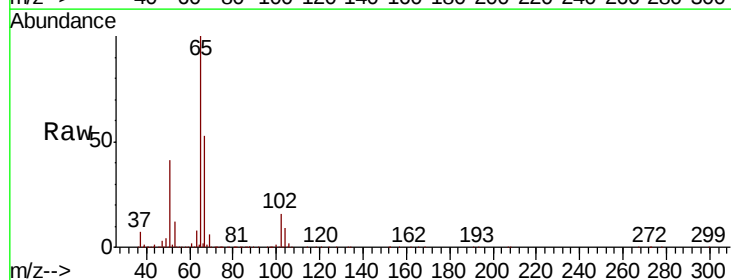


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

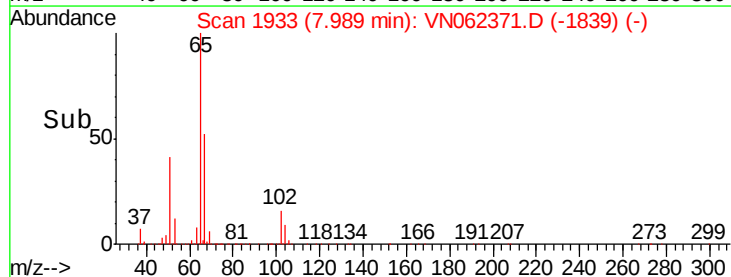
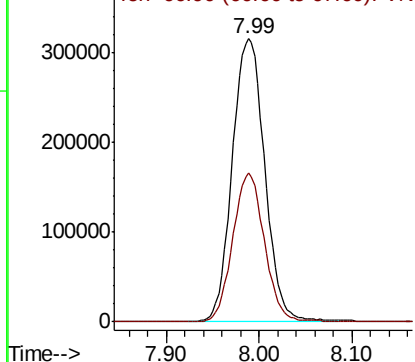


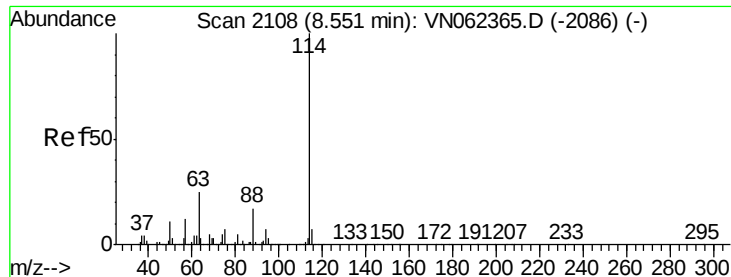
#33
1,2-Dichloroethane-d4
Concen: 49.770 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Tgt Ion: 65 Resp: 768526
Ion Ratio Lower Upper
65 100
67 50.6 0.0 101.0



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

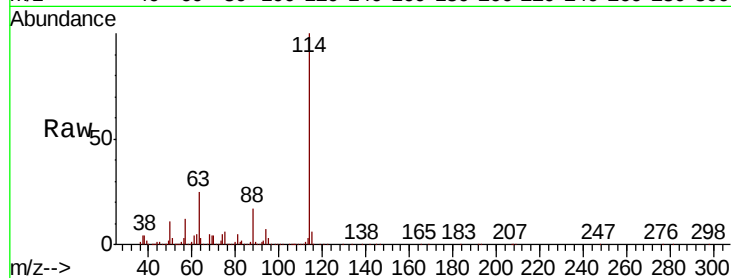




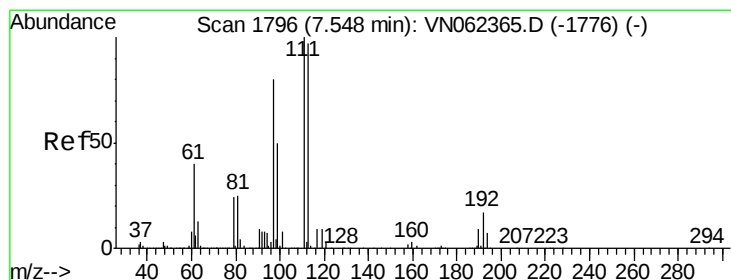
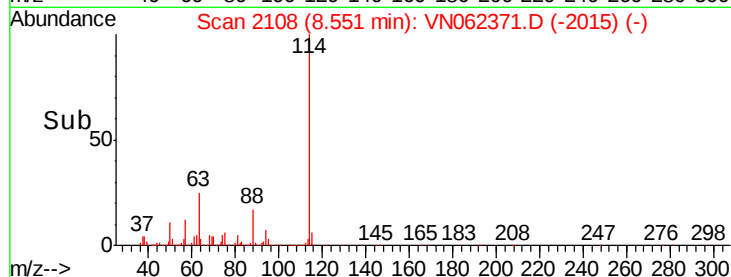
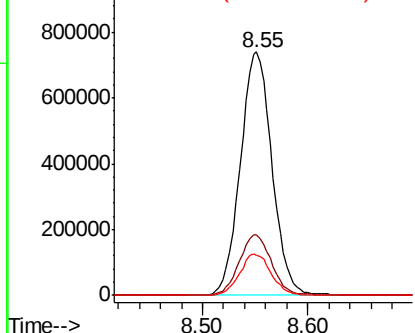
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Instrument :
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ClientSampleId :
VN0706WBL01

Tot Ion:114 Resp: 1543191
Ion Ratio Lower Upper
114 100
63 24.9 0.0 49.0
88 16.6 0.0 34.0

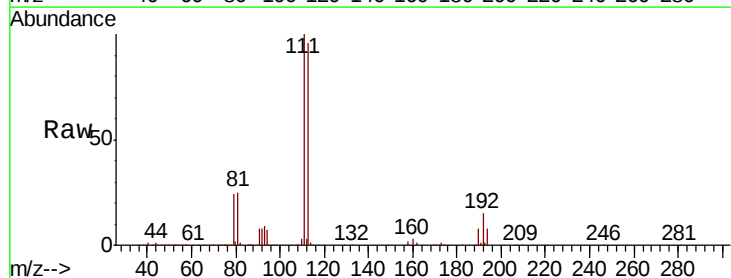


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

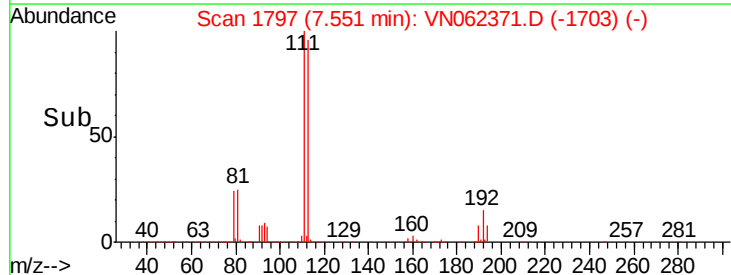
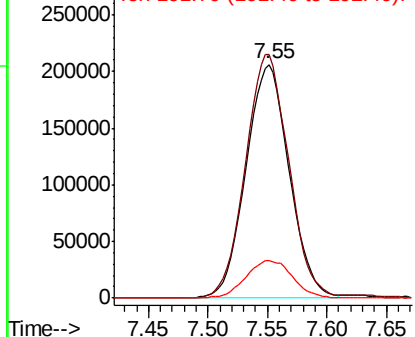


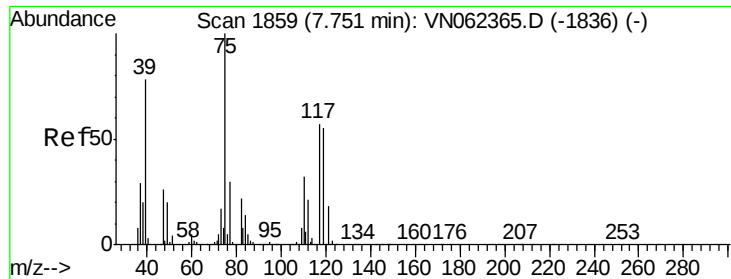
#35
Dibromofluoromethane
Concen: 49.132 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Tgt Ion:113 Resp: 517240
Ion Ratio Lower Upper
113 100
111 105.0 83.2 124.8
192 17.5 14.2 21.2



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

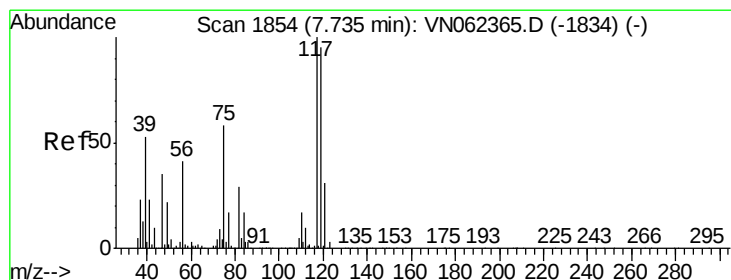
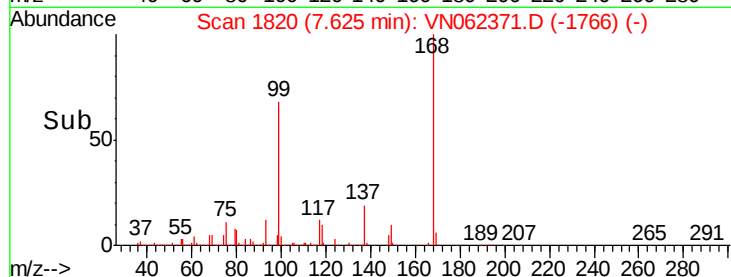
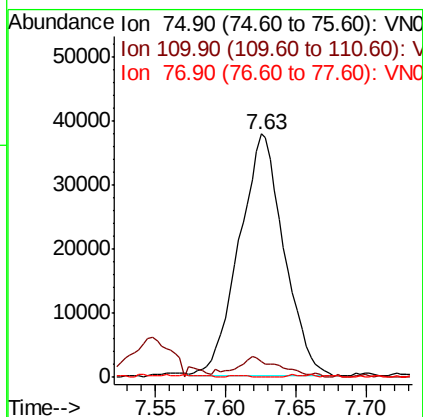
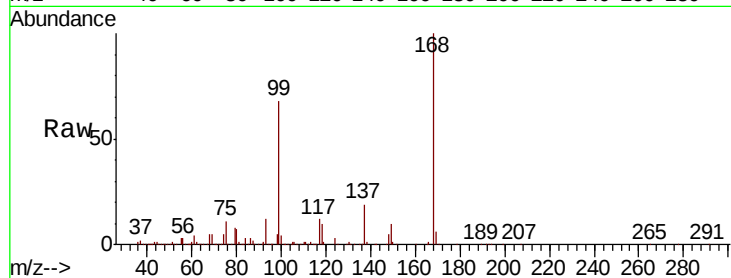




#36
 1,1-Dichloropropene
 Concen: 5.180 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN062371.D
 Acq: 6 Jul 2020 18:43

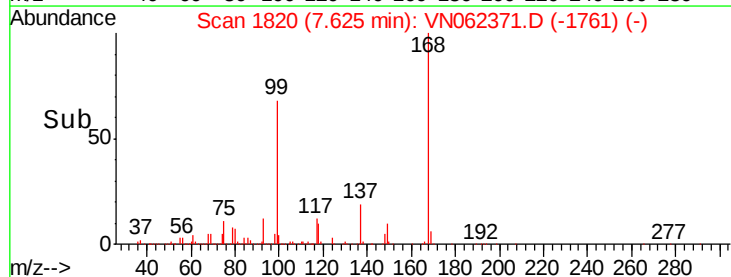
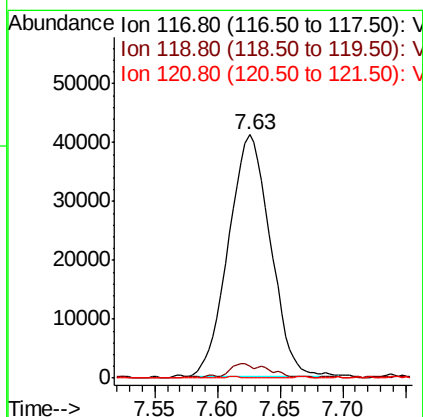
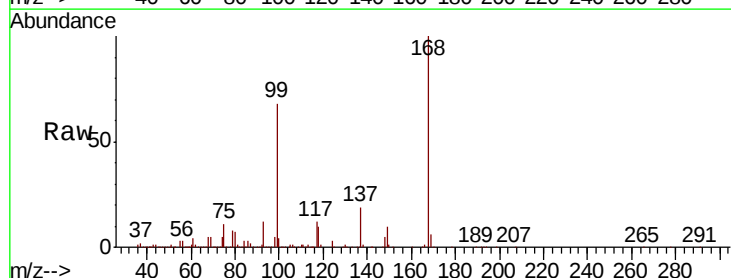
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBL01

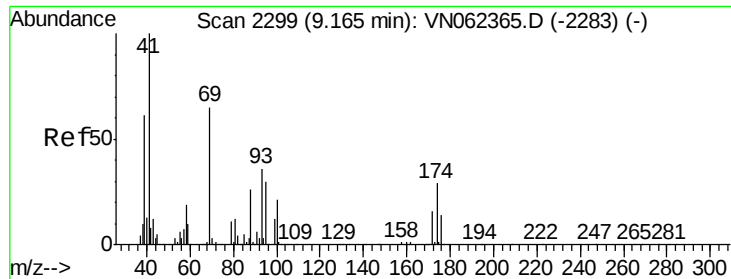
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	15.7	47.1#
77	0.1	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 5.812 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN062371.D
 Acq: 6 Jul 2020 18:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	75.9	113.9#
121	0.0	24.6	36.8#

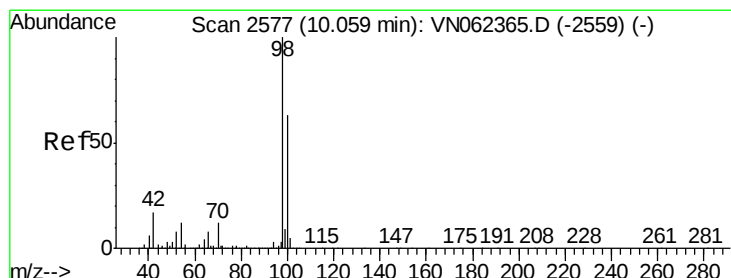
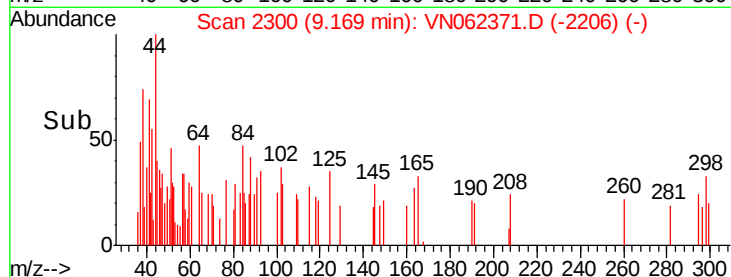
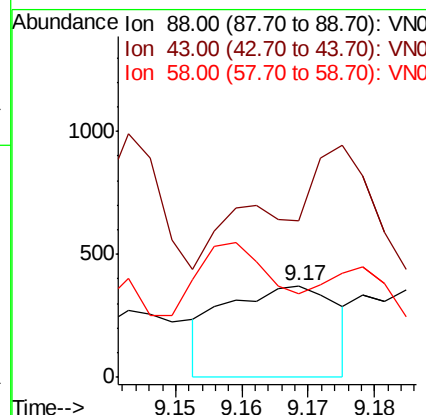
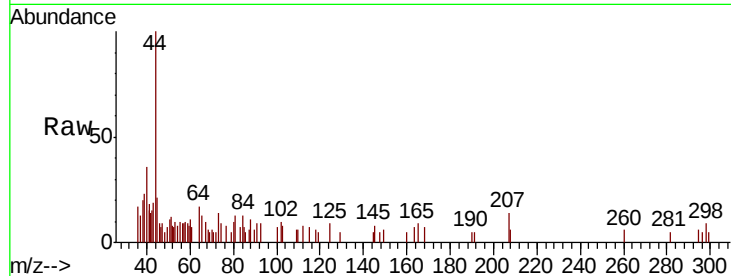




#49
1,4-Dioxane
Concen: 1.965 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

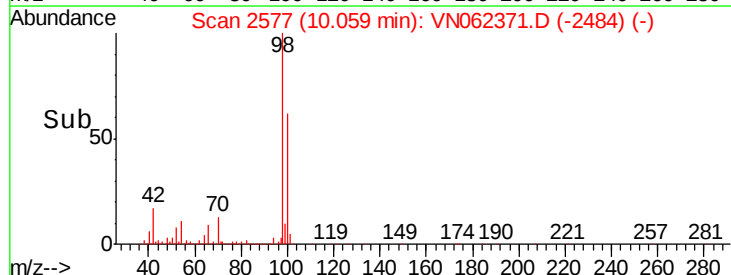
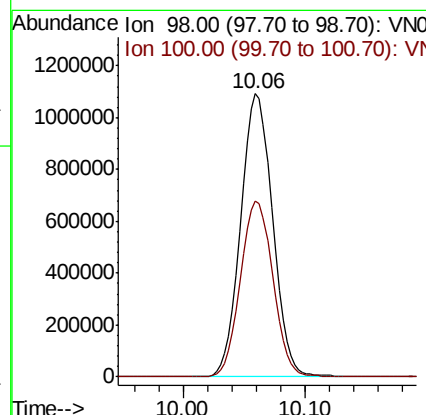
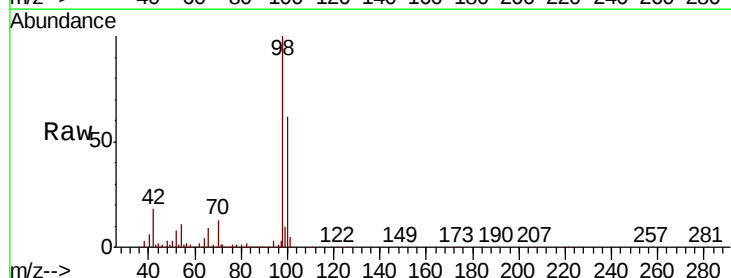
Instrument :
MSVOA_N
ClientSampleId :
VN0706WBL01

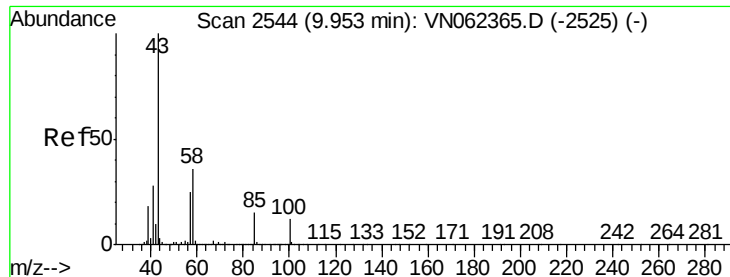
Tot Ion: 88 Resp: 438
Ion Ratio Lower Upper
88 100
43 321.9 34.0 51.0#
58 51.4 63.0 94.4#



#50
Toluene-d8
Concen: 50.323 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Tgt Ion: 98 Resp: 1980422
Ion Ratio Lower Upper
98 100
100 63.2 50.2 75.2

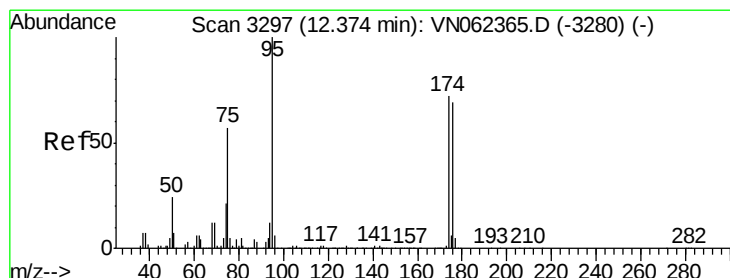
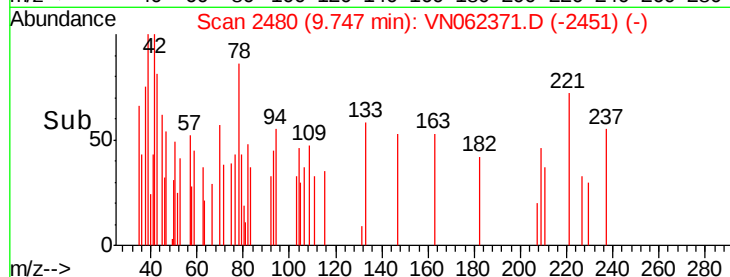
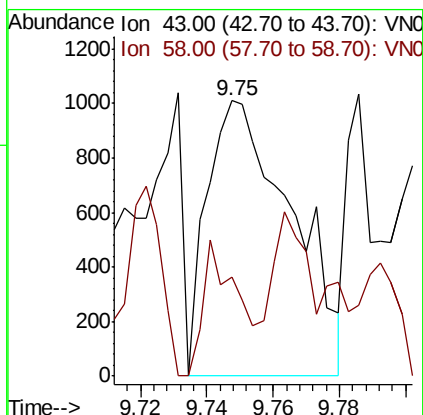
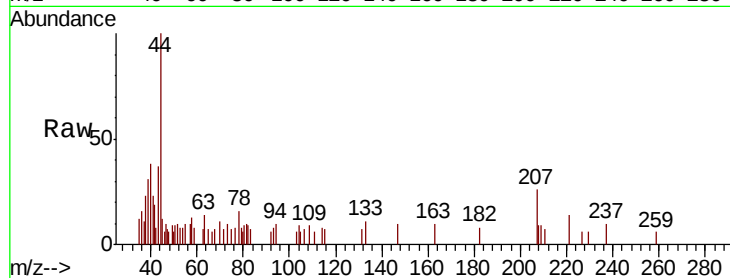




#51
4-Methyl-2-Pentanone
Concen: Below Cal
RT: 9.75 min Scan# 2480
Delta R.T. -0.21 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

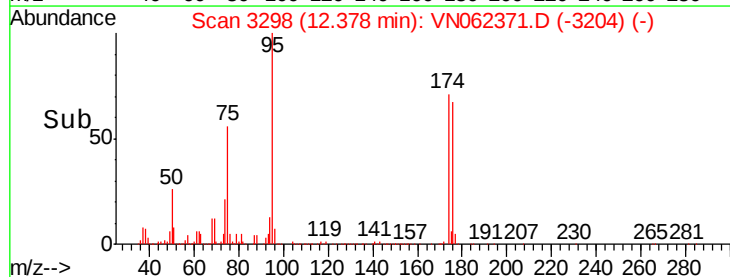
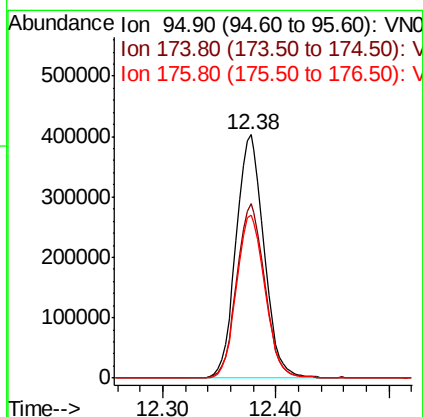
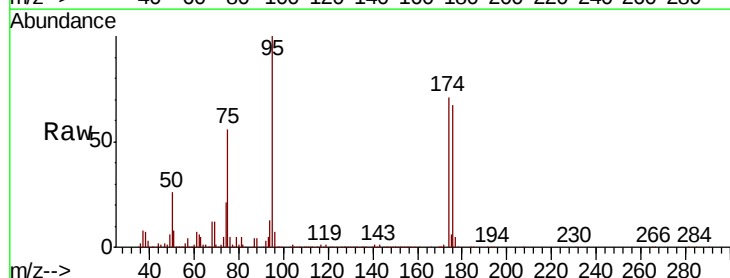
Instrument :
MSVOA_N
ClientSampleId :
VN0706WBL01

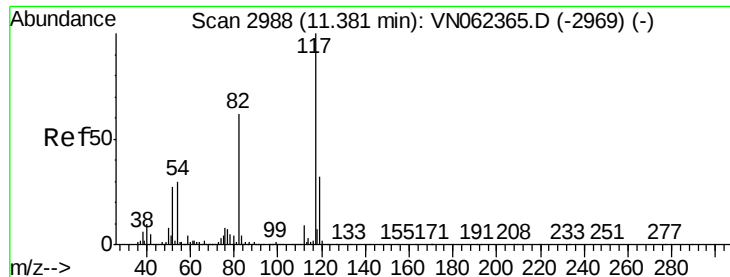
Tot Ion: 43 Resp: 1792
Ion Ratio Lower Upper
43 100
58 36.0 27.6 41.4



#62
4-Bromofluorobenzene
Concen: 46.044 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Tgt Ion: 95 Resp: 693977
Ion Ratio Lower Upper
95 100
174 72.0 0.0 145.8
176 68.4 0.0 140.2

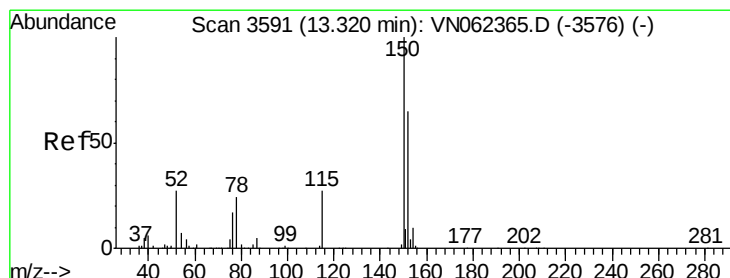
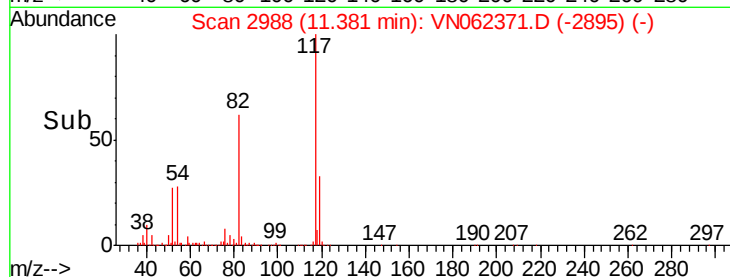
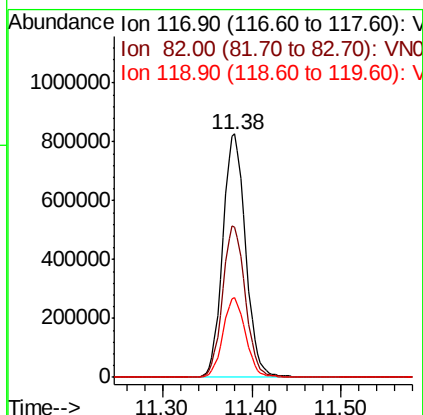
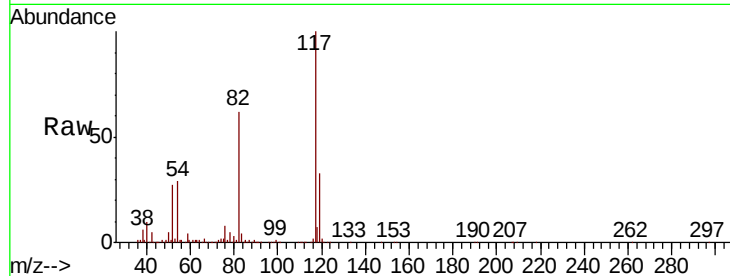




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

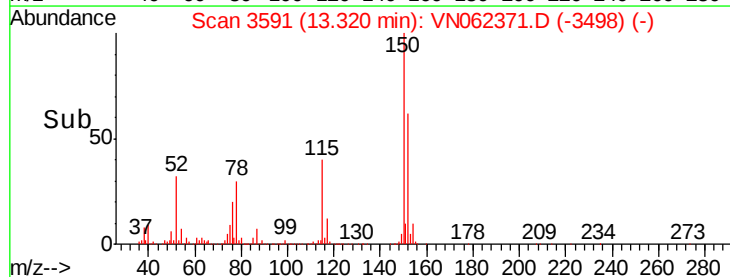
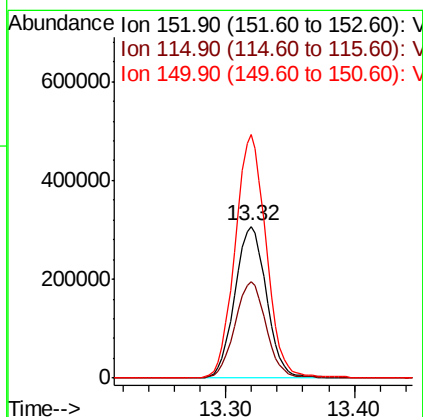
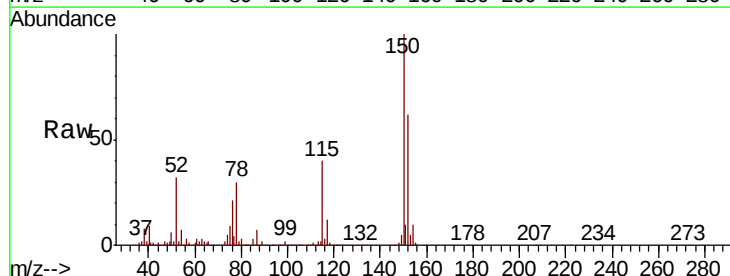
Instrument :
MSVOA_N
ClientSampled :
VN0706WBL01

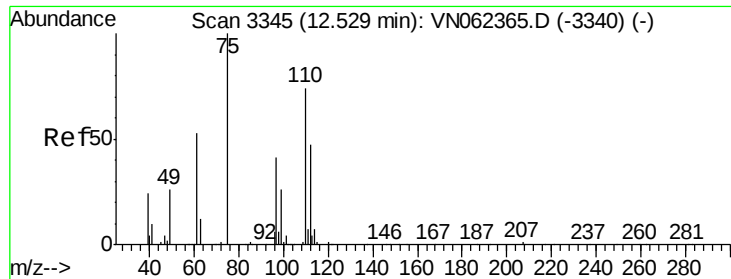
Tot Ion:117 Resp: 1463744
Ion Ratio Lower Upper
117 100
82 61.9 49.4 74.2
119 32.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062371.D
Acq: 6 Jul 2020 18:43

Tgt Ion:152 Resp: 524338
Ion Ratio Lower Upper
152 100
115 62.8 30.5 91.5
150 157.6 0.0 346.8





#76

1,2,3-Trichloropropane

Concen: 31.248 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN062371.D

Acq: 6 Jul 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

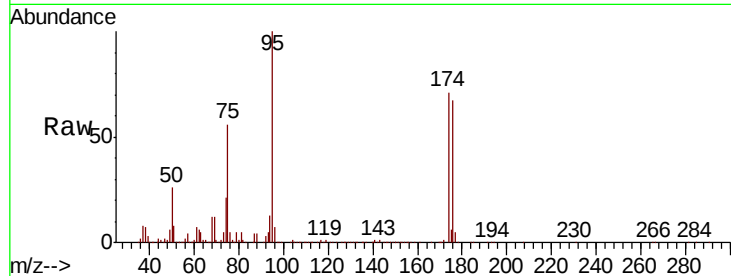
VN0706WBL01

Tot Ion: 75 Resp: 395746

Ion Ratio Lower Upper

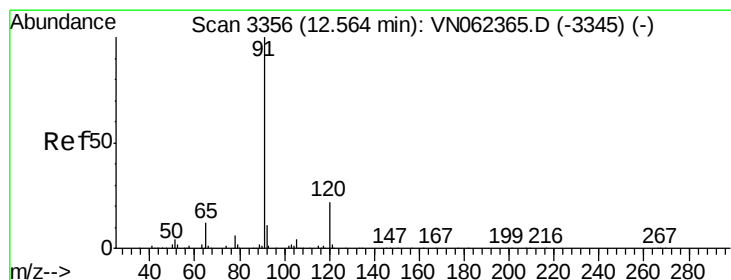
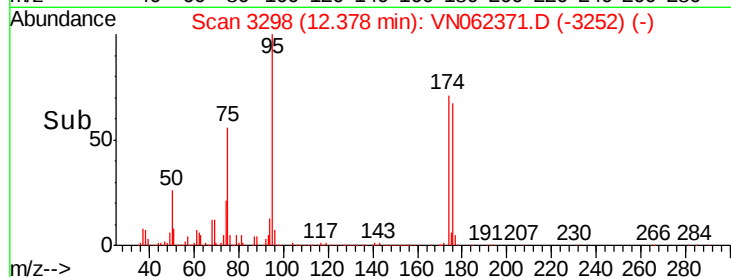
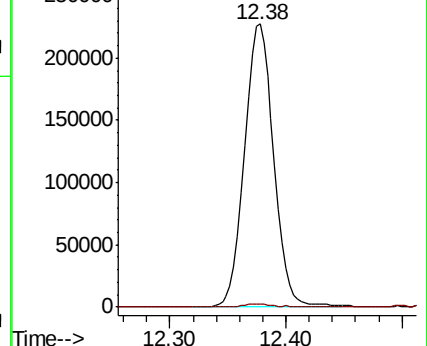
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 0.354 ug/l

RT: 12.57 min Scan# 3358

Delta R.T. 0.01 min

Lab File: VN062371.D

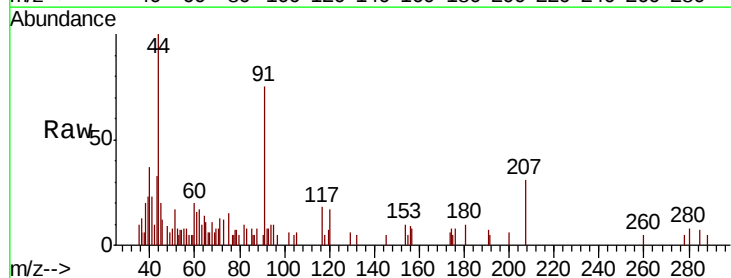
Acq: 6 Jul 2020 18:43

Tgt Ion: 91 Resp: 3760

Ion Ratio Lower Upper

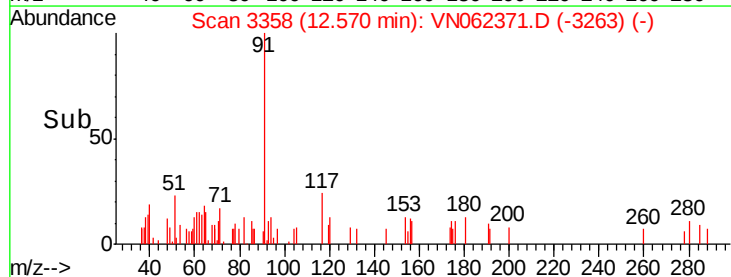
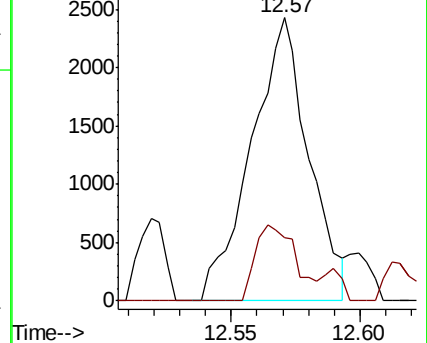
91 100

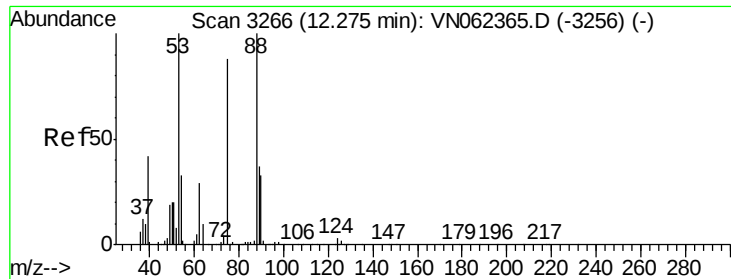
120 19.2 10.9 32.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 89.359 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN062371.D

Acq: 6 Jul 2020 18:43

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBL01

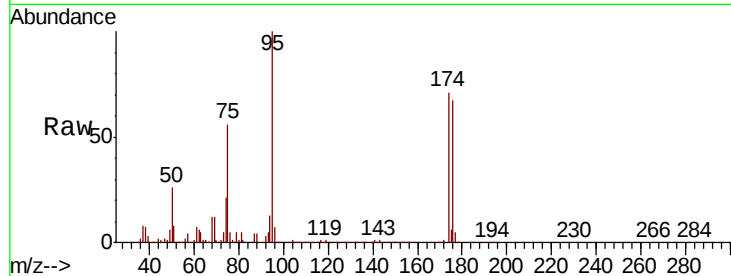
Tot Ion: 75 Resp: 395746

Ion Ratio Lower Upper

75 100

53 0.4 92.3 138.5#

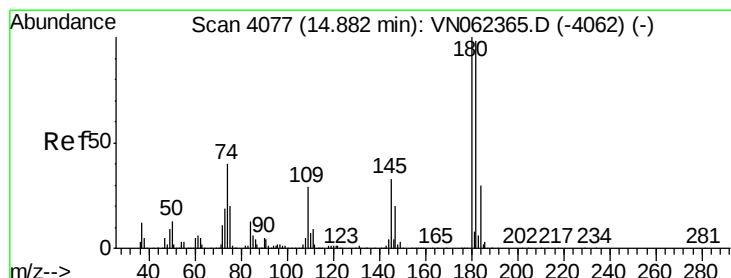
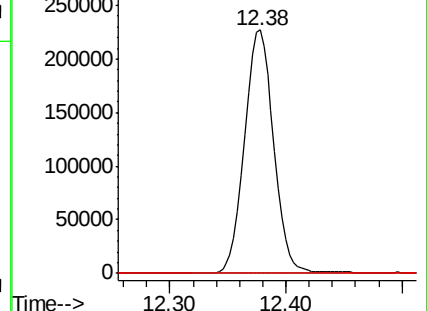
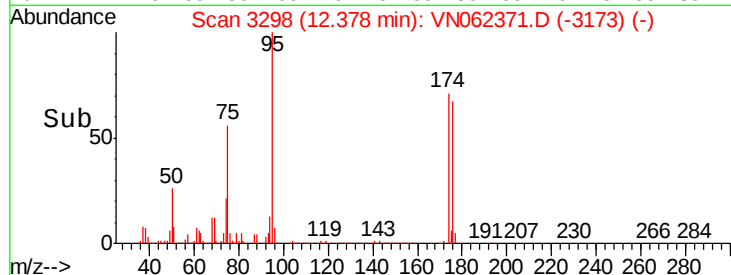
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN062371.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN062371.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN062371.D (-3173) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.907 ug/l

RT: 14.88 min Scan# 4077

Delta R.T. 0.00 min

Lab File: VN062371.D

Acq: 6 Jul 2020 18:43

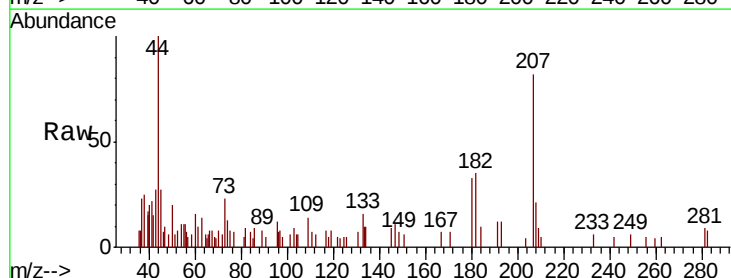
Tgt Ion: 180 Resp: 1565

Ion Ratio Lower Upper

180 100

182 0.0 47.6 142.8#

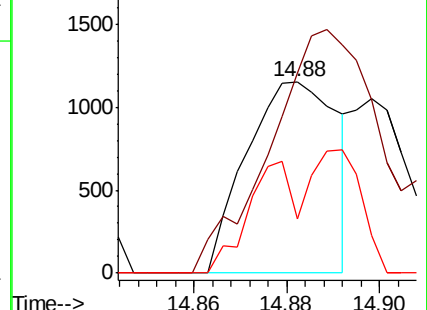
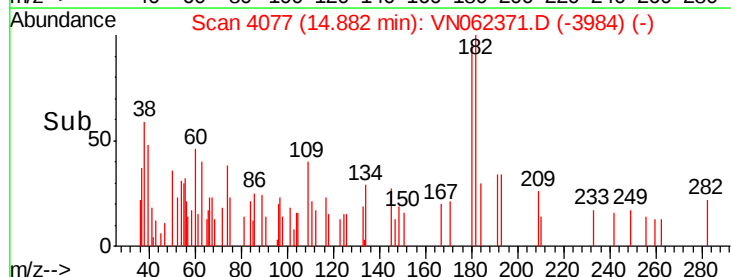
145 29.9 15.9 47.7

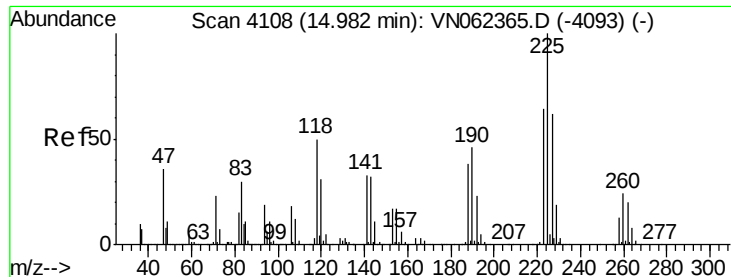


Abundance Ion 179.80 (179.50 to 180.50): VN062371.D (-3984) (-)

Ion 181.80 (181.50 to 182.50): VN062371.D (-3984) (-)

Ion 144.80 (144.50 to 145.50): VN062371.D (-3984) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062371.D

Acq: 6 Jul 2020 18:43

Instrument :

MSVOA_N

ClientSampled :

VN0706WBL01

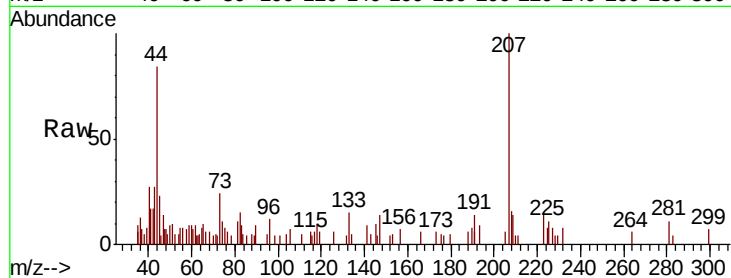
Tot Ion:225 Resp: 823

Ion Ratio Lower Upper

225 100

223 95.7 31.7 95.1#

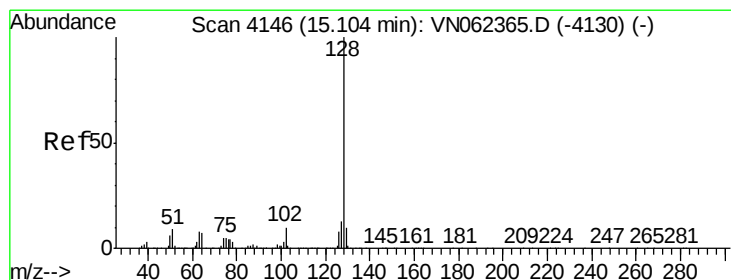
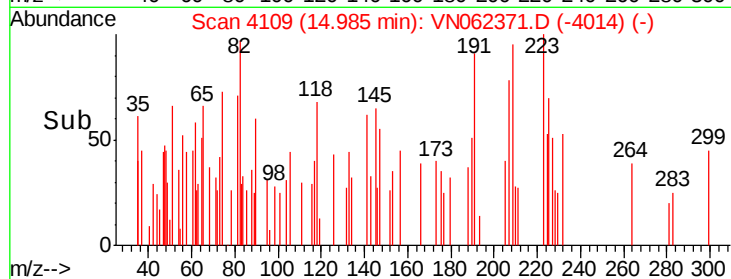
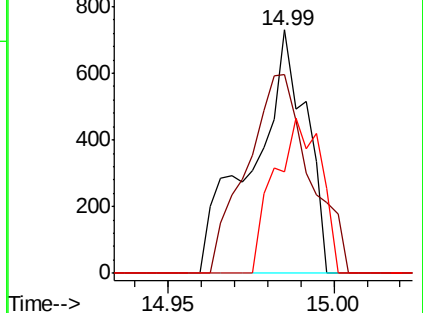
227 55.7 30.3 90.8



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.478 ug/l

RT: 15.11 min Scan# 4148

Delta R.T. 0.01 min

Lab File: VN062371.D

Acq: 6 Jul 2020 18:43

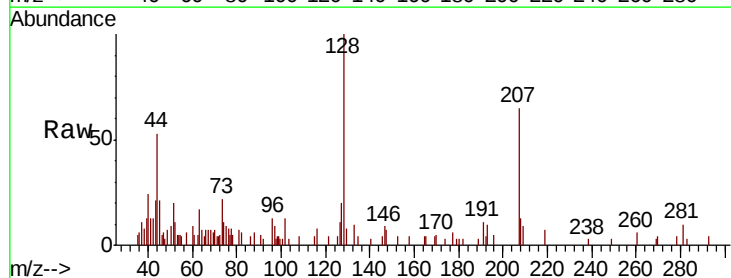
Tgt Ion:128 Resp: 9592

Ion Ratio Lower Upper

128 100

127 18.8 10.8 16.2#

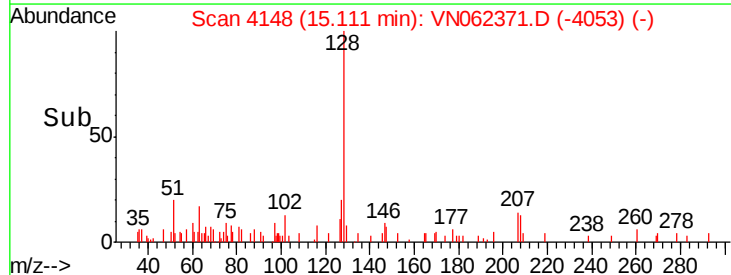
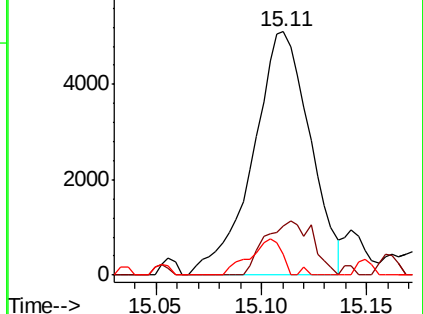
129 0.4 8.6 12.8#

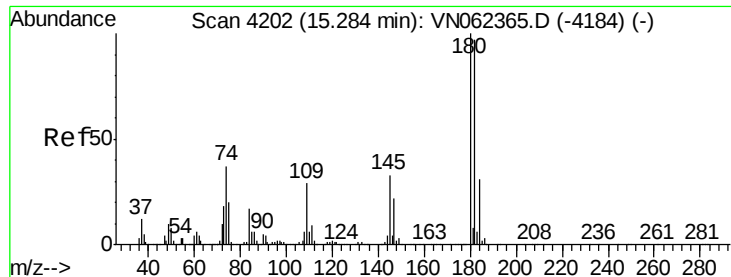


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

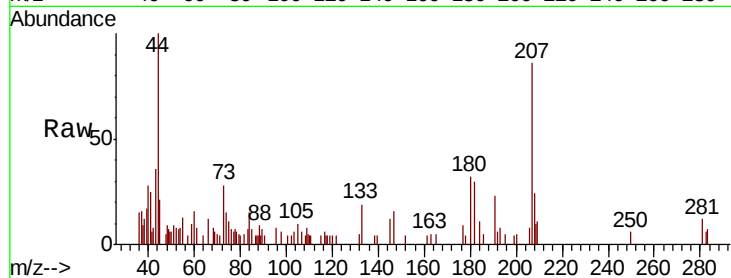




#96
 1,2,3-Trichlorobenzene
 Concen: 0.366 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. 0.01 min
 Lab File: VN062371.D
 Acq: 6 Jul 2020 18:43

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.9	143.7
145	44.3	16.4	49.2



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

