

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060162.D
 Acq On : 20 Feb 2020 10:36
 Operator : JC/MD
 Sample : VN0220MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:21:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	157463	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	249566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	218561	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	84176	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	92356	48.20	ug/l	0.00
Spiked Amount			Recovery	=	96.40%	
35) Dibromofluoromethane	7.56	113	76056	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
50) Toluene-d8	10.08	98	293972	48.66	ug/l	0.00
Spiked Amount			Recovery	=	97.32%	
62) 4-Bromofluorobenzene	12.40	95	95824	43.17	ug/l	0.00
Spiked Amount			Recovery	=	86.34%	

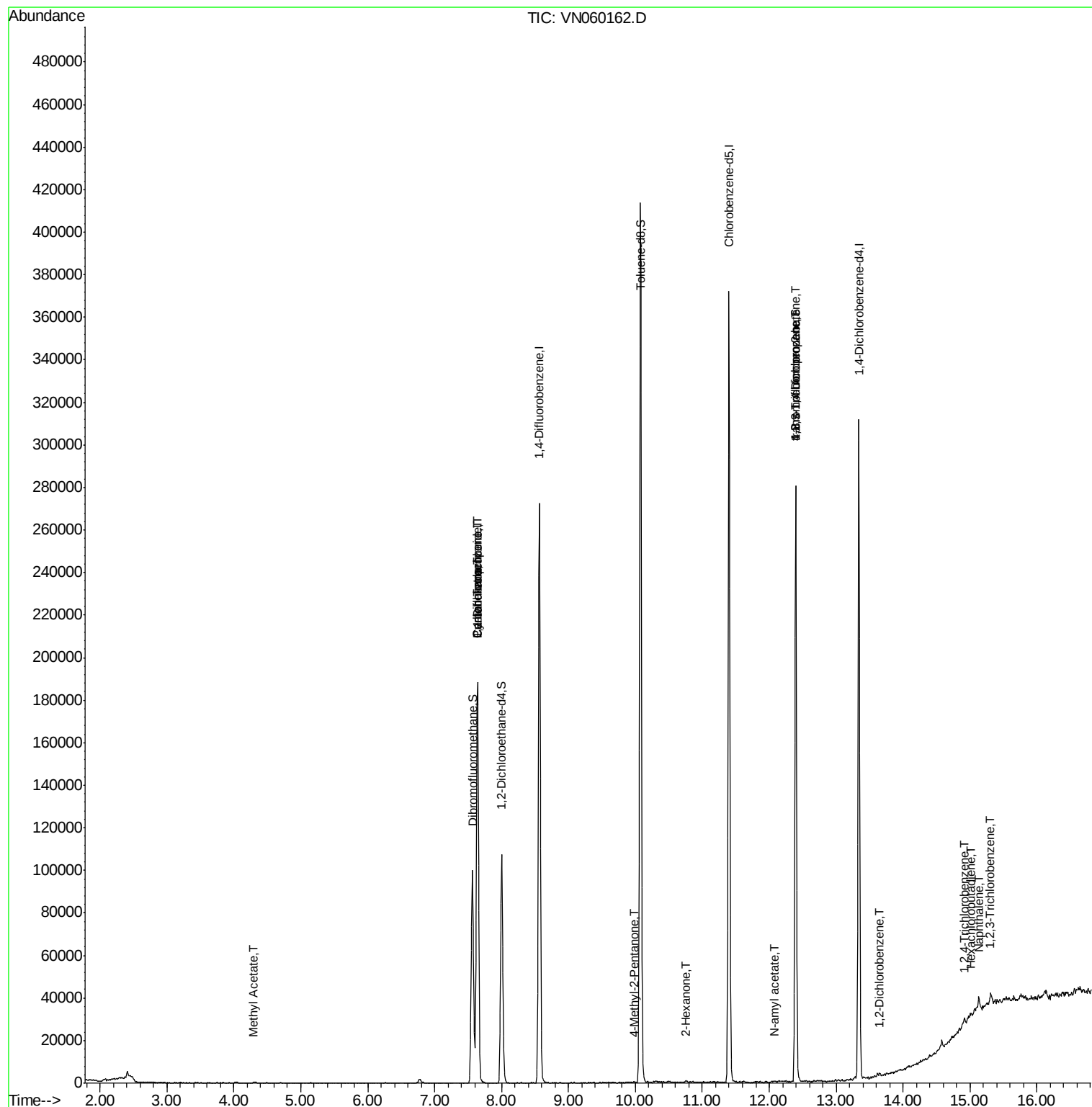
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Methyl Acetate	4.30	43	473	0.301	ug/l #	50
31) Cyclohexane	7.64	56	3278	1.210	ug/l #	32
36) 1,1-Dichloropropene	7.64	75	11660	5.044	ug/l #	45
38) Carbon Tetrachloride	7.64	117	14931	5.947	ug/l #	16
51) 4-Methyl-2-Pentanone	9.98	43	438	0.212	ug/l #	35
59) 2-Hexanone	10.75	43	929	0.582	ug/l #	52
74) N-amyl acetate	12.08	43	481	0.212	ug/l #	43
76) 1,2,3-Trichloropropane	12.39	75	48675	30.224	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	48675	74.004	ug/l #	12
91) 1,2-Dichlorobenzene	13.65	146	629	0.233	ug/l #	64
92) 1,2-Dibromo-3-Chloropropan	14.27	75	135	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	1337	0.842	ug/l	88
94) Hexachlorobutadiene	15.00	225	289	0.311	ug/l #	39
95) Naphthalene	15.13	128	5767	1.345	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	2200	1.391	ug/l	91

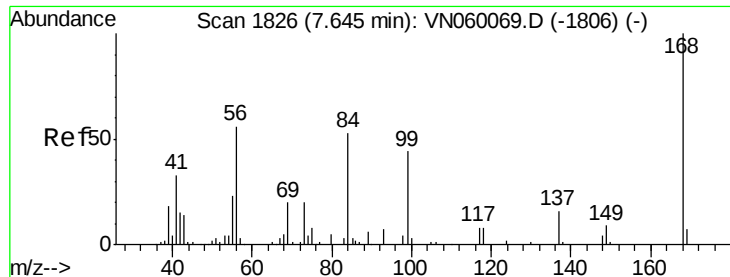
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022020\
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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Feb 21 02:21:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

Instrument :

MSVOA_N

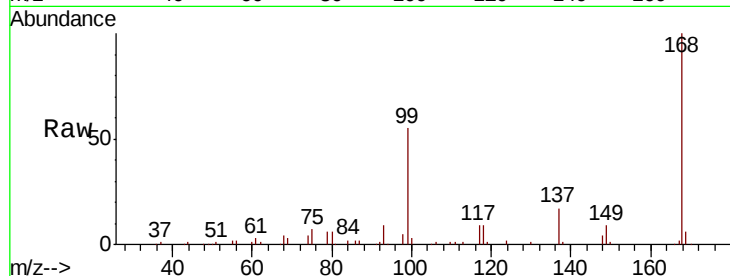
ClientSampled :

Tot Ion:168 Resp: 157463

Ion Ratio Lower Upper

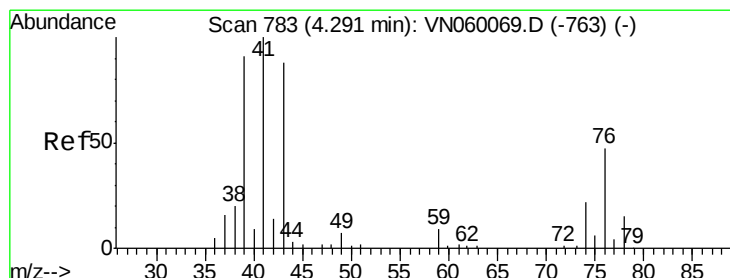
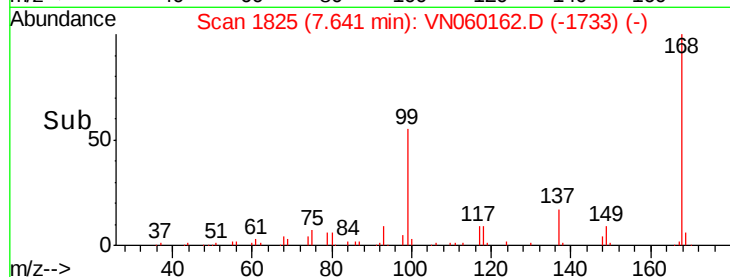
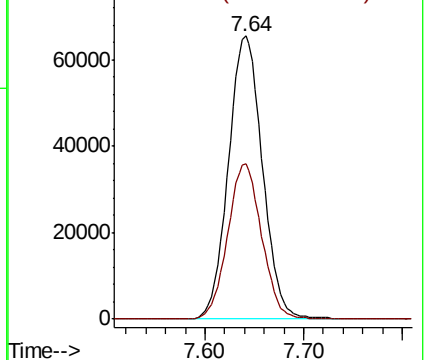
168 100

99 54.9 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#18

Methyl Acetate

Concen: 0.301 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060162.D

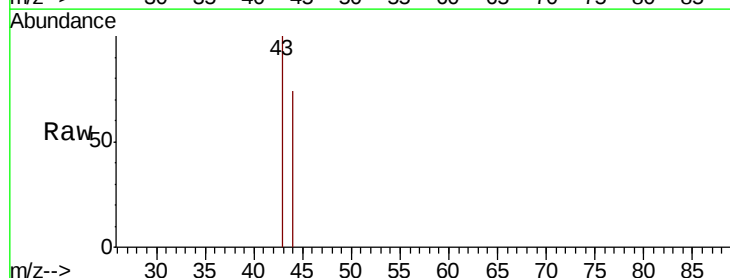
Acq: 20 Feb 2020 10:36

Tgt Ion: 43 Resp: 473

Ion Ratio Lower Upper

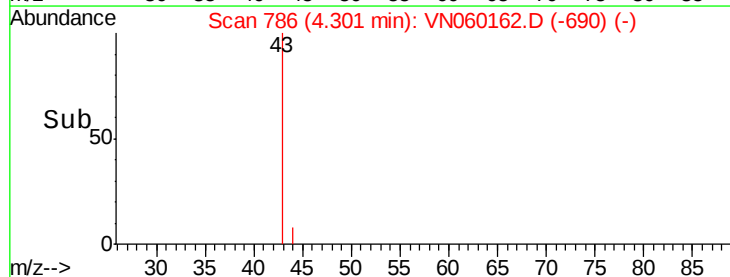
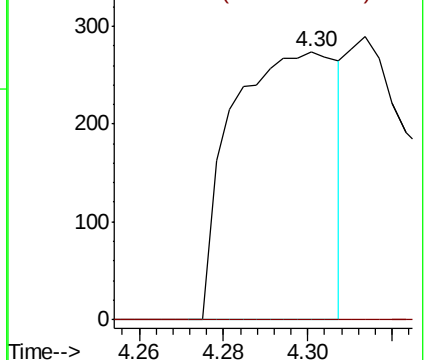
43 100

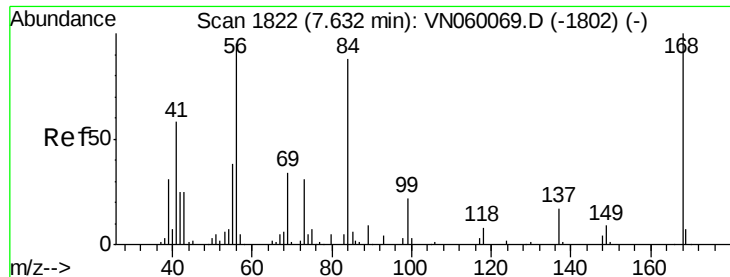
74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

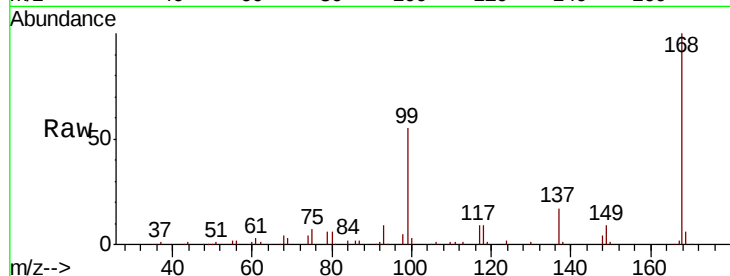




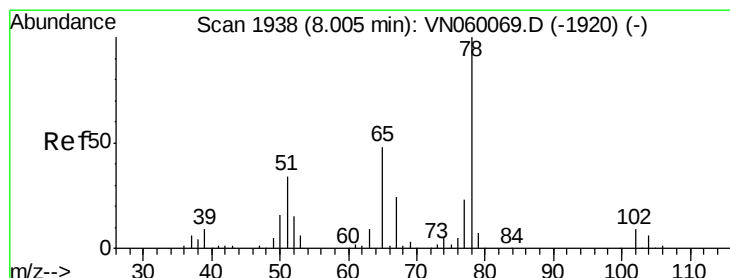
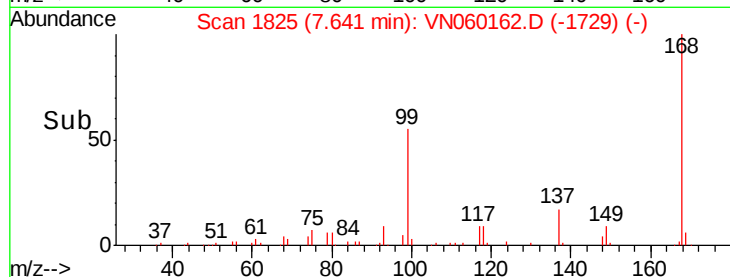
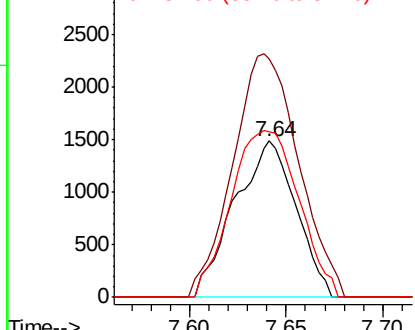
#31
Cyclohexane
Concen: 1.210 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060162.D
Acq: 20 Feb 2020 10:36

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3278
Ion Ratio Lower Upper
56 100
69 152.4 28.3 42.5#
84 105.9 72.6 108.8

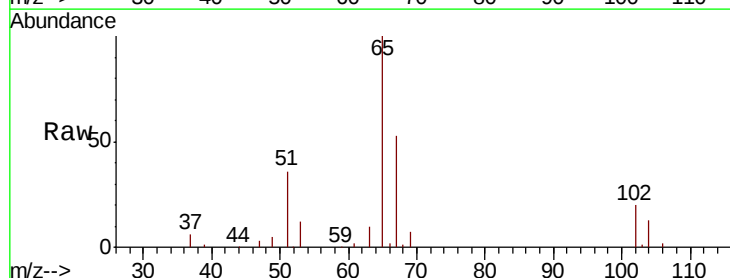


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

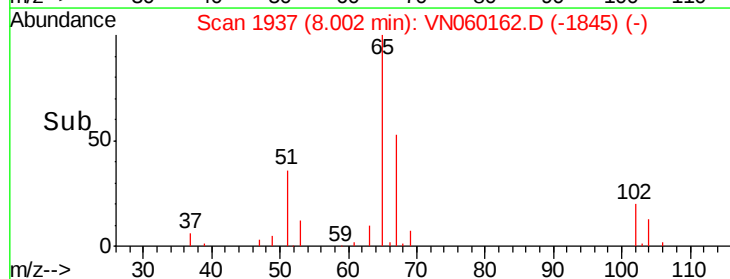
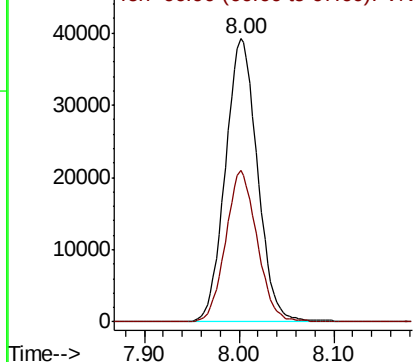


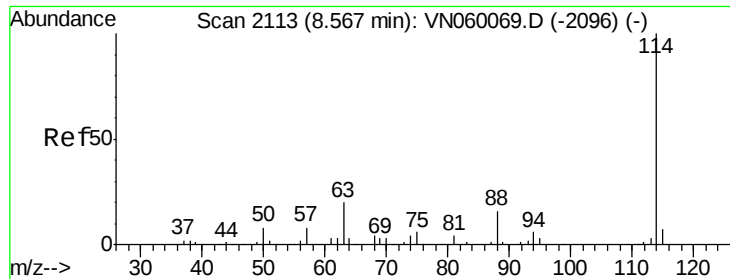
#33
1,2-Dichloroethane-d4
Concen: 48.201 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060162.D
Acq: 20 Feb 2020 10:36

Tgt Ion: 65 Resp: 92356
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.0



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: 8.56 min Scan# 2112

Delta R.T. -0.00 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

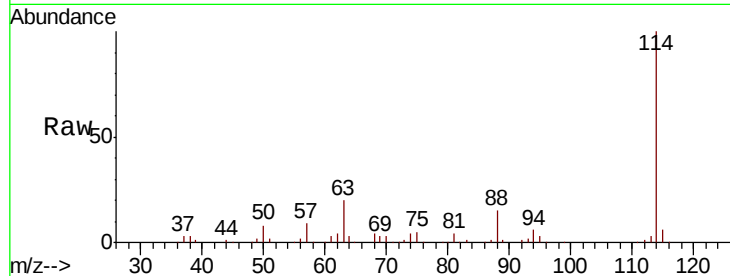
Tot Ion:114 Resp: 249566

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

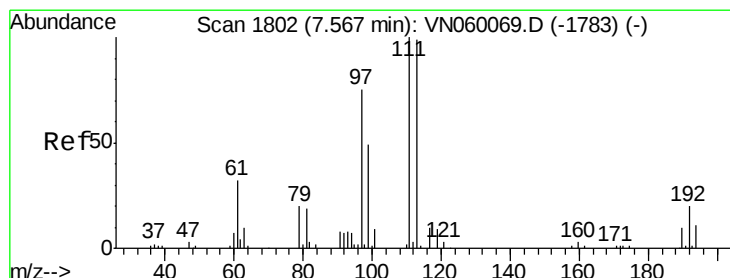
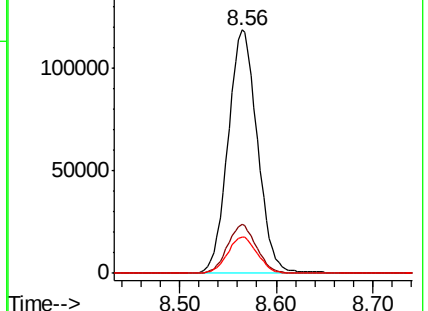
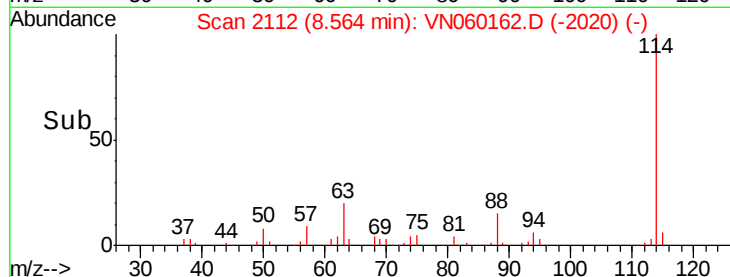
88 15.1 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 49.577 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. -0.00 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

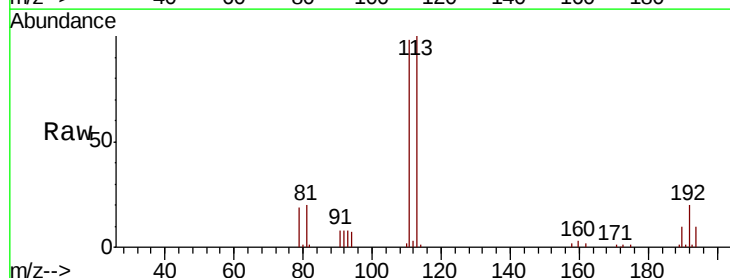
Tgt Ion:113 Resp: 76056

Ion Ratio Lower Upper

113 100

111 101.3 81.4 122.2

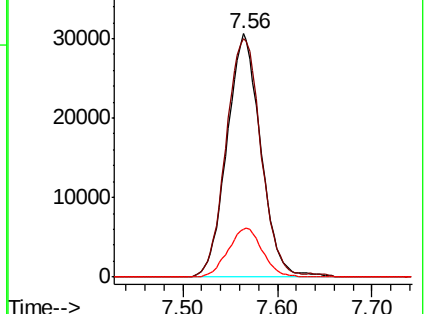
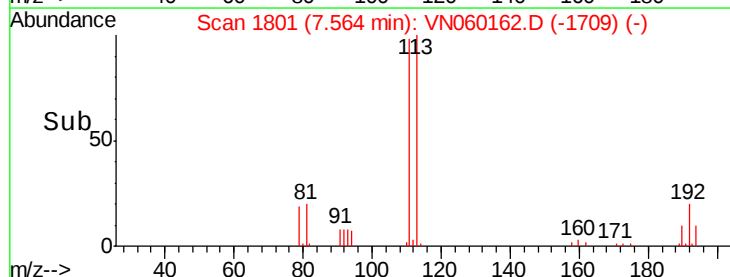
192 20.4 16.2 24.2

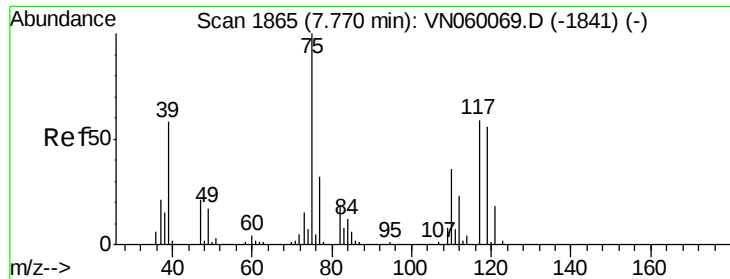


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.044 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

Instrument :
MSVOA_N
ClientSampled :

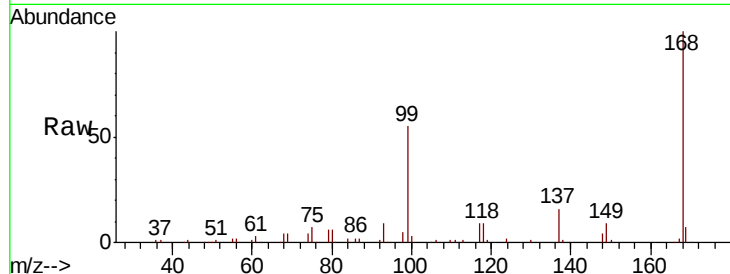
Tot Ion: 75 Resp: 11660

Ion Ratio Lower Upper

75 100

110 4.2 18.1 54.3#

77 0.0 25.1 37.7#

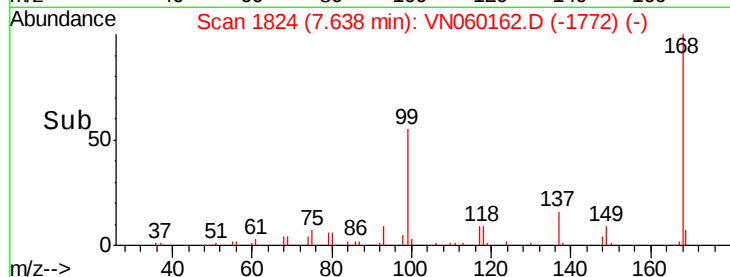


Abundance Ion 74.90 (74.60 to 75.60): VN060162.D (-1772) (-)

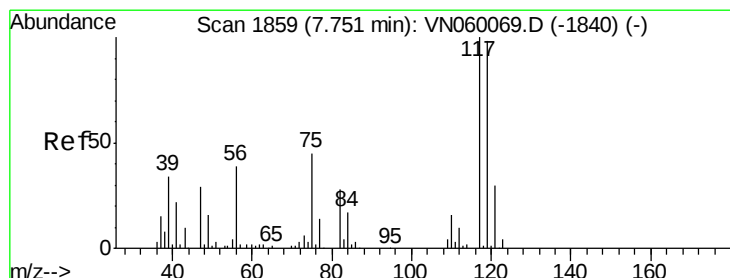
Ion 109.90 (109.60 to 110.60): VN060162.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060162.D (-1772) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.947 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

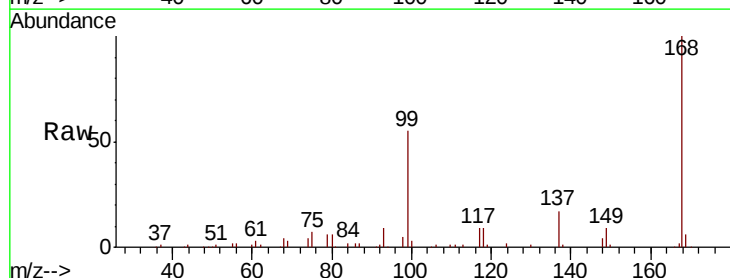
Tgt Ion: 117 Resp: 14931

Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.4#

121 0.0 24.2 36.2#

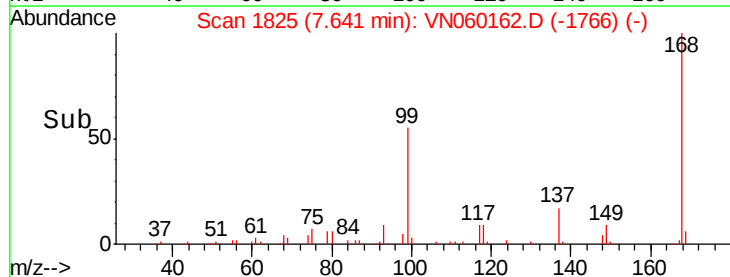


Abundance Ion 116.80 (116.50 to 117.50): VN060162.D (-1766) (-)

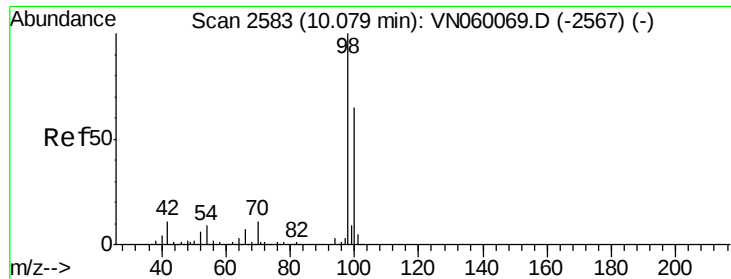
Ion 118.80 (118.50 to 119.50): VN060162.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060162.D (-1766) (-)

Time-->



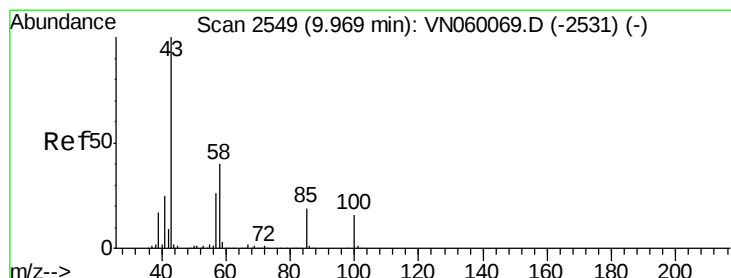
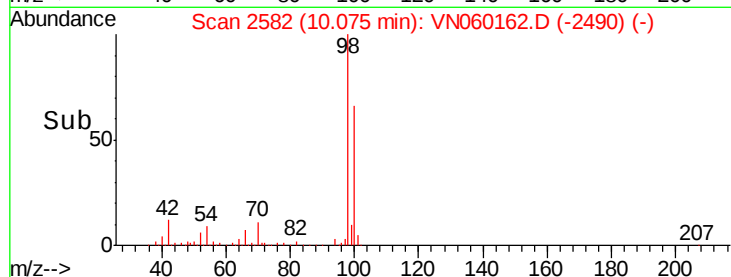
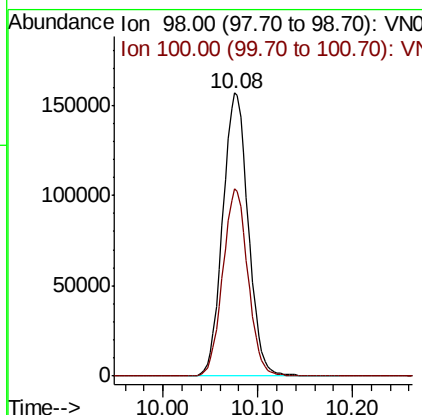
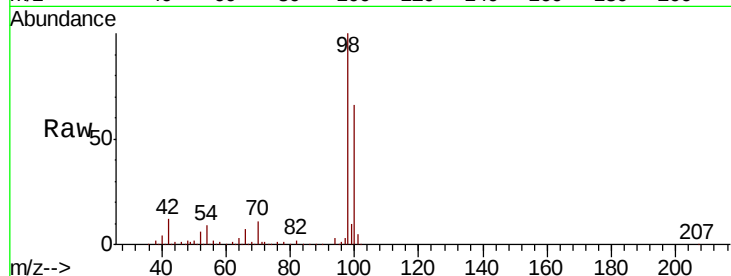
Time-->



#50
Toluene-d8
Concen: 48.662 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060162.D
Acq: 20 Feb 2020 10:36

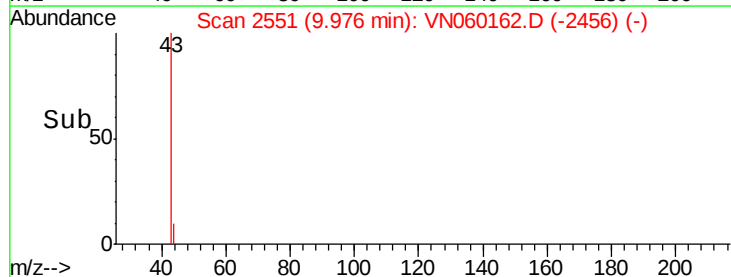
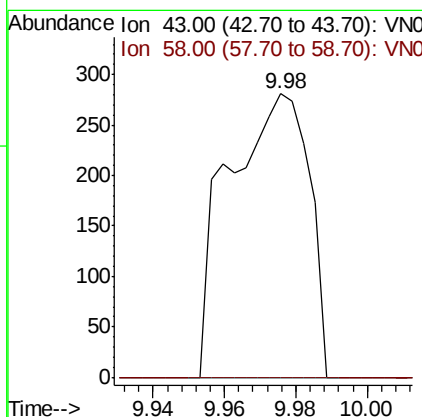
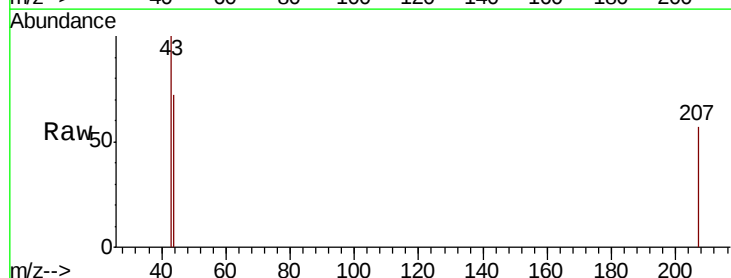
Instrument :
MSVOA_N
ClientSampleId :

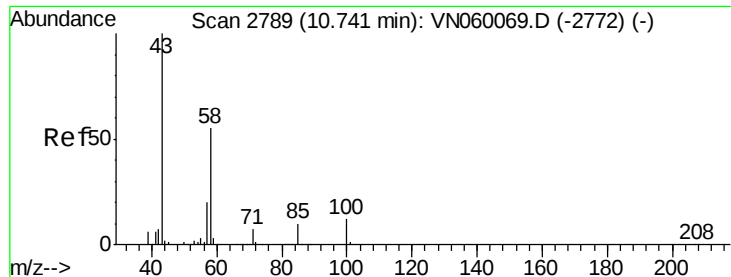
Tot Ion: 98 Resp: 293972
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.212 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. 0.01 min
Lab File: VN060162.D
Acq: 20 Feb 2020 10:36

Tgt Ion: 43 Resp: 438
Ion Ratio Lower Upper
43 100
58 0.0 31.8 47.8#





#59

2-Hexanone

Concen: 0.582 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.01 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

Instrument :

MSVOA_N

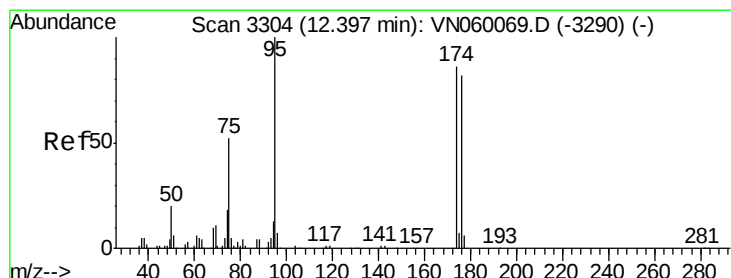
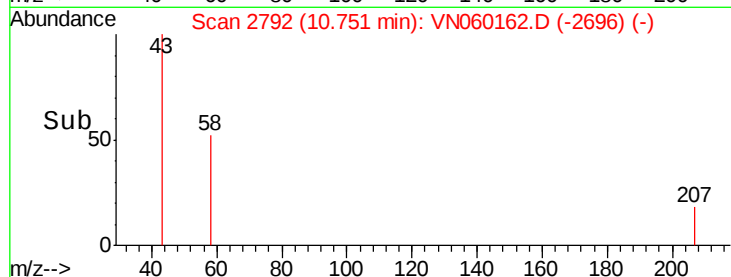
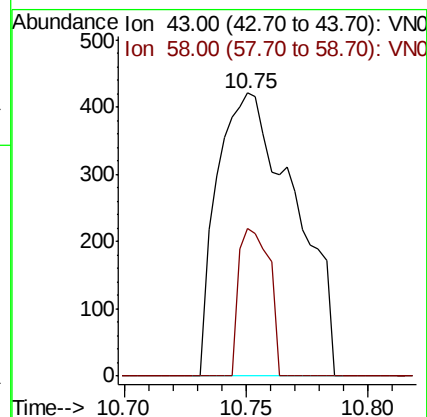
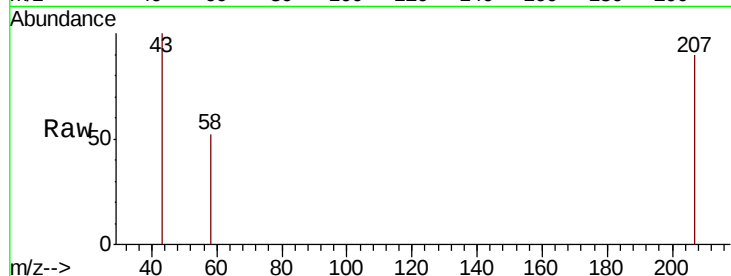
ClientSampled :

Tot Ion: 43 Resp: 929

Ion Ratio Lower Upper

43 100

58 20.3 27.5 82.4#



#62

4-Bromofluorobenzene

Concen: 43.167 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

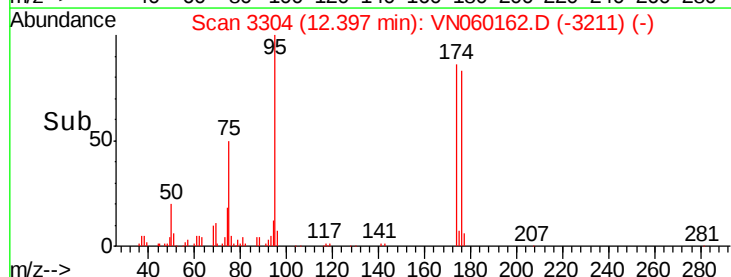
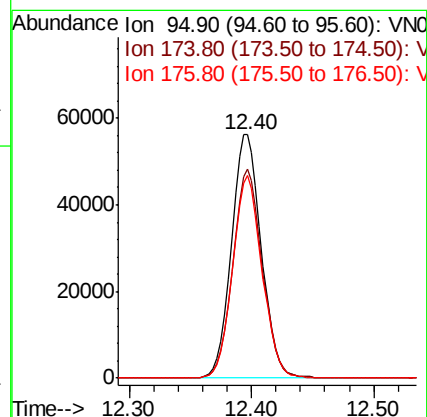
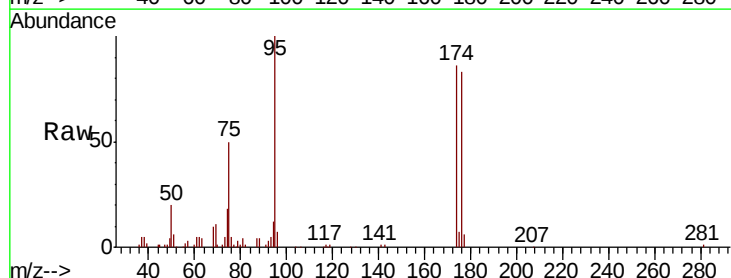
Tgt Ion: 95 Resp: 95824

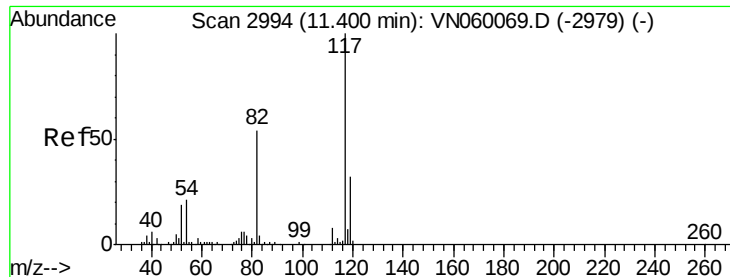
Ion Ratio Lower Upper

95 100

174 84.8 0.0 169.8

176 82.0 0.0 164.8

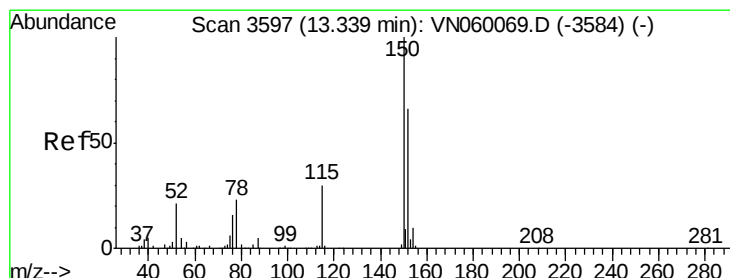
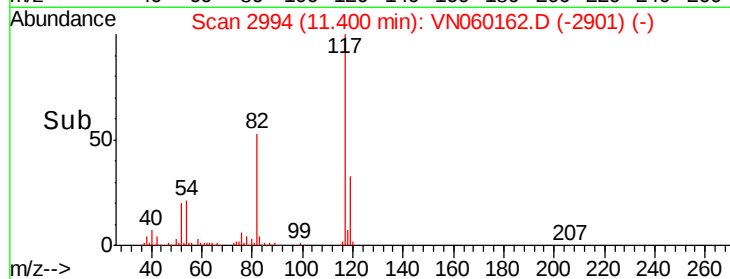
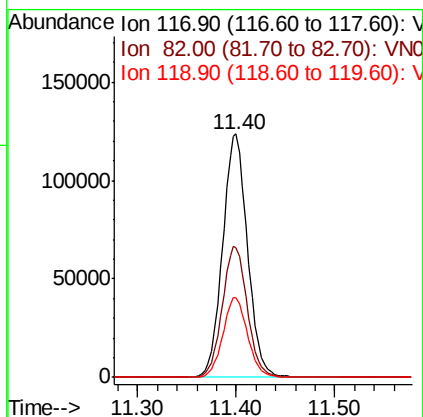
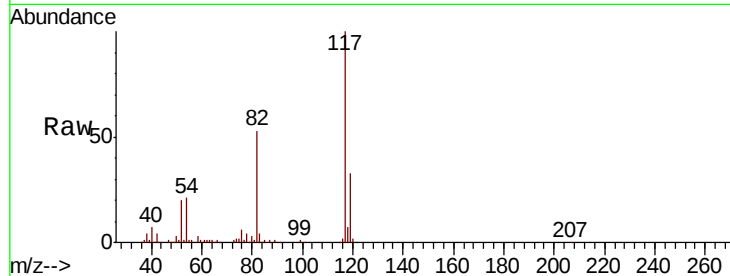




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060162.D
Acq: 20 Feb 2020 10:36

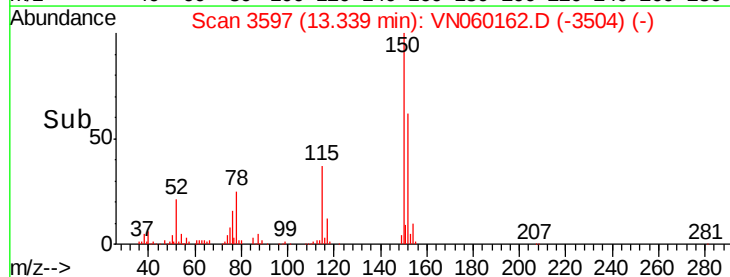
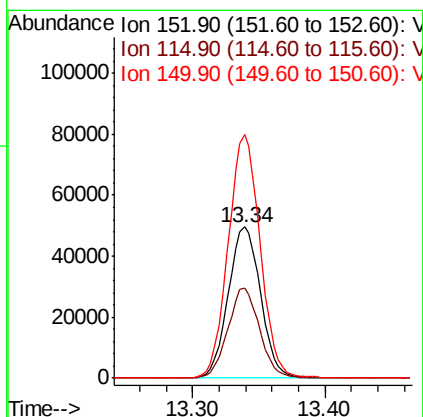
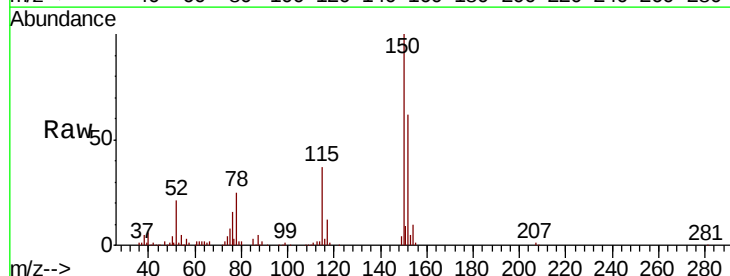
Instrument :
MSVOA_N
ClientSampleId :

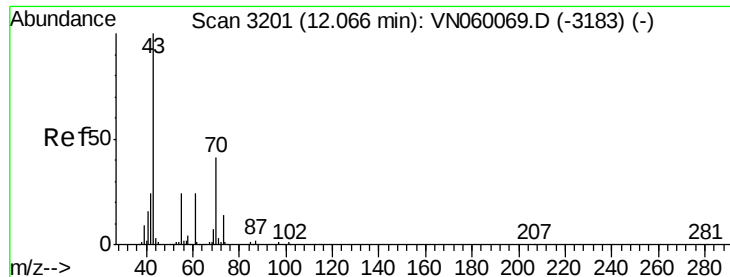
Tot Ion:117 Resp: 218561
Ion Ratio Lower Upper
117 100
82 53.5 43.4 65.0
119 32.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060162.D
Acq: 20 Feb 2020 10:36

Tgt Ion:152 Resp: 84176
Ion Ratio Lower Upper
152 100
115 58.4 28.9 86.8
150 158.6 0.0 342.4





#74

N-amvl acetate

Concen: 0.212 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 481

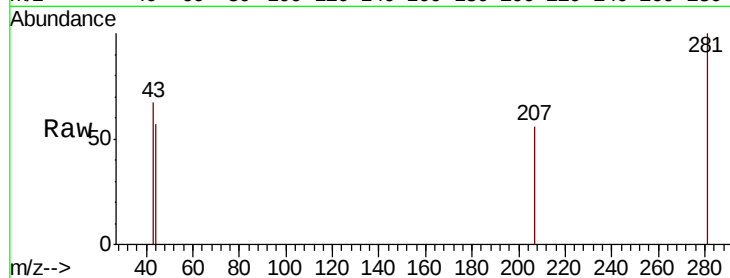
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

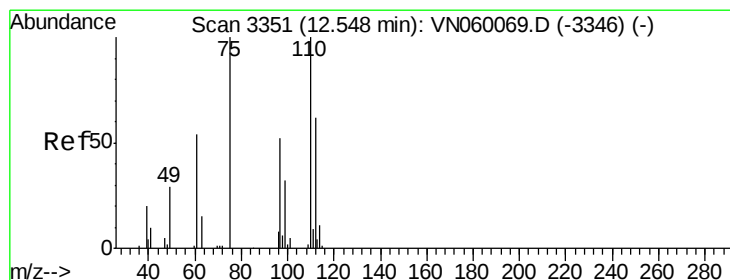
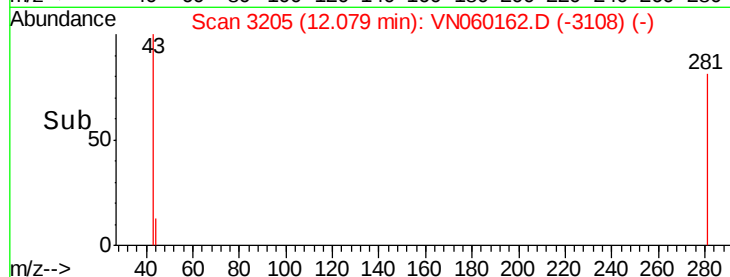
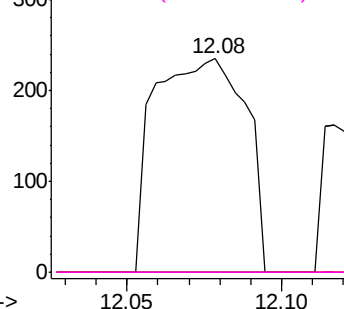


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 30.224 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060162.D

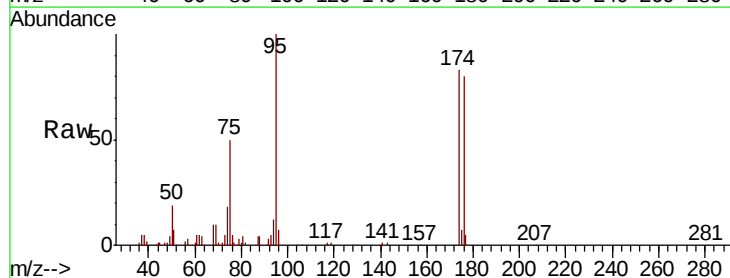
Acq: 20 Feb 2020 10:36

Tgt Ion: 75 Resp: 48675

Ion Ratio Lower Upper

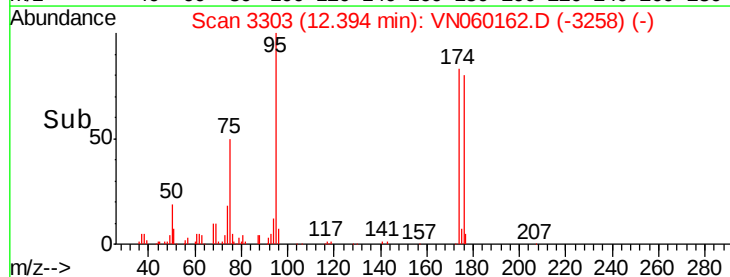
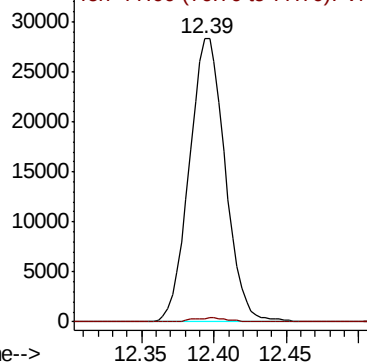
75 100

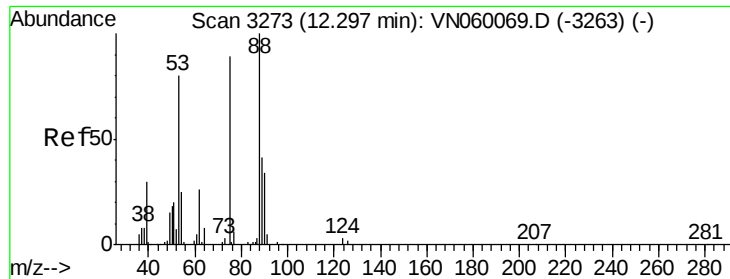
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 74.004 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

Instrument :

MSVOA_N

ClientSampleId :

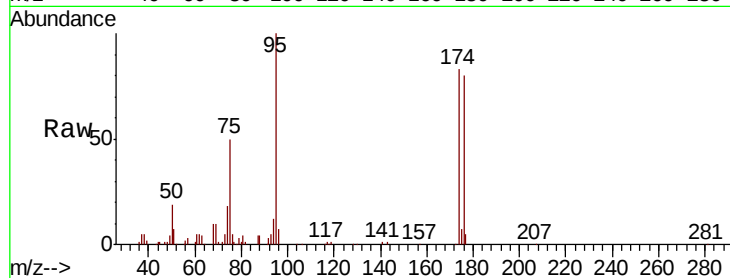
Tot Ion: 75 Resp: 48675

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

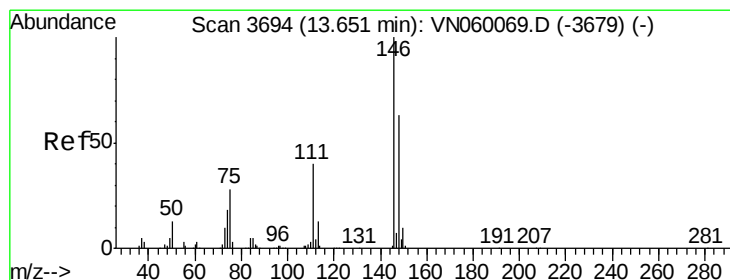
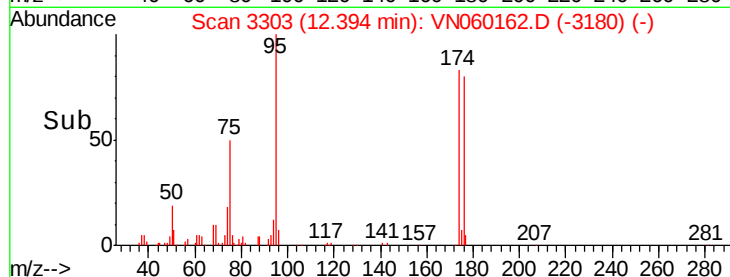
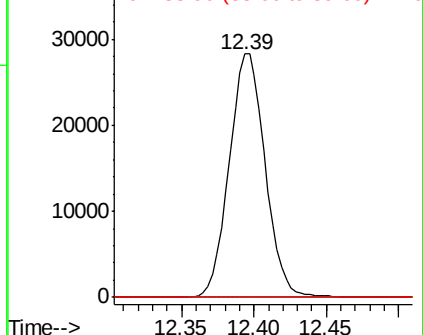
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060162.D (-3303) (-)

Ion 53.00 (52.70 to 53.70): VN060162.D (-3303) (-)

Ion 88.90 (88.60 to 89.60): VN060162.D (-3303) (-)



#91

1,2-Dichlorobenzene

Concen: 0.233 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

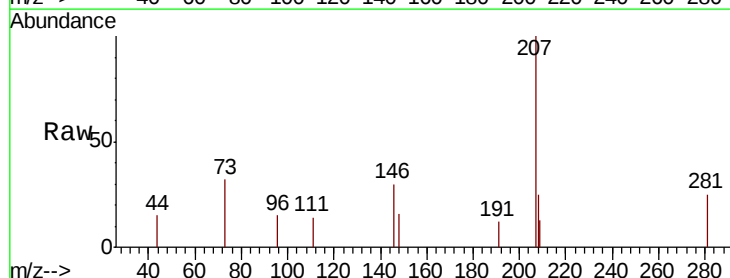
Tgt Ion: 146 Resp: 629

Ion Ratio Lower Upper

146 100

111 19.4 20.1 60.2#

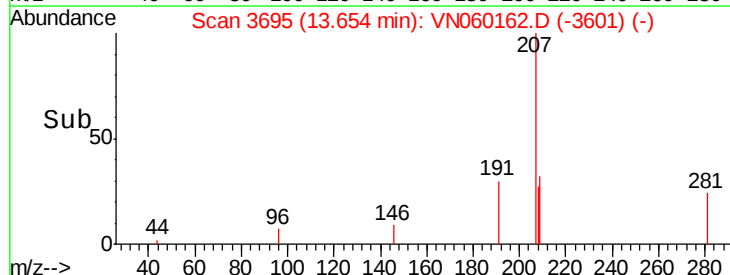
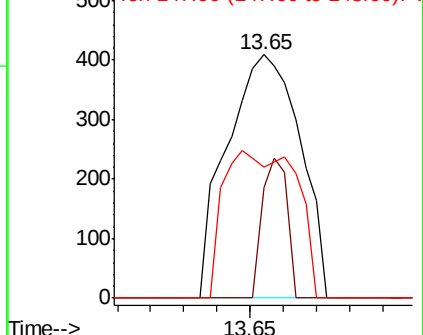
148 34.3 31.9 95.5

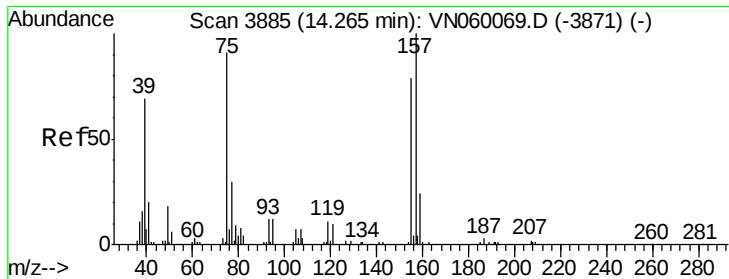


Abundance Ion 145.90 (145.60 to 146.60): VN060162.D (-3695) (-)

Ion 110.90 (110.60 to 111.60): VN060162.D (-3695) (-)

Ion 147.90 (147.60 to 148.60): VN060162.D (-3695) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

Instrument :

MSVOA_N

ClientSampled :

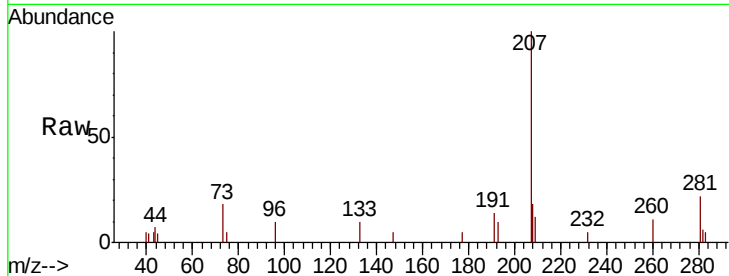
Tot Ion: 75 Resp: 135

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

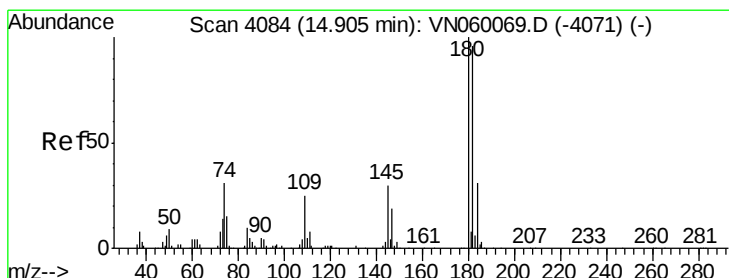
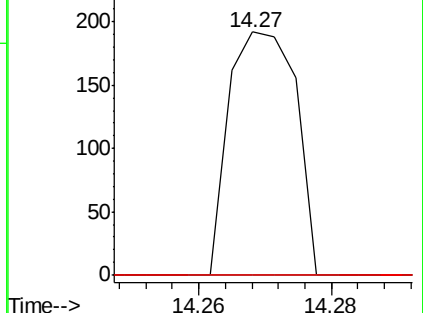
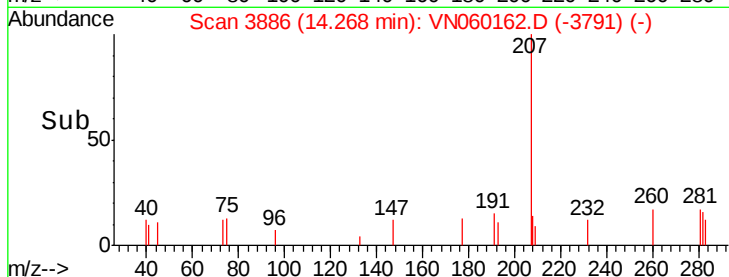
157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060162.D (-3871) (-)

Ion 154.80 (154.50 to 155.50): VN060162.D (-3871) (-)

Ion 156.80 (156.50 to 157.50): VN060162.D (-3871) (-)



#93

1,2,4-Trichlorobenzene

Concen: 0.842 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060162.D

Acq: 20 Feb 2020 10:36

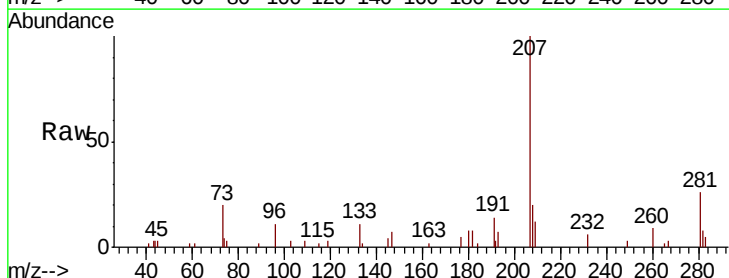
Tgt Ion: 180 Resp: 1337

Ion Ratio Lower Upper

180 100

182 81.8 47.9 143.8

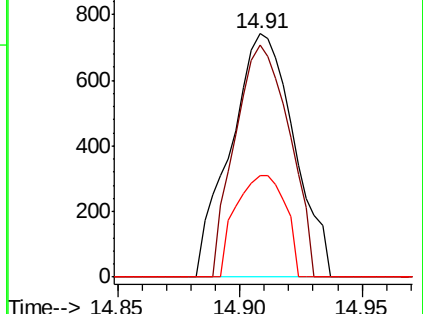
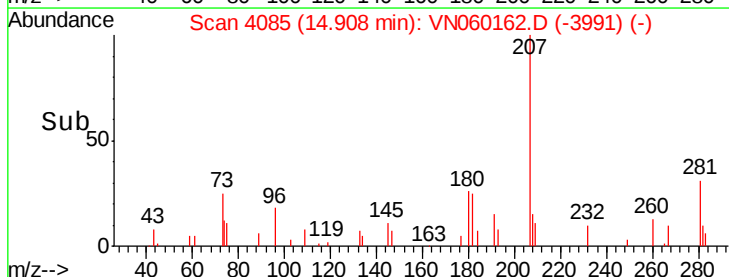
145 32.5 15.2 45.5

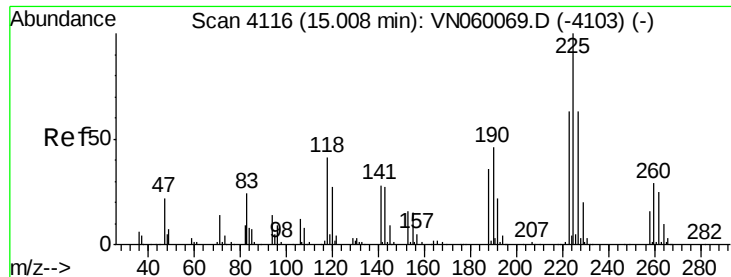


Abundance Ion 179.80 (179.50 to 180.50): VN060162.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN060162.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN060162.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: 0.311 ug/l

RT: 15.00 min Scan# 4114

Delta R.T. -0.01 min

Lab File: VN060162.D

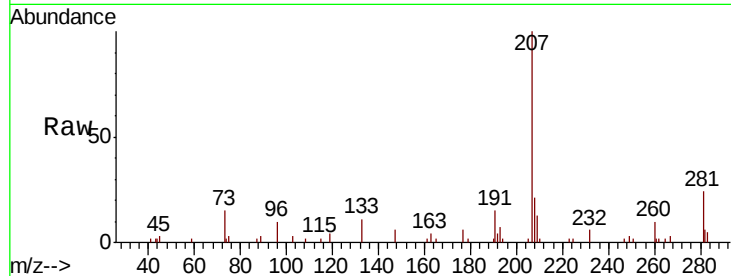
Acq: 20 Feb 2020 10:36

Instrument :

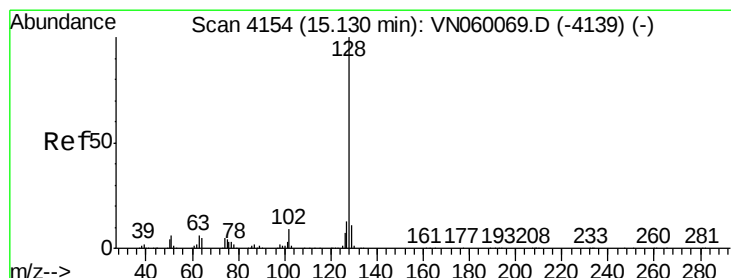
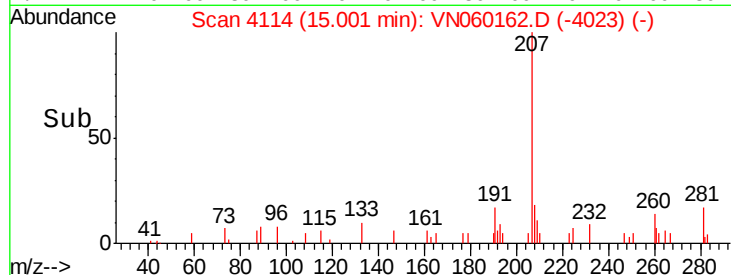
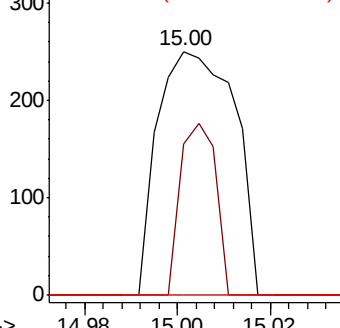
MSVOA_N

ClientSampleId :

Tot Ion:	225	Resp:	289
Ion	Ratio	Lower	Upper
225	100		
223	32.2	31.5	94.5
227	0.0	31.8	95.4#



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: 1.345 ug/l

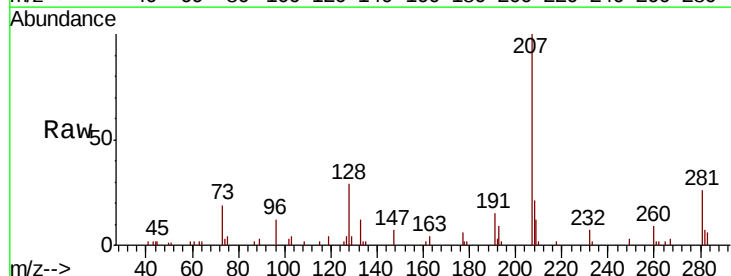
RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

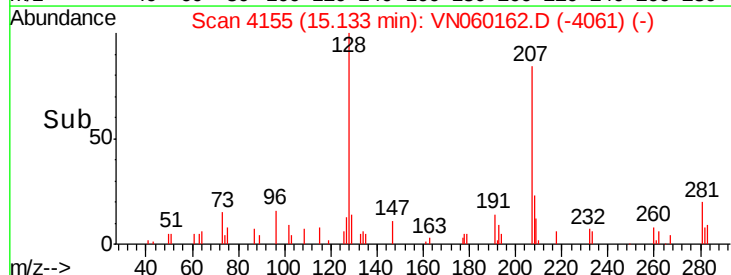
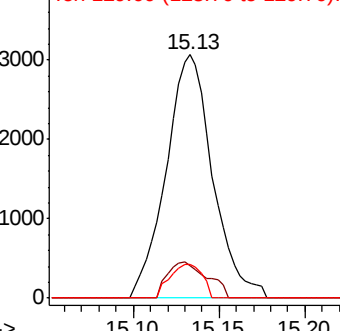
Lab File: VN060162.D

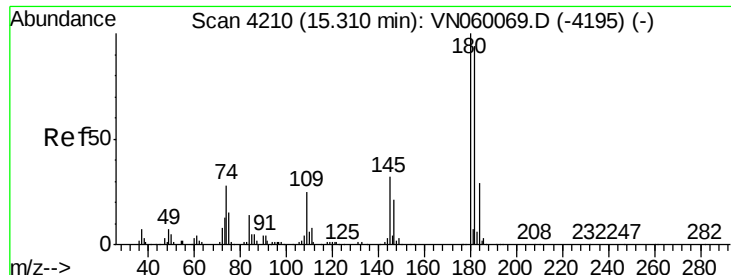
Acq: 20 Feb 2020 10:36

Tgt Ion:	128	Resp:	5767
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.3	15.5
129	9.7	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: 1.391 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. 0.00 min
 Lab File: VN060162.D
 Acq: 20 Feb 2020 10:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	84.0	47.5	142.5
145	30.5	16.1	48.3

