

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN032720\
 Data File : VN060732.D
 Acq On : 27 Mar 2020 11:12
 Operator : JC/MD
 Sample : VN0327WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBL01

Quant Time: Mar 28 01:56:39 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	184841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	303087	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	271144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	110534	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	117408	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	7.56	113	90397	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	10.08	98	369935	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
62) 4-Bromofluorobenzene	12.40	95	129242	47.11	ug/l	0.00
Spiked Amount			Recovery	=	94.22%	

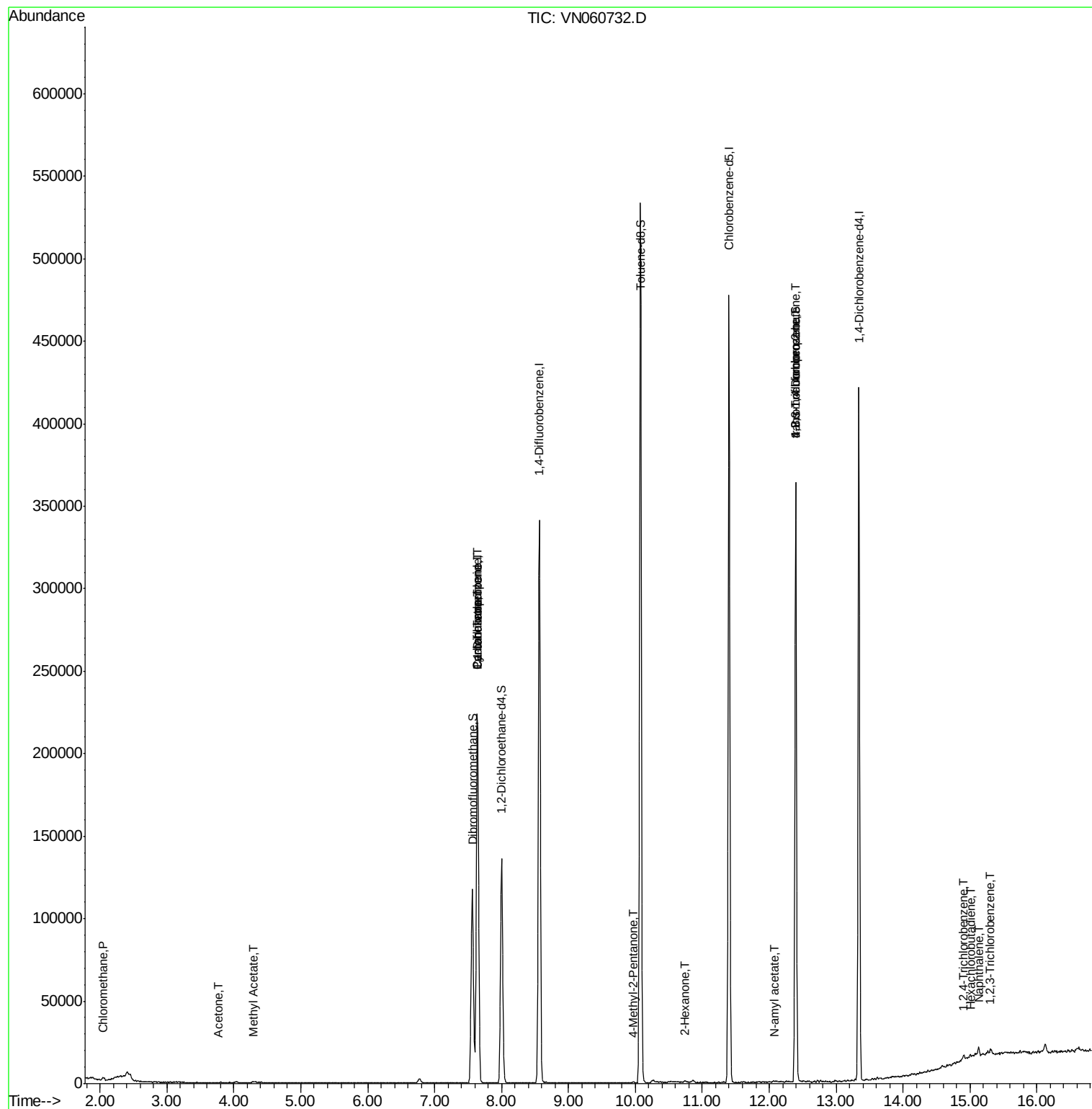
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1108	0.332	ug/l #	79
16) Acetone	3.78	43	440	0.490	ug/l #	43
18) Methyl Acetate	4.29	43	2071	0.819	ug/l #	54
31) Cyclohexane	7.64	56	3896	0.953	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14254	4.857	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17821	6.775	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	651	0.219	ug/l #	37
59) 2-Hexanone	10.74	43	1061	0.495	ug/l	64
74) N-amyl acetate	12.07	43	869	0.227	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	64600	27.085	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	64600	69.562	ug/l #	13
93) 1,2,4-Trichlorobenzene	14.91	180	994	0.480	ug/l	86
94) Hexachlorobutadiene	15.00	225	451	0.444	ug/l #	57
95) Naphthalene	15.13	128	4533	0.728	ug/l #	90
96) 1,2,3-Trichlorobenzene	15.31	180	1389	0.681	ug/l #	78

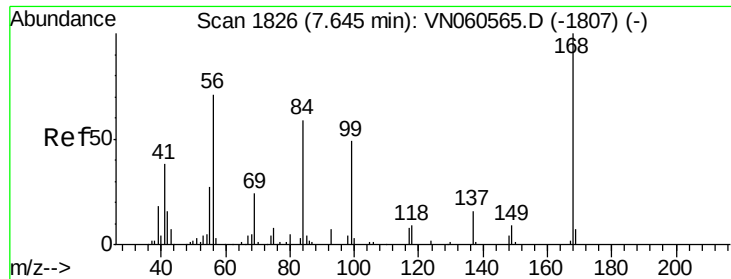
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN060732.D

Acq: 27 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

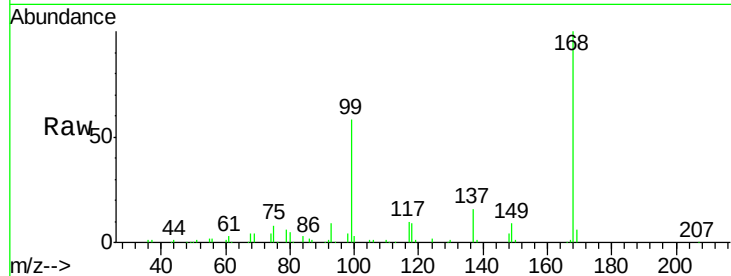
VN0327WBL01

Tgt Ion:168 Resp: 184841

Ion Ratio Lower Upper

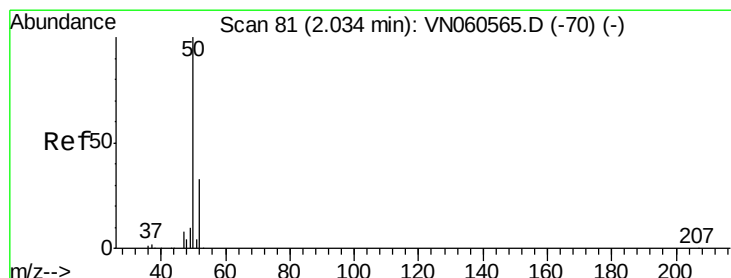
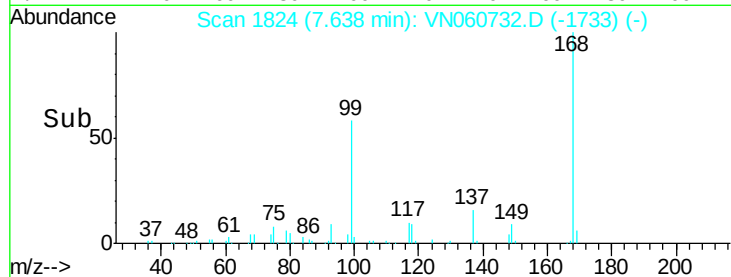
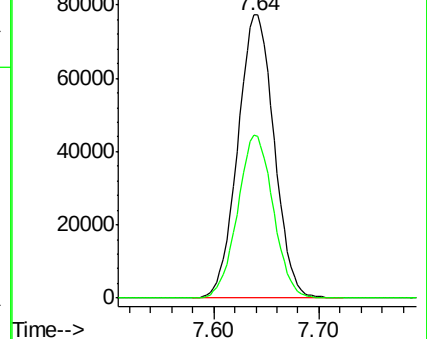
168 100

99 57.5 44.0 66.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.332 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN060732.D

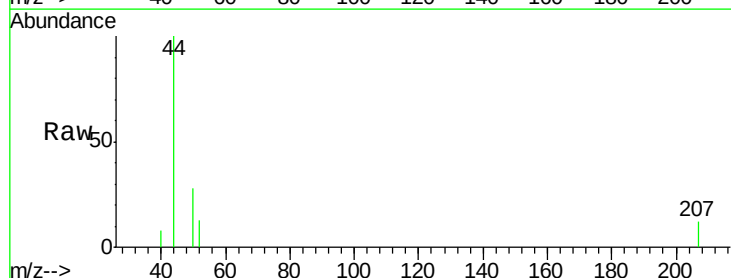
Acq: 27 Mar 2020 11:12

Tgt Ion: 50 Resp: 1108

Ion Ratio Lower Upper

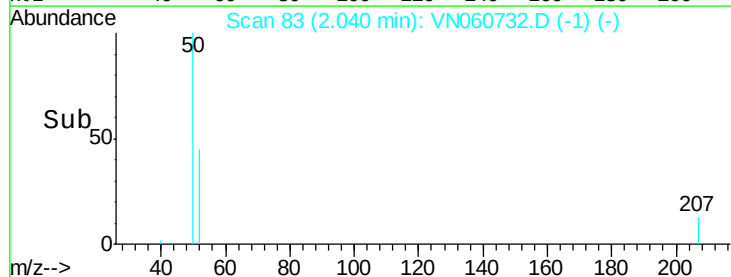
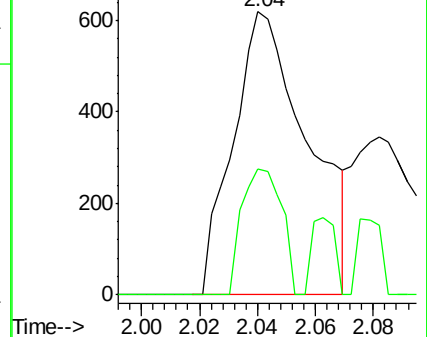
50 100

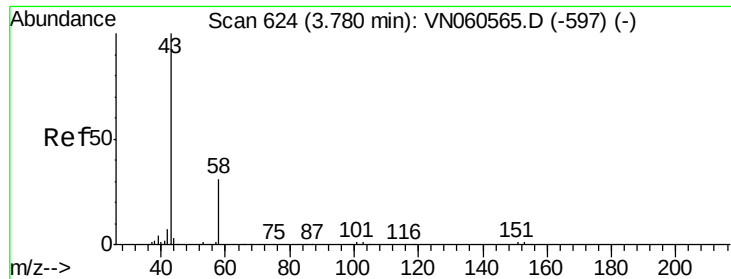
52 44.6 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

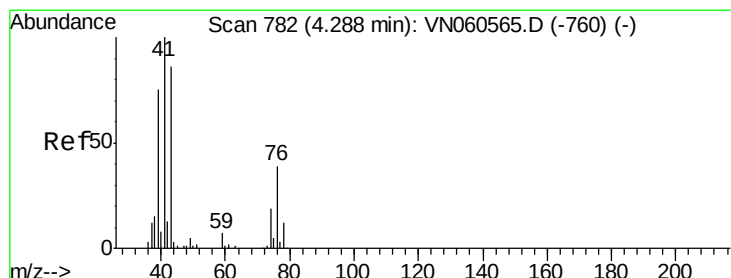
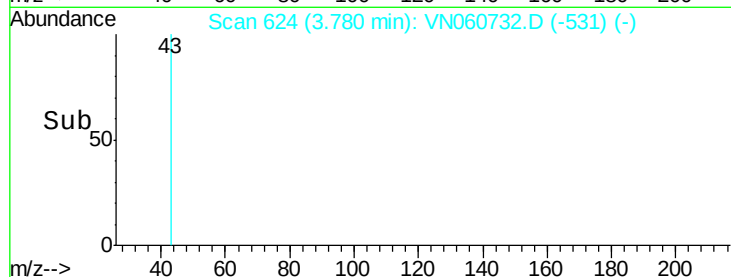
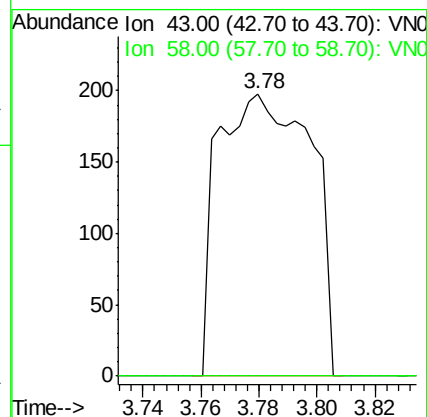
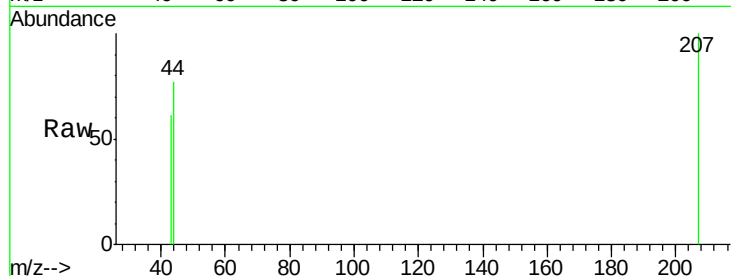




#16
Acetone
Concen: 0.490 ug/l
RT: 3.78 min Scan# 624
Delta R.T. -0.00 min
Lab File: VN060732.D
Acq: 27 Mar 2020 11:12

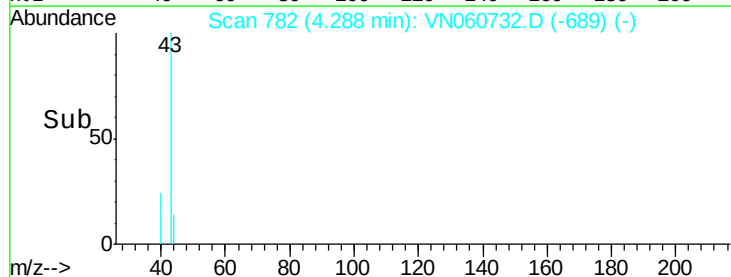
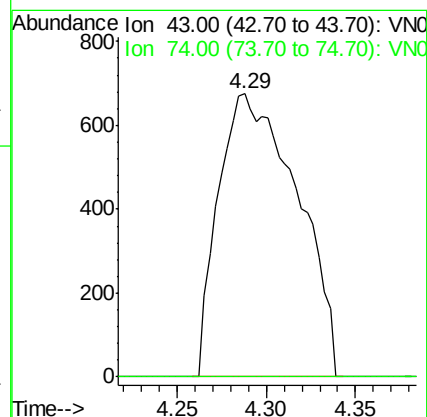
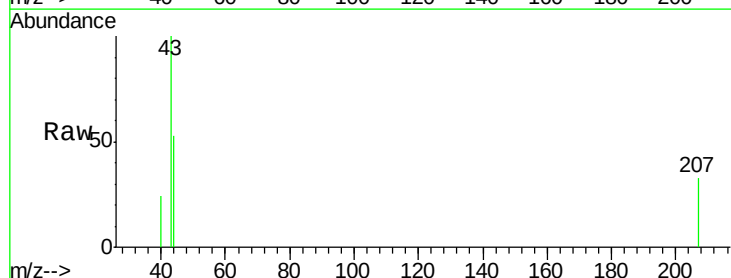
Instrument :
MSVOA_N
ClientSampleId :
VN0327WBL01

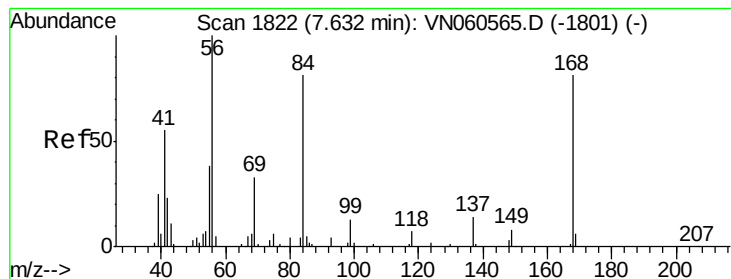
Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
58 0.0 25.1 37.7#



#18
Methyl Acetate
Concen: 0.819 ug/l
RT: 4.29 min Scan# 782
Delta R.T. -0.00 min
Lab File: VN060732.D
Acq: 27 Mar 2020 11:12

Tgt Ion: 43 Resp: 2071
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#





#31

Cyclohexane

Concen: 0.953 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.01 min

Lab File: VN060732.D

Acq: 27 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBL01

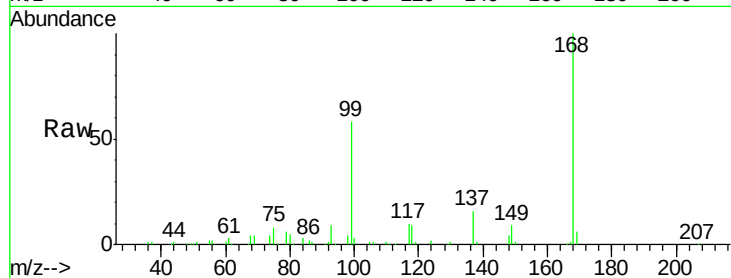
Tgt Ion: 56 Resp: 3896

Ion Ratio Lower Upper

56 100

69 187.7 26.6 40.0#

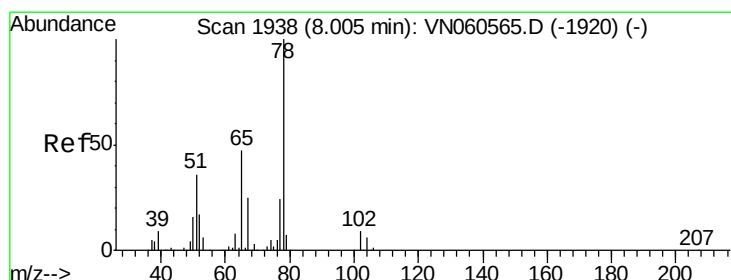
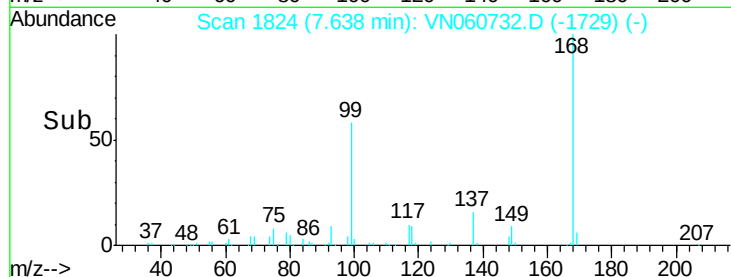
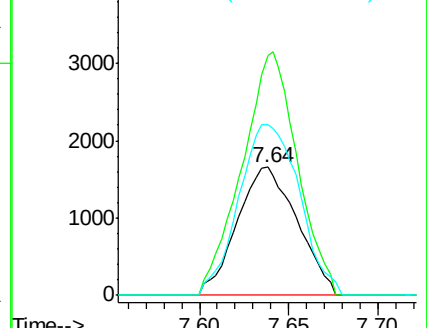
84 132.9 64.3 96.5#



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: 46.270 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060732.D

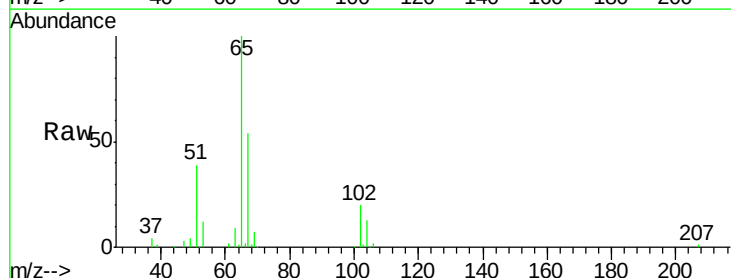
Acq: 27 Mar 2020 11:12

Tgt Ion: 65 Resp: 117408

Ion Ratio Lower Upper

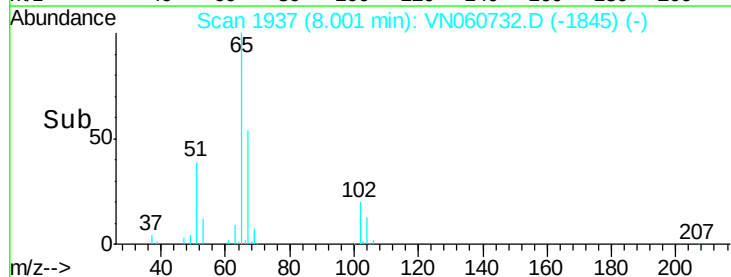
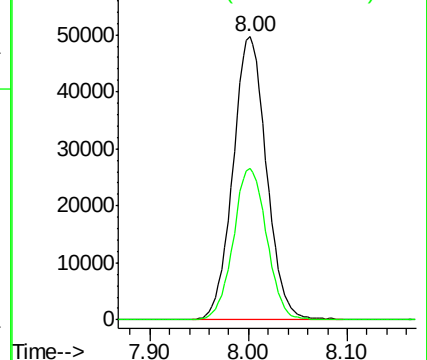
65 100

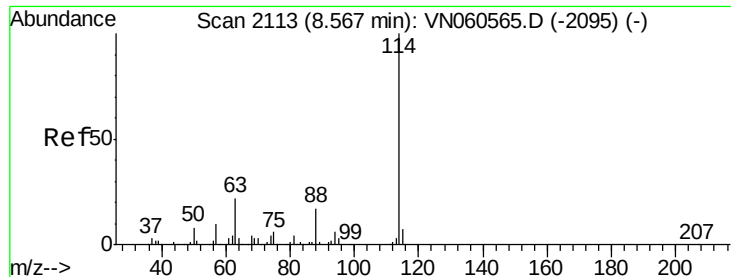
67 53.2 0.0 107.6



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: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060732.D

Acq: 27 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBL01

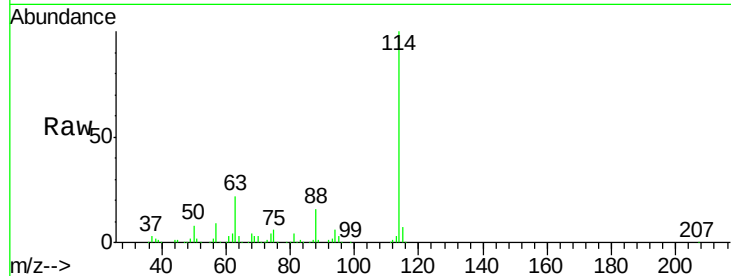
Tgt Ion:114 Resp: 303087

Ion Ratio Lower Upper

114 100

63 22.3 0.0 43.8

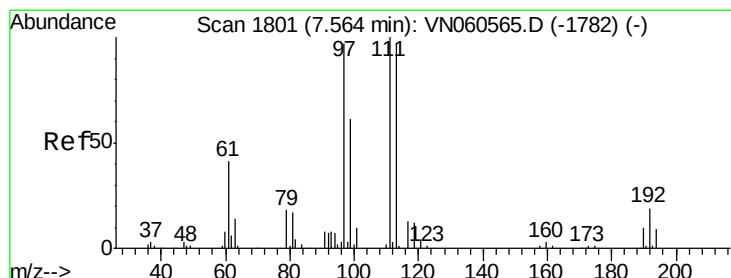
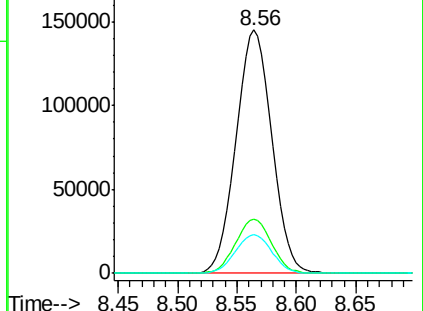
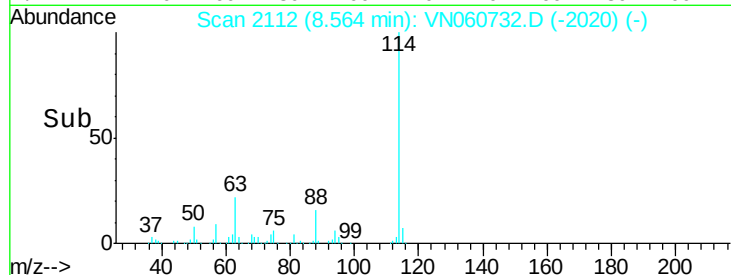
88 16.0 0.0 33.0



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: 49.325 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060732.D

Acq: 27 Mar 2020 11:12

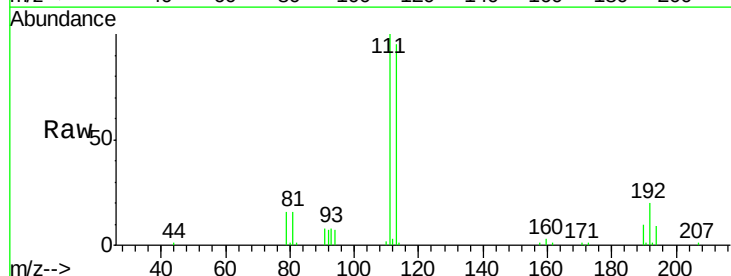
Tgt Ion:113 Resp: 90397

Ion Ratio Lower Upper

113 100

111 102.8 82.9 124.3

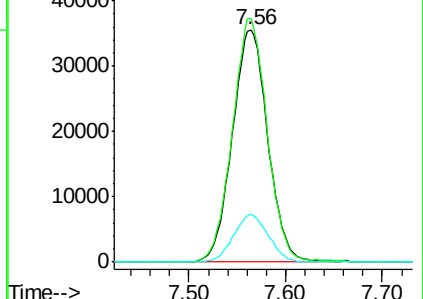
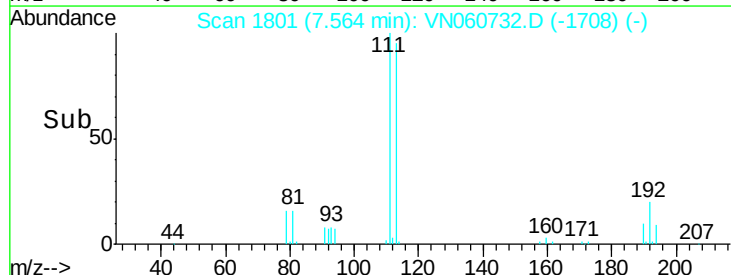
192 20.1 15.8 23.8

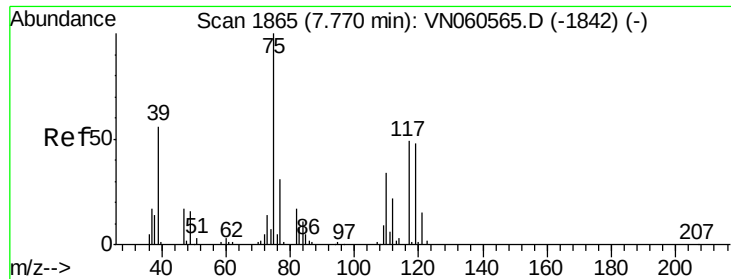


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

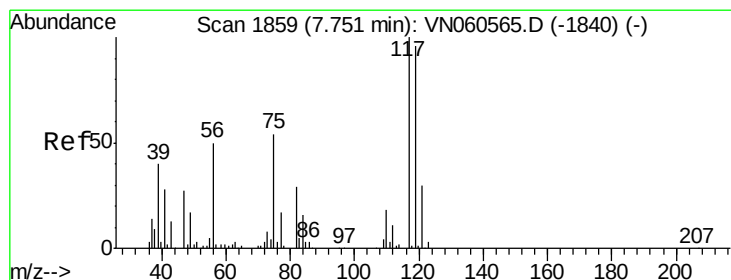
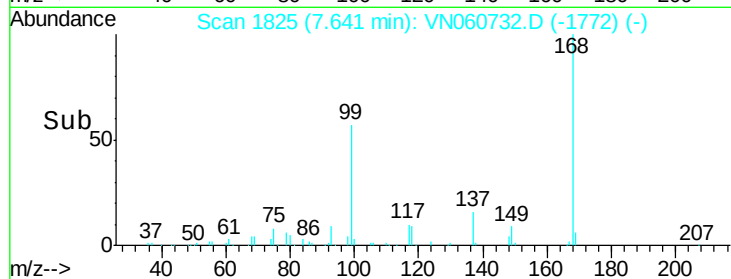
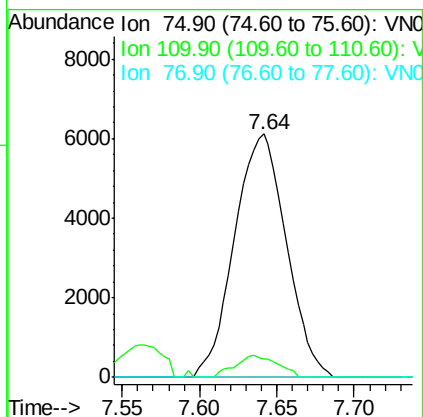
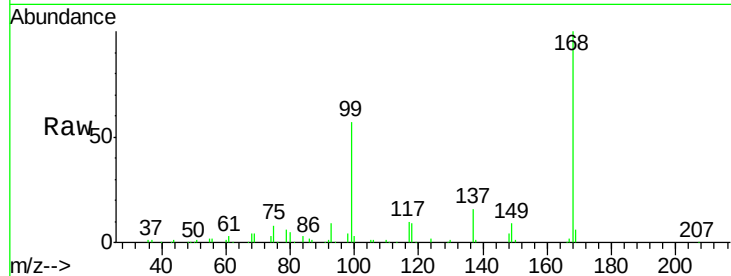




#36
 1,1-Dichloropropene
 Concen: 4.857 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060732.D
 Acq: 27 Mar 2020 11:12

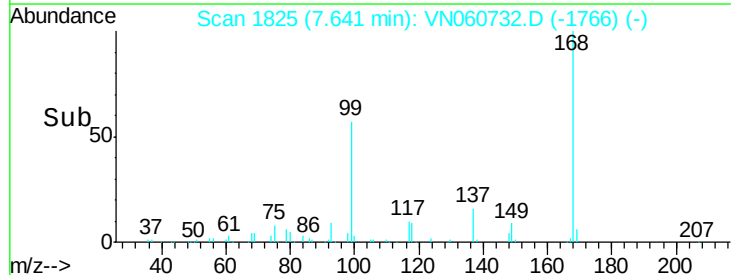
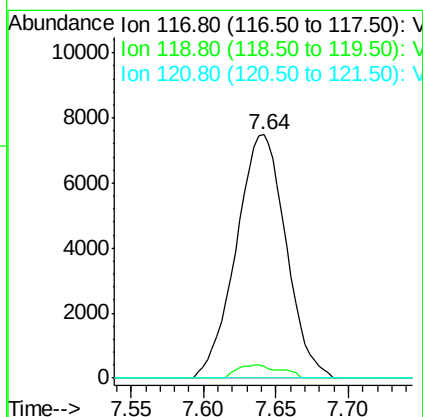
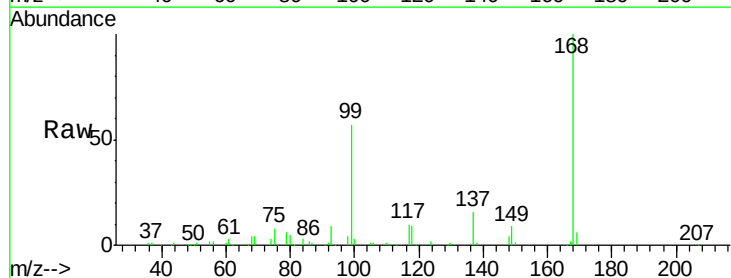
Instrument :
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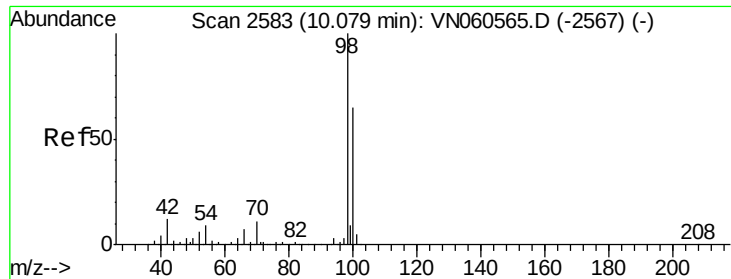
Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.4	16.9	50.6#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 6.775 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060732.D
 Acq: 27 Mar 2020 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.0	76.2	114.2#
121	0.0	23.7	35.5#

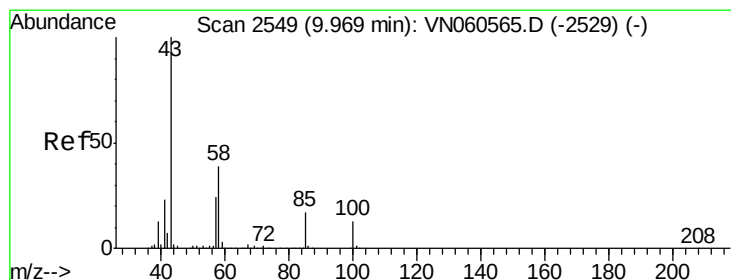
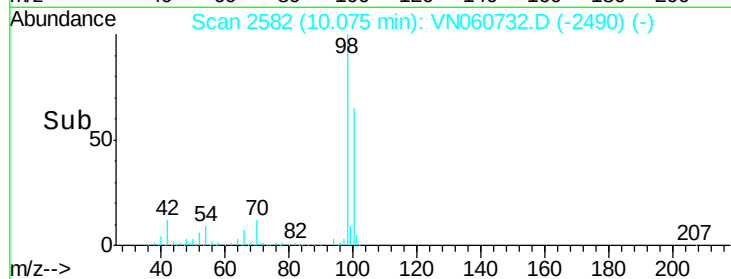
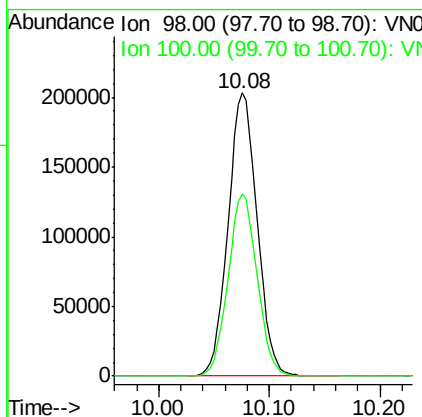
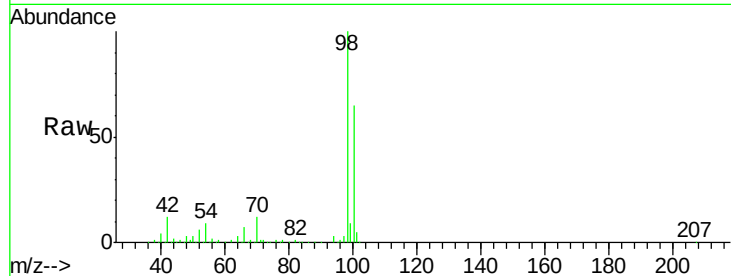




#50
Toluene-d8
Concen: 49.419 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060732.D
Acq: 27 Mar 2020 11:12

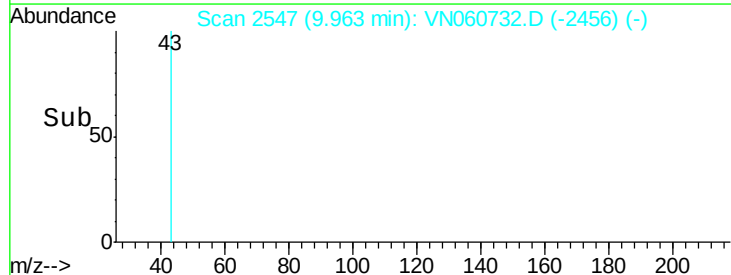
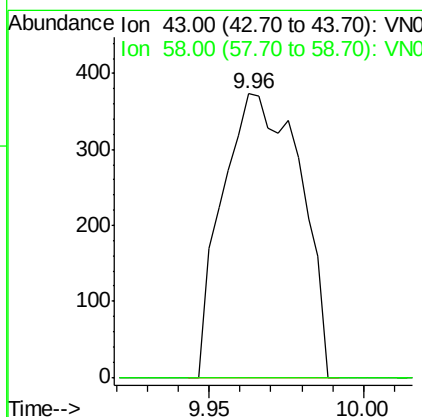
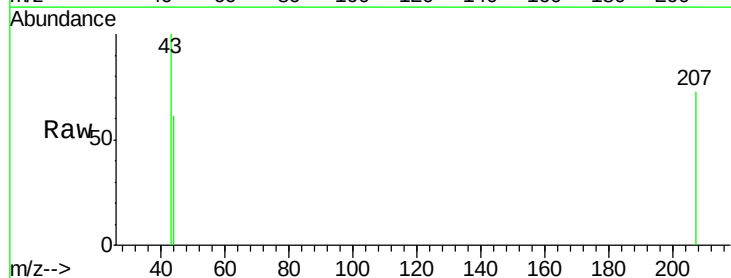
Instrument :
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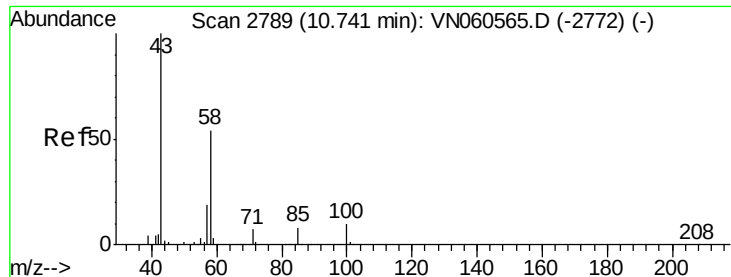
Tgt Ion: 98 Resp: 369935
Ion Ratio Lower Upper
98 100
100 64.5 51.8 77.8



#51
4-Methyl-2-Pentanone
Concen: 0.219 ug/l
RT: 9.96 min Scan# 2547
Delta R.T. -0.01 min
Lab File: VN060732.D
Acq: 27 Mar 2020 11:12

Tgt Ion: 43 Resp: 651
Ion Ratio Lower Upper
43 100
58 0.0 30.8 46.2#





#59

2-Hexanone

Concen: 0.495 ug/l

RT: 10.74 min Scan# 2788

Delta R.T. -0.00 min

Lab File: VN060732.D

Acq: 27 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampled :

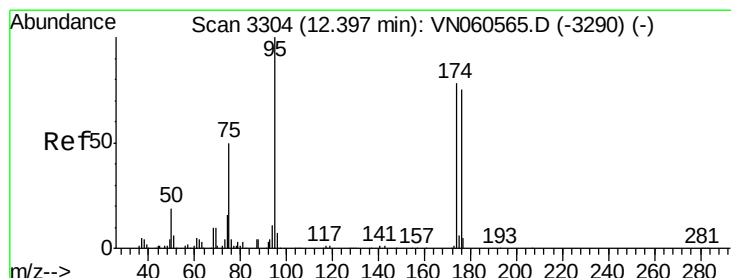
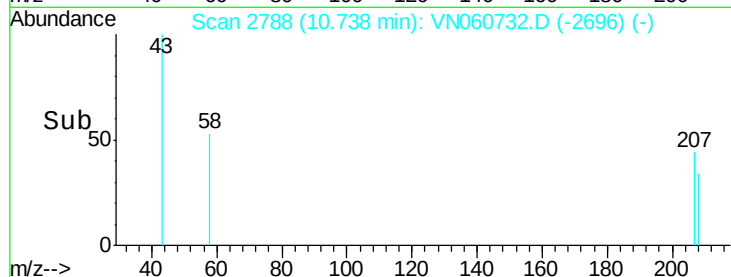
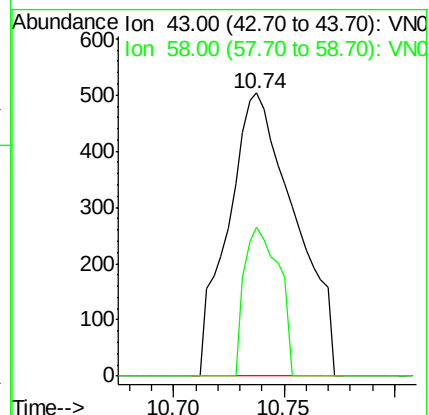
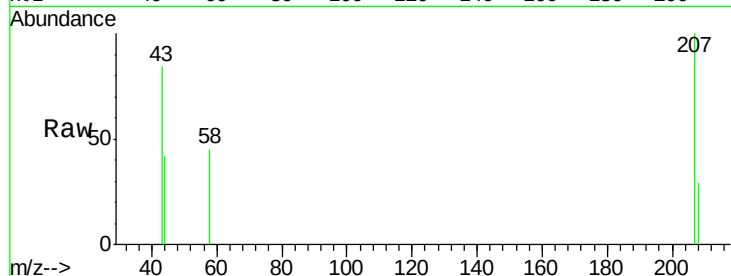
VN0327WBL01

Tgt Ion: 43 Resp: 1061

Ion Ratio Lower Upper

43 100

58 27.6 26.7 80.1



#62

4-Bromofluorobenzene

Concen: 47.110 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060732.D

Acq: 27 Mar 2020 11:12

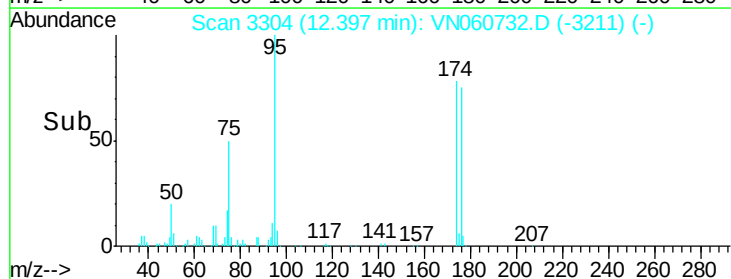
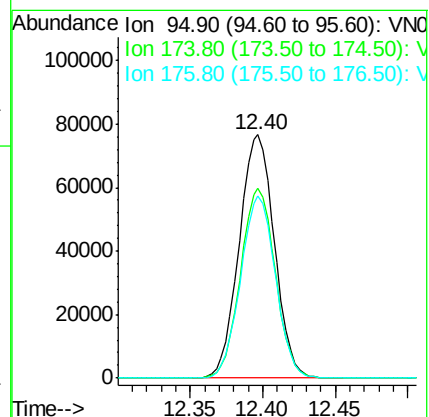
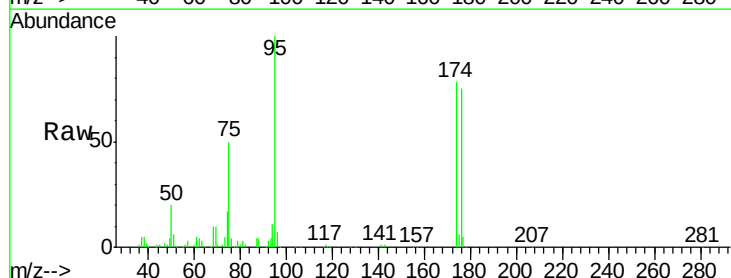
Tgt Ion: 95 Resp: 129242

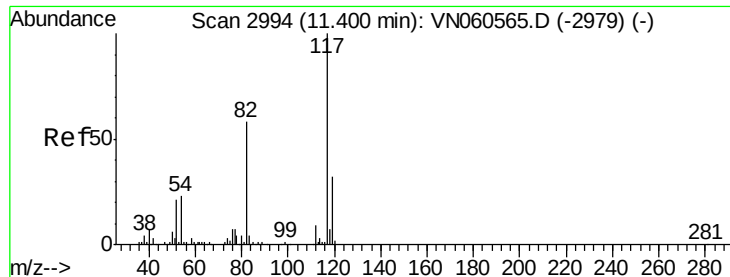
Ion Ratio Lower Upper

95 100

174 77.0 0.0 157.6

176 74.1 0.0 150.6

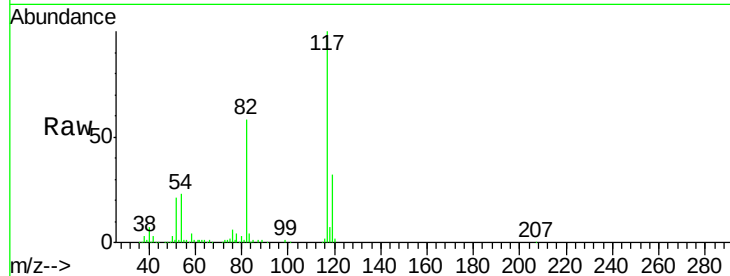




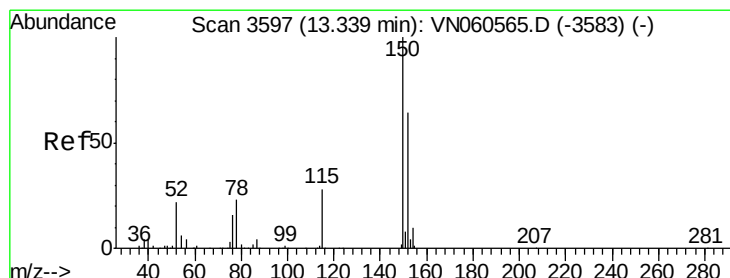
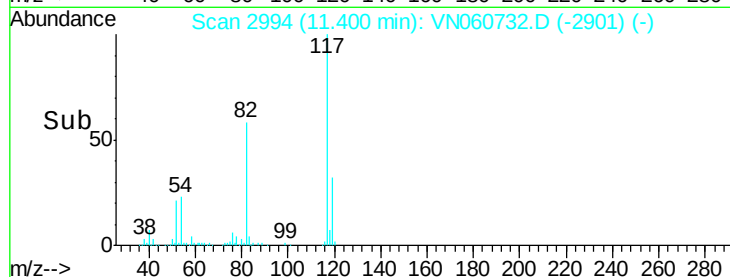
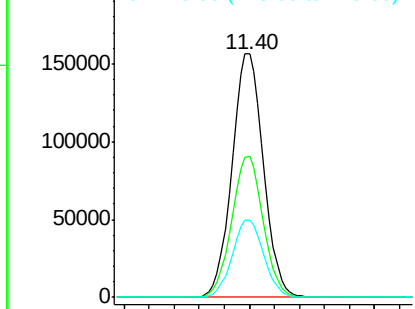
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060732.D
Acq: 27 Mar 2020 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN0327WBL01

Tgt Ion:117 Resp: 271144
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 31.8 25.5 38.3

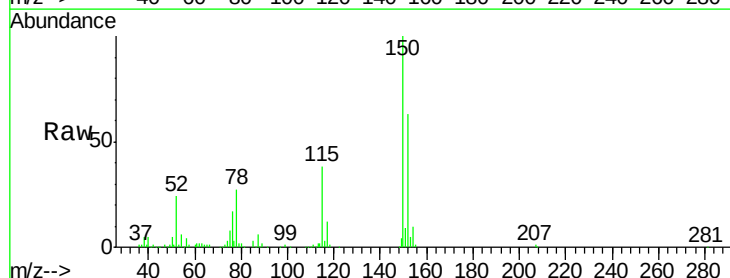


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

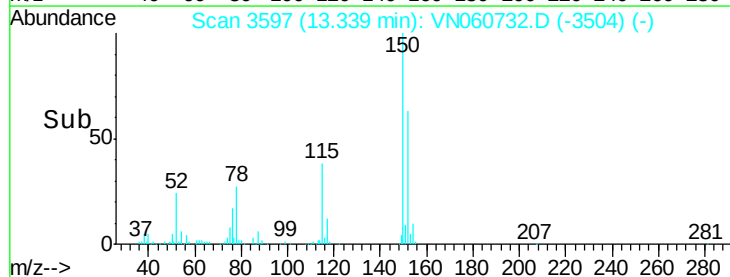
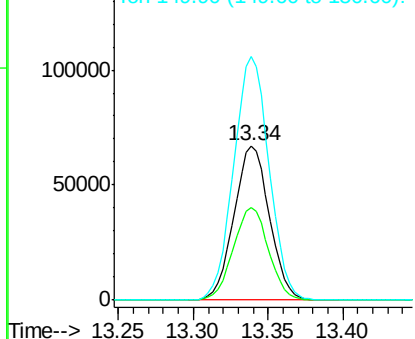


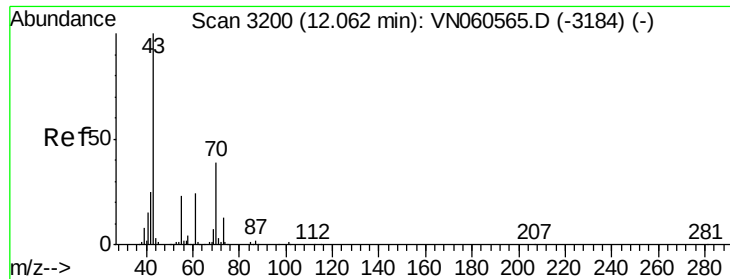
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060732.D
Acq: 27 Mar 2020 11:12

Tgt Ion:152 Resp: 110534
Ion Ratio Lower Upper
152 100
115 60.0 30.2 90.6
150 157.6 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

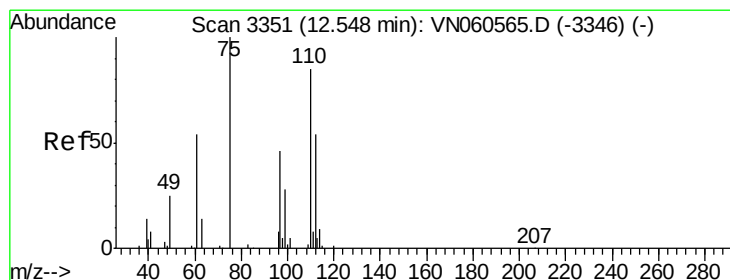
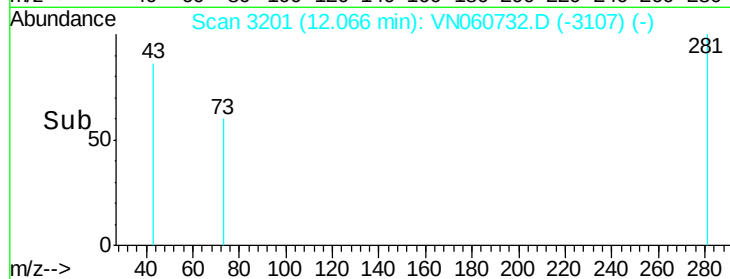
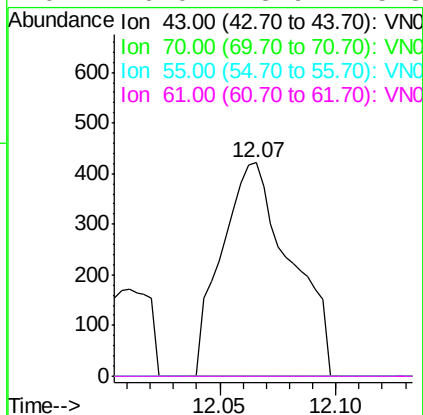
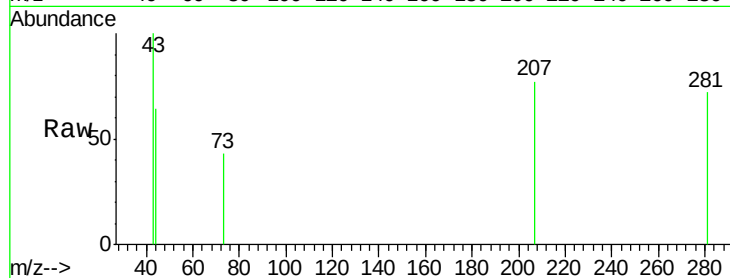




#74
N-ethyl acetate
Concen: 0.227 ug/l
RT: 12.07 min Scan# 3201
Delta R.T. 0.00 min
Lab File: VN060732.D
Acq: 27 Mar 2020 11:12

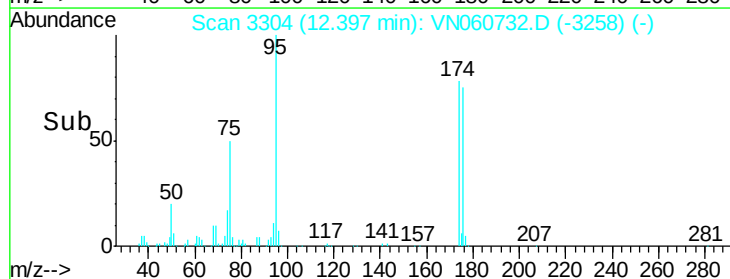
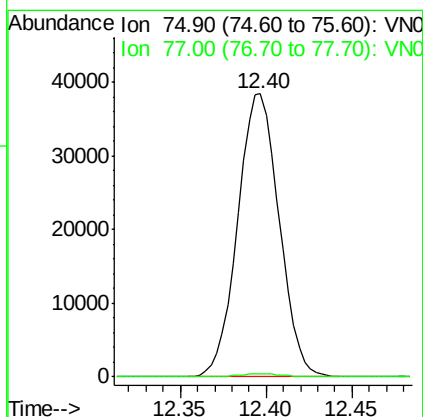
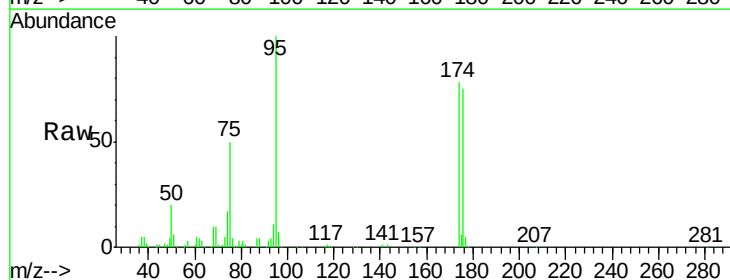
Instrument :
MSVOA_N
ClientSampleId :
VN0327WBL01

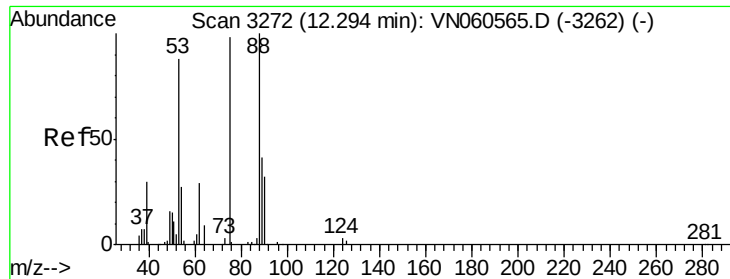
Tgt Ion: 43 Resp: 869
Ion Ratio Lower Upper
43 100
70 0.0 31.1 46.7#
55 0.0 18.6 27.8#
61 0.0 18.9 28.3#



#76
1,2,3-Trichloropropane
Concen: 27.085 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060732.D
Acq: 27 Mar 2020 11:12

Tgt Ion: 75 Resp: 64600
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 69.562 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060732.D

Acq: 27 Mar 2020 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN0327WBL01

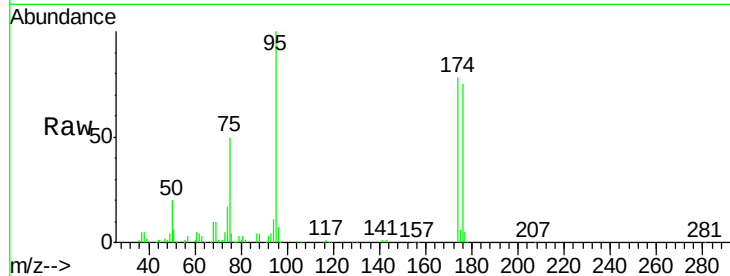
Tgt Ion: 75 Resp: 64600

Ion Ratio Lower Upper

75 100

53 0.0 73.0 109.4#

89 0.0 34.8 52.2#



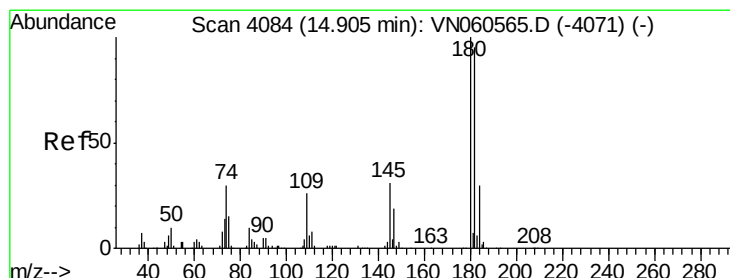
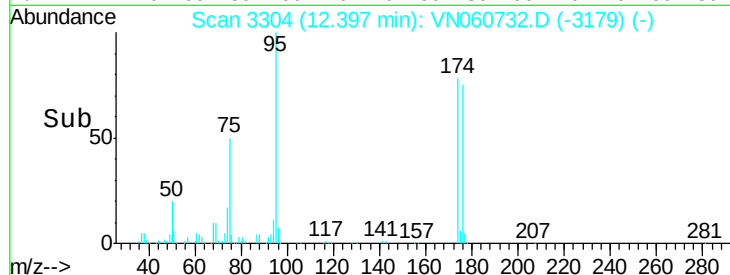
Abundance Ion 74.90 (74.60 to 75.60): VN060732.D (-3179) (-)

Ion 53.00 (52.70 to 53.70): VN060732.D (-3179) (-)

Ion 88.90 (88.60 to 89.60): VN060732.D (-3179) (-)

Time-->

12.35 12.40 12.45



#93

1,2,4-Trichlorobenzene

Concen: 0.480 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN060732.D

Acq: 27 Mar 2020 11:12

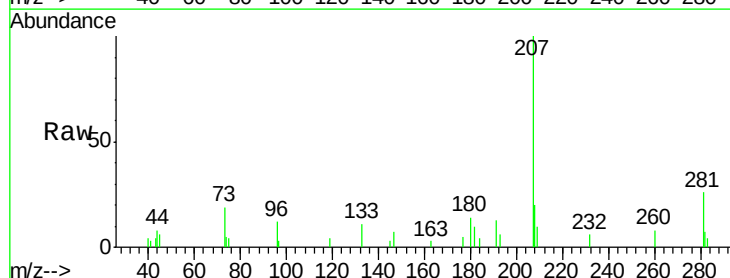
Tgt Ion: 180 Resp: 994

Ion Ratio Lower Upper

180 100

182 83.7 47.9 143.8

145 20.9 15.4 46.2



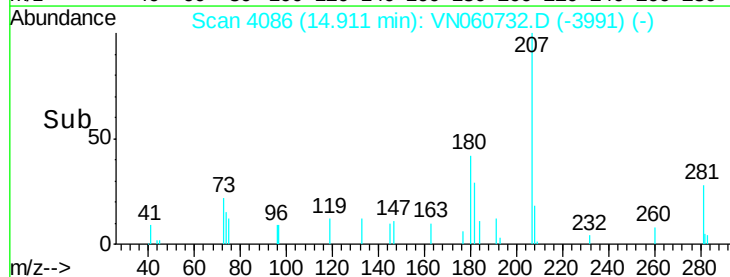
Abundance Ion 179.80 (179.50 to 180.50): VN060732.D (-3991) (-)

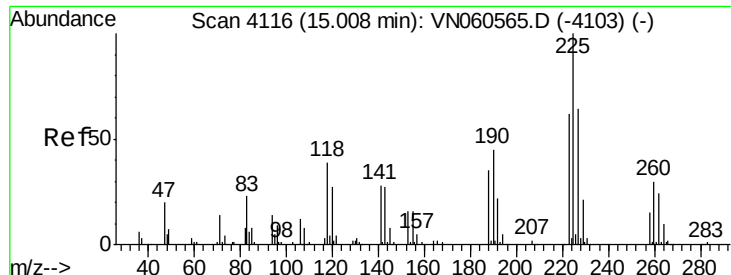
Ion 181.80 (181.50 to 182.50): VN060732.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN060732.D (-3991) (-)

Time-->

14.90





#94

Hexachlorobutadiene

Concen: 0.444 ug/l

RT: 15.00 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VN060732.D

Acq: 27 Mar 2020 11:12

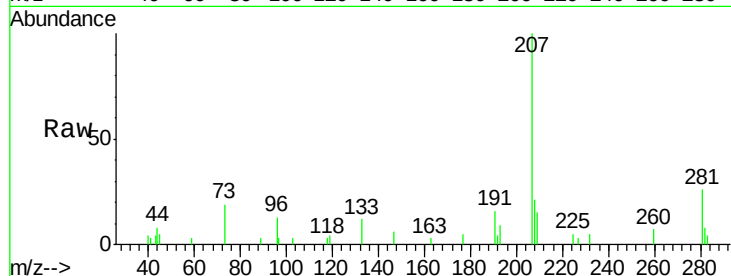
Instrument :

MSVOA_N

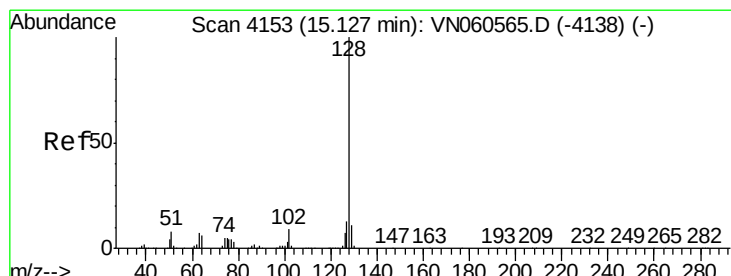
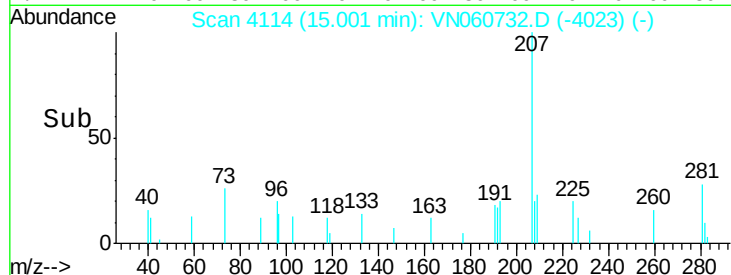
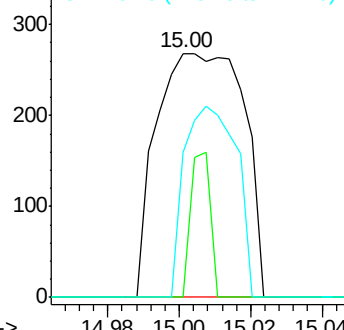
ClientSampleId :

VN0327WBL01

Tgt Ion:	225	Resp:	451
Ion Ratio	Lower	Upper	
225	100		
223	13.5	31.6	95.0#
227	47.2	32.3	96.8



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: 0.728 ug/l

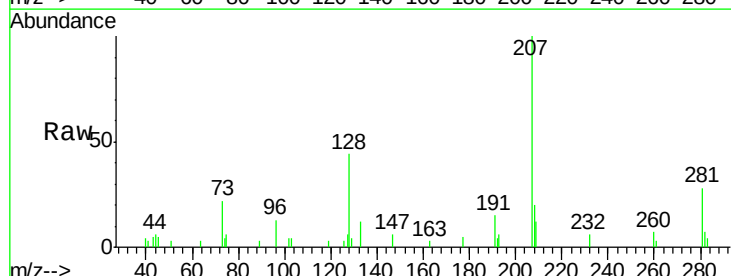
RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

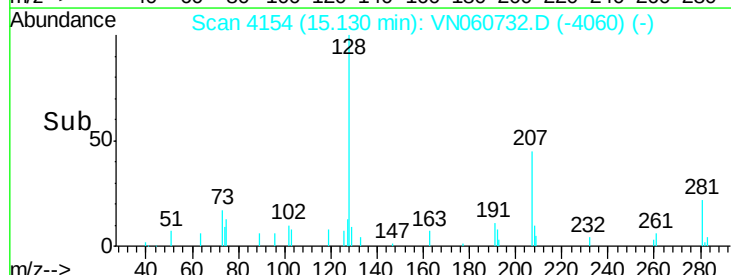
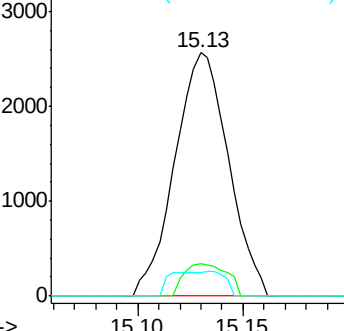
Lab File: VN060732.D

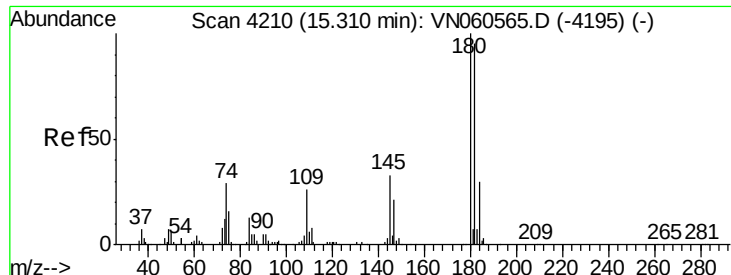
Acq: 27 Mar 2020 11:12

Tgt Ion:	128	Resp:	4533
Ion Ratio	Lower	Upper	
128	100		
127	10.6	10.2	15.2
129	5.1	8.8	13.2#



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: 0.681 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060732.D
 Acq: 27 Mar 2020 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0327WBL01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	79.2	47.5	142.6
145	11.4	16.3	48.8#

