

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022820\
 Data File : VN060277.D
 Acq On : 28 Feb 2020 12:25
 Operator : JC/MD
 Sample : L1733-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 29 00:35:42 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	222866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	360790	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	335354	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156495	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	138058	48.28	ug/l	0.00
Spiked Amount						
			Recovery	=	96.56%	
35) Dibromofluoromethane	7.56	113	93171	55.64	ug/l	0.00
Spiked Amount						
			Recovery	=	111.28%	
50) Toluene-d8	10.08	98	440234	51.94	ug/l	0.00
Spiked Amount						
			Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.40	95	164736	51.27	ug/l	0.00
Spiked Amount						
			Recovery	=	102.54%	

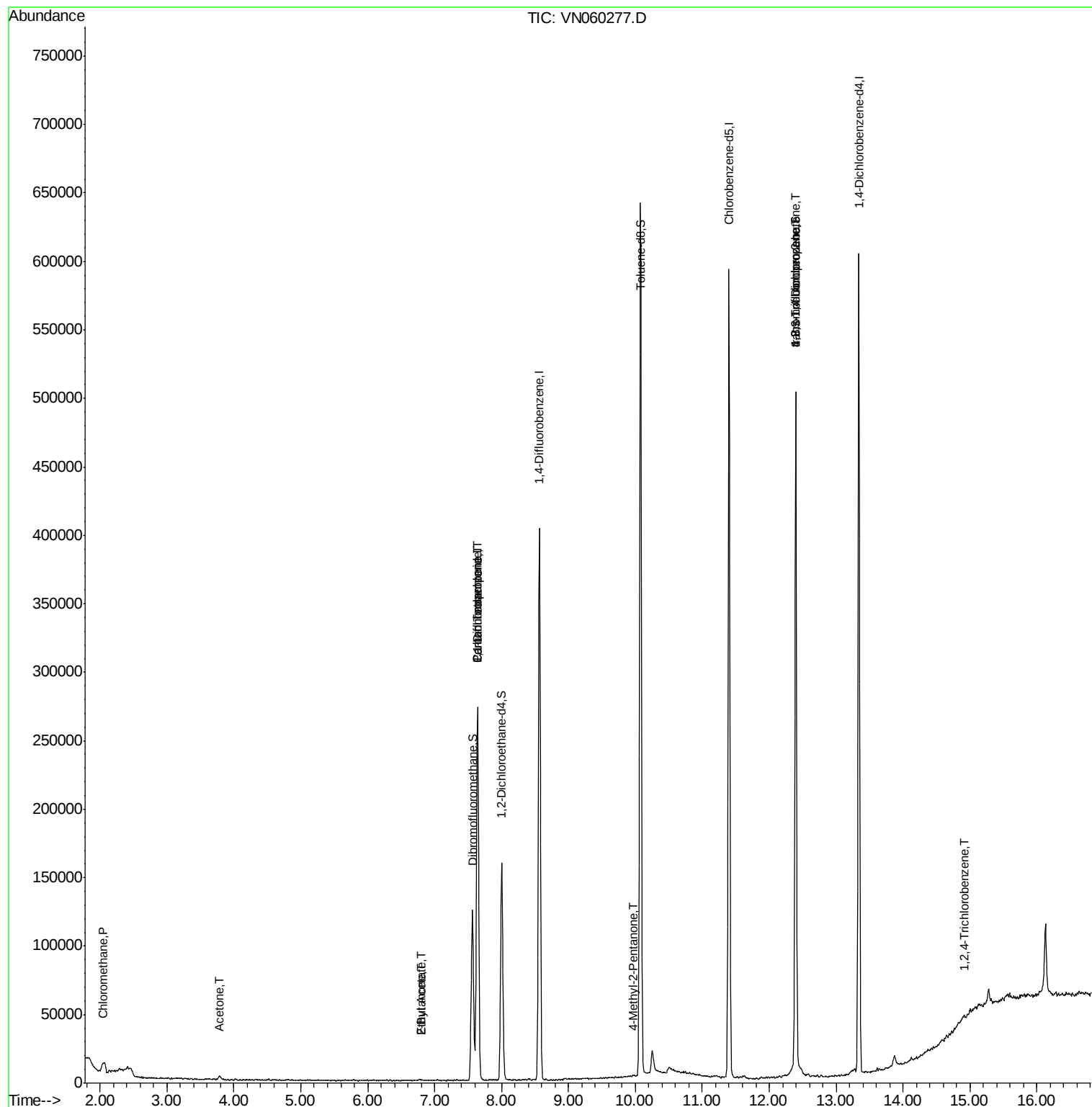
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1206	0.339	ug/l #	74
16) Acetone	3.78	43	4978	5.391	ug/l	96
17) Carbon Disulfide	4.02	76	306	Below Cal	#	75
21) trans-1,2-Dichloroethene	5.00	96	295	Below Cal	#	1
25) 2-Butanone	6.81	43	903	0.605	ug/l #	49
31) Cyclohexane	7.64	56	4842	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	16988	4.941	ug/l #	50
37) Ethyl Acetate	6.81	43	903	0.277	ug/l #	68
38) Carbon Tetrachloride	7.64	117	20895	6.241	ug/l #	16
51) 4-Methyl-2-Pentanone	9.97	43	737	0.228	ug/l	94
76) 1,2,3-Trichloropropane	12.40	75	85346	24.857	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	85346	68.616	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	629	Below Cal	#	58
88) 1,4-Dichlorobenzene	13.36	146	592	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	825	0.349	ug/l #	74
94) Hexachlorobutadiene	15.00	225	98	Below Cal	#	40
95) Naphthalene	15.13	128	2097	Below Cal	#	77

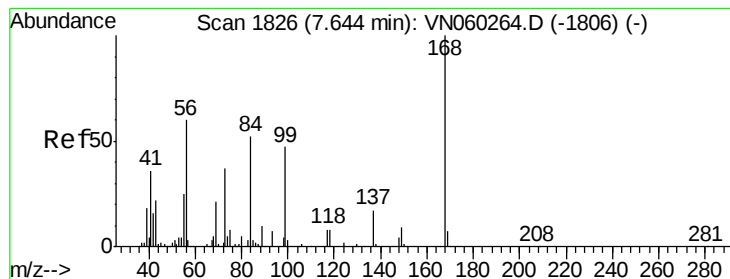
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060277.D

Acq: 28 Feb 2020 12:25

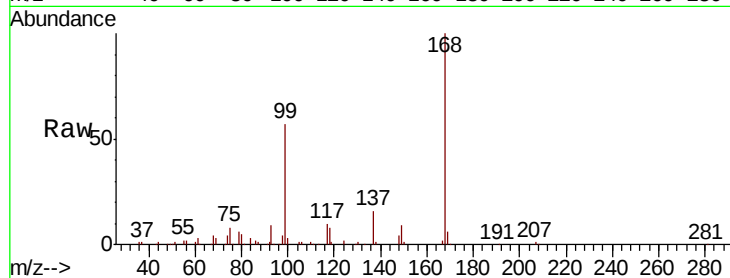
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 222866

Ion Ratio Lower Upper

168 100

99 56.6 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

100000

80000

60000

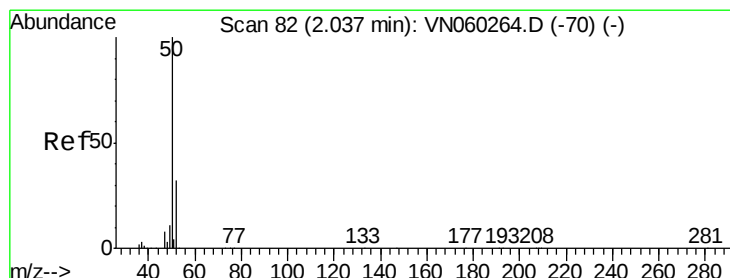
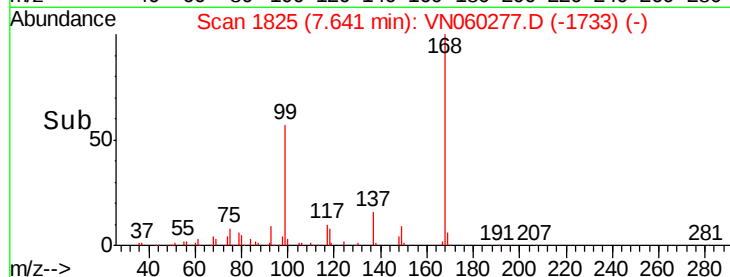
40000

20000

0

7.60 7.70

Time-->



#3

Chloromethane

Concen: 0.339 ug/l

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN060277.D

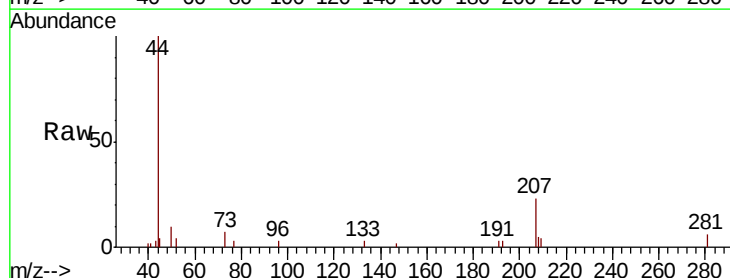
Acq: 28 Feb 2020 12:25

Tgt Ion: 50 Resp: 1206

Ion Ratio Lower Upper

50 100

52 46.5 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

800

600

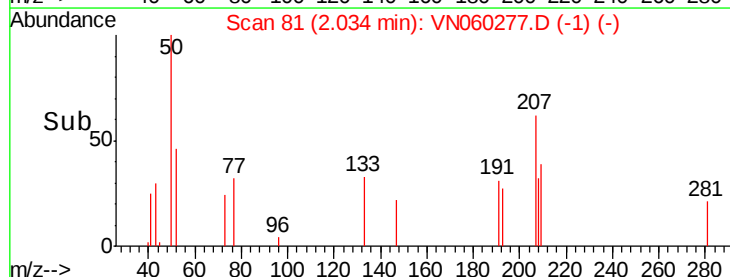
400

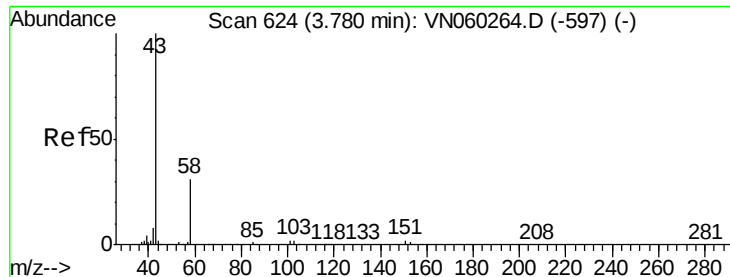
200

0

2.00 2.05

Time-->





#16

Acetone

Concen: 5.391 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.00 min

Lab File: VN060277.D

Acq: 28 Feb 2020 12:25

Instrument :

MSVOA_N

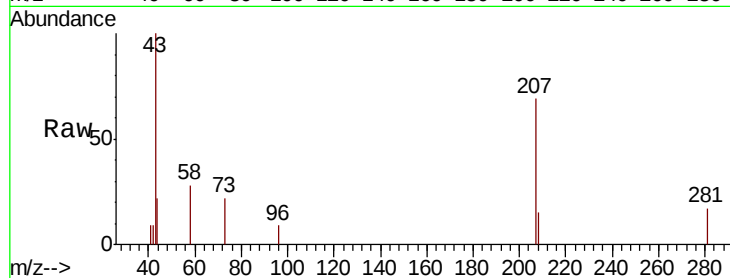
ClientSampleId :

Tot Ion: 43 Resp: 4978

Ion Ratio Lower Upper

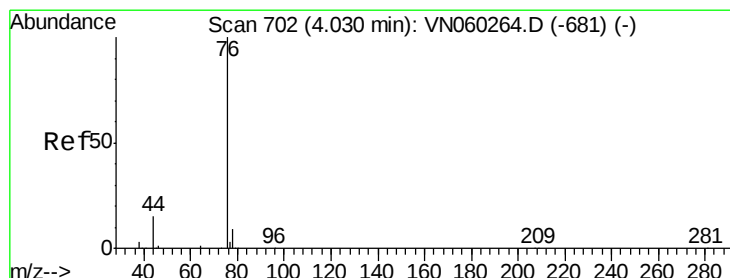
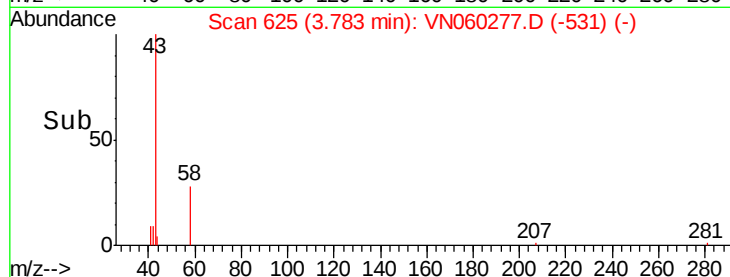
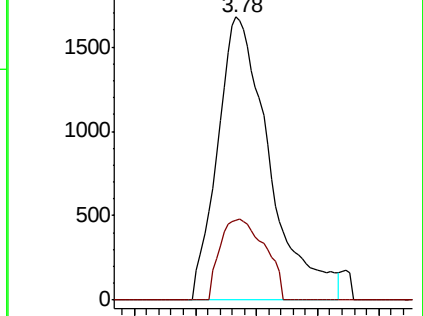
43 100

58 28.3 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-597) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-597) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.02 min Scan# 699

Delta R.T. -0.01 min

Lab File: VN060277.D

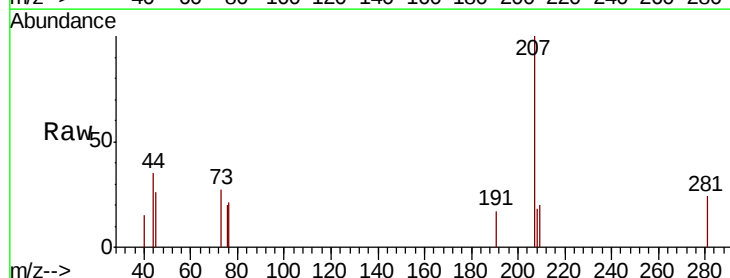
Acq: 28 Feb 2020 12:25

Tgt Ion: 76 Resp: 306

Ion Ratio Lower Upper

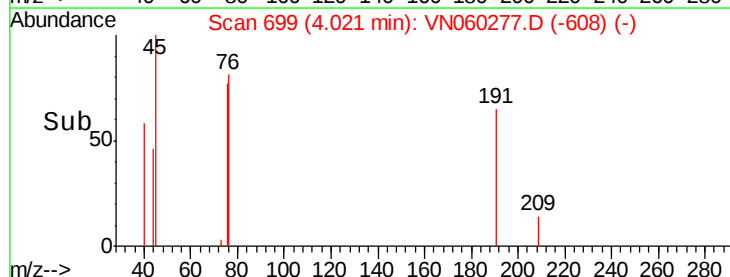
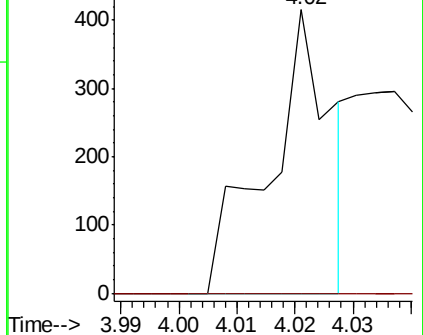
76 100

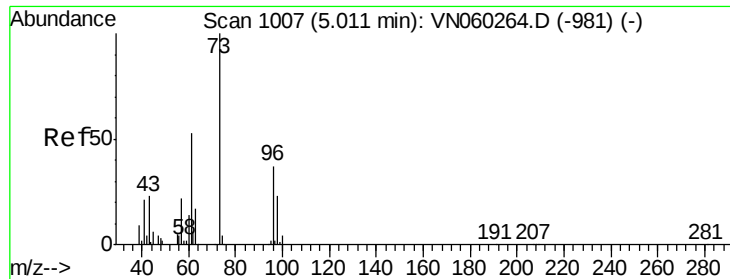
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN060264.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060264.D (-681) (-)





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 5.00 min Scan# 1005

Delta R.T. -0.01 min

Lab File: VN060277.D

Acq: 28 Feb 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

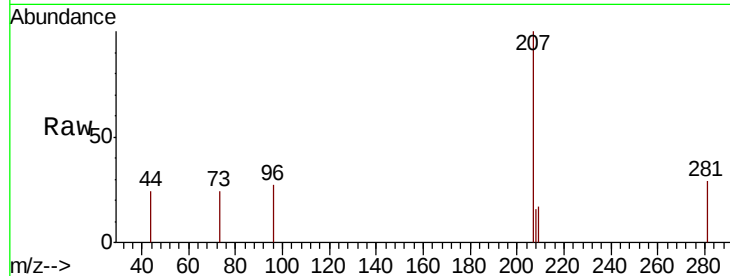
Tot Ion: 96 Resp: 295

Ion Ratio Lower Upper

96 100

61 0.0 113.8 170.8#

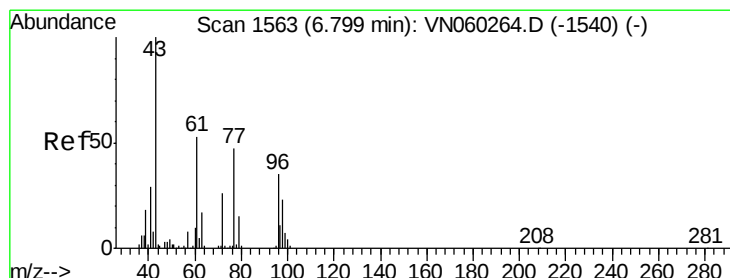
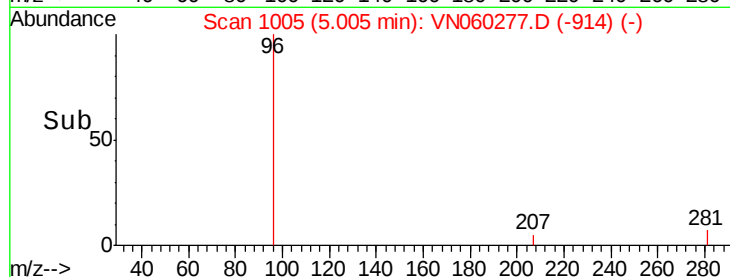
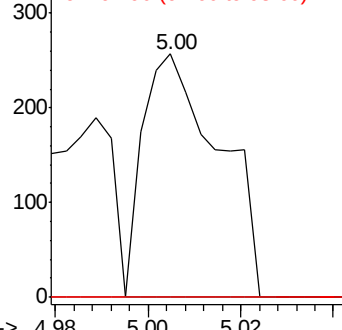
98 0.0 48.8 73.2#



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#25

2-Butanone

Concen: 0.605 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN060277.D

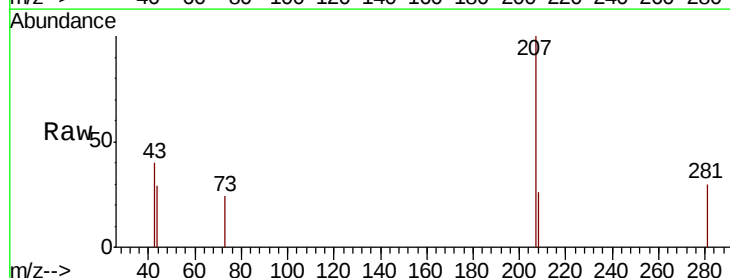
Acq: 28 Feb 2020 12:25

Tgt Ion: 43 Resp: 903

Ion Ratio Lower Upper

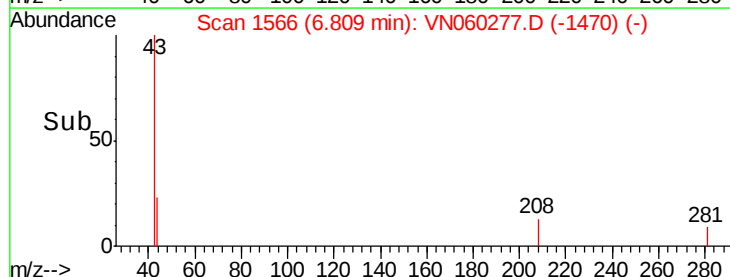
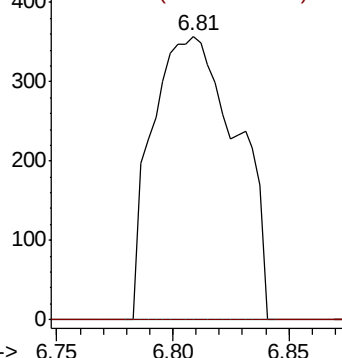
43 100

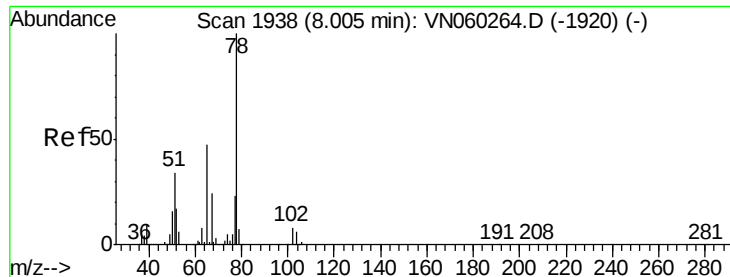
72 0.0 20.9 31.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

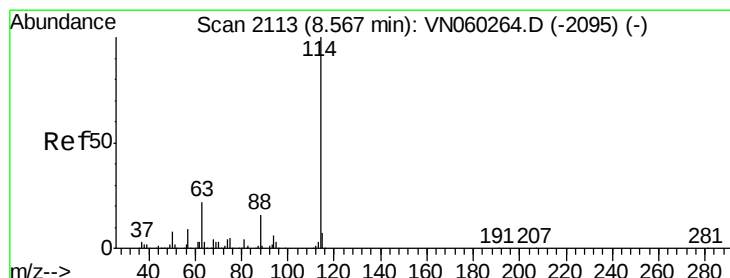
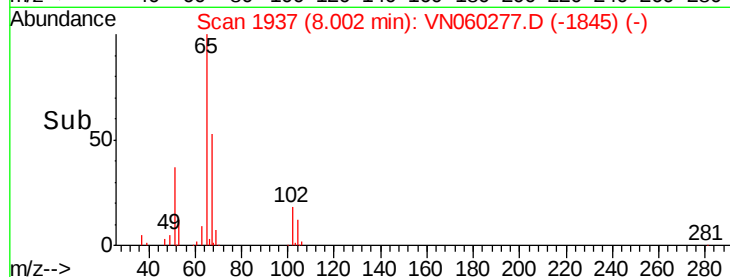
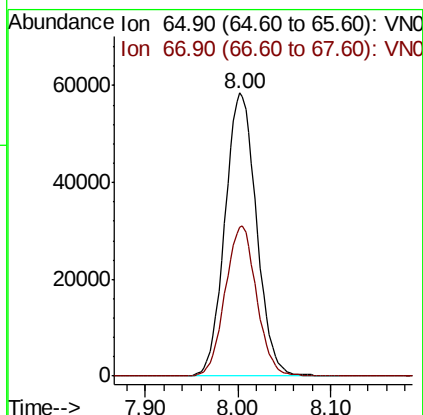
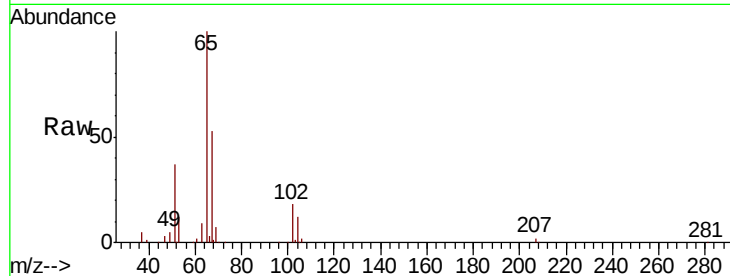




#33
 1,2-Dichloroethane-d4
 Concen: 48.282 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060277.D
 Acq: 28 Feb 2020 12:25

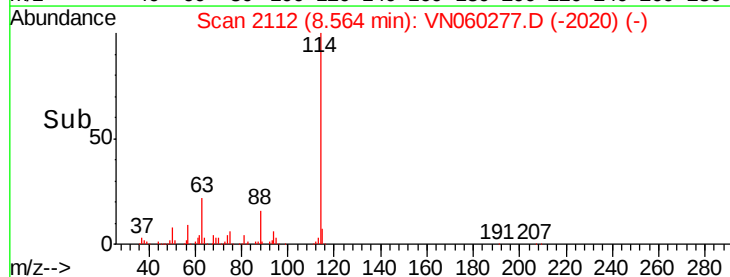
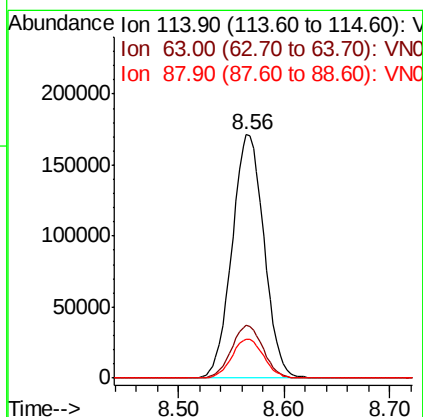
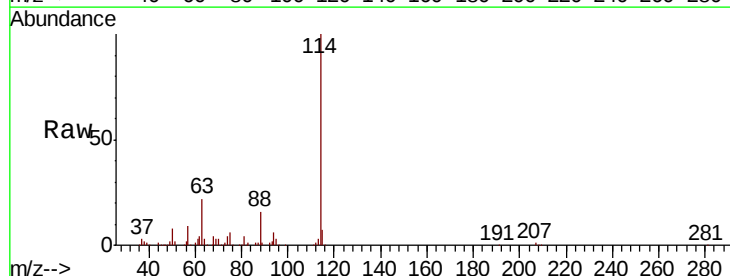
Instrument :
 MSVOA_N
 ClientSampleId :

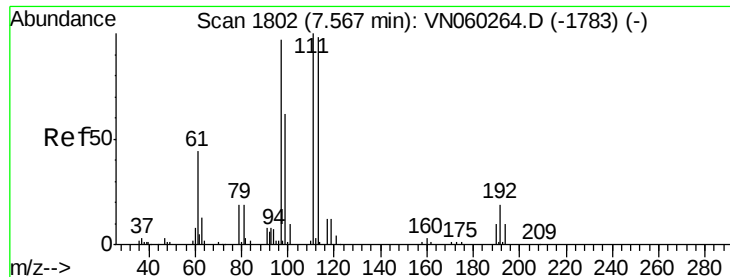
Tot Ion: 65 Resp: 138058
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060277.D
 Acq: 28 Feb 2020 12:25

Tgt Ion: 114 Resp: 360790
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.2
 88 16.0 0.0 31.6

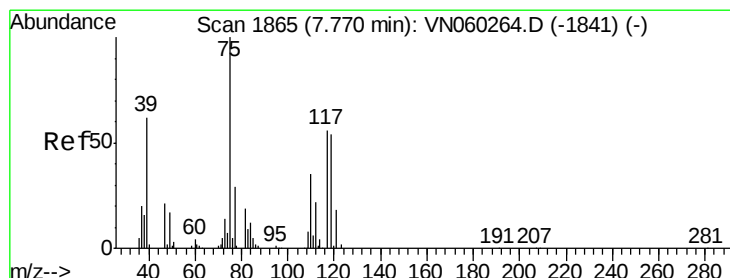
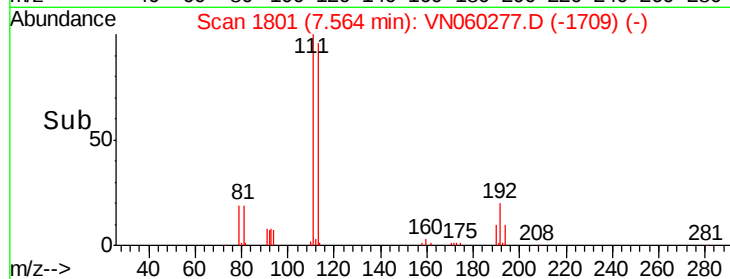
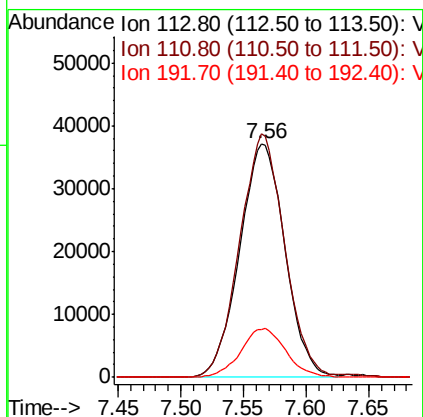
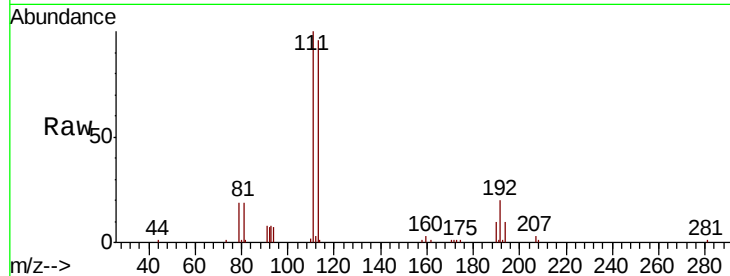




#35
 Dibromofluoromethane
 Concen: 55.635 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060277.D
 Acq: 28 Feb 2020 12:25

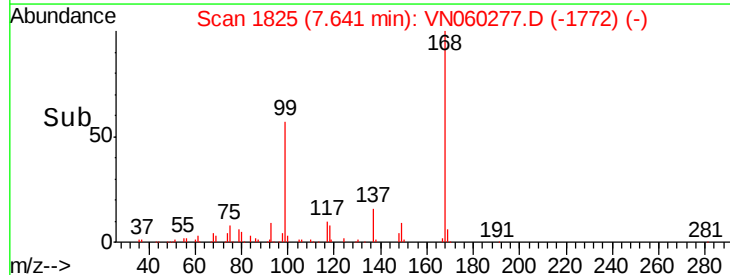
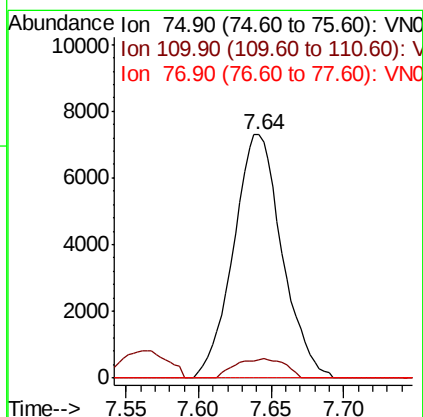
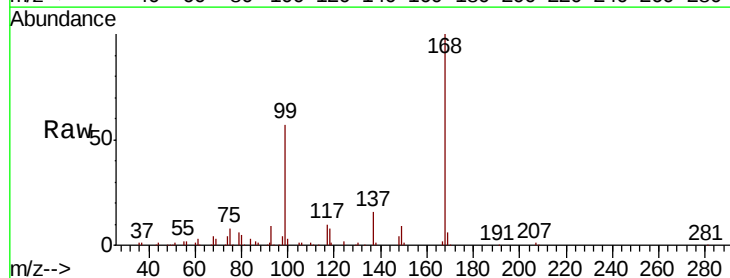
Instrument :
 MSVOA_N
 ClientSampled :

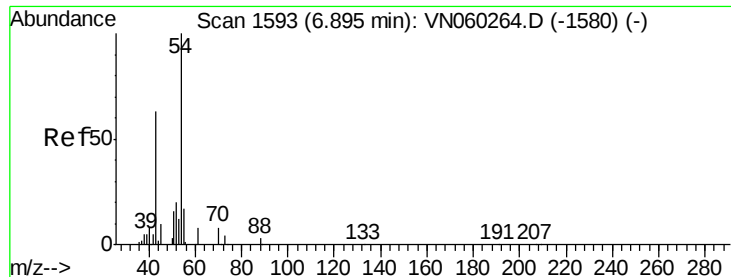
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.4	123.6
192	20.7	16.2	24.2



#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060277.D
 Acq: 28 Feb 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.1	17.3	52.0#
77	0.0	24.2	36.2#

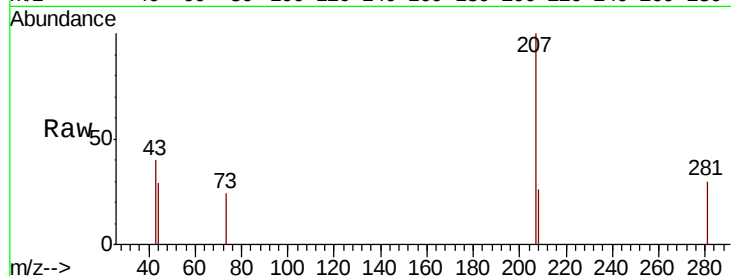




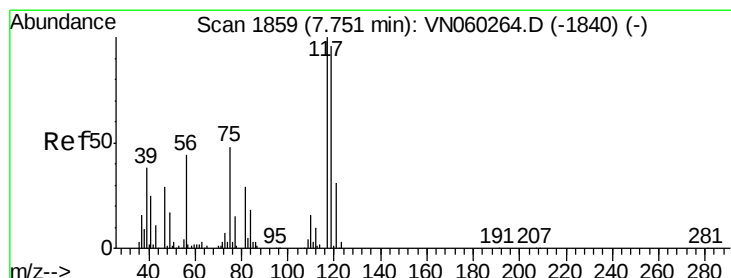
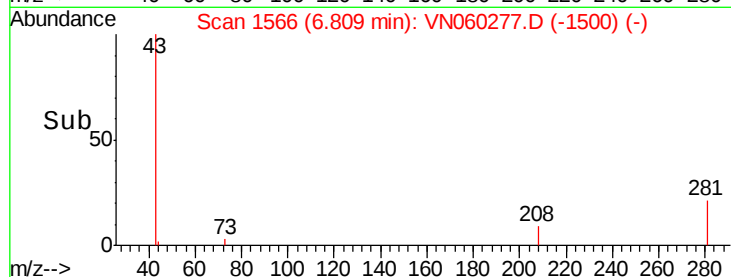
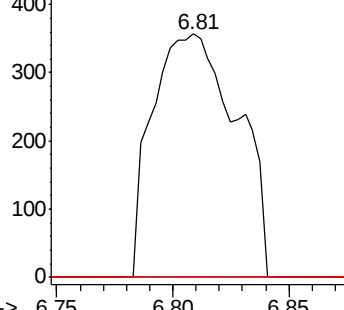
#37
Ethyl Acetate
Concen: 0.277 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.09 min
Lab File: VN060277.D
Acq: 28 Feb 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
61 0.0 11.1 16.7#
70 0.0 8.4 12.6#

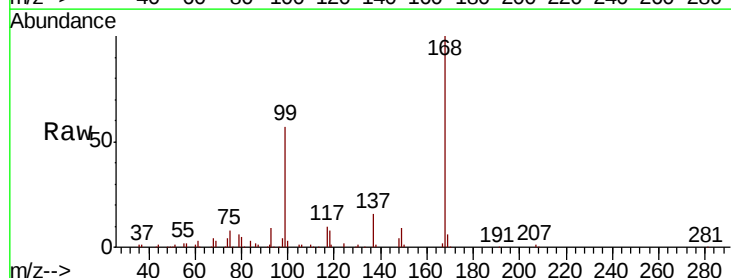


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

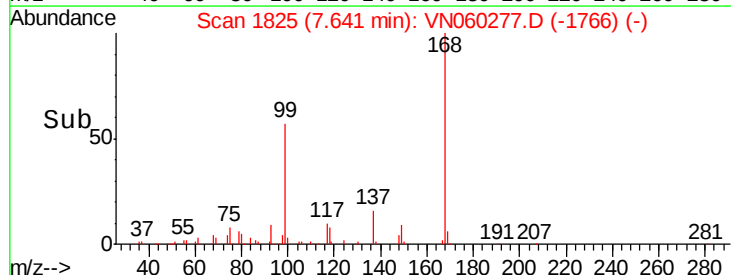
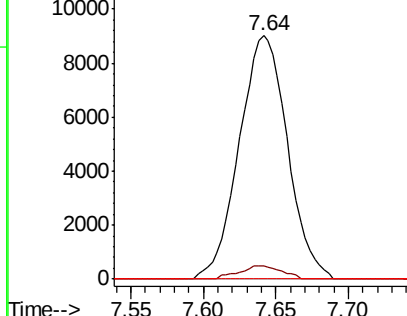


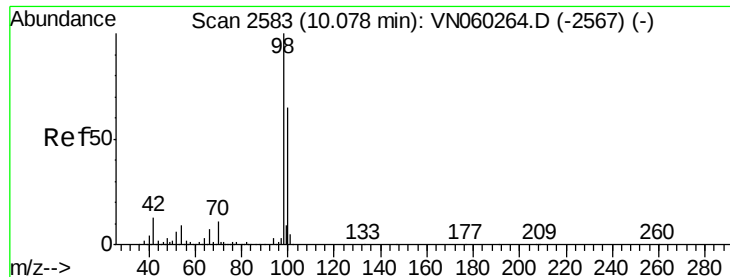
#38
Carbon Tetrachloride
Concen: 6.241 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060277.D
Acq: 28 Feb 2020 12:25

Tgt Ion: 117 Resp: 20895
Ion Ratio Lower Upper
117 100
119 5.4 76.7 115.1#
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.941 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060277.D

Acq: 28 Feb 2020 12:25

Instrument :

MSVOA_N

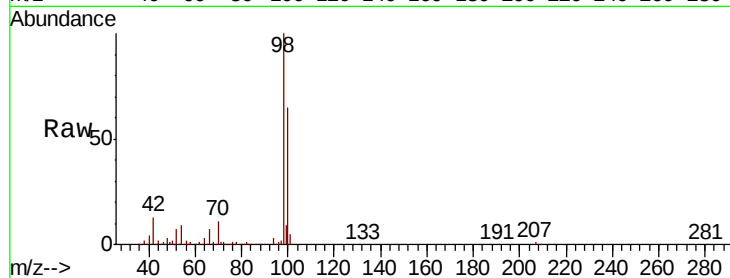
ClientSampled :

Tot Ion: 98 Resp: 440234

Ion Ratio Lower Upper

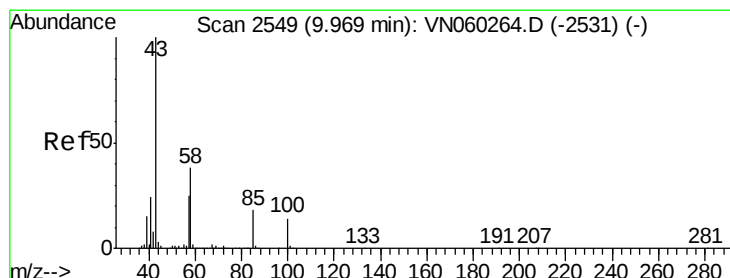
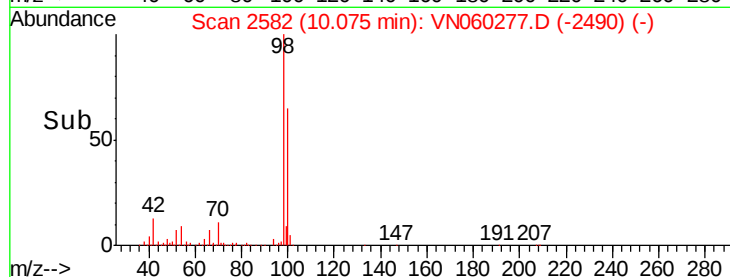
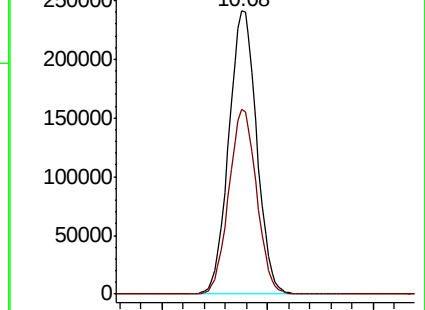
98 100

100 65.0 52.2 78.2



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

Ion 100.00 (99.70 to 100.70): VN060264.D (-2567) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.228 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060277.D

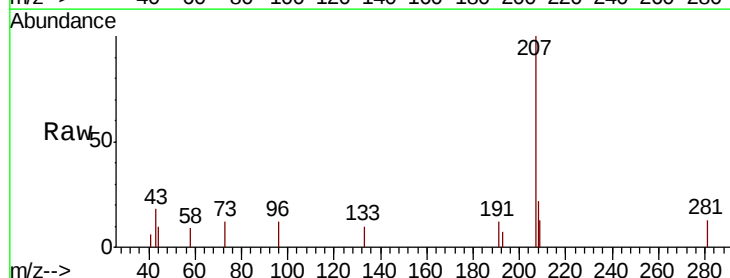
Acq: 28 Feb 2020 12:25

Tgt Ion: 43 Resp: 737

Ion Ratio Lower Upper

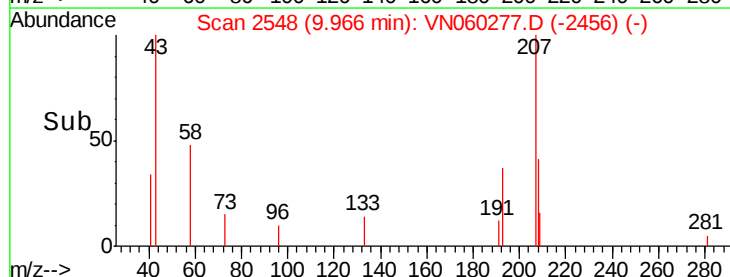
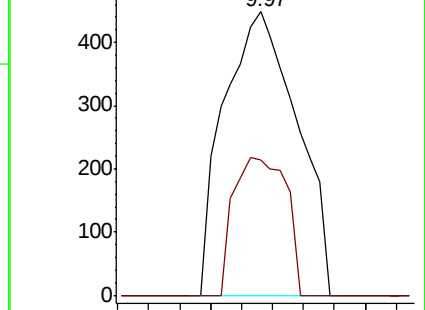
43 100

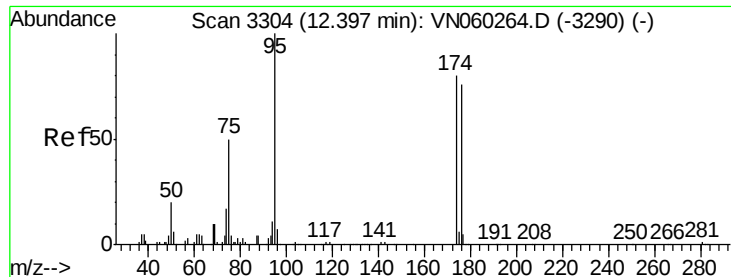
58 34.9 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VN060264.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN060264.D (-2531) (-)





#62

4-Bromofluorobenzene

Concen: 51.273 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060277.D

Acq: 28 Feb 2020 12:25

Instrument :

MSVOA_N

ClientSampleId :

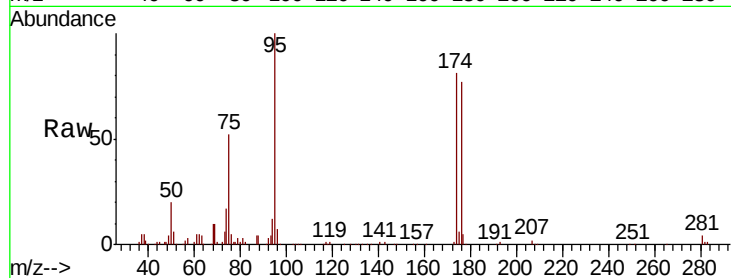
Tot Ion: 95 Resp: 164736

Ion Ratio Lower Upper

95 100

174 80.2 0.0 159.2

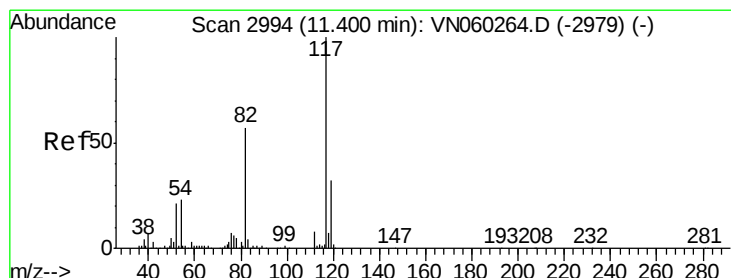
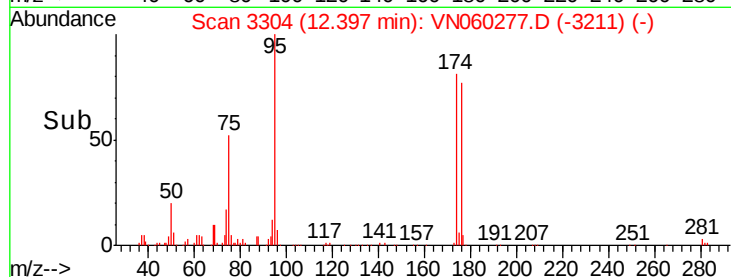
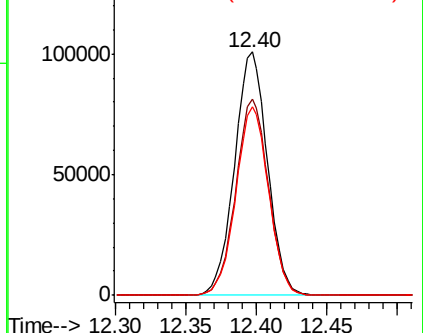
176 77.3 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060277.D (-3211) (-)

Ion 173.80 (173.50 to 174.50): VN060277.D (-3211) (-)

Ion 175.80 (175.50 to 176.50): VN060277.D (-3211) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN060277.D

Acq: 28 Feb 2020 12:25

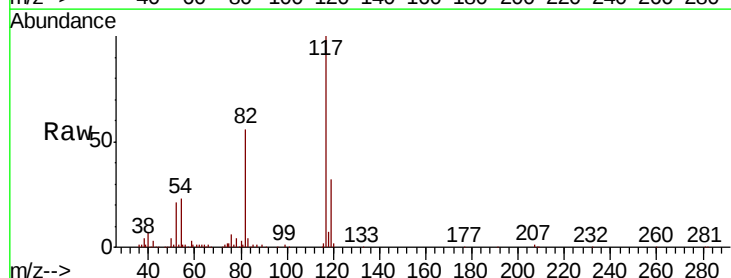
Tgt Ion: 117 Resp: 335354

Ion Ratio Lower Upper

117 100

82 56.3 45.8 68.6

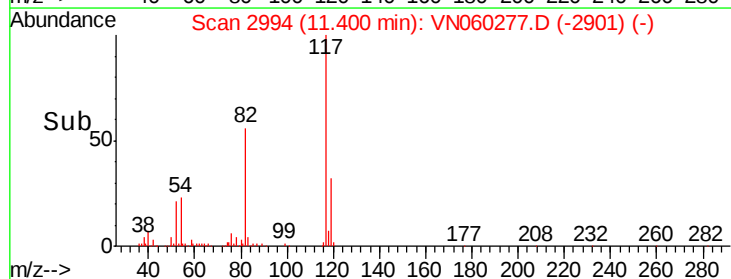
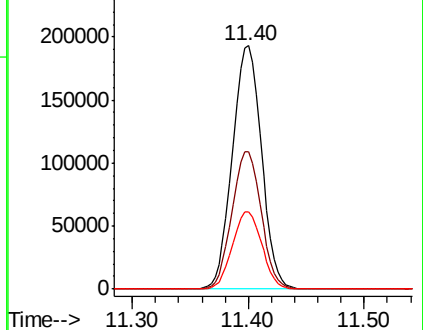
119 31.8 25.8 38.8

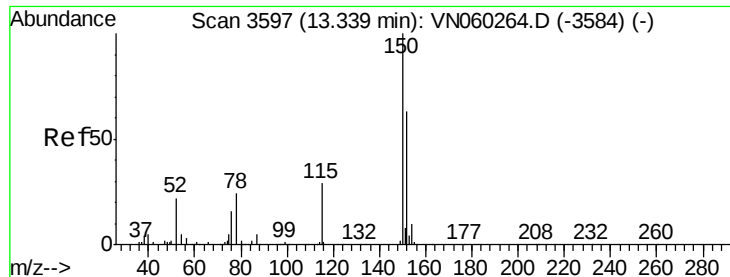


Abundance Ion 116.90 (116.60 to 117.60): VN060277.D (-2901) (-)

Ion 82.00 (81.70 to 82.70): VN060277.D (-2901) (-)

Ion 118.90 (118.60 to 119.60): VN060277.D (-2901) (-)



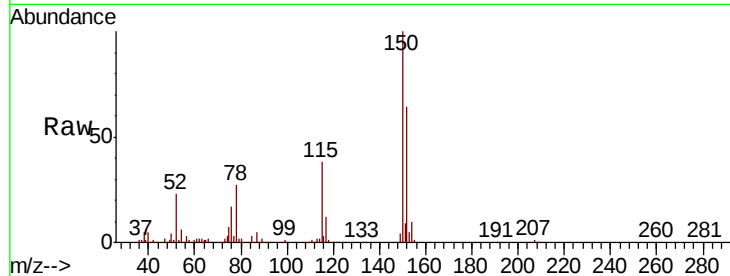


#72

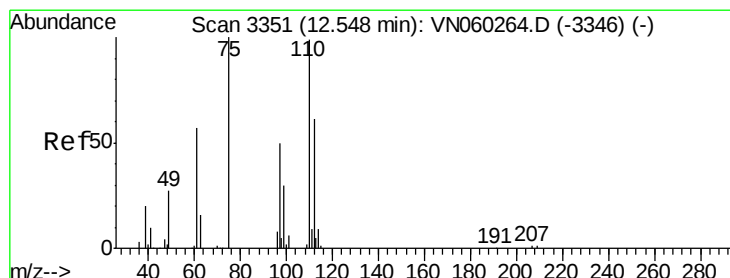
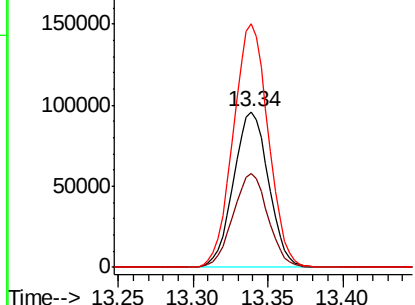
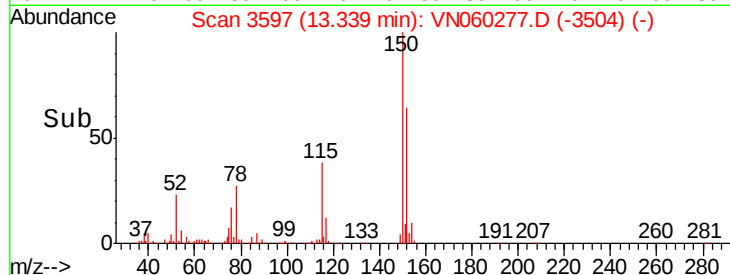
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060277.D
Acq: 28 Feb 2020 12:25

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.0	90.0
150	156.7	0.0	349.6



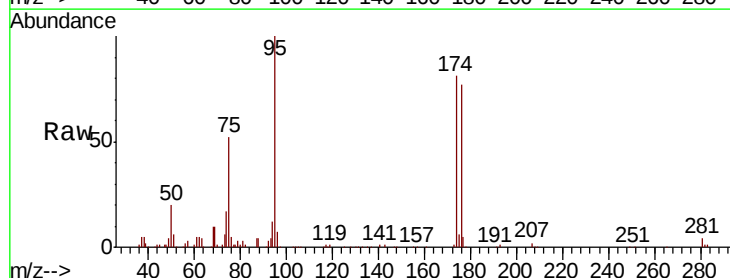
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



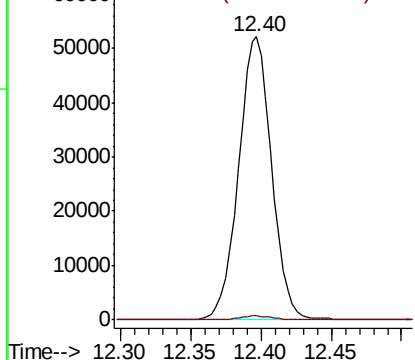
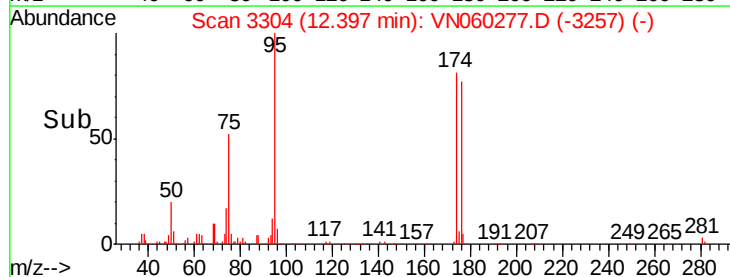
#76

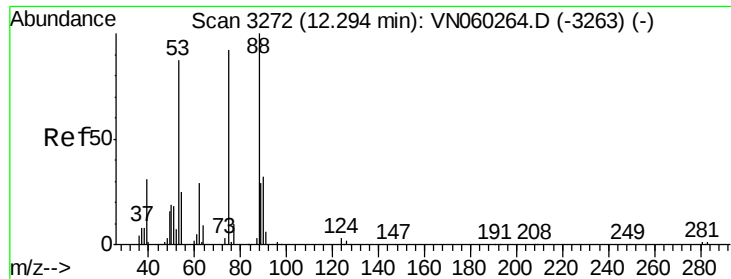
1,2,3-Trichloropropane
Concen: 24.857 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060277.D
Acq: 28 Feb 2020 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

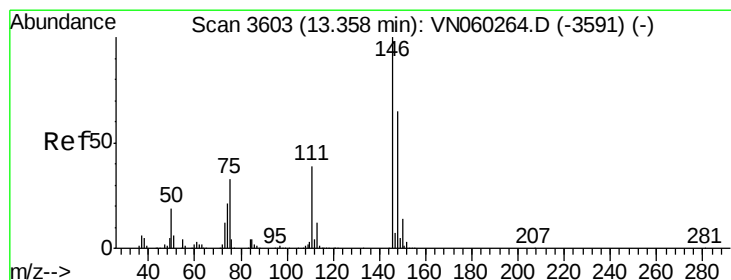
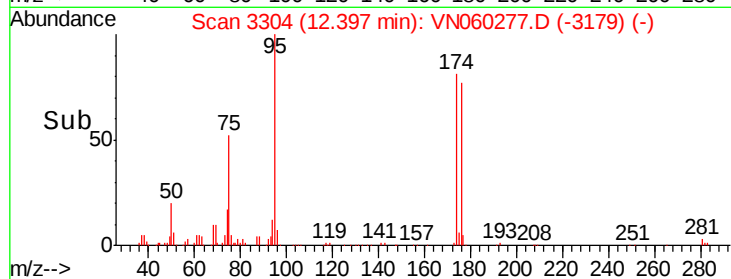
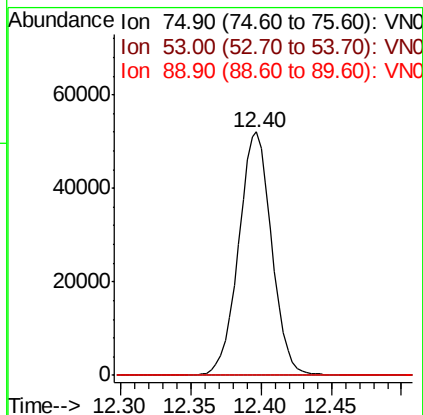
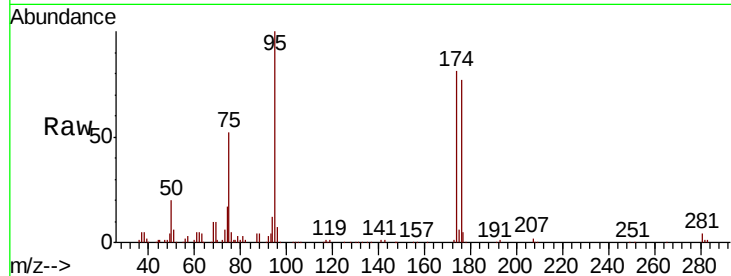




#81
trans-1,4-Dichloro-2-butene
Concen: 68.616 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060277.D
Acq: 28 Feb 2020 12:25

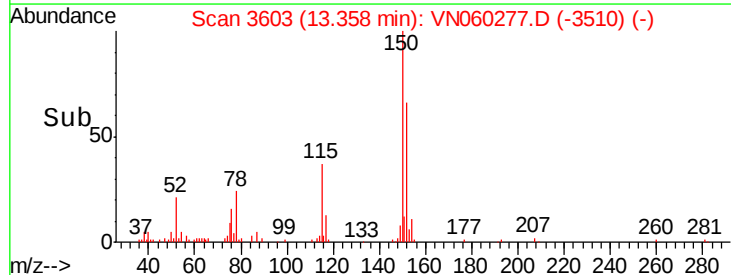
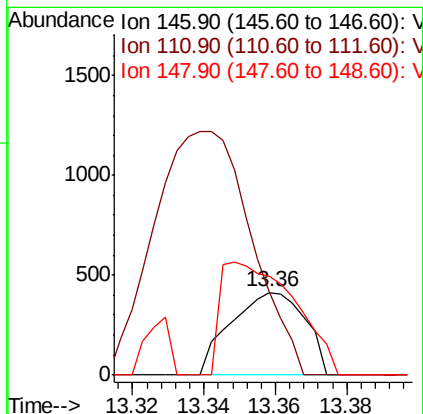
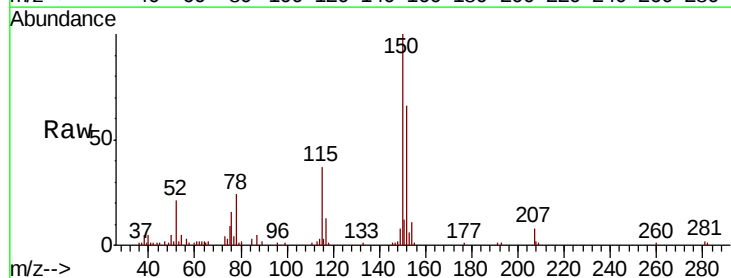
Instrument :
MSVOA_N
ClientSampleId :

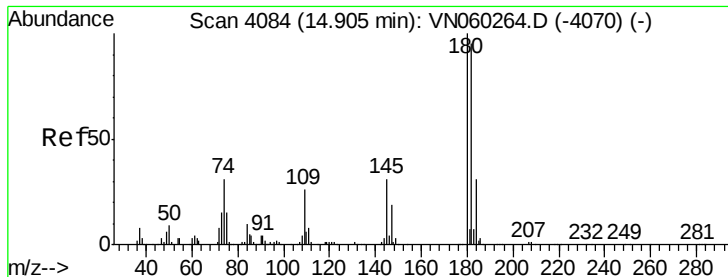
Tot Ion: 75 Resp: 85346
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 57.1 85.7#



#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3603
Delta R.T. 0.00 min
Lab File: VN060277.D
Acq: 28 Feb 2020 12:25

Tgt Ion: 146 Resp: 592
Ion Ratio Lower Upper
146 100
111 389.2 19.8 59.4#
148 136.8 32.3 96.9#

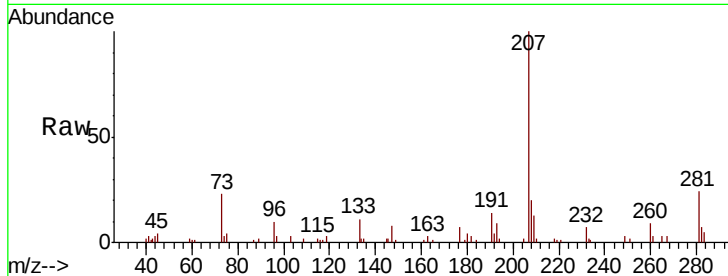




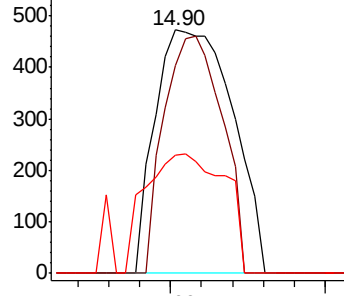
#93
 1,2,4-Trichlorobenzene
 Concen: 0.349 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN060277.D
 Acq: 28 Feb 2020 12:25

Instrument :
 MSVOA_N
 ClientSampleId :

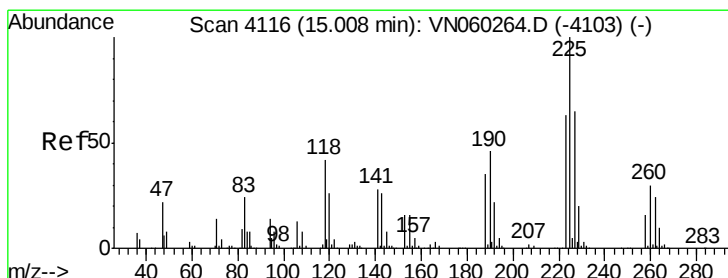
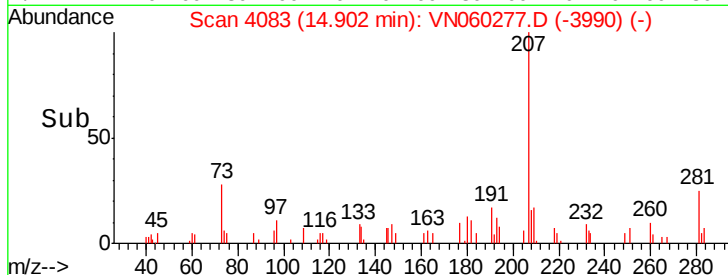
Tot Ion	Ratio	Lower	Upper
180	100		
182	73.5	47.8	143.3
145	50.4	15.4	46.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

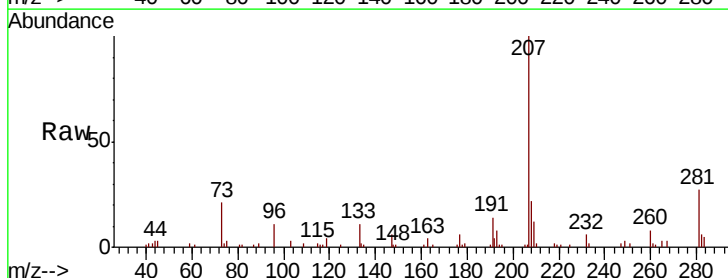


Time-->

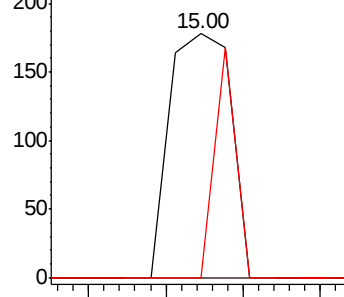


#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN060277.D
 Acq: 28 Feb 2020 12:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	31.3	93.9#
227	32.7	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



Time-->

