

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030520\
 Data File : VN060358.D
 Acq On : 5 Mar 2020 11:23
 Operator : JC/MD
 Sample : VN0305MBL01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBL01

Quant Time: Mar 06 00:42:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

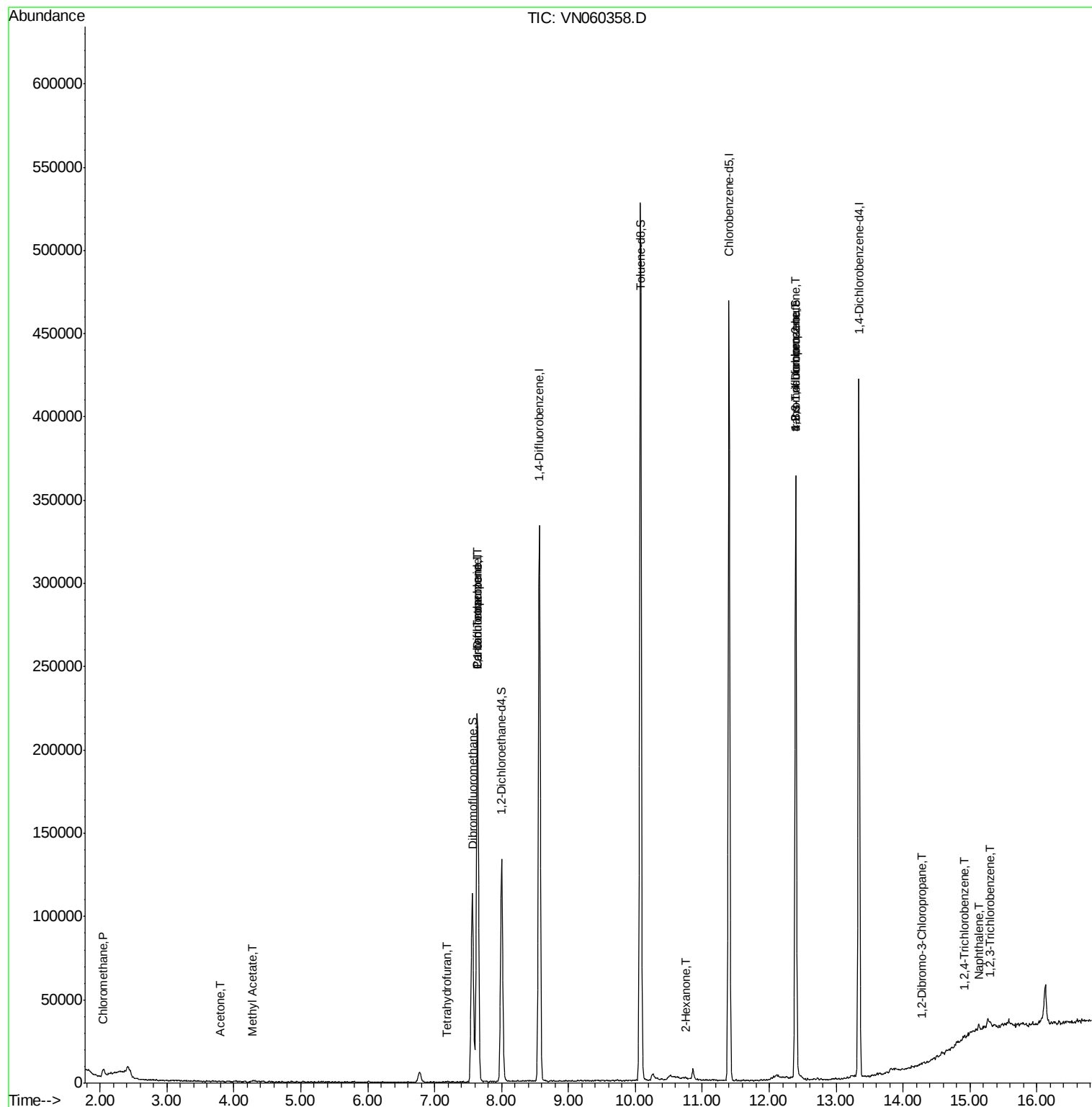
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	180245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	295209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	266101	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	111514	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	115655	50.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.02%	
35) Dibromofluoromethane	7.56	113	86110	62.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	125.68%	
50) Toluene-d8	10.08	98	360528	51.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.98%	
62) 4-Bromofluorobenzene	12.40	95	124113	47.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.42%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.04	50	1174	0.408	ug/l	96
12) 1,1-Dichloroethene	3.72	96	29	Below Cal	#	1
16) Acetone	3.79	43	234	0.313	ug/l #	44
17) Carbon Disulfide	4.03	76	496	Below Cal	#	75
18) Methyl Acetate	4.29	43	745	0.299	ug/l #	52
21) trans-1,2-Dichloroethene	5.03	96	30	Below Cal	#	1
29) Tetrahydrofuran	7.18	42	233	0.278	ug/l #	33
31) Cyclohexane	7.63	56	4006	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14038	4.990	ug/l #	49
38) Carbon Tetrachloride	7.64	117	17783	6.492	ug/l #	17
59) 2-Hexanone	10.74	43	511	0.263	ug/l	68
76) 1,2,3-Trichloropropane	12.40	75	63821	26.085	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	63821	72.008	ug/l #	8
87) 1,3-Dichlorobenzene	13.27	146	394	Below Cal	#	45
88) 1,4-Dichlorobenzene	13.36	146	422	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	14.26	75	190	0.373	ug/l #	3
93) 1,2,4-Trichlorobenzene	14.91	180	843	0.461	ug/l #	87
94) Hexachlorobutadiene	15.01	225	266	Below Cal	#	40
95) Naphthalene	15.13	128	3347	0.233	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.31	180	1172	0.371	ug/l	98

(#) = 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# 1825

Delta R.T. -0.00 min

Lab File: VN060358.D

Acq: 5 Mar 2020 11:23

Instrument :

MSVOA_N

ClientSampleId :

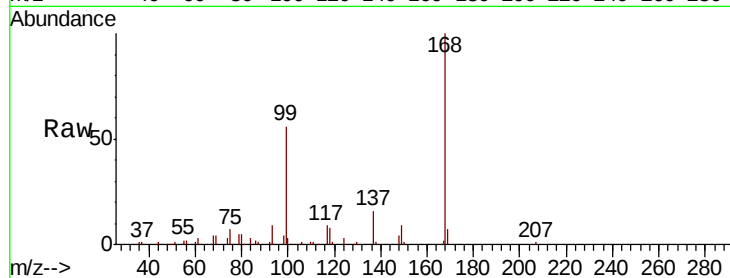
VN0305MBL01

Tot Ion:168 Resp: 180245

Ion Ratio Lower Upper

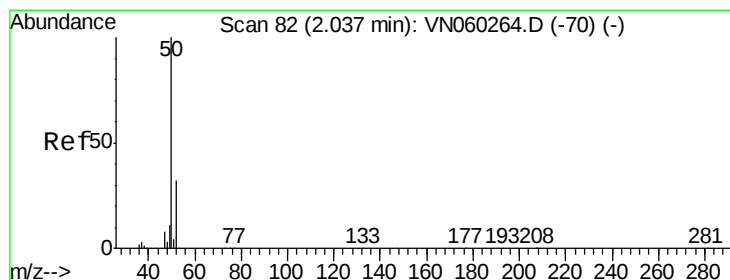
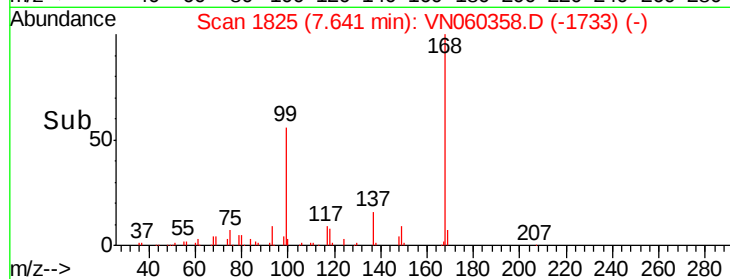
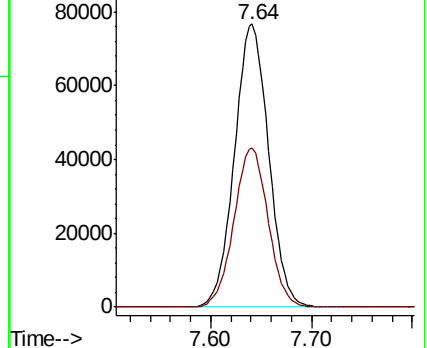
168 100

99 56.3 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.408 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060358.D

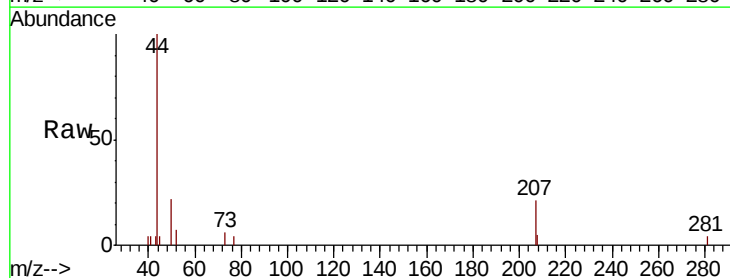
Acq: 5 Mar 2020 11:23

Tgt Ion: 50 Resp: 1174

Ion Ratio Lower Upper

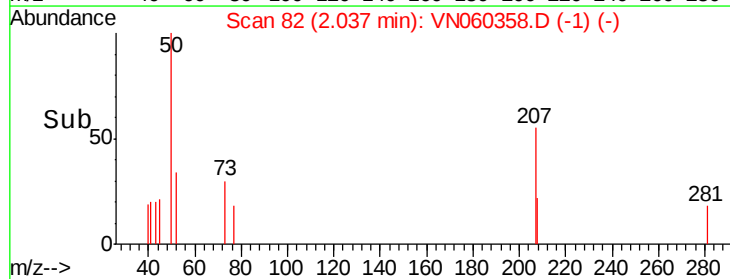
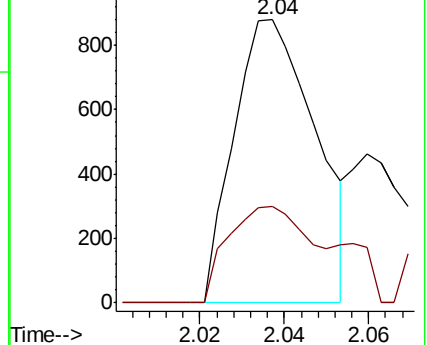
50 100

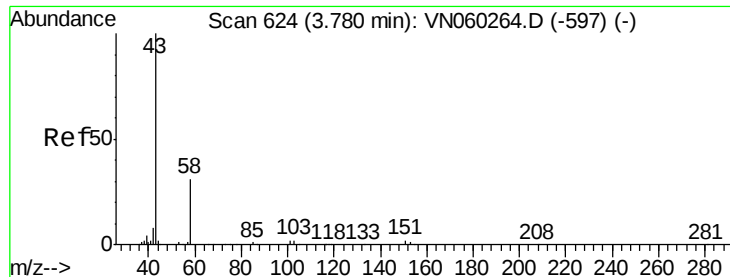
52 34.3 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 0.313 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060358.D

Acq: 5 Mar 2020 11:23

Instrument :

MSVOA_N

ClientSampleId :

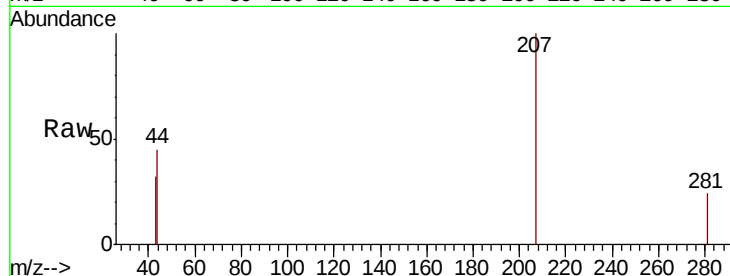
VN0305MBL01

Tot Ion: 43 Resp: 234

Ion Ratio Lower Upper

43 100

58 0.0 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

200

150

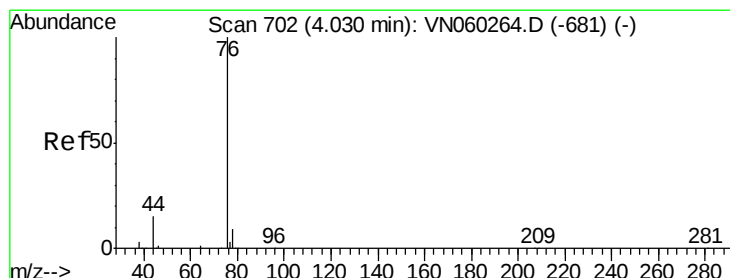
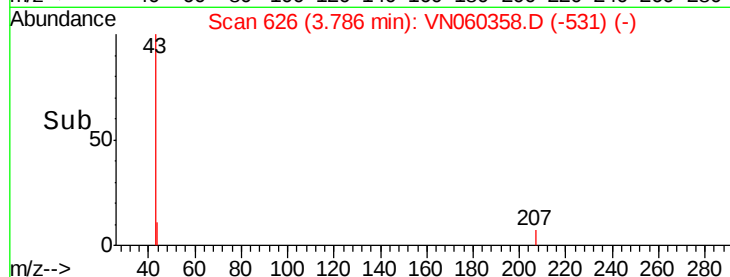
100

50

0

3.76 3.78 3.80

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN060358.D

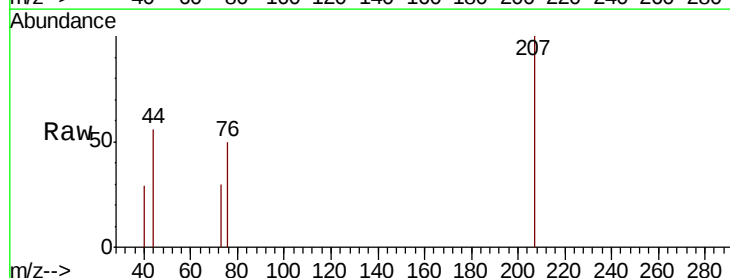
Acq: 5 Mar 2020 11:23

Tgt Ion: 76 Resp: 496

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

300

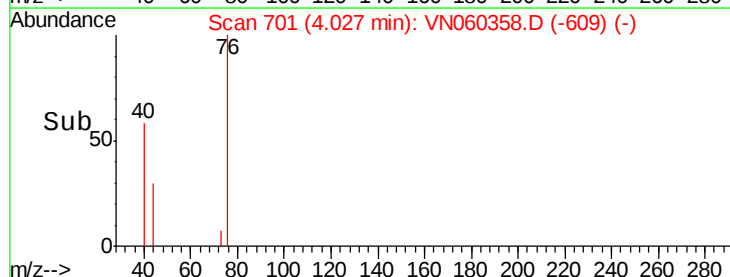
200

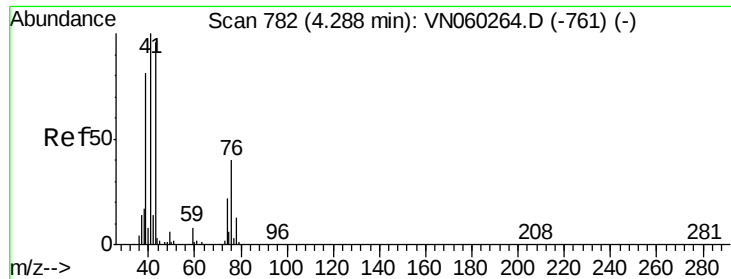
100

0

4.00 4.02 4.04 4.06

Time-->

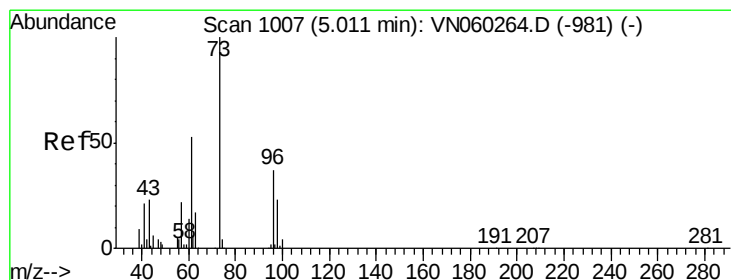
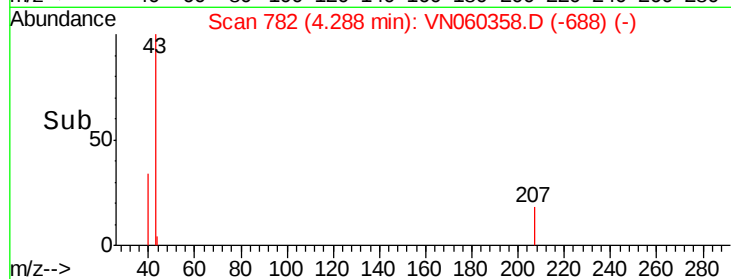
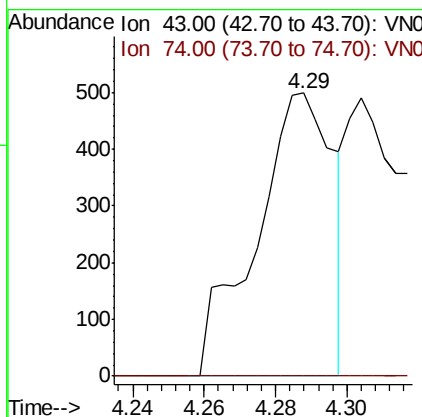
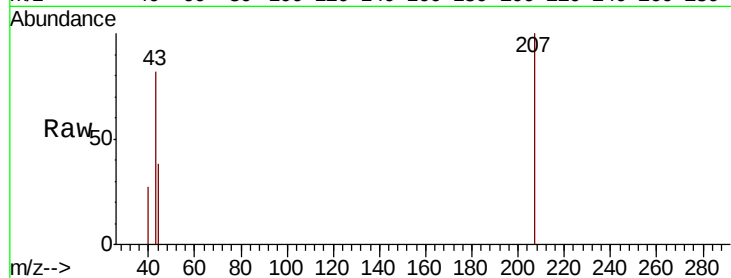




#18
Methyl Acetate
Concen: 0.299 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN060358.D
Acq: 5 Mar 2020 11:23

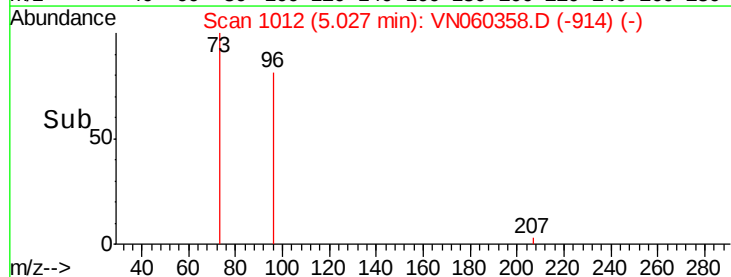
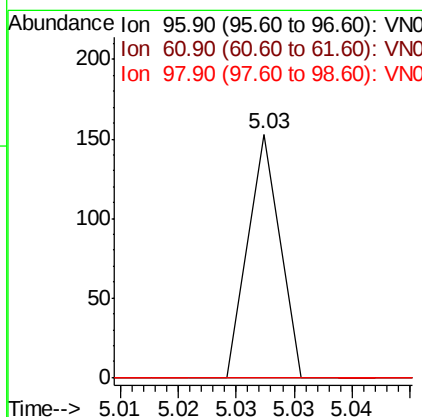
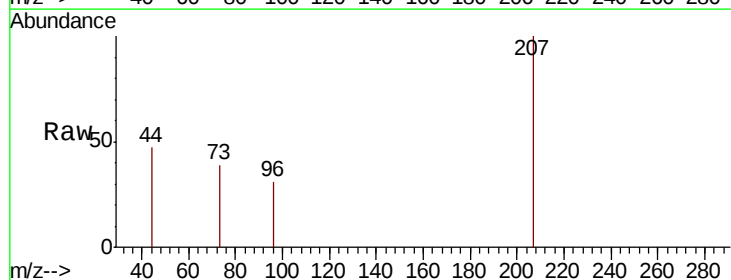
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBL01

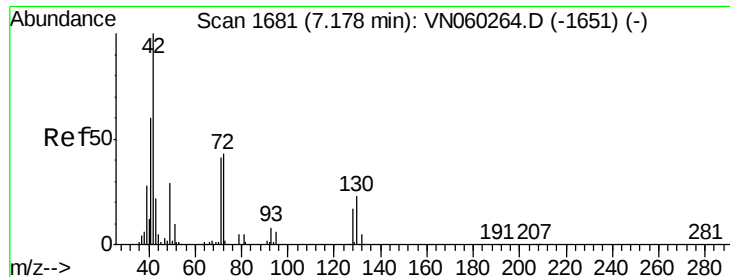
Tot Ion: 43 Resp: 745
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.03 min Scan# 1012
Delta R.T. 0.02 min
Lab File: VN060358.D
Acq: 5 Mar 2020 11:23

Tgt Ion: 96 Resp: 30
Ion Ratio Lower Upper
96 100
61 0.0 113.8 170.8#
98 0.0 48.8 73.2#





#29

Tetrahydrofuran

Concen: 0.278 ug/l

RT: 7.18 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VN060358.D

Acq: 5 Mar 2020 11:23

Instrument :

MSVOA_N

ClientSampled :

VN0305MBL01

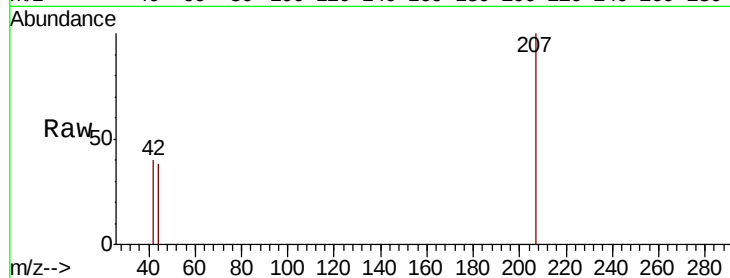
Tot Ion: 42 Resp: 233

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

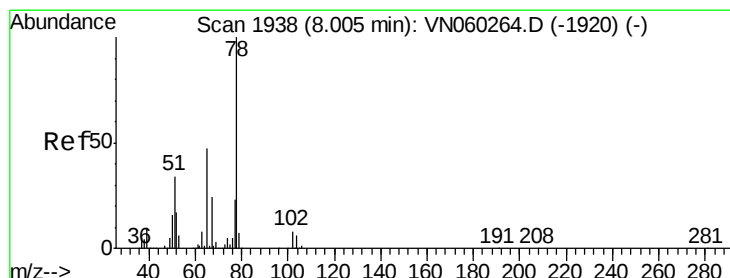
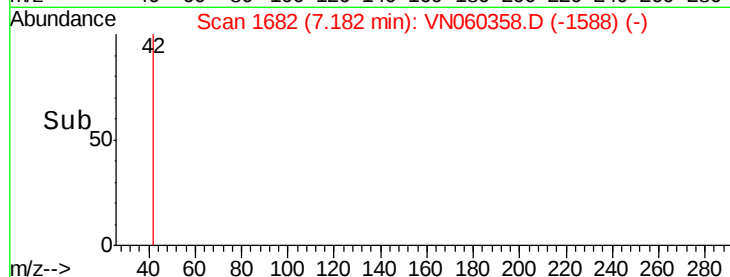
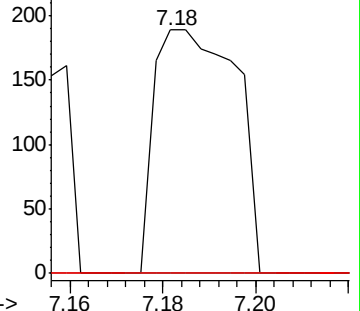
71 0.0 32.9 49.3#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.011 ug/l

RT: 8.00 min Scan# 1937

Delta R.T. -0.00 min

Lab File: VN060358.D

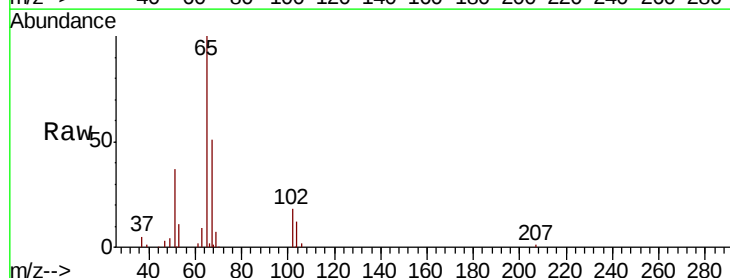
Acq: 5 Mar 2020 11:23

Tgt Ion: 65 Resp: 115655

Ion Ratio Lower Upper

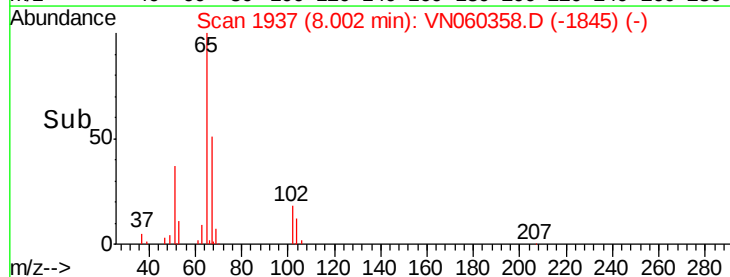
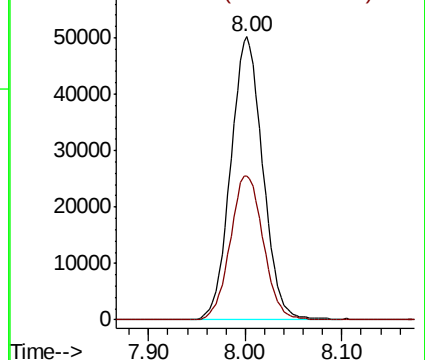
65 100

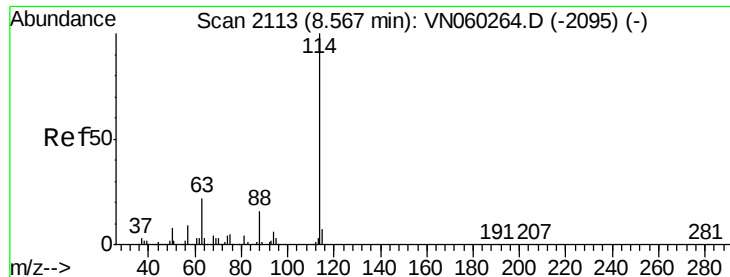
67 52.3 0.0 103.8



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: VN060358.D

Acq: 5 Mar 2020 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBL01

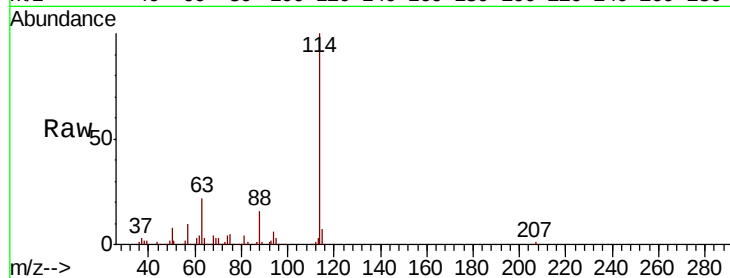
Tot Ion:114 Resp: 295209

Ion Ratio Lower Upper

114 100

63 22.0 0.0 43.2

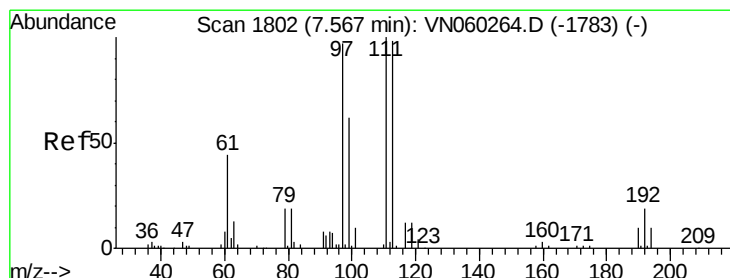
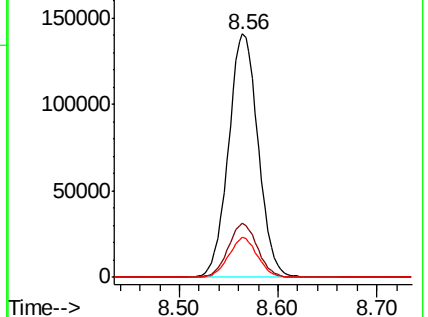
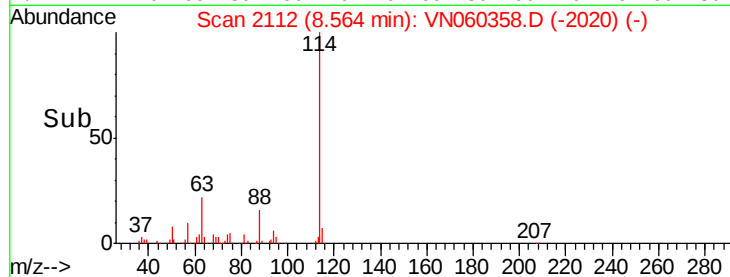
88 16.3 0.0 31.6



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: 62.842 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060358.D

Acq: 5 Mar 2020 11:23

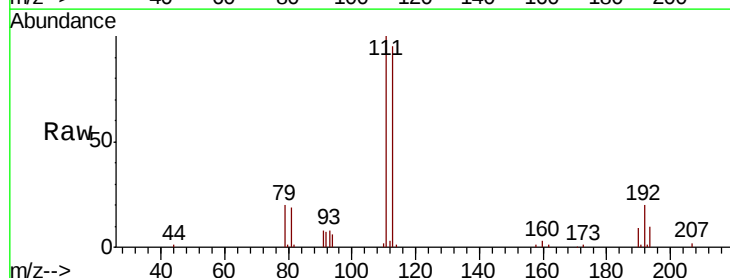
Tgt Ion:113 Resp: 86110

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

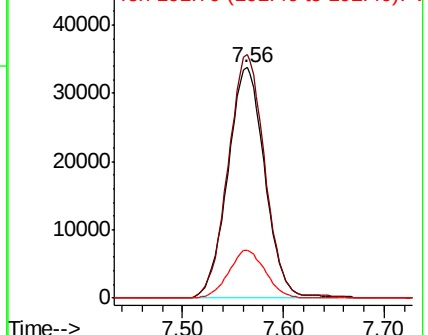
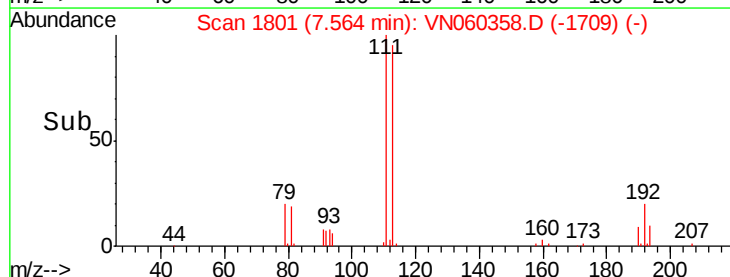
192 20.6 16.2 24.2

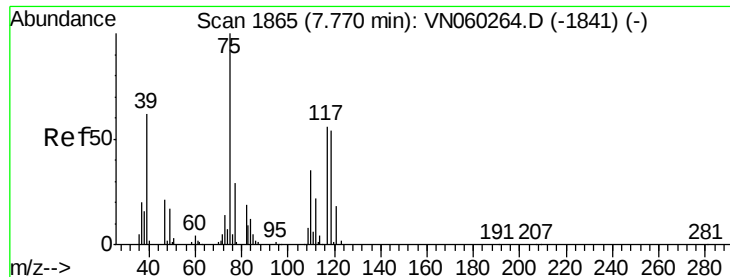


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

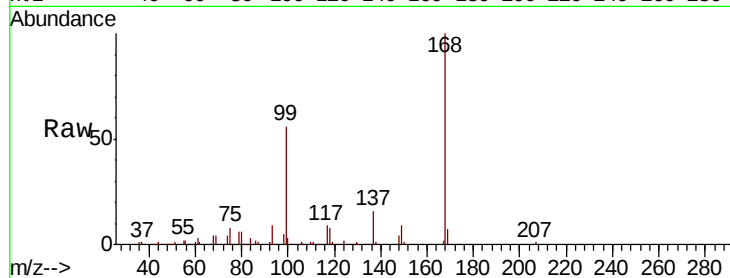




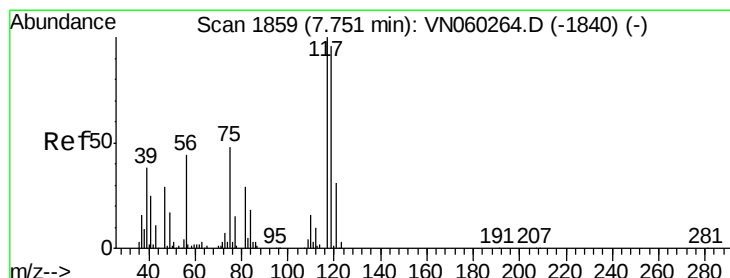
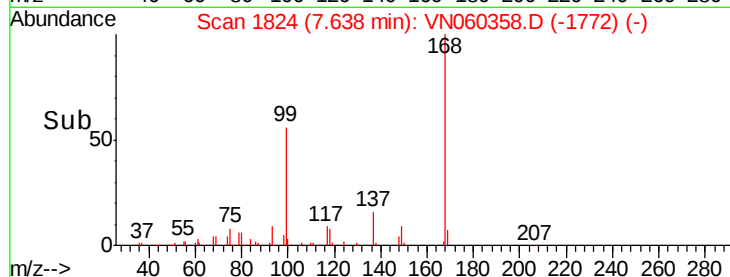
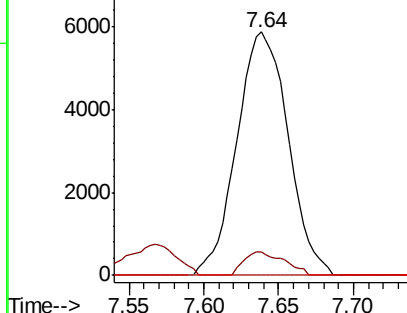
#36
 1,1-Dichloropropene
 Concen: 4.990 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN060358.D
 Acq: 5 Mar 2020 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBL01

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.5	17.3	52.0#
77	0.0	24.2	36.2#

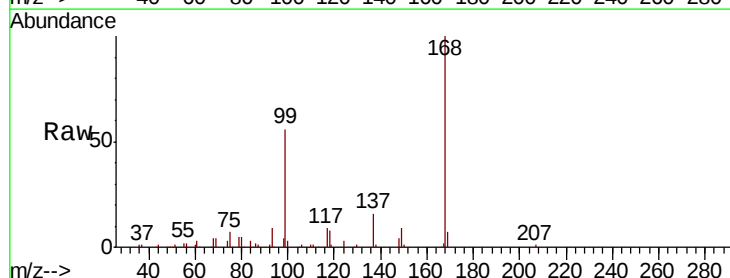


Abundance Ion 74.90 (74.60 to 75.60): VN060358.D (-1772) (-)
 Ion 109.90 (109.60 to 110.60): VN060358.D (-1772) (-)
 Ion 76.90 (76.60 to 77.60): VN060358.D (-1772) (-)

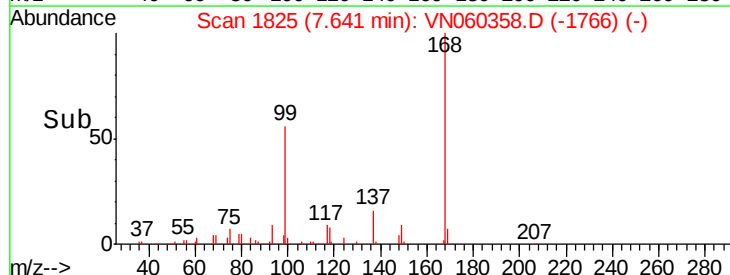
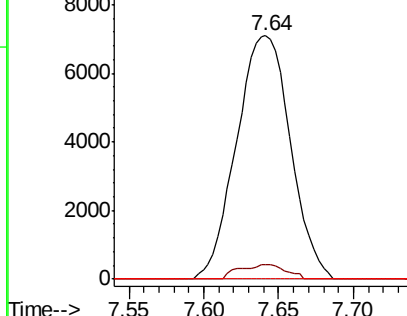


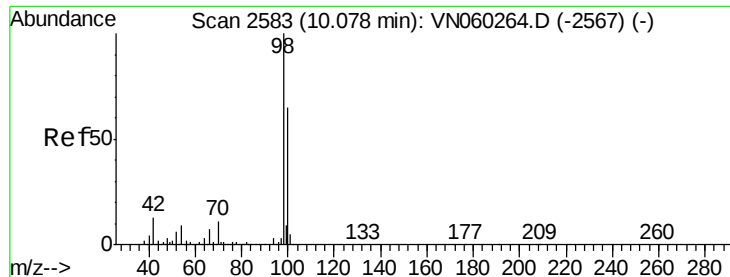
#38
 Carbon Tetrachloride
 Concen: 6.492 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN060358.D
 Acq: 5 Mar 2020 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.7	115.1#
121	0.0	24.5	36.7#



Abundance Ion 116.80 (116.50 to 117.50): VN060358.D (-1766) (-)
 Ion 118.80 (118.50 to 119.50): VN060358.D (-1766) (-)
 Ion 120.80 (120.50 to 121.50): VN060358.D (-1766) (-)





#50

Toluene-d8

Concen: 51.986 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060358.D

Acq: 5 Mar 2020 11:23

Instrument :

MSVOA_N

ClientSampled :

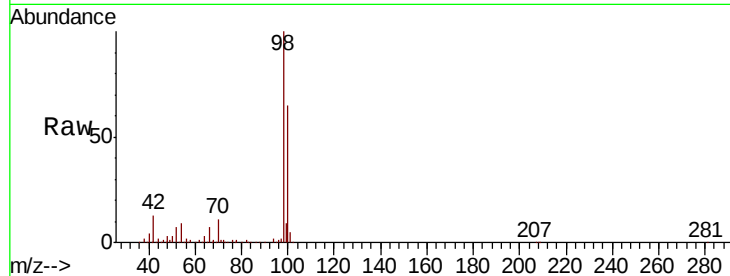
VN0305MBL01

Tot Ion: 98 Resp: 360528

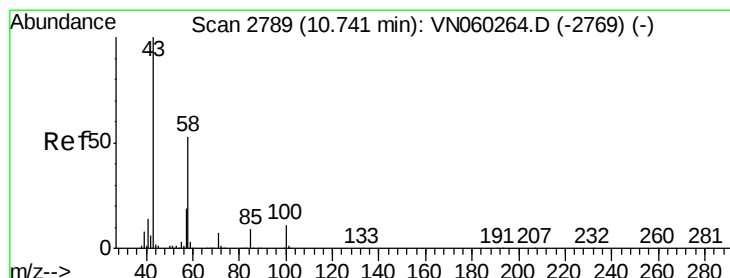
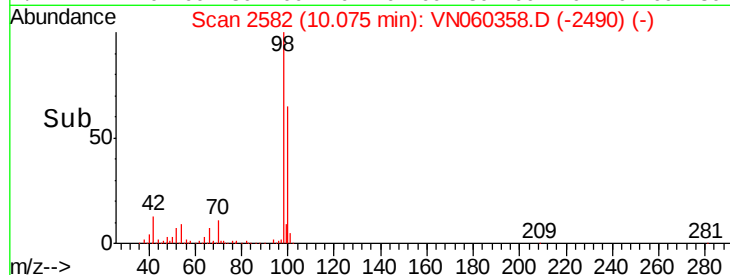
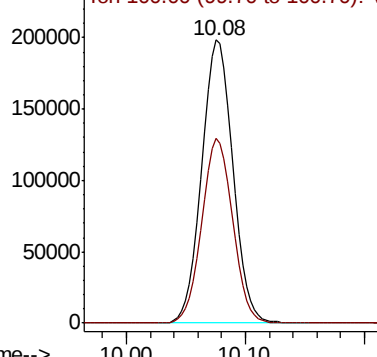
Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN060264.D (-2567) (-)



#59

2-Hexanone

Concen: 0.263 ug/l

RT: 10.74 min Scan# 2790

Delta R.T. 0.00 min

Lab File: VN060358.D

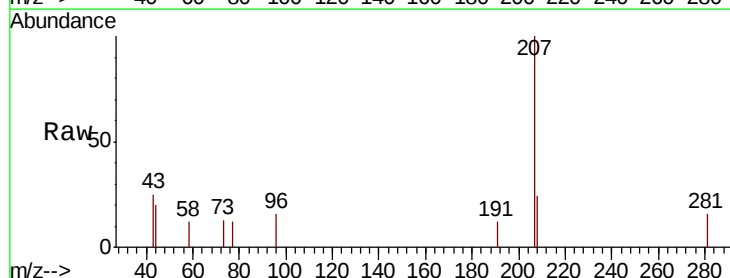
Acq: 5 Mar 2020 11:23

Tgt Ion: 43 Resp: 511

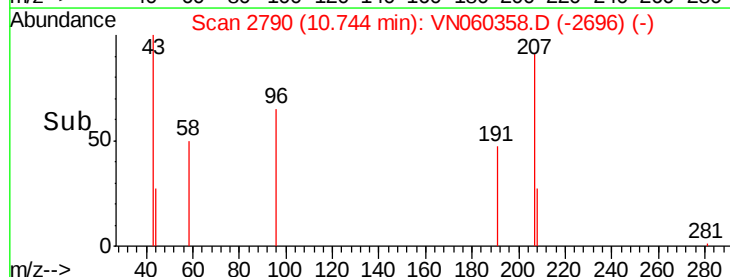
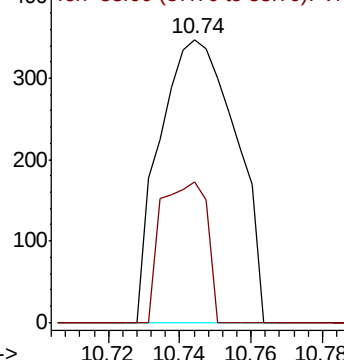
Ion Ratio Lower Upper

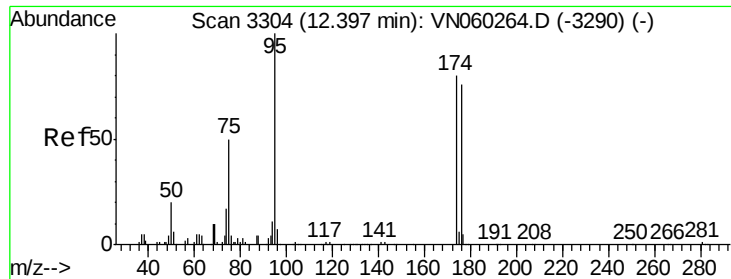
43 100

58 30.1 26.5 79.5



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2769) (-)

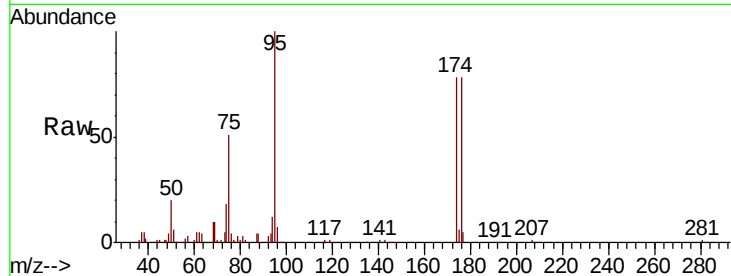




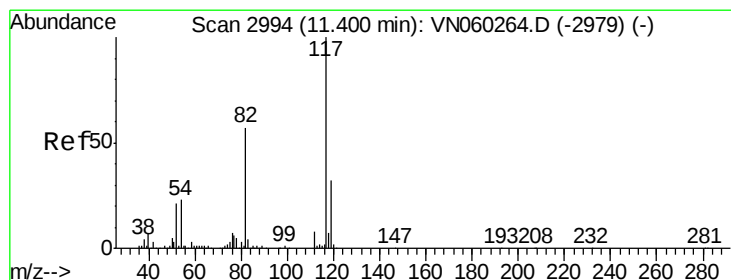
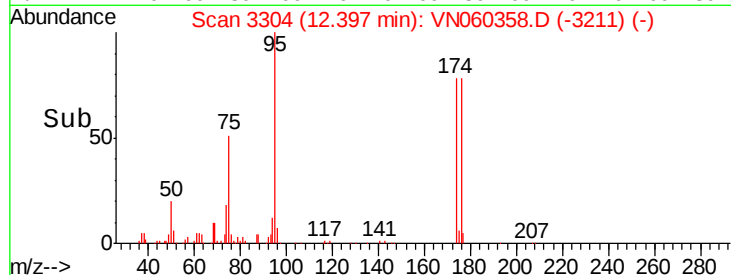
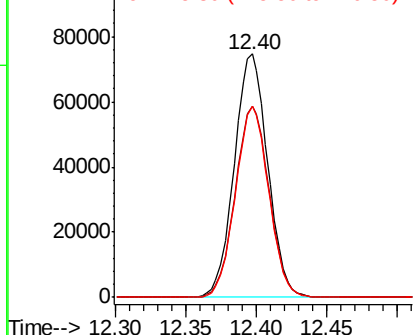
#62
4-Bromofluorobenzene
Concen: 47.211 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060358.D
Acq: 5 Mar 2020 11:23

Instrument :
MSVOA_N
ClientSampled :
VN0305MBL01

Tot Ion: 95 Resp: 124113
Ion Ratio Lower Upper
95 100
174 79.7 0.0 159.2
176 78.1 0.0 153.8

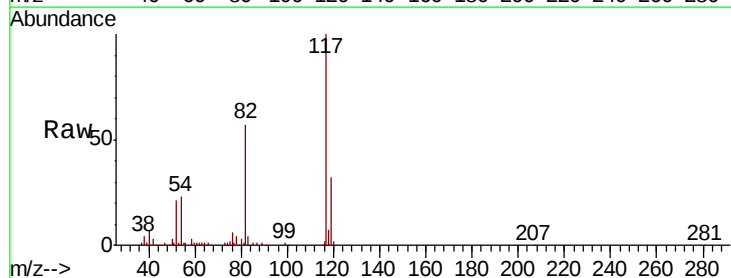


Abundance Ion 94.90 (94.60 to 95.60): VN0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

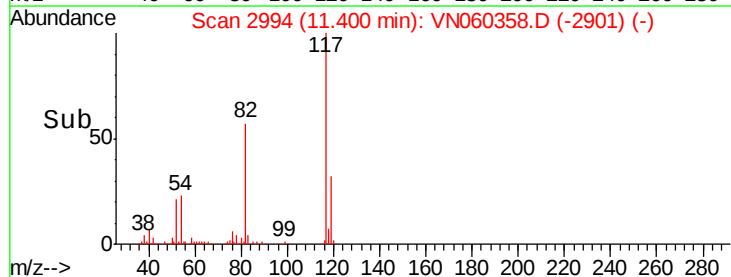
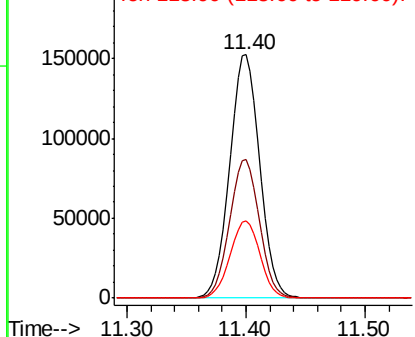


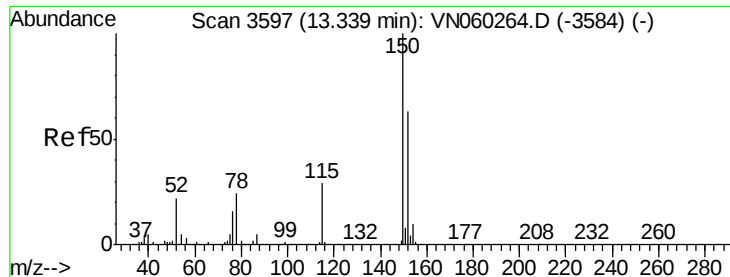
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060358.D
Acq: 5 Mar 2020 11:23

Tgt Ion: 117 Resp: 266101
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.6
119 31.8 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
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: VN060358.D

Acq: 5 Mar 2020 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBL01

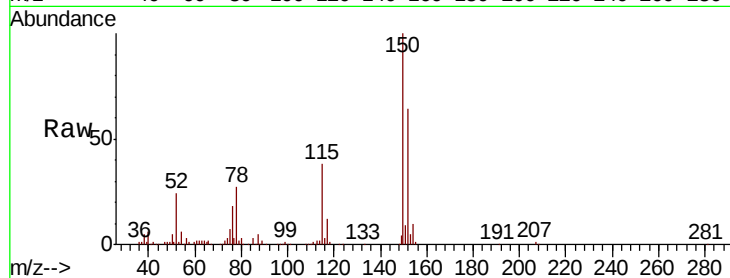
Tot Ion:152 Resp: 111514

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

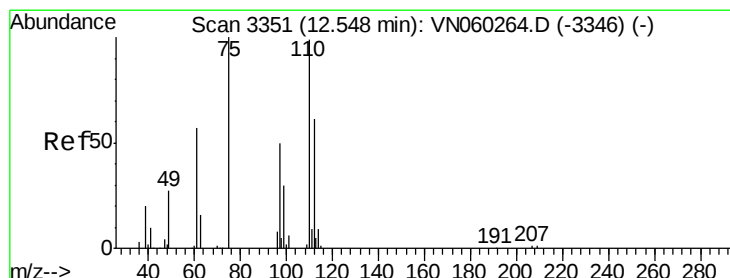
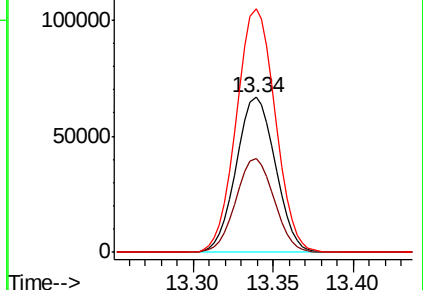
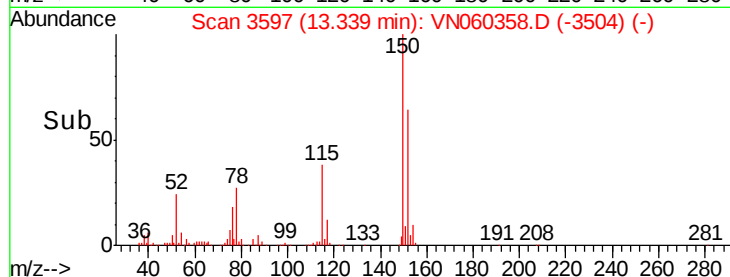
150 155.6 0.0 349.6



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: 26.085 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060358.D

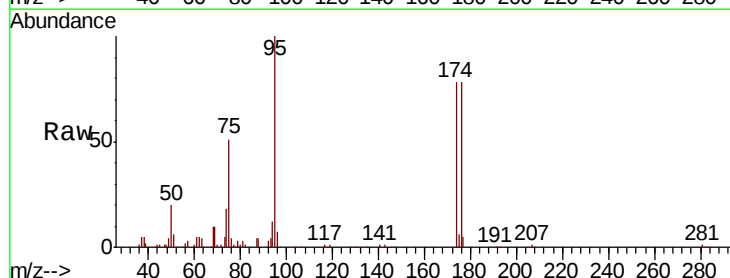
Acq: 5 Mar 2020 11:23

Tgt Ion: 75 Resp: 63821

Ion Ratio Lower Upper

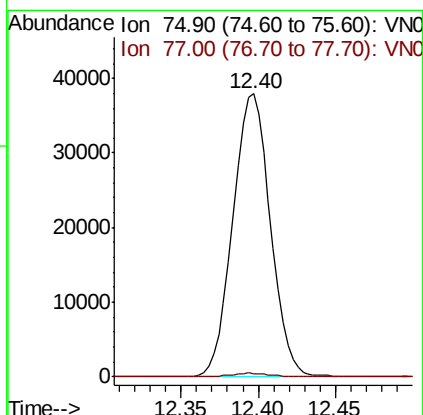
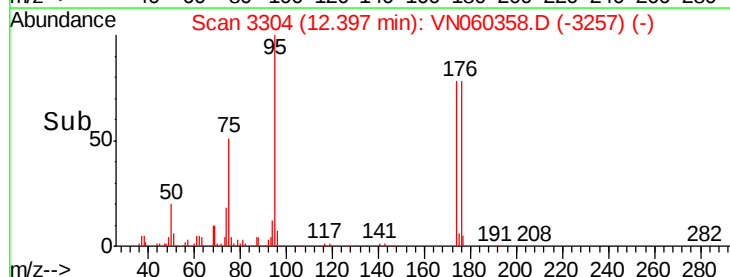
75 100

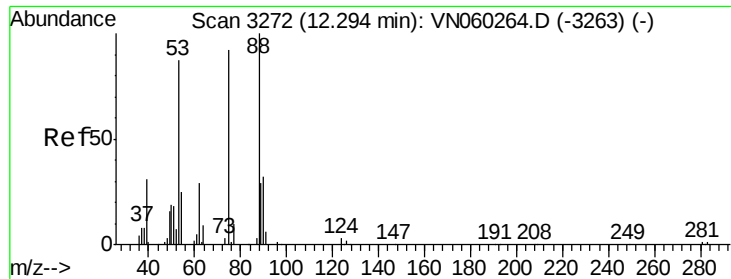
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

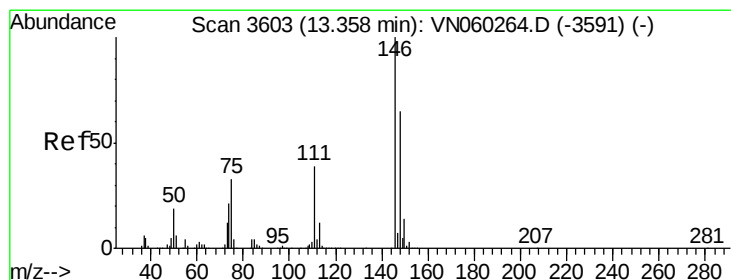
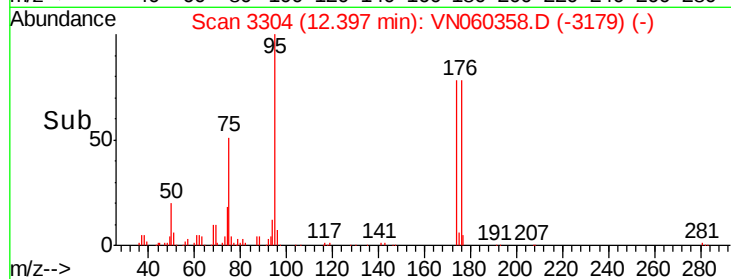
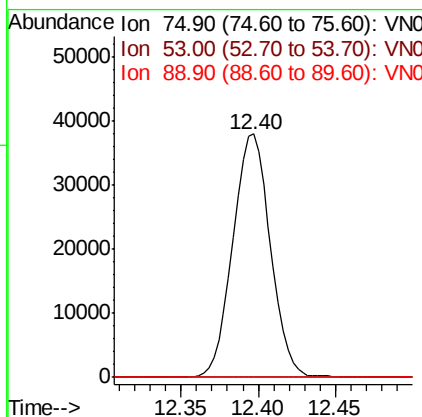
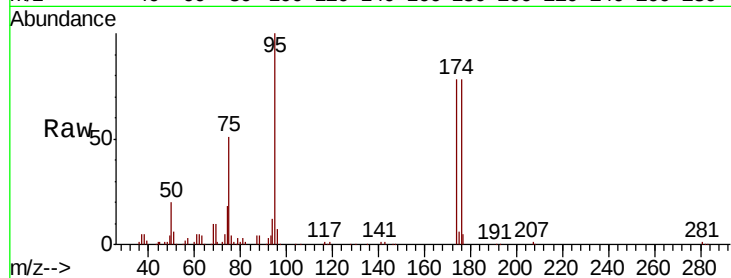




#81
trans-1,4-Dichloro-2-butene
Concen: 72.008 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060358.D
Acq: 5 Mar 2020 11:23

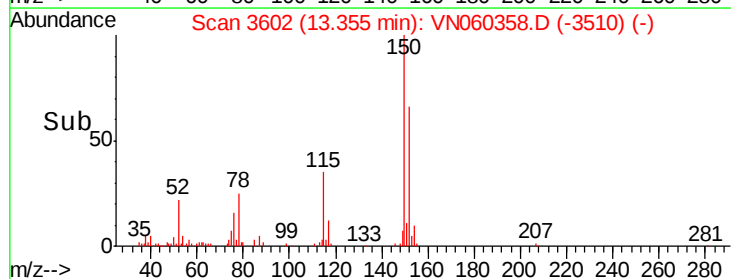
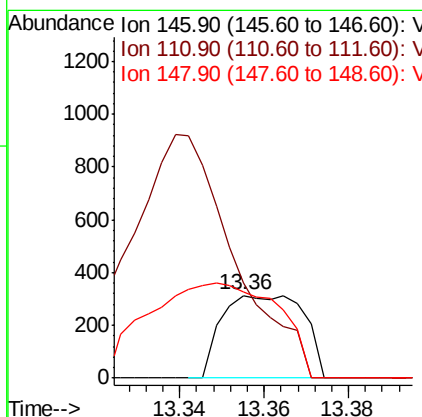
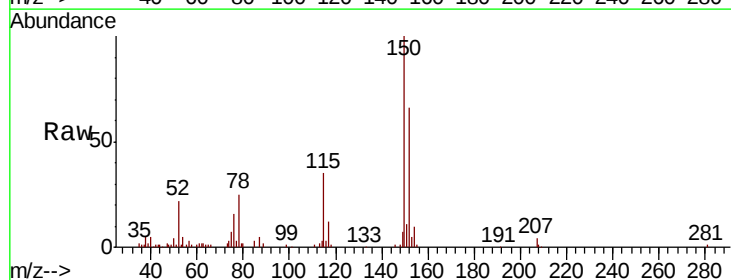
Instrument :
MSVOA_N
ClientSampleId :
VN0305MBL01

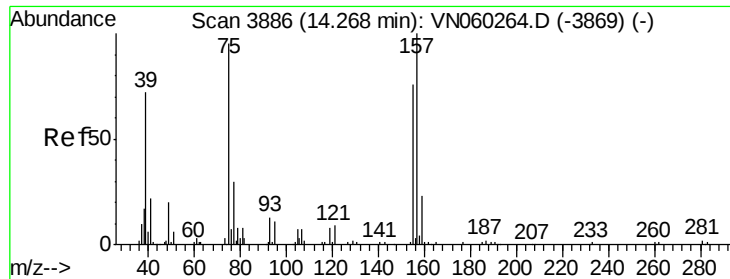
Tot Ion: 75 Resp: 63821
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3602
Delta R.T. -0.00 min
Lab File: VN060358.D
Acq: 5 Mar 2020 11:23

Tgt Ion: 146 Resp: 422
Ion Ratio Lower Upper
146 100
111 369.2 19.8 59.4#
148 182.9 32.3 96.9#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.373 ug/l

RT: 14.26 min Scan# 3885

Delta R.T. -0.00 min

Lab File: VN060358.D

Acq: 5 Mar 2020 11:23

Instrument :

MSVOA_N

ClientSampleId :

VN0305MBL01

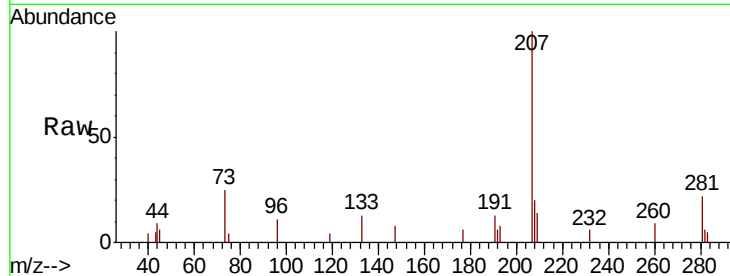
Tot Ion: 75 Resp: 190

Ion Ratio Lower Upper

75 100

155 0.0 40.4 121.2#

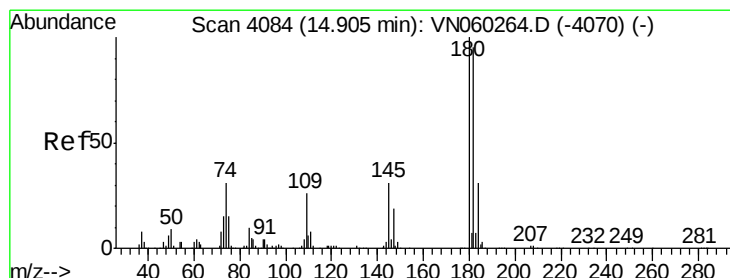
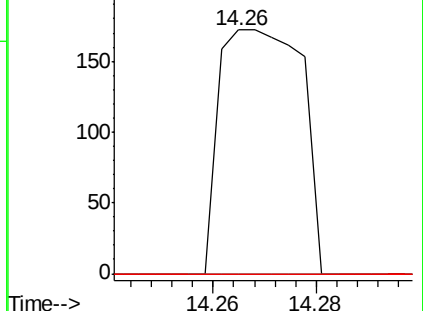
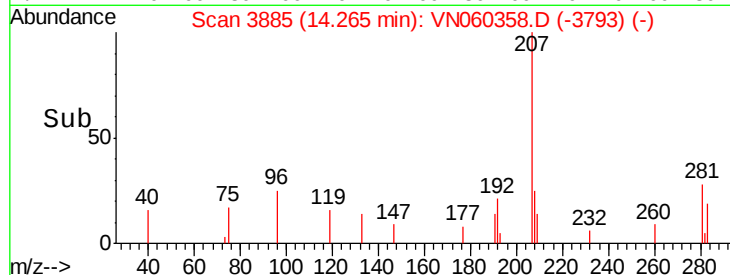
157 0.0 52.5 157.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060358.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN060358.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN060358.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.461 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.01 min

Lab File: VN060358.D

Acq: 5 Mar 2020 11:23

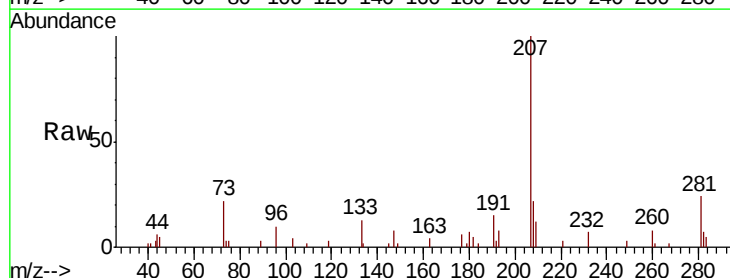
Tgt Ion: 180 Resp: 843

Ion Ratio Lower Upper

180 100

182 89.1 47.8 143.3

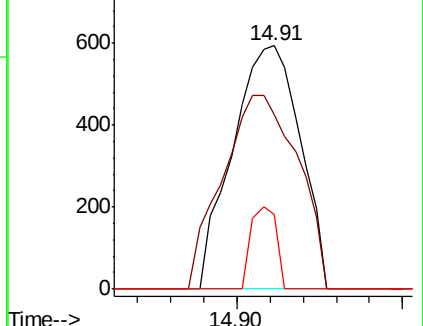
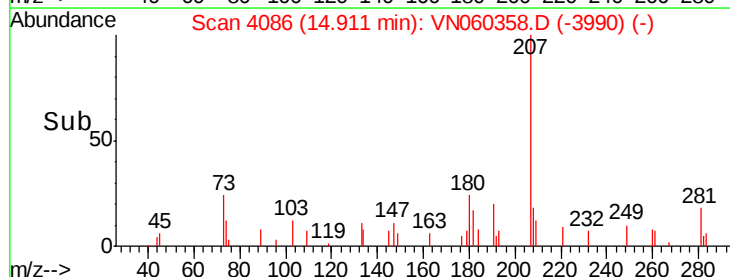
145 12.8 15.4 46.1#

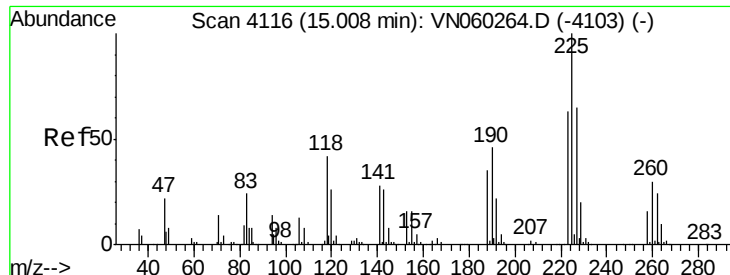


Abundance Ion 179.80 (179.50 to 180.50): VN060358.D (-3990) (-)

Ion 181.80 (181.50 to 182.50): VN060358.D (-3990) (-)

Ion 144.80 (144.50 to 145.50): VN060358.D (-3990) (-)

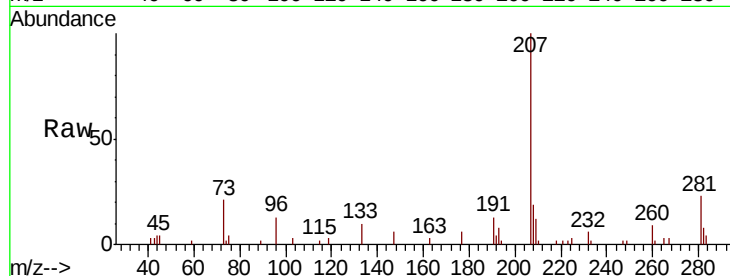




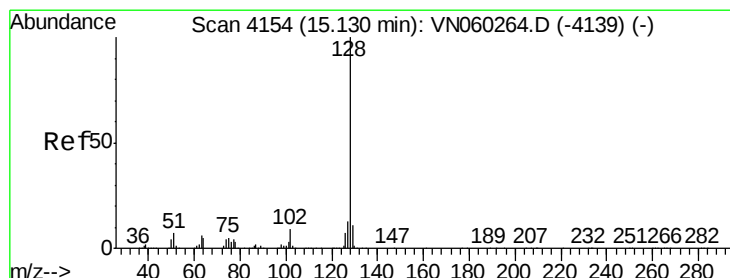
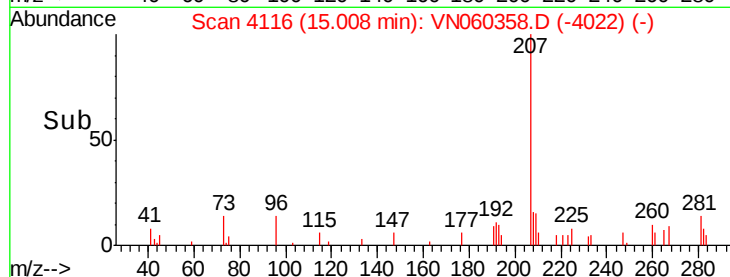
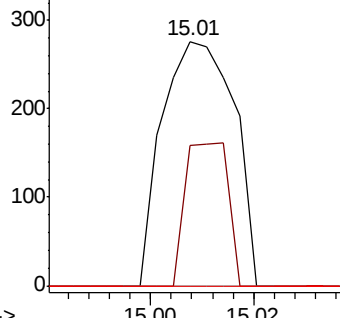
#94
Hexachlorobutadiene
Concen: Below Cal
RT: 15.01 min Scan# 4116
Delta R.T. 0.00 min
Lab File: VN060358.D
Acq: 5 Mar 2020 11:23

Instrument :
MSVOA_N
ClientSampleId :
VN0305MBL01

Tot Ion:225 Resp: 266
Ion Ratio Lower Upper
225 100
223 34.6 31.3 93.9
227 0.0 32.3 96.9#

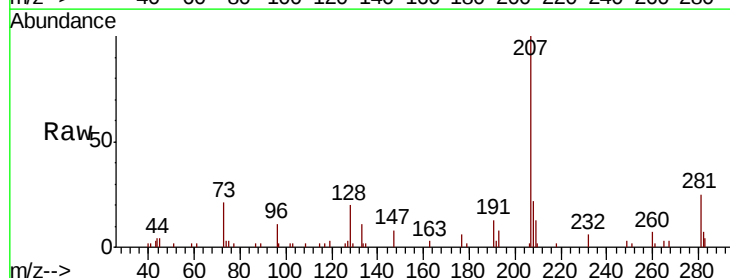


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

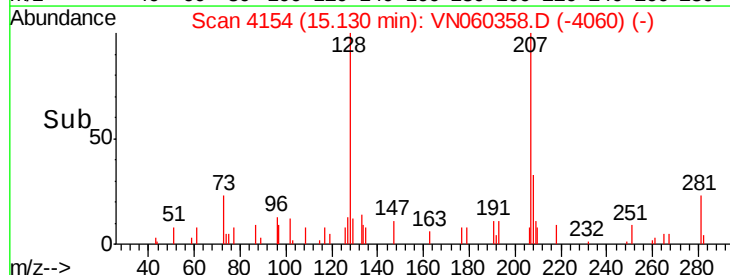
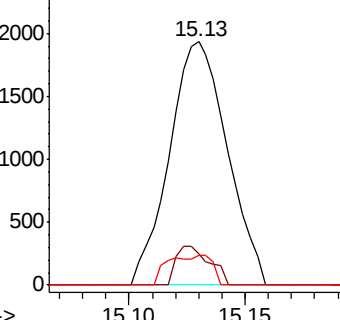


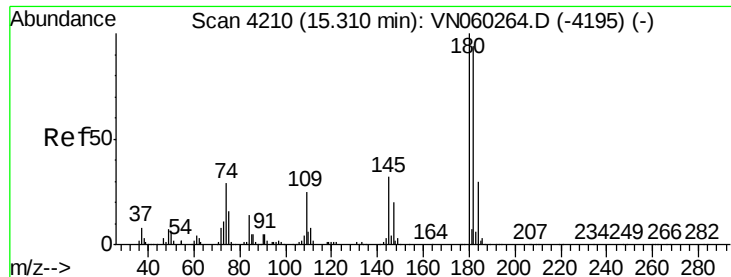
#95
Naphthalene
Concen: 0.233 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060358.D
Acq: 5 Mar 2020 11:23

Tgt Ion:128 Resp: 3347
Ion Ratio Lower Upper
128 100
127 9.2 10.4 15.6#
129 9.5 8.6 13.0



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: 0.371 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN060358.D
 Acq: 5 Mar 2020 11:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305MBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.2	47.3	142.0
145	31.4	16.2	48.5

