

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112919\
 Data File : VN059446.D
 Acq On : 29 Nov 2019 14:23
 Operator : JC/SP
 Sample : K6024-15
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 29 22:27:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112719W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 27 16:56:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	354346	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	535075	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	468593	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	173682	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	198653	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	
35) Dibromofluoromethane	7.57	113	161016	49.40	ug/l	0.00
Spiked Amount			Recovery	=	98.80%	
50) Toluene-d8	10.08	98	644928	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.40	95	209889	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	

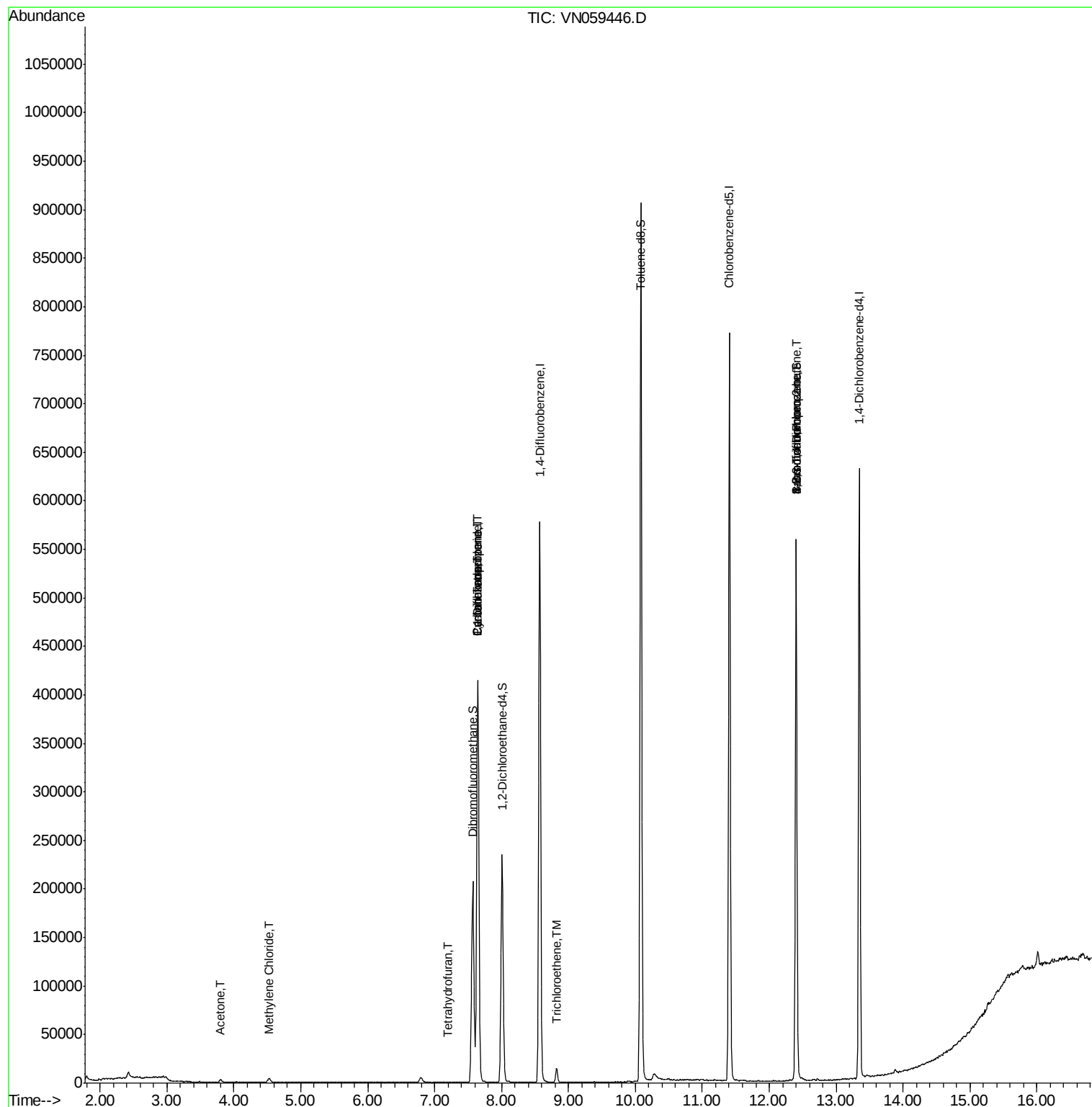
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	4511	2.281	ug/l	98
20) Methylene Chloride	4.53	84	3401	0.846	ug/l	91
29) Tetrahydrofuran	7.20	42	559	0.309	ug/l #	52
31) Cyclohexane	7.64	56	6320	0.904	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	24772	4.814	ug/l #	50
38) Carbon Tetrachloride	7.64	117	32608	6.715	ug/l #	17
44) Trichloroethene	8.82	130	5696	1.462	ug/l	96
71) Bromoform	12.40	173	824	0.315	ug/l #	1
74) N-amyl acetate	12.06	43	98	Below Cal	#	42
76) 1,2,3-Trichloropropane	12.40	75	98573	25.088	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	98573	64.462	ug/l #	17
92) 1,2-Dibromo-3-Chloropropan	14.26	75	192	Below Cal	#	1
95) Naphthalene	15.13	128	1233	Below Cal	#	81
96) 1,2,3-Trichlorobenzene	15.29	180	379	Below Cal	#	59

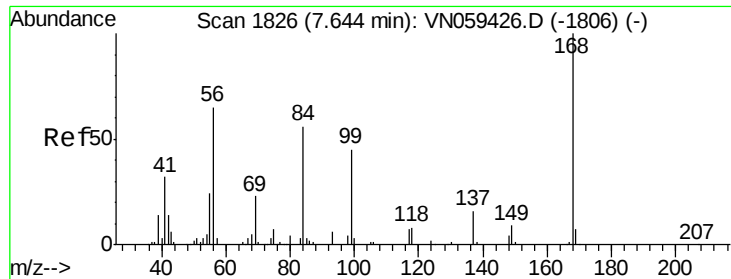
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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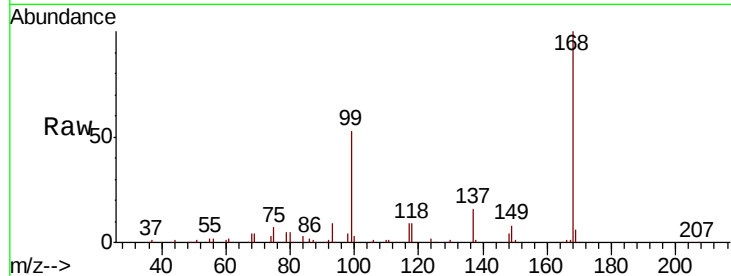




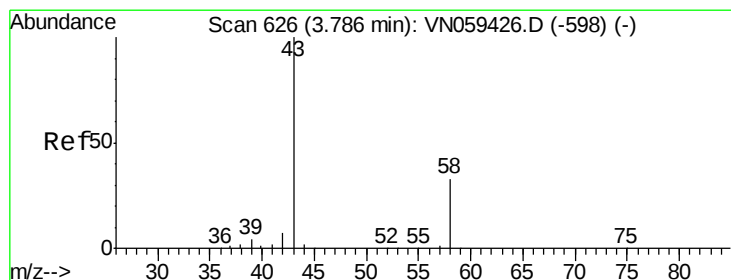
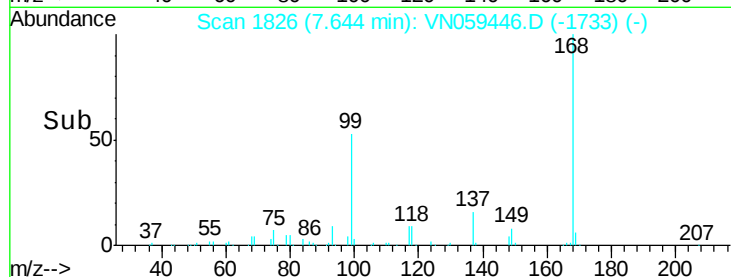
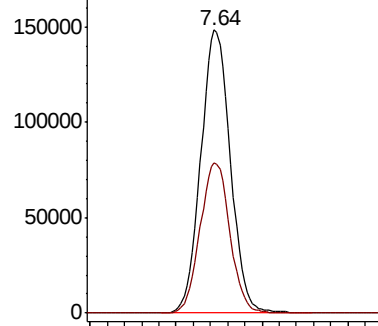
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN059446.D
Acq: 29 Nov 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 354346
Ion Ratio Lower Upper
168 100
99 53.2 43.0 64.4

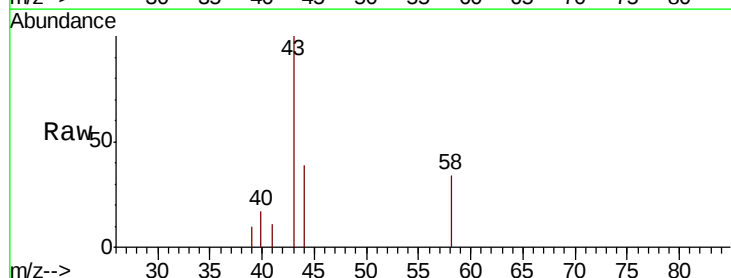


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VN

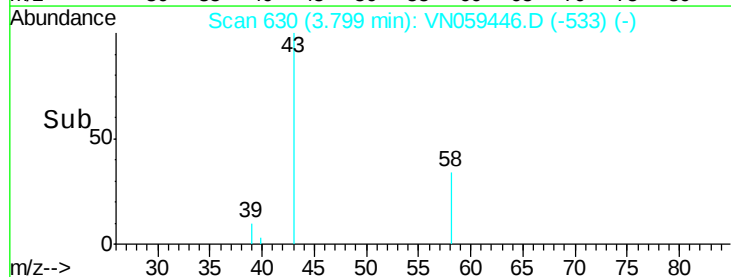
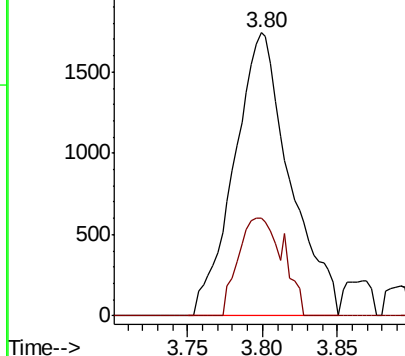


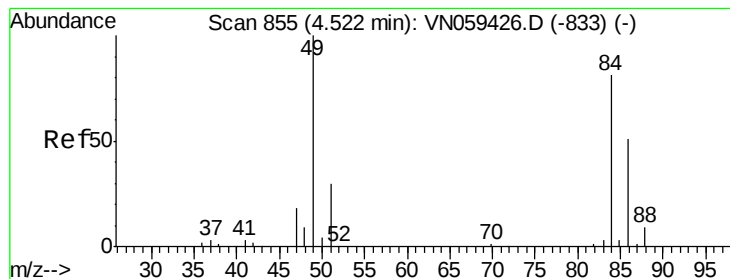
#16
Acetone
Concen: 2.281 ug/l
RT: 3.80 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN059446.D
Acq: 29 Nov 2019 14:23

Tgt Ion: 43 Resp: 4511
Ion Ratio Lower Upper
43 100
58 34.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 58.00 (57.70 to 58.70): VN





#20

Methylene Chloride

Concen: 0.846 ug/l

RT: 4.53 min Scan# 856

Delta R.T. 0.00 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 3401

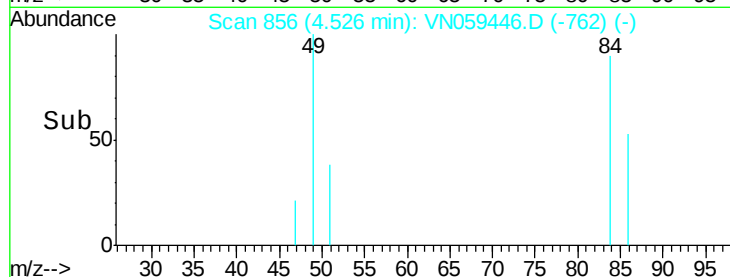
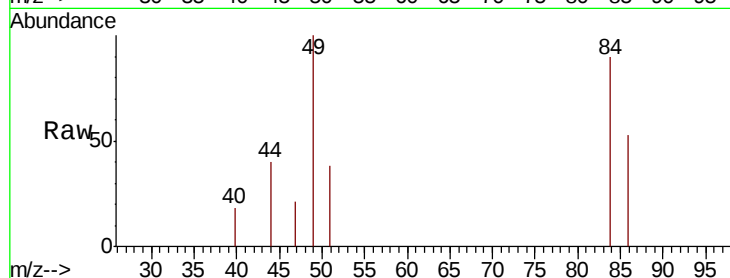
Ion Ratio Lower Upper

84 100

49 111.0 98.6 148.0

51 42.4 29.4 44.0

86 58.7 50.6 76.0

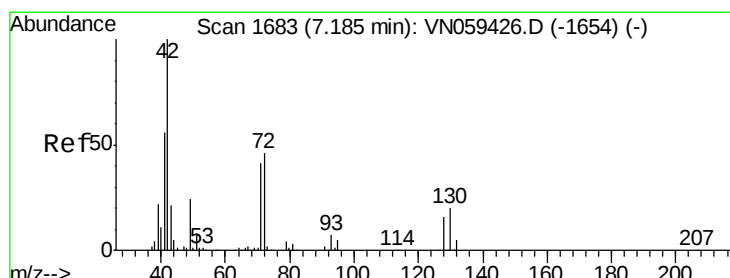
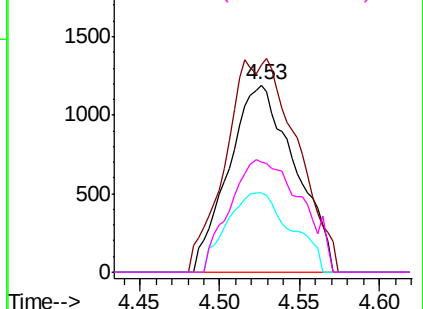


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#29

Tetrahydrofuran

Concen: 0.309 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.02 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

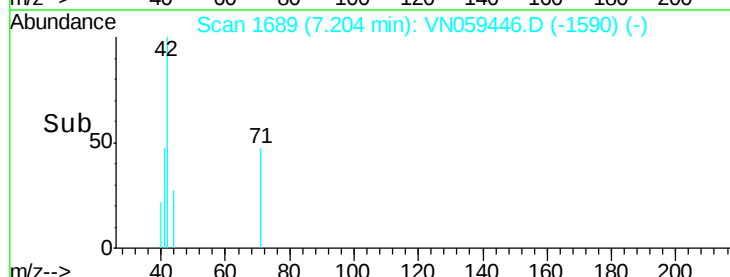
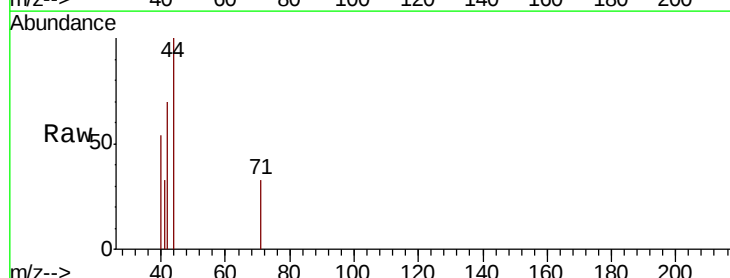
Tgt Ion: 42 Resp: 559

Ion Ratio Lower Upper

42 100

72 0.0 34.6 51.8#

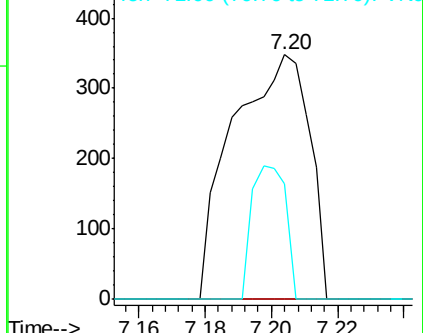
71 24.0 33.0 49.6#

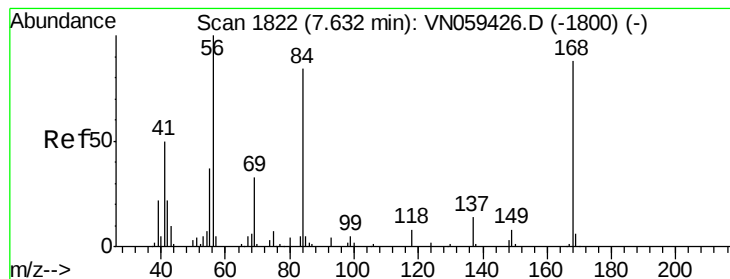


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#31

Cyclohexane

Concen: 0.904 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

Instrument :
MSVOA_N
ClientSampleId :

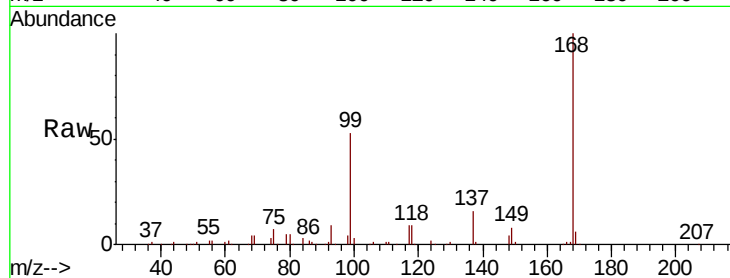
Tot Ion: 56 Resp: 6320

Ion Ratio Lower Upper

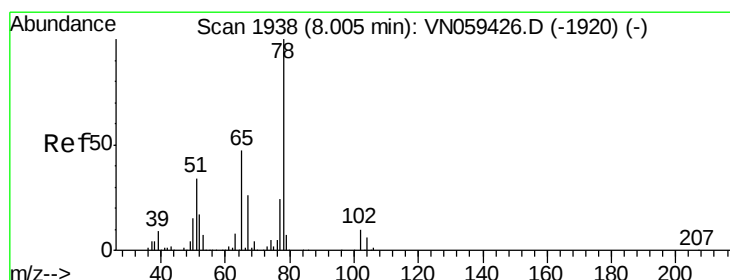
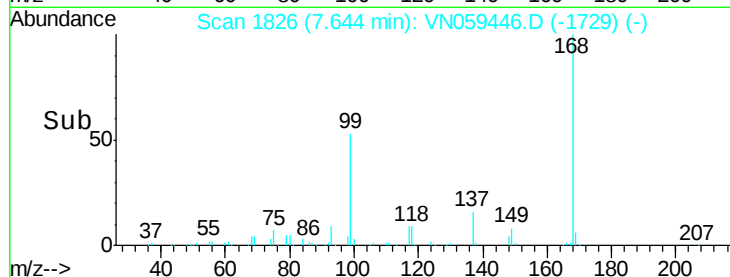
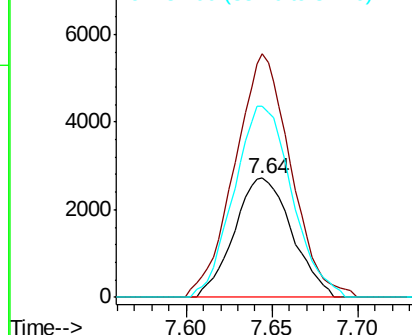
56 100

69 198.2 26.4 39.6#

84 160.8 67.0 100.6#



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



#33

1,2-Dichloroethane-d4

Concen: 47.859 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059446.D

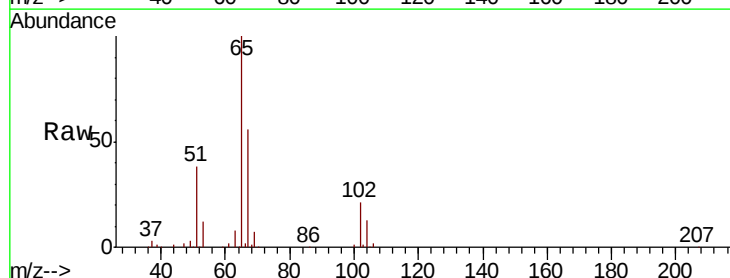
Acq: 29 Nov 2019 14:23

Tgt Ion: 65 Resp: 198653

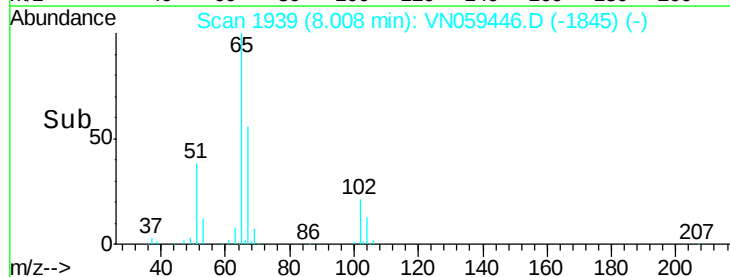
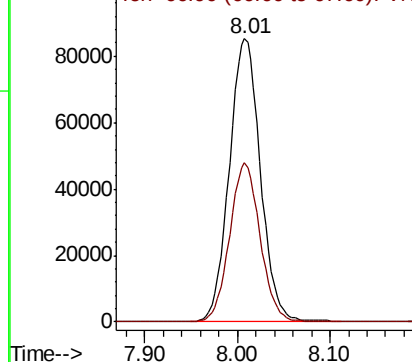
Ion Ratio Lower Upper

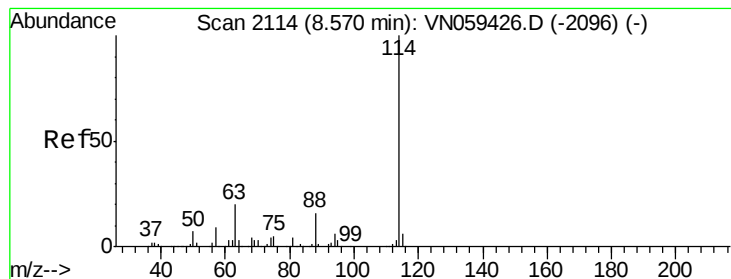
65 100

67 55.0 0.0 111.2



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

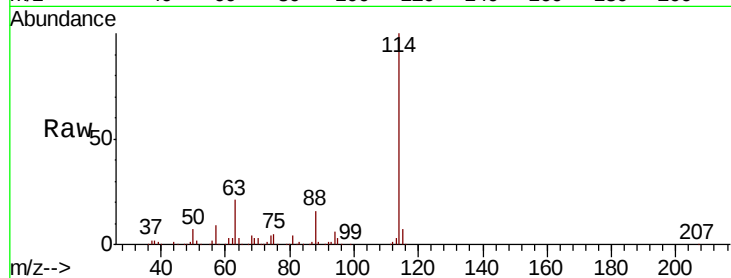
Tot Ion:114 Resp: 535075

Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.4

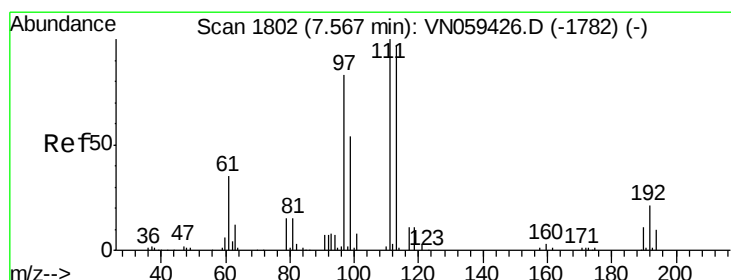
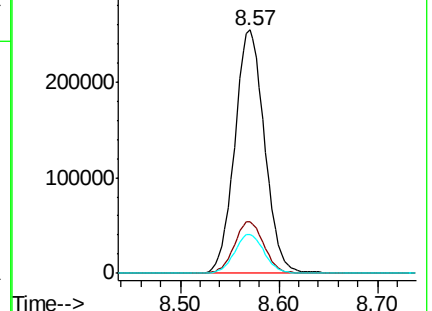
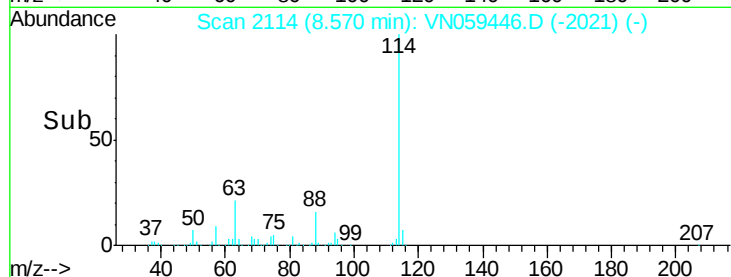
88 16.0 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 49.403 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

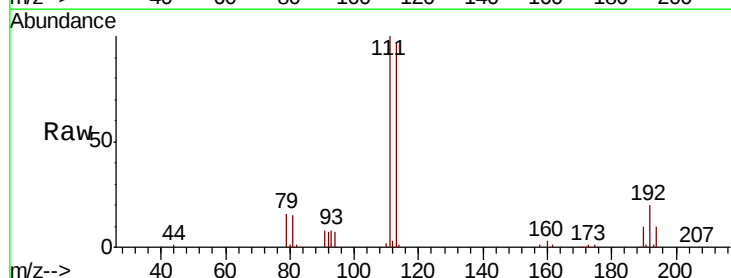
Tgt Ion:113 Resp: 161016

Ion Ratio Lower Upper

113 100

111 103.4 81.9 122.9

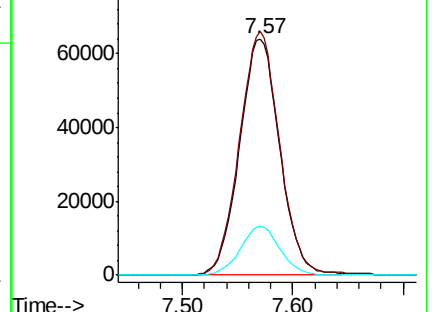
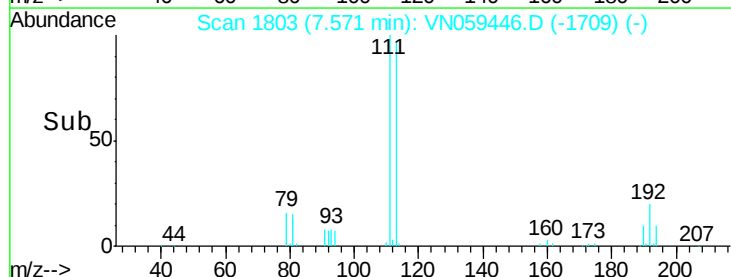
192 20.5 16.6 24.8

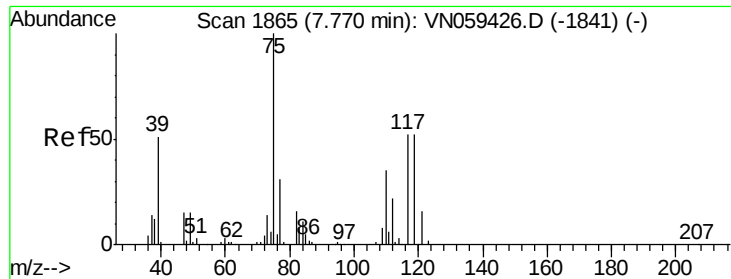


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

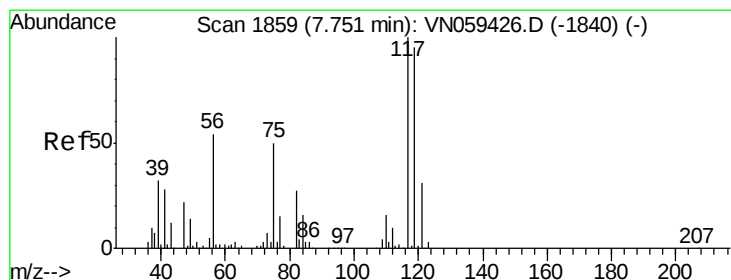
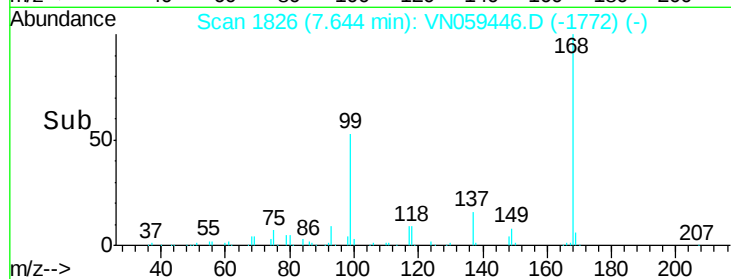
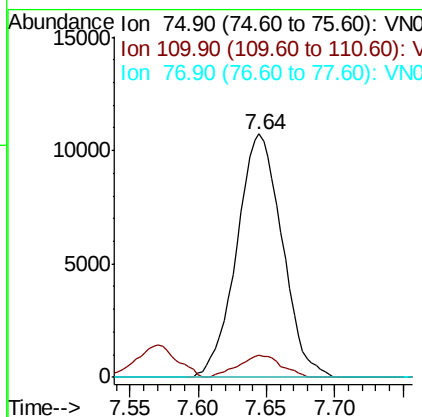
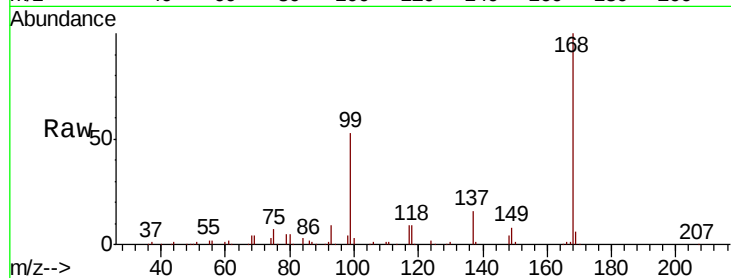




#36
 1,1-Dichloropropene
 Concen: 4.814 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059446.D
 Acq: 29 Nov 2019 14:23

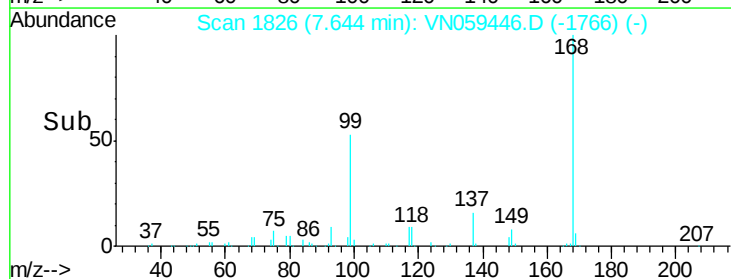
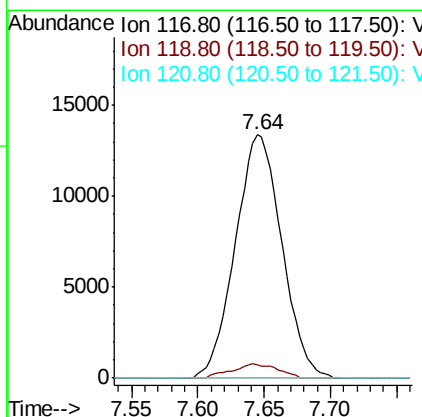
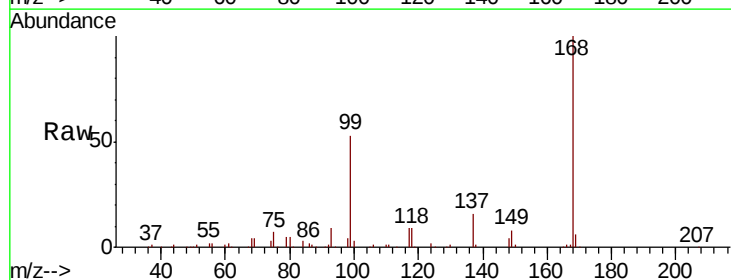
Instrument :
 MSVOA_N
 ClientSampled :

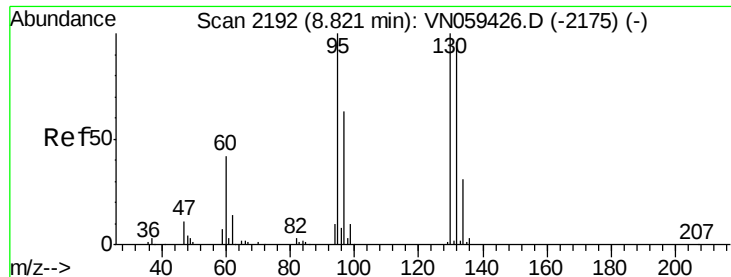
Tot Ion	75	Resp	24772
Ion Ratio	Lower	Upper	
75	100		
110	8.6	17.3	52.0#
77	0.0	24.9	37.3#



#38
 Carbon Tetrachloride
 Concen: 6.715 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059446.D
 Acq: 29 Nov 2019 14:23

Tgt Ion	117	Resp	32608
Ion Ratio	Lower	Upper	
117	100		
119	5.5	75.9	113.9#
121	0.0	24.6	36.8#

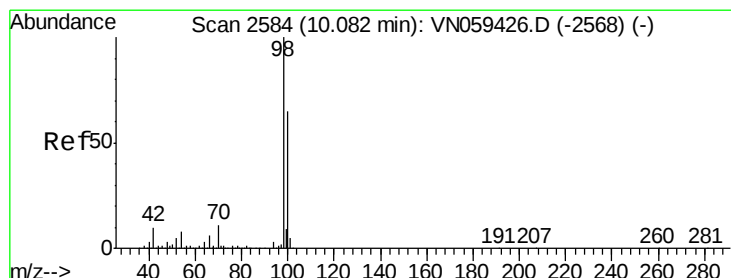
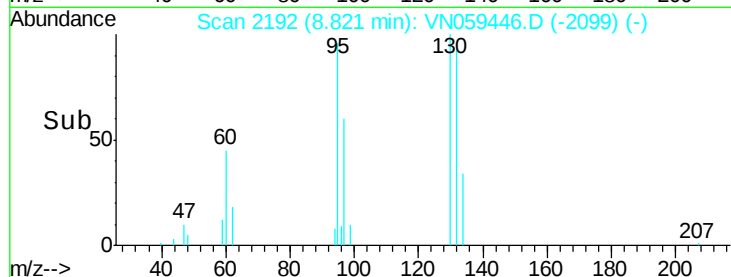
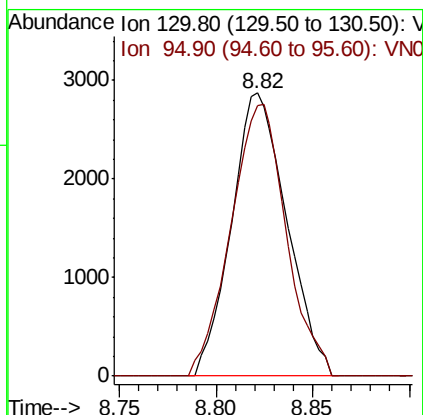
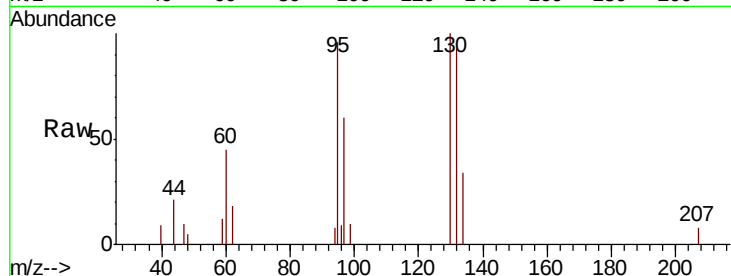




#44
 Trichloroethene
 Concen: 1.462 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059446.D
 Acq: 29 Nov 2019 14:23

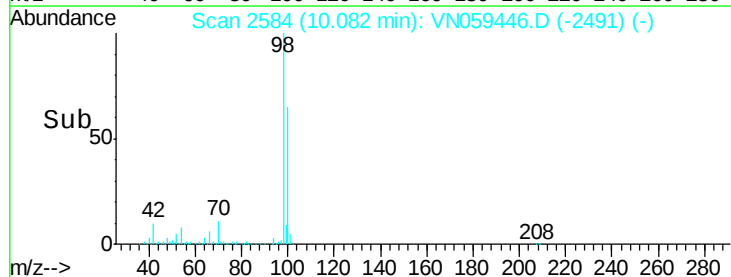
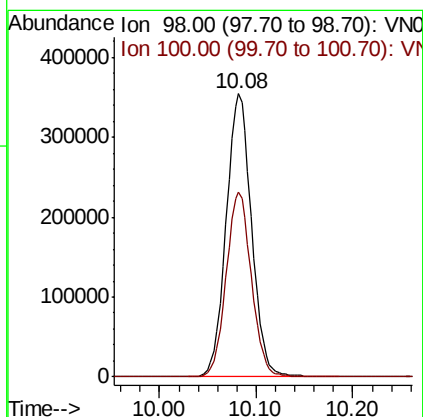
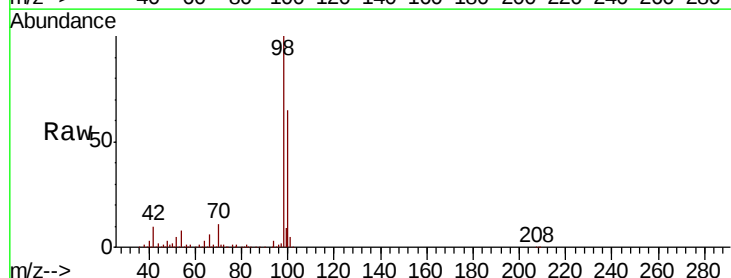
Instrument :
 MSVOA_N
 ClientSampleId :

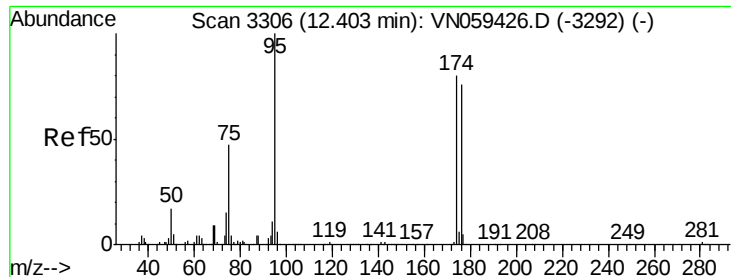
Tot Ion:130 Resp: 5696
 Ion Ratio Lower Upper
 130 100
 95 95.6 0.0 199.6



#50
 Toluene-d8
 Concen: 49.661 ug/l
 RT: 10.08 min Scan# 2584
 Delta R.T. 0.00 min
 Lab File: VN059446.D
 Acq: 29 Nov 2019 14:23

Tgt Ion: 98 Resp: 644928
 Ion Ratio Lower Upper
 98 100
 100 64.9 52.2 78.2





#62

4-Bromofluorobenzene

Concen: 46.418 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

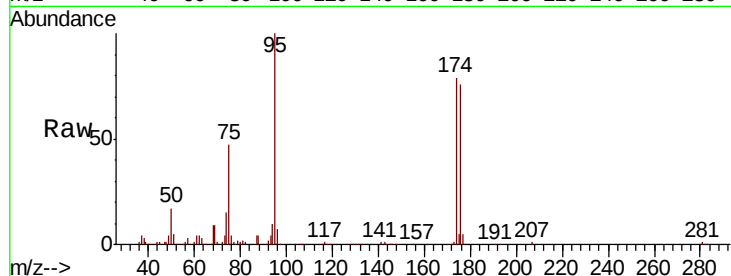
Tot Ion: 95 Resp: 209889

Ion Ratio Lower Upper

95 100

174 78.4 0.0 158.0

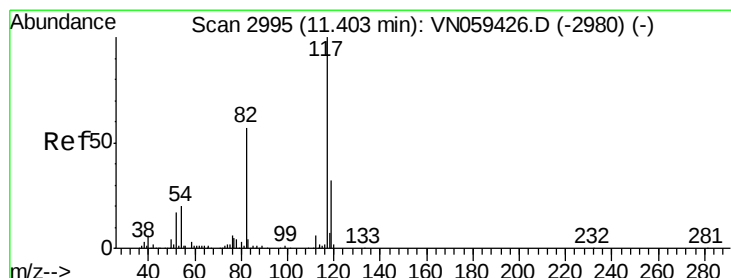
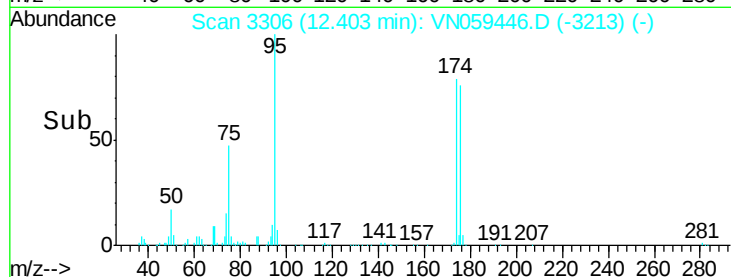
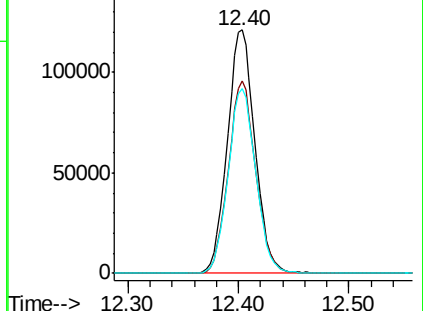
176 76.3 0.0 153.0



Abundance Ion 94.90 (94.60 to 95.60): VN059446.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN059446.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN059446.D (-3213) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

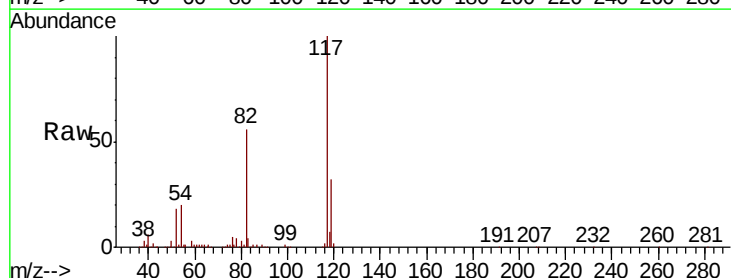
Tgt Ion: 117 Resp: 468593

Ion Ratio Lower Upper

117 100

82 55.9 45.4 68.0

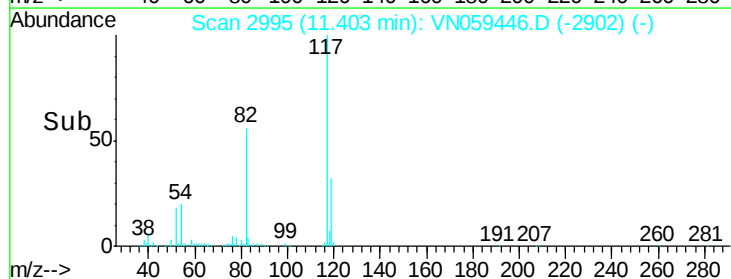
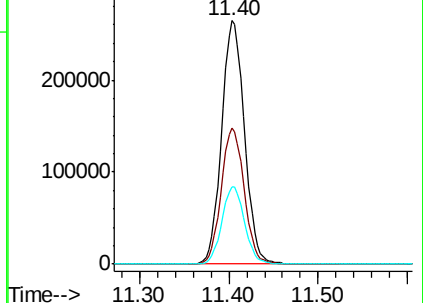
119 31.7 25.6 38.4

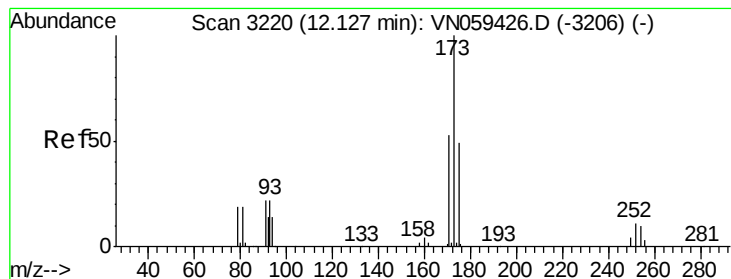


Abundance Ion 116.90 (116.60 to 117.60): VN059446.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059446.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059446.D (-2902) (-)





#71

Bromoform

Concen: 0.315 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampled :

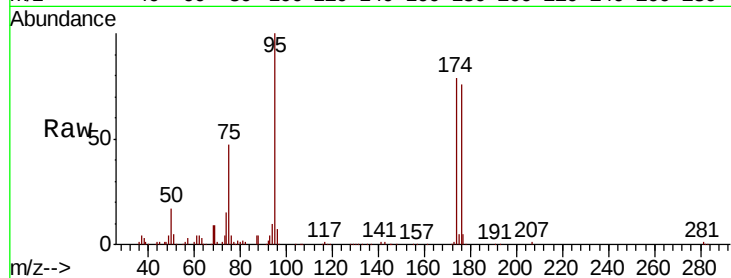
Tot Ion:173 Resp: 824

Ion Ratio Lower Upper

173 100

175 1171.8 24.1 72.3#

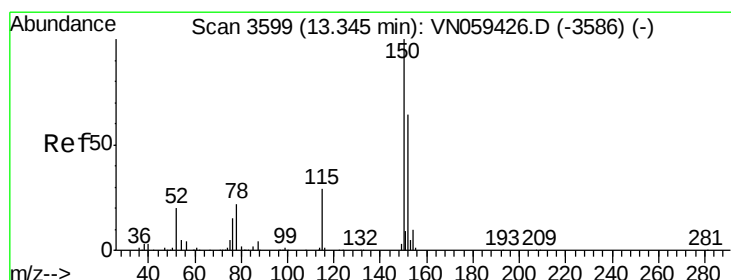
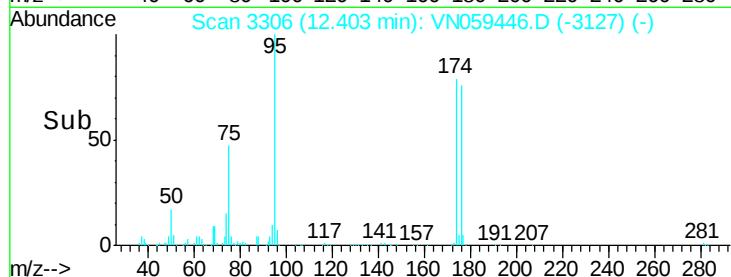
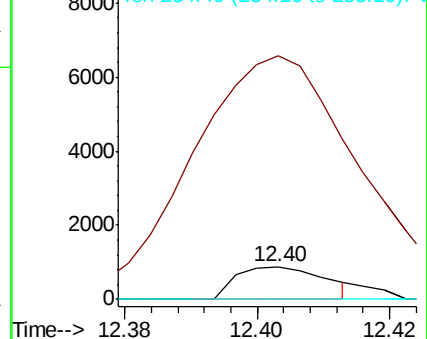
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

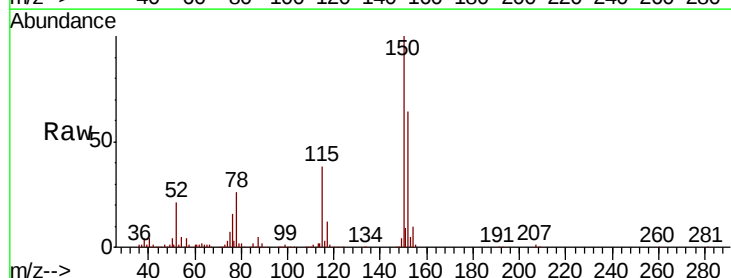
Tgt Ion:152 Resp: 173682

Ion Ratio Lower Upper

152 100

115 59.6 29.5 88.6

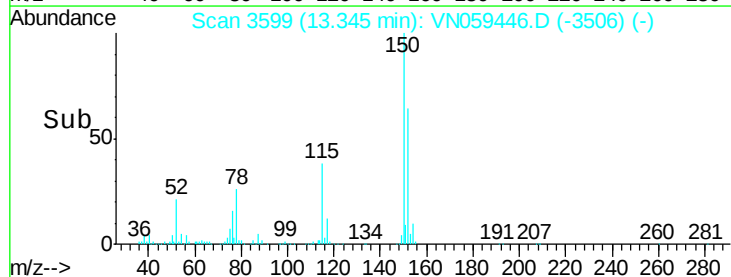
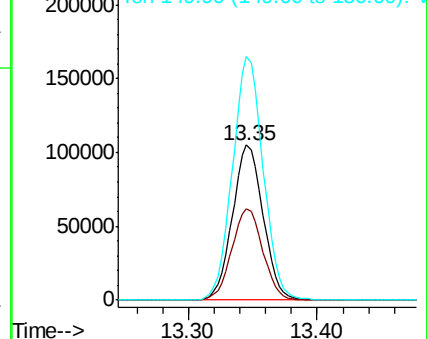
150 156.6 0.0 347.2

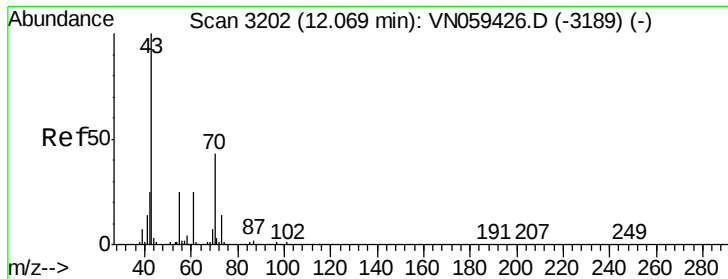


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: Below Cal

RT: 12.06 min Scan# 3198

Delta R.T. -0.01 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 98

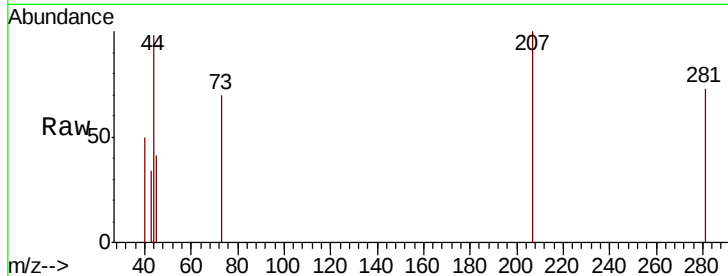
Ion Ratio Lower Upper

43 100

70 0.0 34.6 52.0#

55 0.0 20.5 30.7#

61 0.0 20.2 30.4#

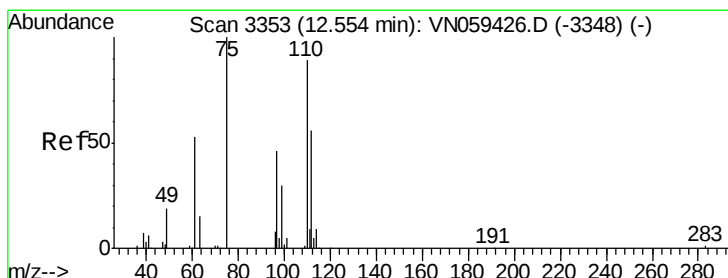
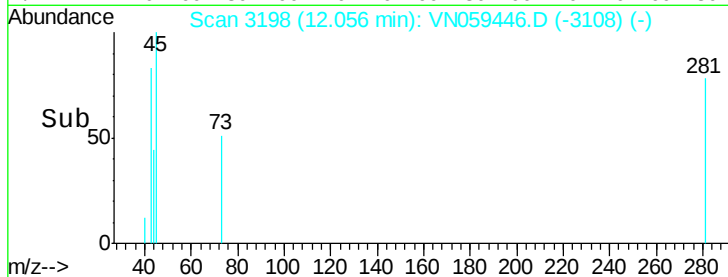
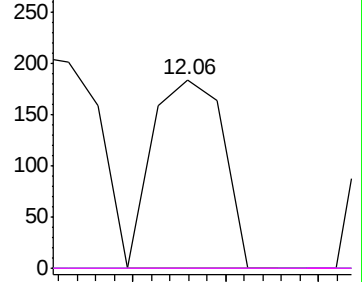


Abundance Ion 43.00 (42.70 to 43.70): VNO

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: 25.088 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059446.D

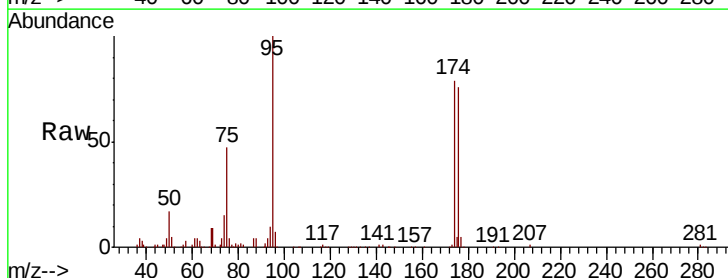
Acq: 29 Nov 2019 14:23

Tgt Ion: 75 Resp: 98573

Ion Ratio Lower Upper

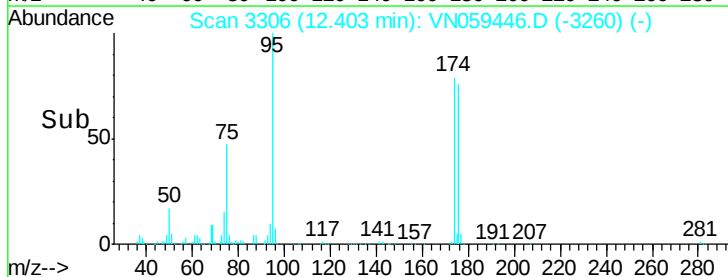
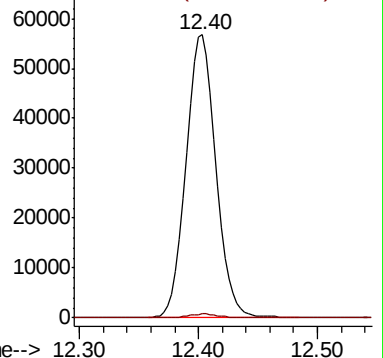
75 100

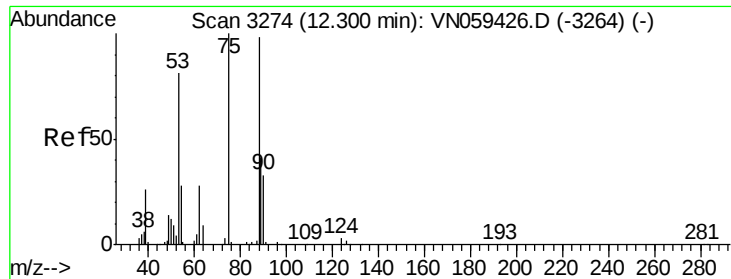
77 1.4 0.0 0.0#



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: 64.462 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

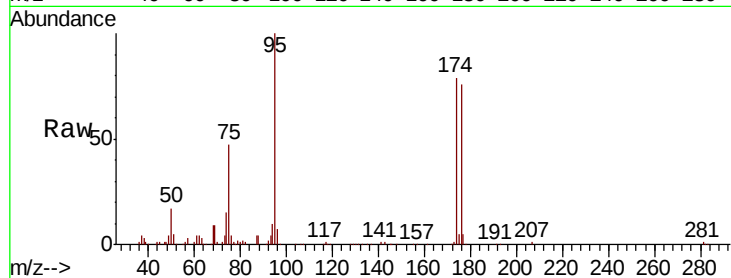
Tot Ion: 75 Resp: 98573

Ion Ratio Lower Upper

75 100

53 0.0 66.2 99.4#

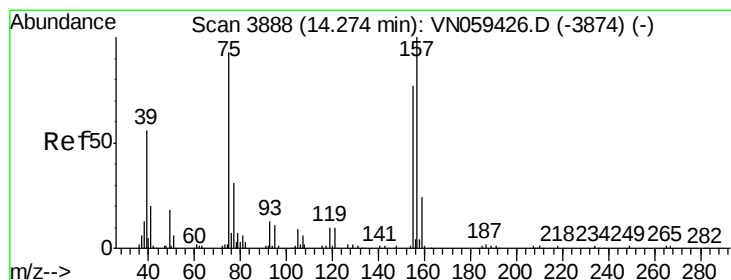
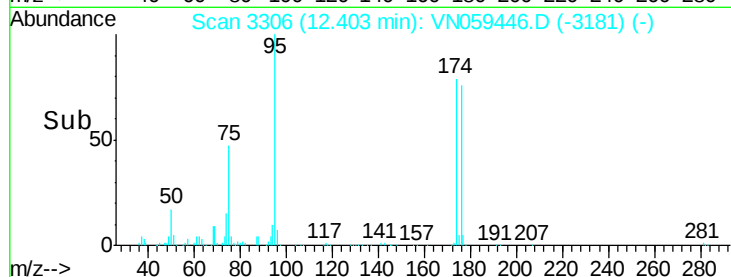
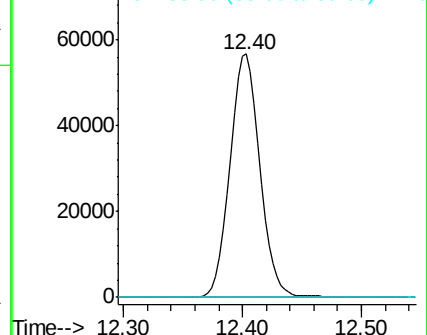
89 0.0 33.9 50.9#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3885

Delta R.T. -0.01 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

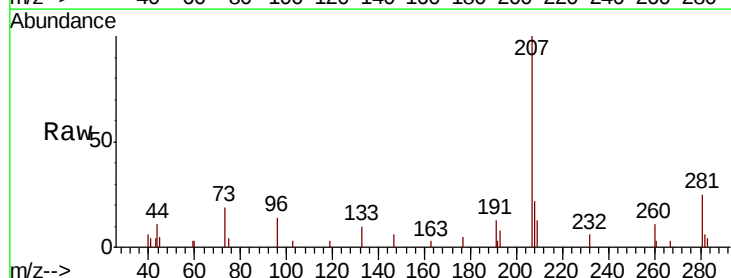
Tgt Ion: 75 Resp: 192

Ion Ratio Lower Upper

75 100

155 0.0 41.9 125.8#

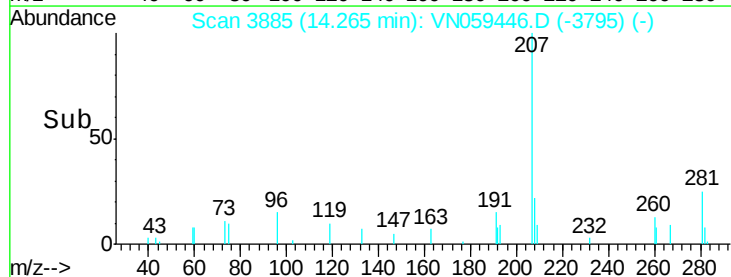
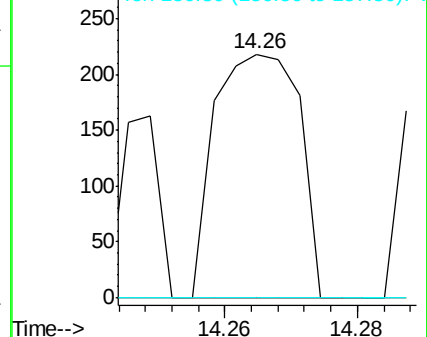
157 0.0 54.1 162.3#

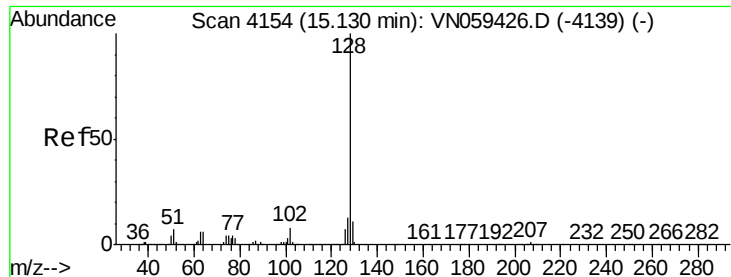


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: Below Cal

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059446.D

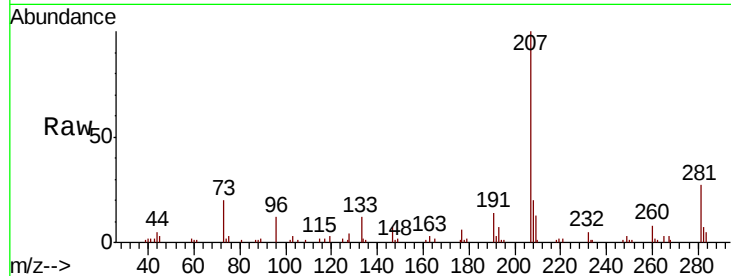
Acq: 29 Nov 2019 14:23

Instrument :

MSVOA_N

ClientSampleId :

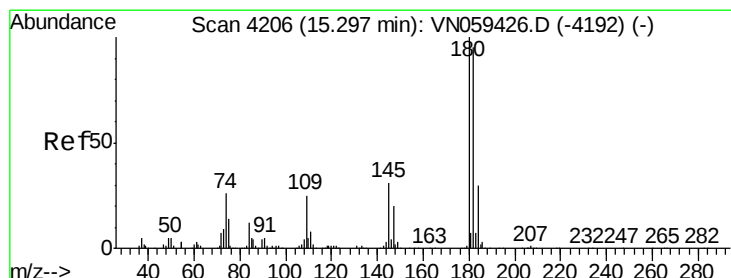
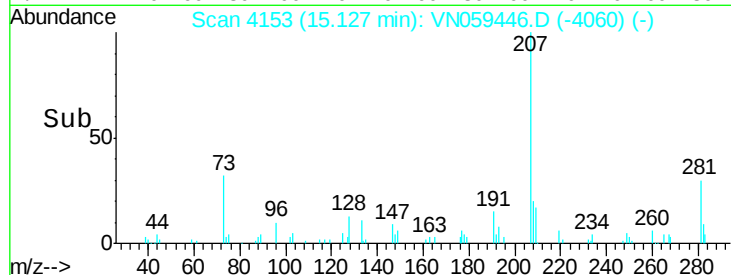
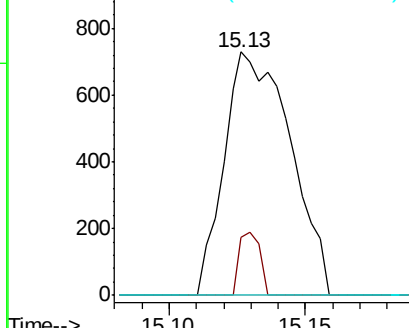
Tot Ion:	128	Resp:	1233
Ion	Ratio	Lower	Upper
128	100		
127	8.1	10.1	15.1#
129	0.0	8.6	12.8#



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: Below Cal

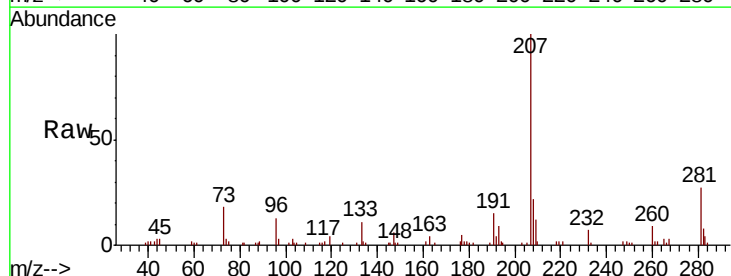
RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN059446.D

Acq: 29 Nov 2019 14:23

Tgt Ion:	180	Resp:	379
Ion	Ratio	Lower	Upper
180	100		
182	46.7	47.5	142.6#
145	38.5	15.7	47.1



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

