

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060465.D
 Acq On : 12 Mar 2020 9:37
 Operator : JC/MD
 Sample : VN0312MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312MBL01

Quant Time: Mar 13 02:01:01 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	190890	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	308464	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	272795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	108602	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	119633	48.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.70%	
35) Dibromofluoromethane	7.56	113	90351	63.10	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	126.20%	
50) Toluene-d8	10.08	98	376467	51.95	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.39	95	126768	46.15	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.30%	

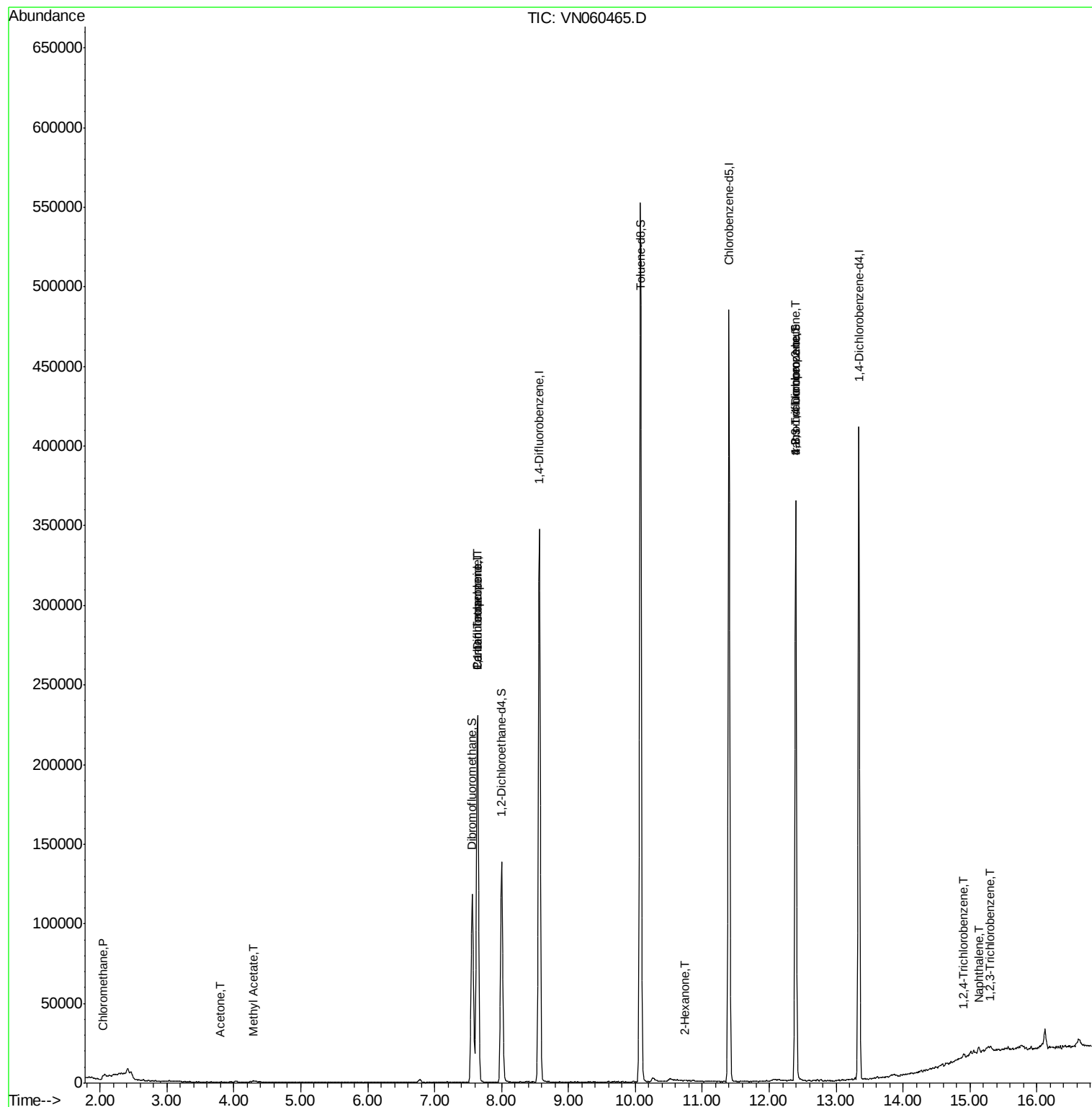
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1089	0.36	ug/l #	76
16) Acetone	3.79	43	234	0.30	ug/l #	44
17) Carbon Disulfide	4.03	76	532	Below Cal	#	75
18) Methyl Acetate	4.30	43	1988	0.75	ug/l #	52
31) Cyclohexane	7.64	56	4034	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	14599	4.97	ug/l #	50
38) Carbon Tetrachloride	7.64	117	18423	6.44	ug/l #	16
59) 2-Hexanone	10.75	43	598	0.29	ug/l #	25
76) 1,2,3-Trichloropropane	12.39	75	65284	27.40	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	65284	75.63	ug/l #	8
87) 1,3-Dichlorobenzene	13.28	146	347	Below Cal	#	39
88) 1,4-Dichlorobenzene	13.36	146	393	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.90	180	890	0.49	ug/l #	75
94) Hexachlorobutadiene	15.01	225	333	Below Cal		91
95) Naphthalene	15.13	128	3116	0.21	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.31	180	1021	0.31	ug/l	94

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

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

Instrument :

MSVOA_N

ClientSampleId :

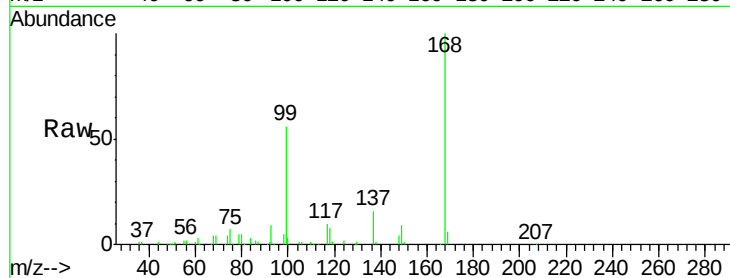
VN0312MBL01

Tgt Ion:168 Resp: 190890

Ion Ratio Lower Upper

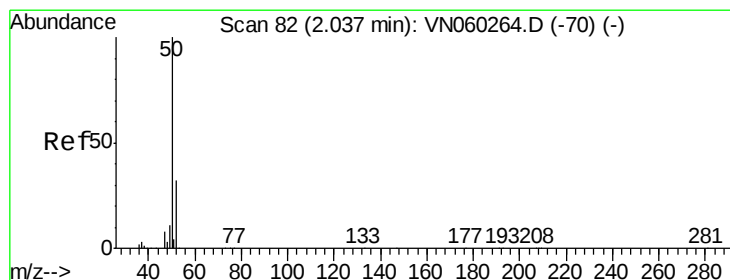
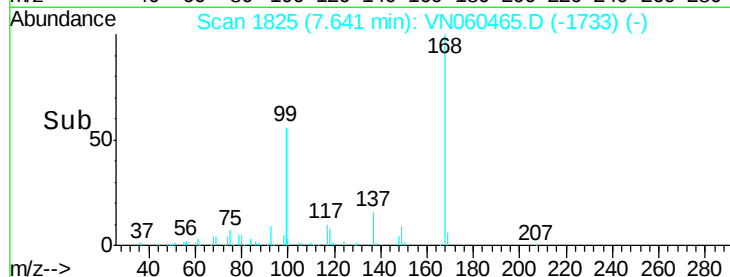
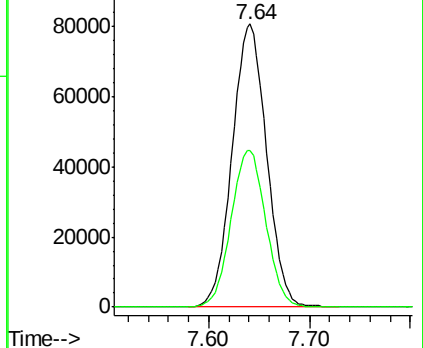
168 100

99 55.5 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#3

Chloromethane

Concen: 0.36 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060465.D

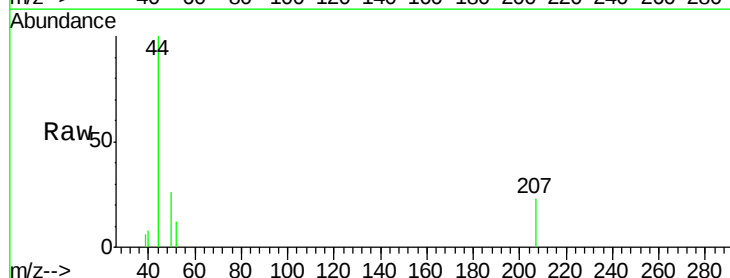
Acq: 12 Mar 2020 9:37

Tgt Ion: 50 Resp: 1089

Ion Ratio Lower Upper

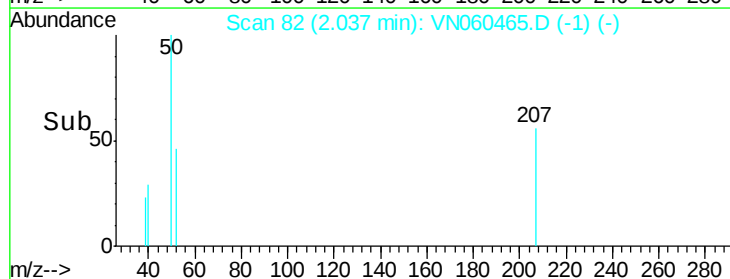
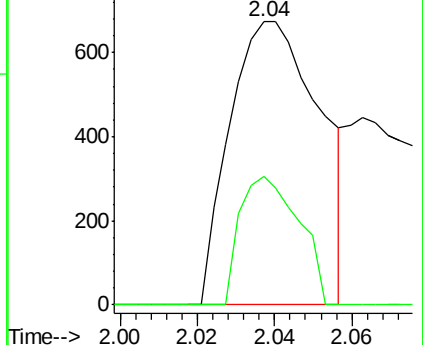
50 100

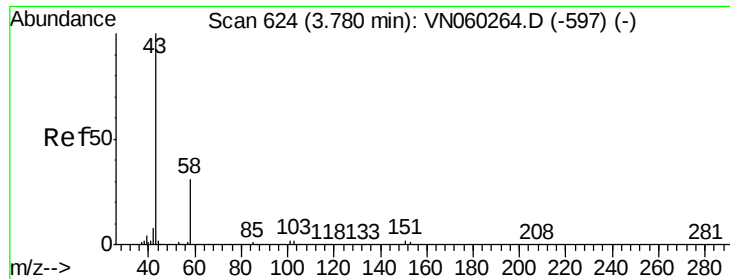
52 45.6 25.6 38.4#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#16

Acetone

Concen: 0.30 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

Instrument :

MSVOA_N

ClientSampleId :

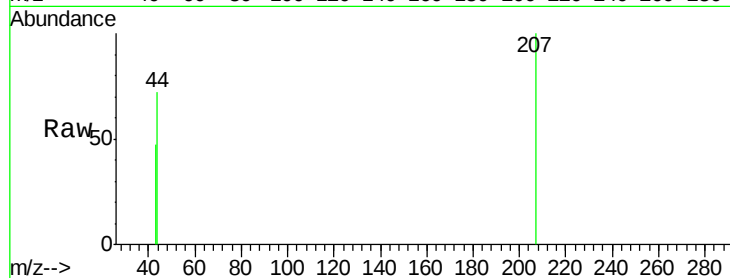
VN0312MBL01

Tgt Ion: 43 Resp: 234

Ion Ratio Lower Upper

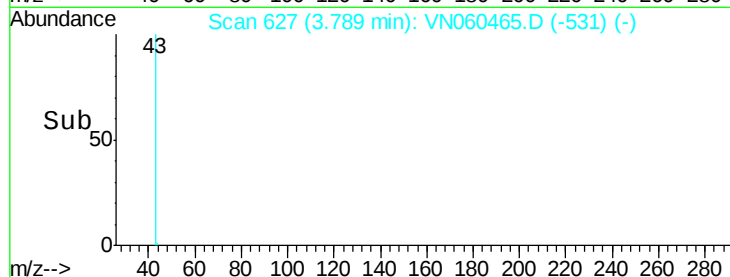
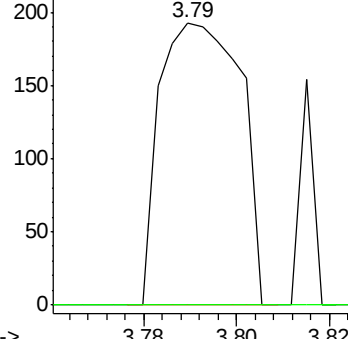
43 100

58 0.0 24.6 36.8#

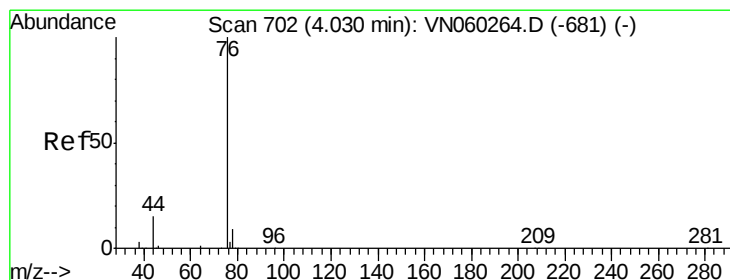


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN060465.D

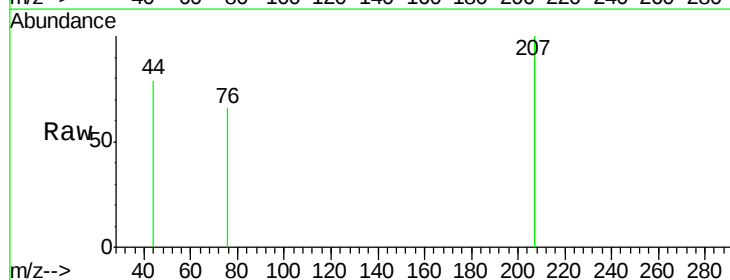
Acq: 12 Mar 2020 9:37

Tgt Ion: 76 Resp: 532

Ion Ratio Lower Upper

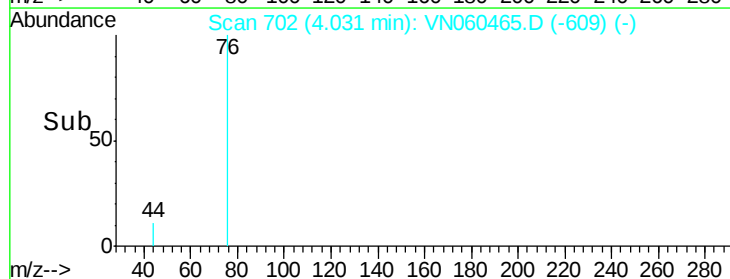
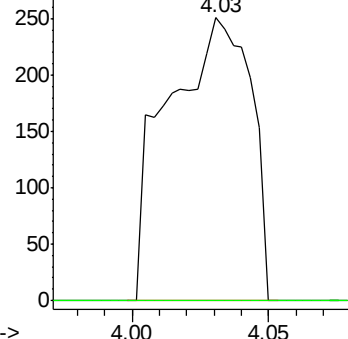
76 100

78 0.0 7.4 11.0#

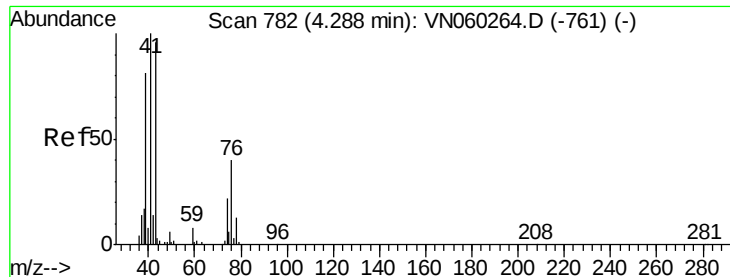


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



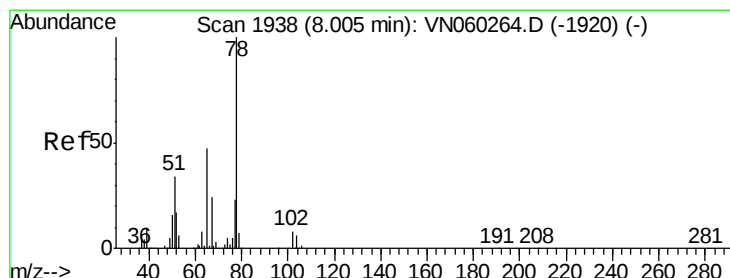
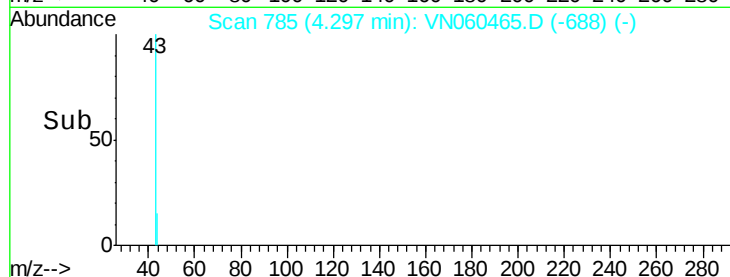
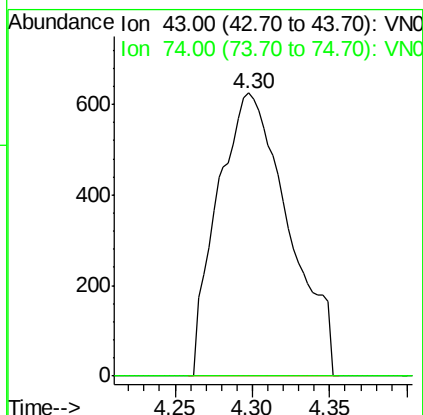
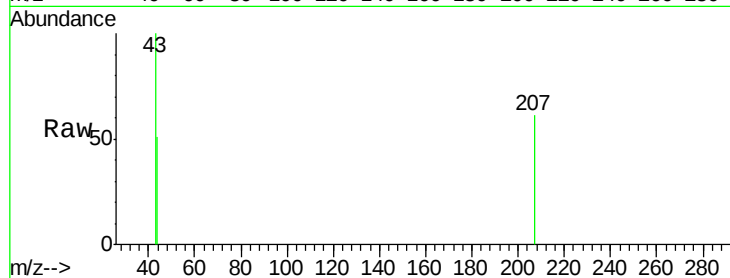
Time-->



#18
Methyl Acetate
Concen: 0.75 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.01 min
Lab File: VN060465.D
Acq: 12 Mar 2020 9:37

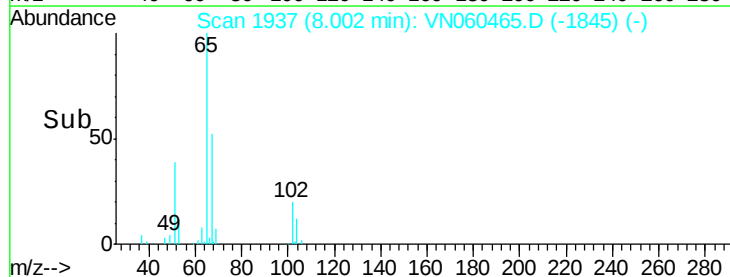
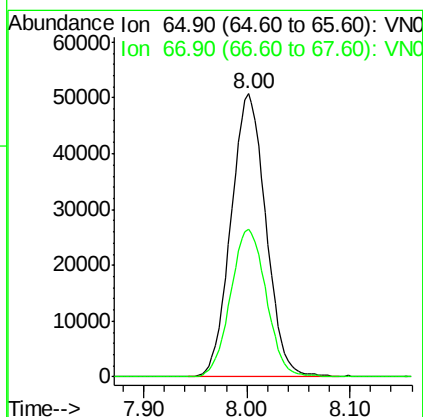
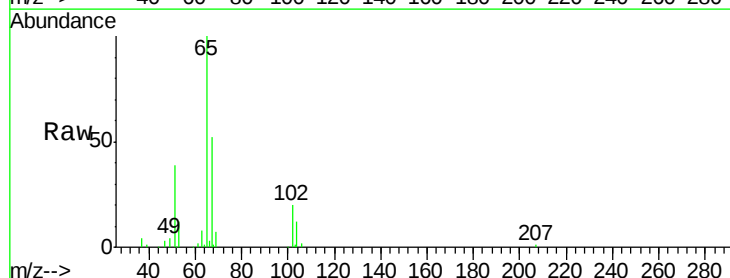
Instrument :
MSVOA_N
ClientSampleId :
VN0312MBL01

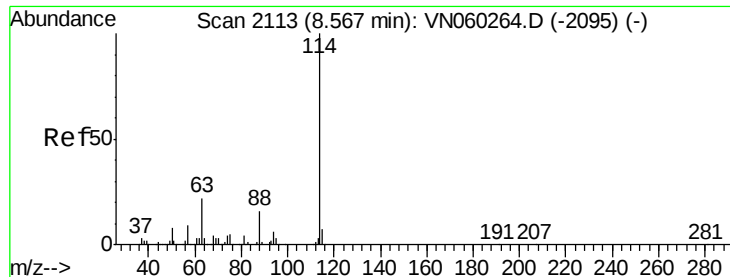
Tgt Ion: 43 Resp: 1988
Ion Ratio Lower Upper
43 100
74 0.0 18.8 28.2#



#33
1,2-Dichloroethane-d4
Concen: 48.85 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. -0.00 min
Lab File: VN060465.D
Acq: 12 Mar 2020 9:37

Tgt Ion: 65 Resp: 119633
Ion Ratio Lower Upper
65 100
67 53.4 0.0 103.8

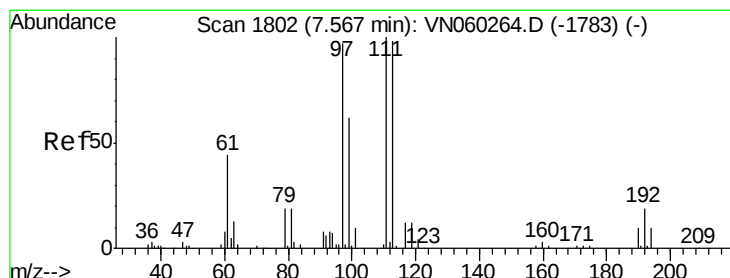
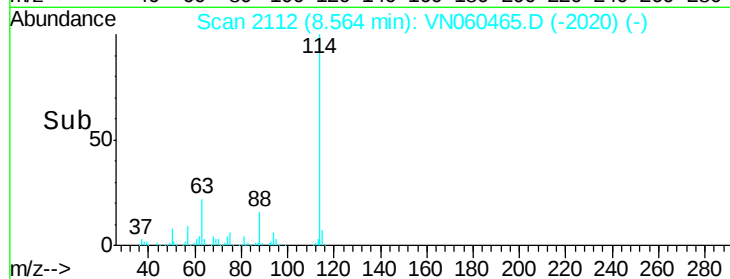
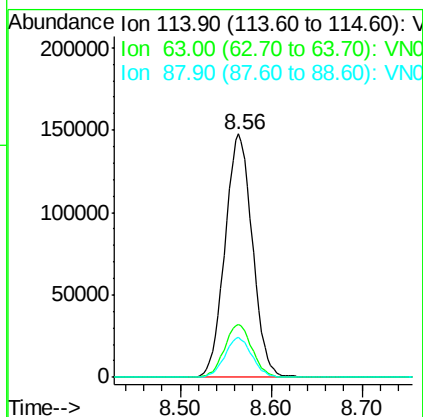
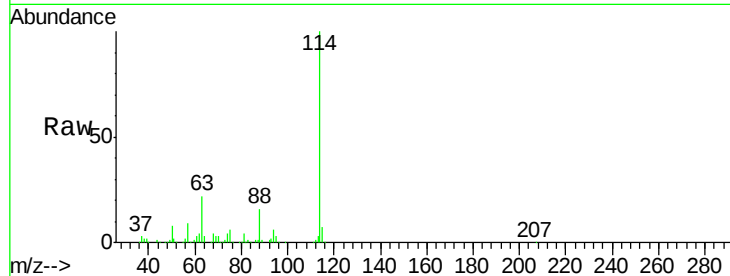




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060465.D
 Acq: 12 Mar 2020 9:37

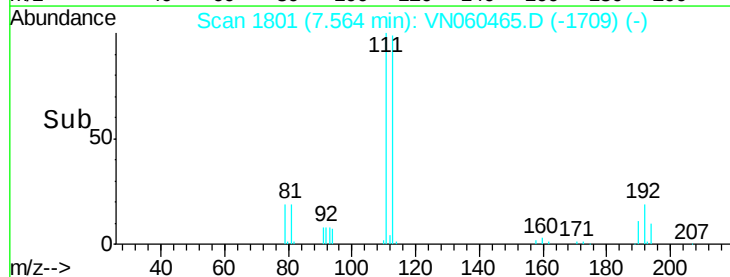
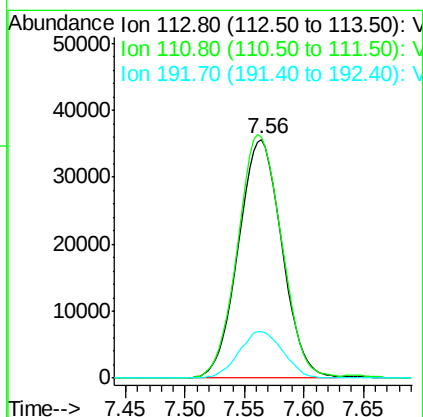
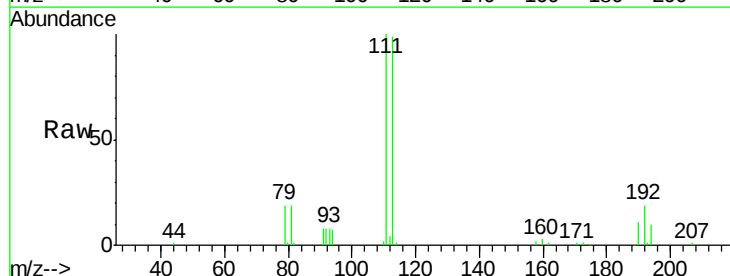
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312MBL01

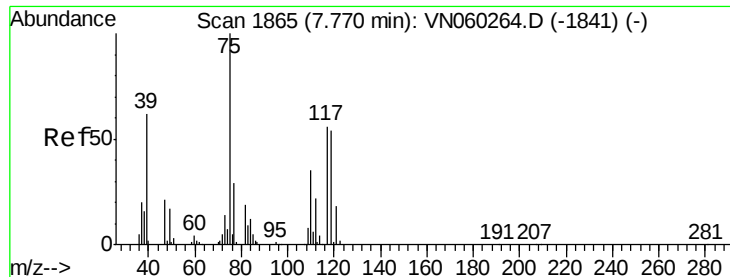
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.2
88	16.2	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 63.10 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060465.D
 Acq: 12 Mar 2020 9:37

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.4	123.6
192	19.8	16.2	24.2





#36

1,1-Dichloropropene

Concen: 4.97 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0312MBL01

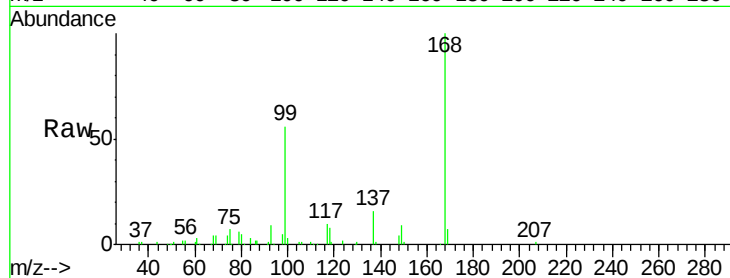
Tgt Ion: 75 Resp: 14599

Ion Ratio Lower Upper

75 100

110 8.5 17.3 52.0#

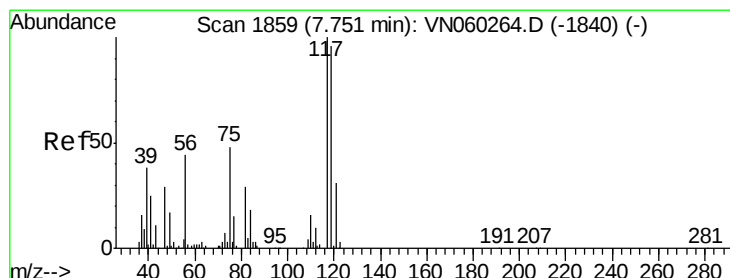
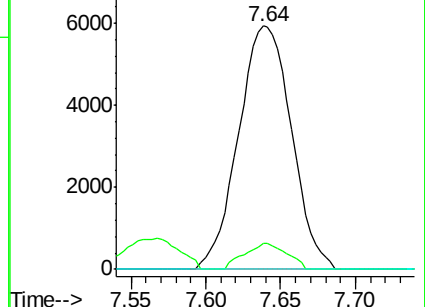
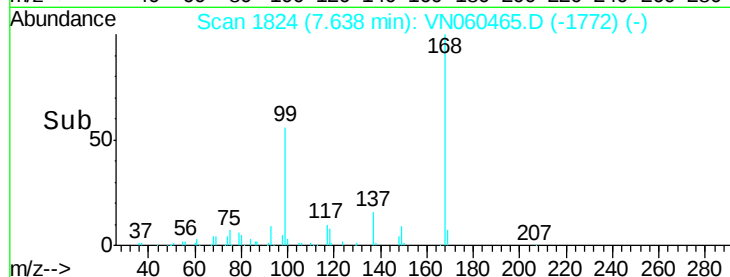
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN060465.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060465.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060465.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.44 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

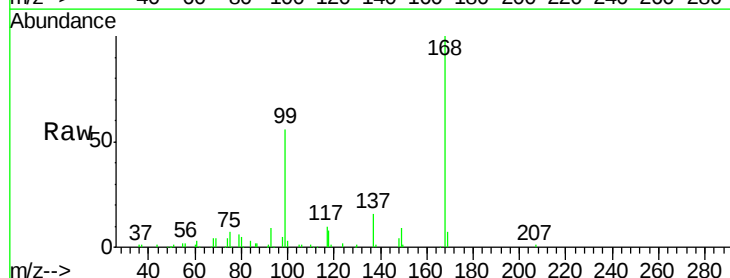
Tgt Ion: 117 Resp: 18423

Ion Ratio Lower Upper

117 100

119 5.3 76.7 115.1#

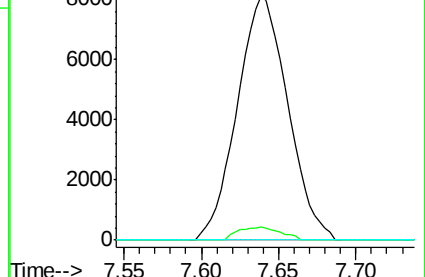
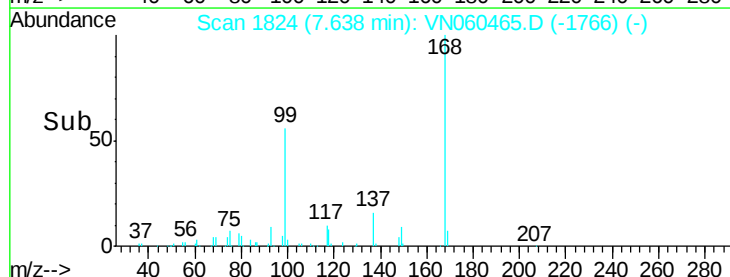
121 0.0 24.5 36.7#

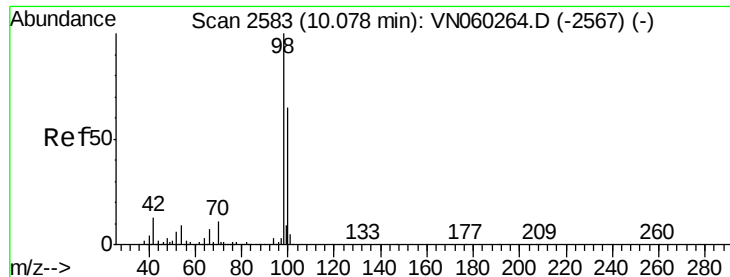


Abundance Ion 116.80 (116.50 to 117.50): VN060465.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060465.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060465.D (-1766) (-)





#50

Toluene-d8

Concen: 51.95 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. -0.00 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

Instrument :

MSVOA_N

ClientSampleId :

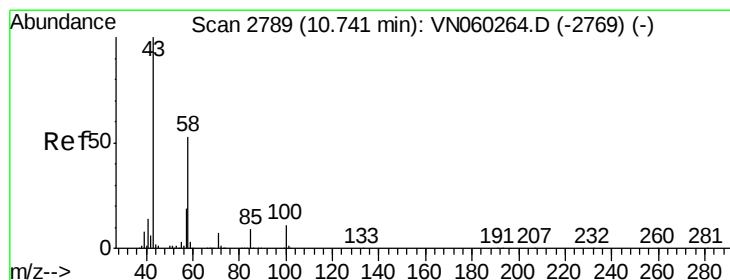
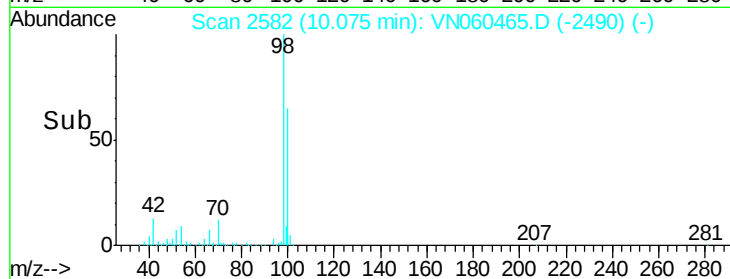
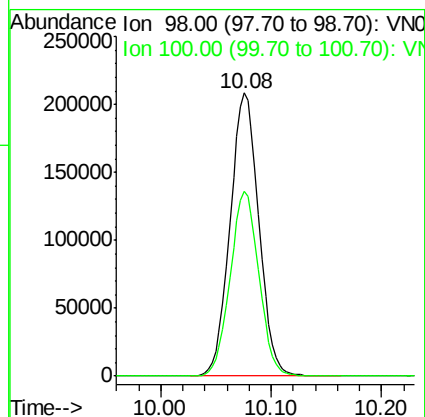
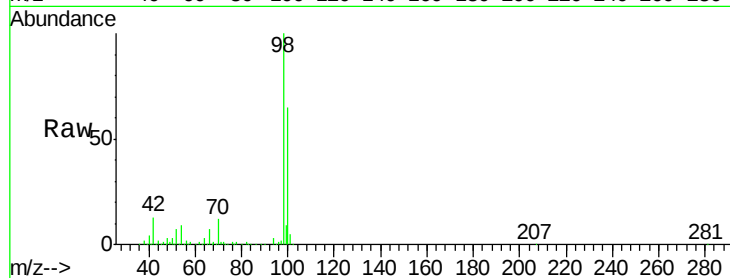
VN0312MBL01

Tgt Ion: 98 Resp: 376467

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#59

2-Hexanone

Concen: 0.29 ug/l

RT: 10.75 min Scan# 2791

Delta R.T. 0.01 min

Lab File: VN060465.D

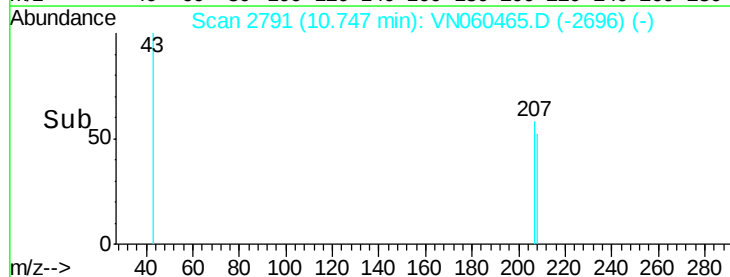
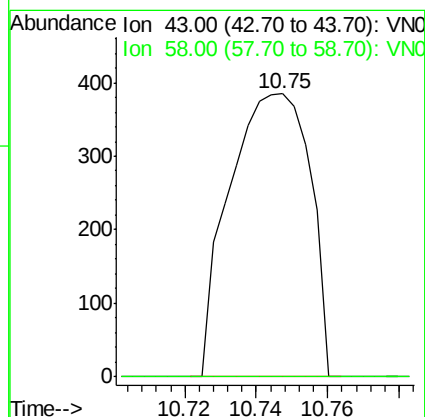
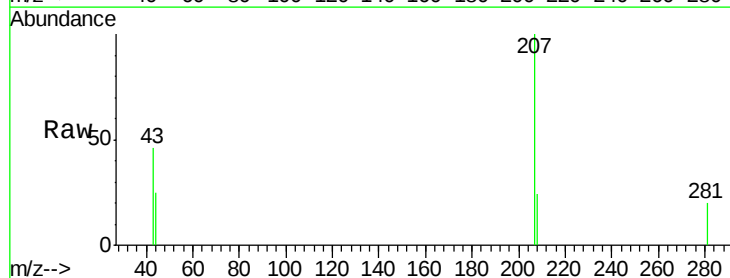
Acq: 12 Mar 2020 9:37

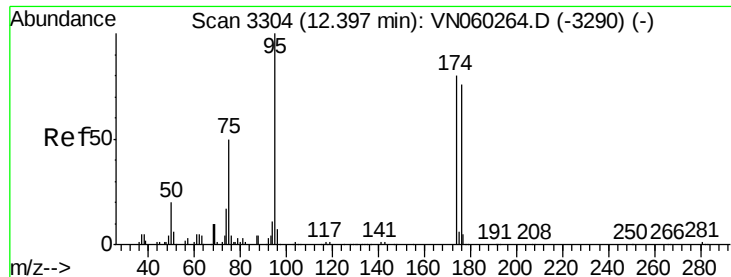
Tgt Ion: 43 Resp: 598

Ion Ratio Lower Upper

43 100

58 0.0 26.5 79.5#





#62

4-Bromofluorobenzene

Concen: 46.15 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.00 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0312MBL01

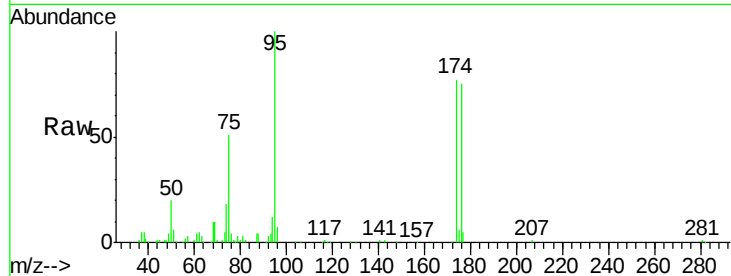
Tgt Ion: 95 Resp: 126768

Ion Ratio Lower Upper

95 100

174 78.1 0.0 159.2

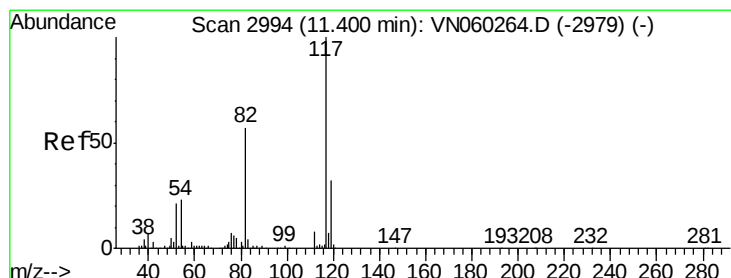
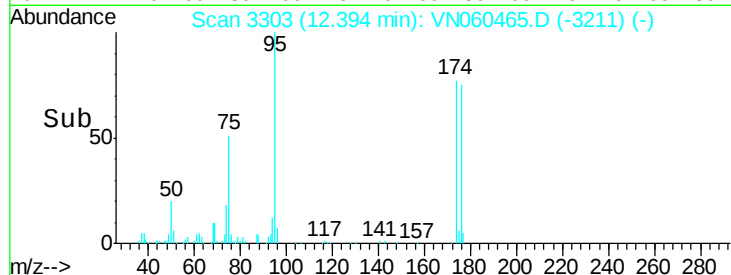
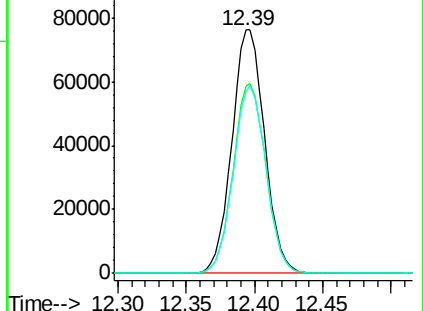
176 77.3 0.0 153.8



Abundance Ion 94.90 (94.60 to 95.60): VN060264.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060264.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060264.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.40 min Scan# 2993

Delta R.T. -0.00 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

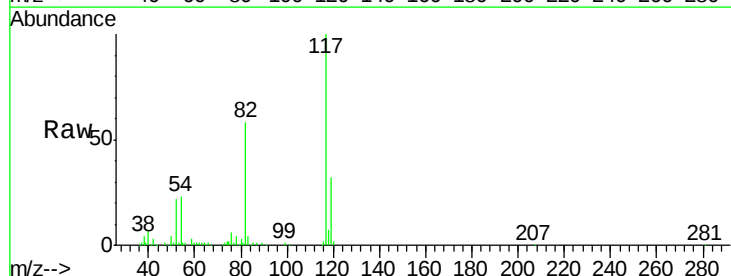
Tgt Ion: 117 Resp: 272795

Ion Ratio Lower Upper

117 100

82 57.6 45.8 68.6

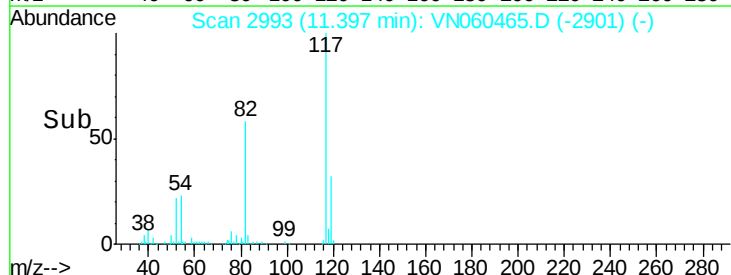
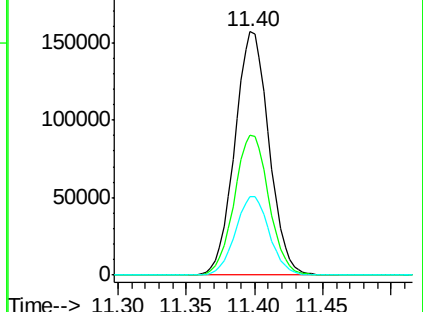
119 32.1 25.8 38.8

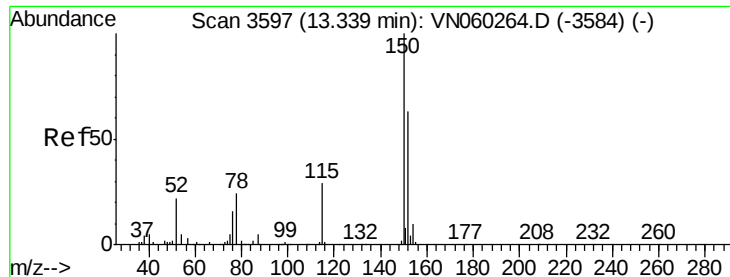


Abundance Ion 116.90 (116.60 to 117.60): VN060264.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060264.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060264.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0312MBL01

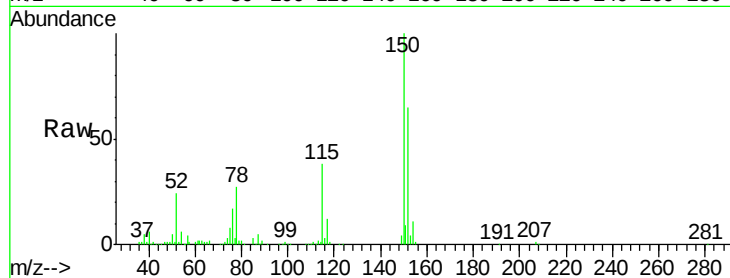
Tgt Ion:152 Resp: 108602

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

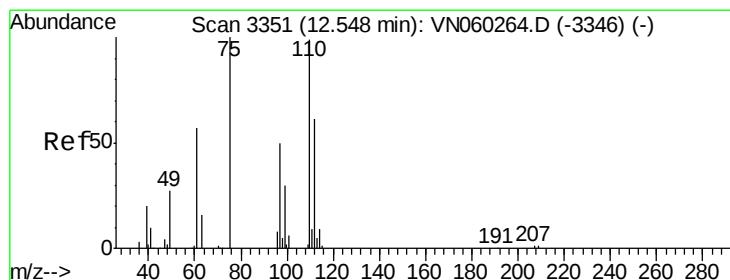
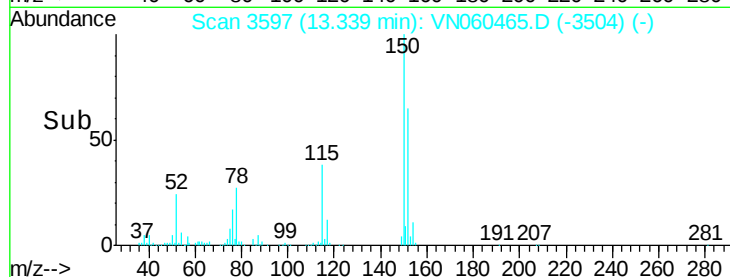
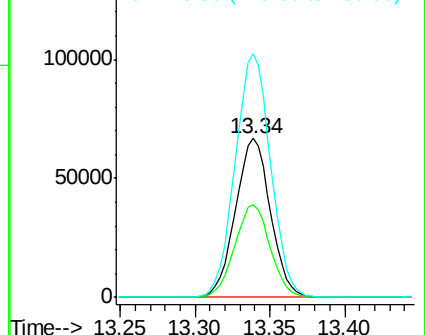
150 155.6 0.0 349.6



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: 27.40 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN060465.D

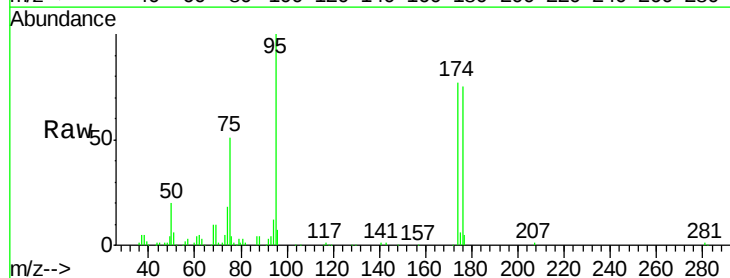
Acq: 12 Mar 2020 9:37

Tgt Ion: 75 Resp: 65284

Ion Ratio Lower Upper

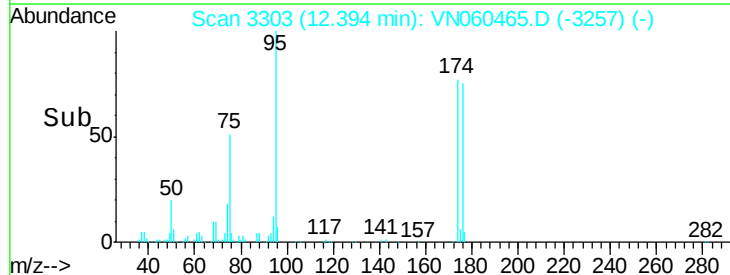
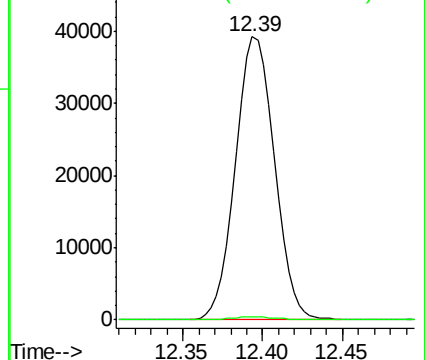
75 100

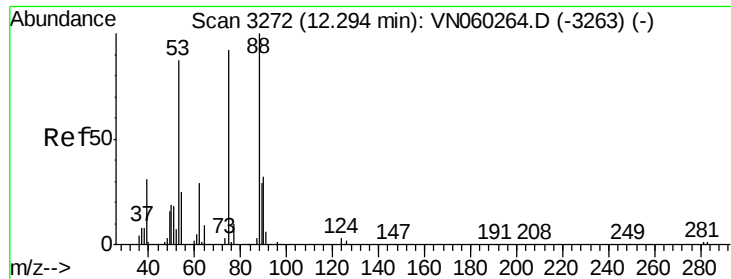
77 1.1 0.0 0.0#



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: 75.63 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0312MBL01

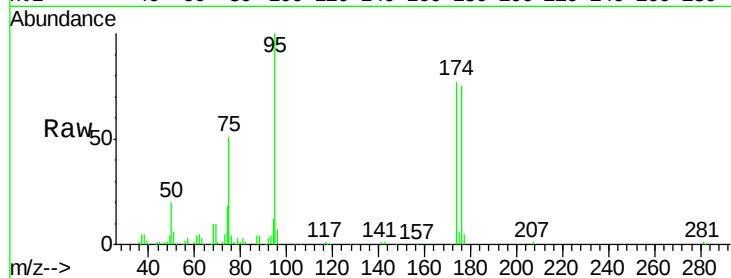
Tgt Ion: 75 Resp: 65284

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

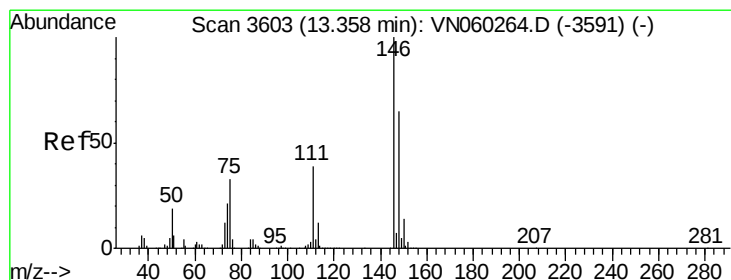
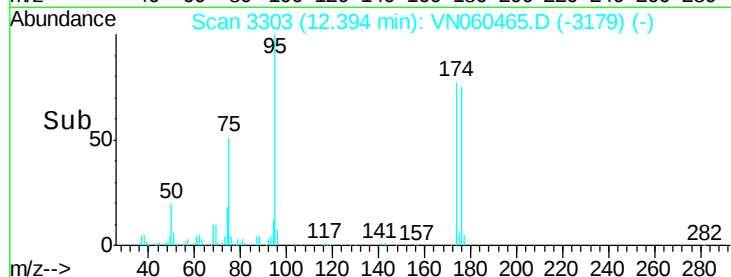
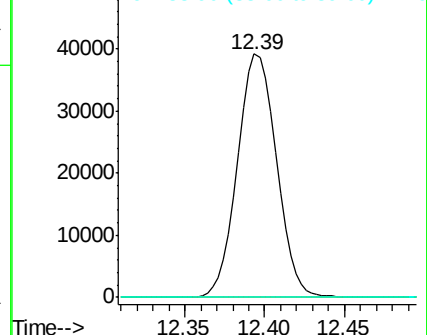
89 0.0 57.1 85.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060465.D (-3303) (-)

Ion 53.00 (52.70 to 53.70): VN060465.D (-3303) (-)

Ion 88.90 (88.60 to 89.60): VN060465.D (-3303) (-)



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

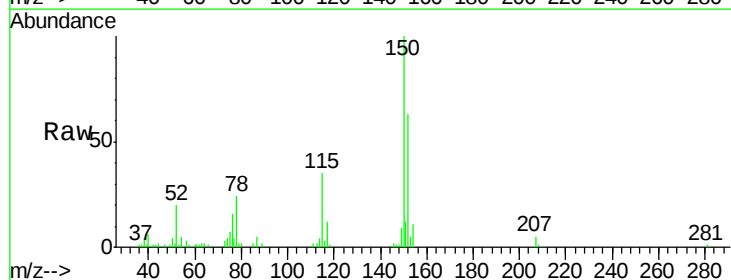
Tgt Ion: 146 Resp: 393

Ion Ratio Lower Upper

146 100

111 396.7 19.8 59.4#

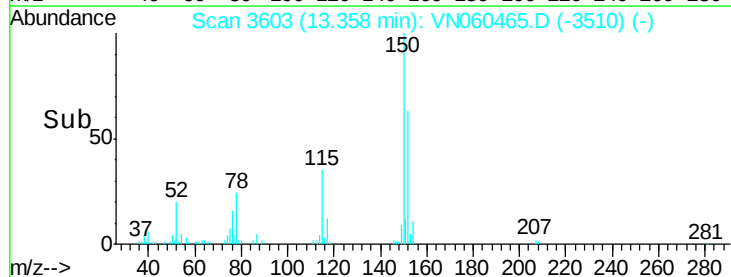
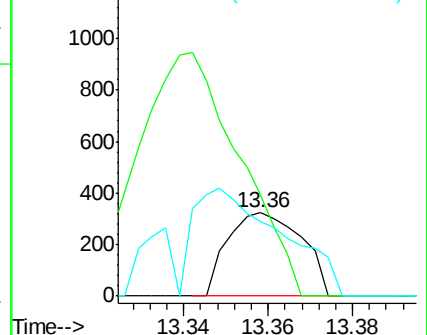
148 155.2 32.3 96.9#

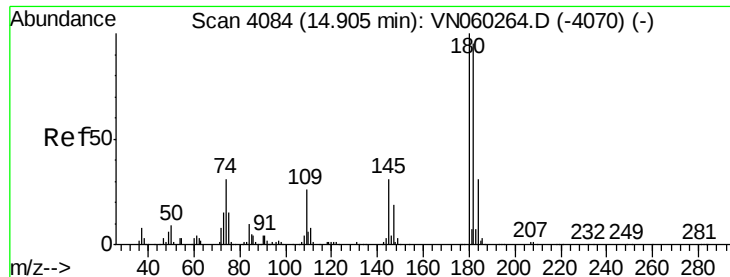


Abundance Ion 145.90 (145.60 to 146.60): VN060465.D (-3603) (-)

Ion 110.90 (110.60 to 111.60): VN060465.D (-3603) (-)

Ion 147.90 (147.60 to 148.60): VN060465.D (-3603) (-)

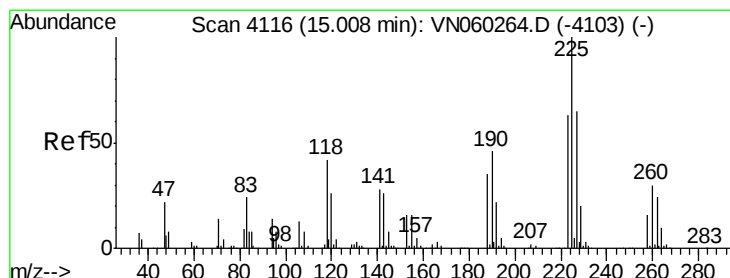
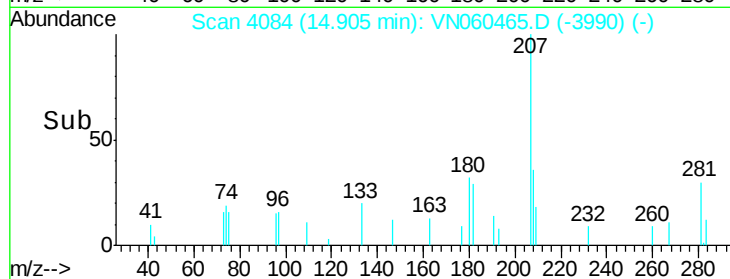
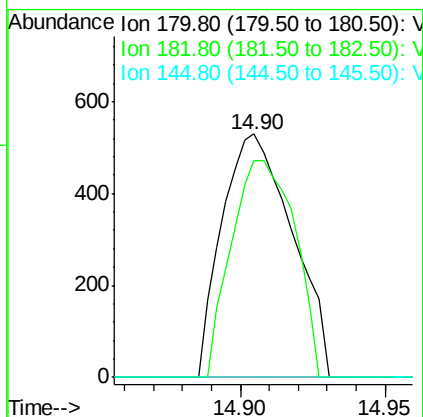
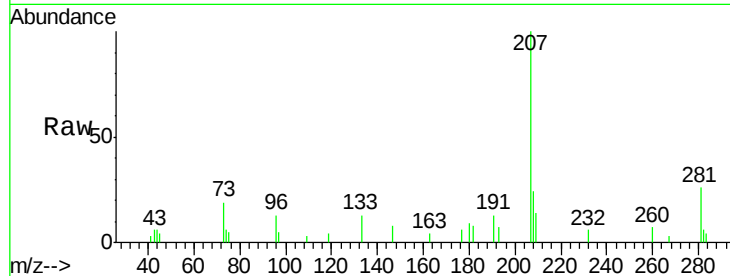




#93
 1,2,4-Trichlorobenzene
 Concen: 0.49 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN060465.D
 Acq: 12 Mar 2020 9:37

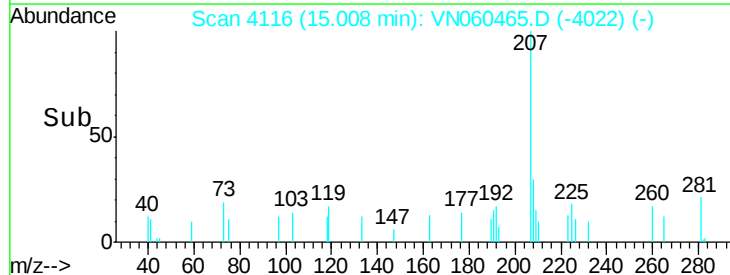
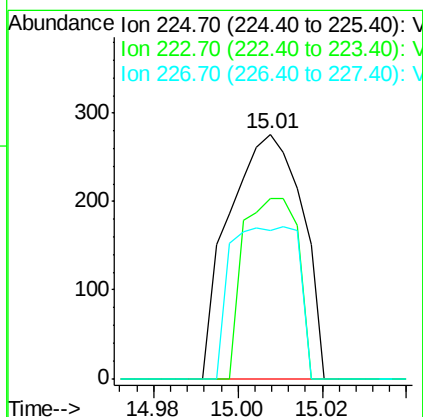
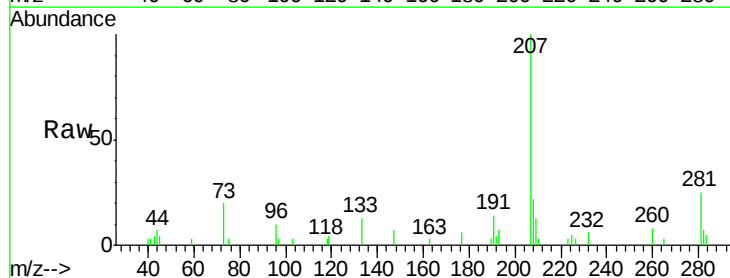
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0312MBL01

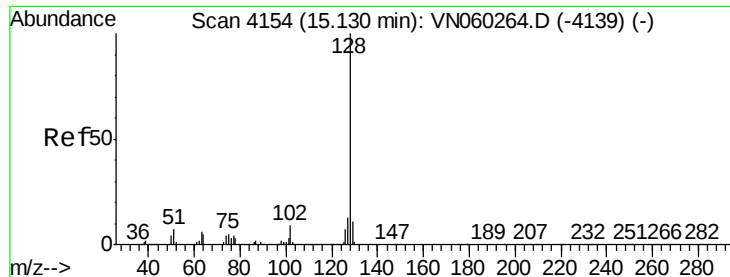
Tgt Ion:180 Resp: 890
 Ion Ratio Lower Upper
 180 100
 182 80.4 47.8 143.3
 145 0.0 15.4 46.1#



#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060465.D
 Acq: 12 Mar 2020 9:37

Tgt Ion:225 Resp: 333
 Ion Ratio Lower Upper
 225 100
 223 55.0 31.3 93.9
 227 57.7 32.3 96.9





#95

Naphthalene

Concen: 0.21 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0312MBL01

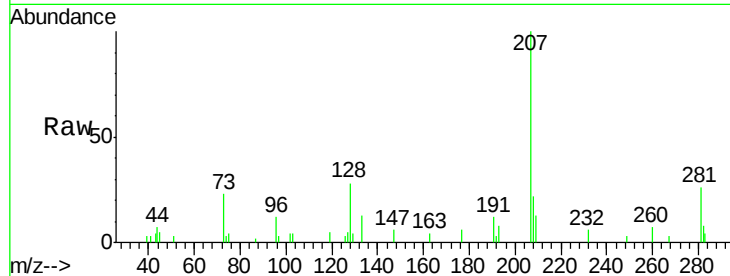
Tgt Ion:128 Resp: 3116

Ion Ratio Lower Upper

128 100

127 10.3 10.4 15.6#

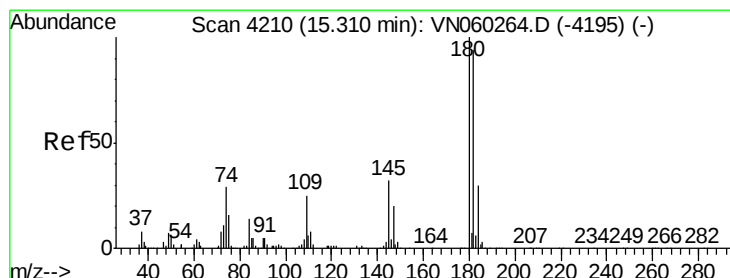
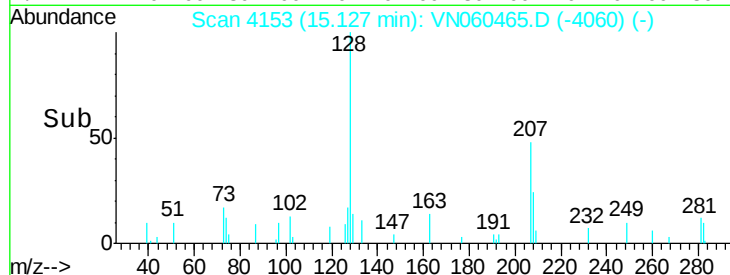
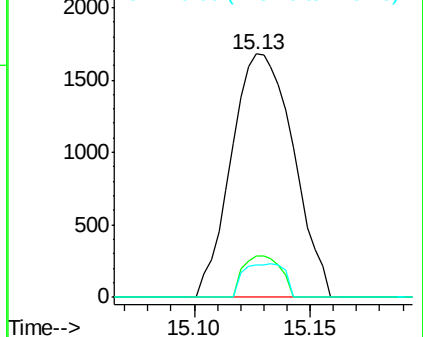
129 9.1 8.6 13.0



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: 0.31 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. 0.00 min

Lab File: VN060465.D

Acq: 12 Mar 2020 9:37

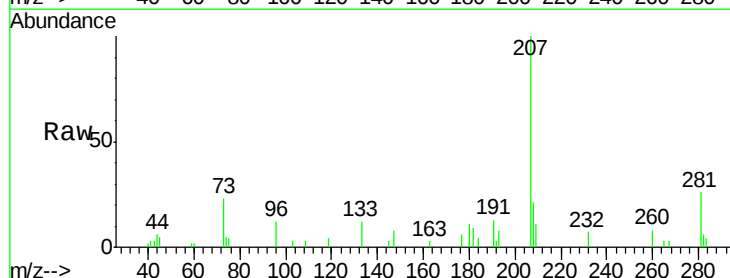
Tgt Ion:180 Resp: 1021

Ion Ratio Lower Upper

180 100

182 100.7 47.3 142.0

145 29.5 16.2 48.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

