

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058290.D
 Acq On : 23 Sep 2019 14:24
 Operator : JC/SP
 Sample : K4939-05ME 10X
 Misc : 6.23g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 984-S-4-(19)MEDL

Quant Time: Sep 24 01:32:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	480389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	796419	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	688082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	287656	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	355867	53.19	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.38%	
35) Dibromofluoromethane	7.57	113	241279	49.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.66%	
50) Toluene-d8	10.09	98	996864	52.85	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.41	95	323940	46.23	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.46%	

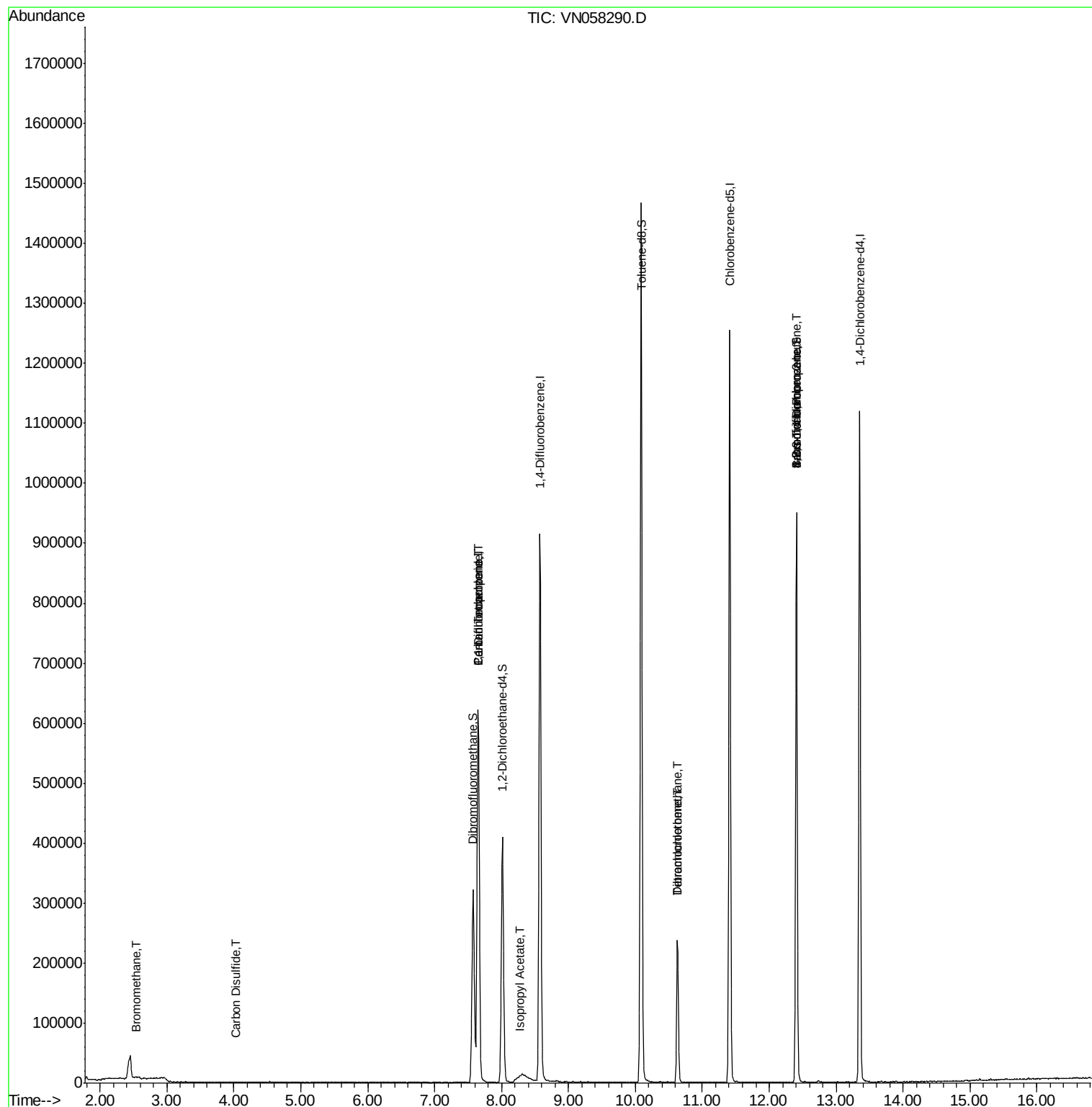
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	470	Below Cal	#	42
4) Vinyl Chloride	2.44	62	61	Below Cal	#	43
5) Bromomethane	2.53	94	489	0.996	ug/l #	4
6) Chloroethane	2.74	64	98	Below Cal	#	44
17) Carbon Disulfide	4.02	76	191	0.317	ug/l #	74
20) Methylene Chloride	4.53	84	504	Below Cal	#	45
31) Cyclohexane	7.65	56	12383	Below Cal	#	1
36) 1,1-Dichloropropene	7.65	75	41896	7.295	ug/l #	50
38) Carbon Tetrachloride	7.65	117	50854	8.808	ug/l #	15
43) Isopropyl Acetate	8.27	43	16458	1.478	ug/l #	57
60) Dibromochloromethane	10.63	129	48837	10.405	ug/l #	11
64) Tetrachloroethene	10.63	164	52438	15.633	ug/l	97
71) Bromoform	12.40	173	295	3.679	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	178868	34.744	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	178868	97.234	ug/l #	5

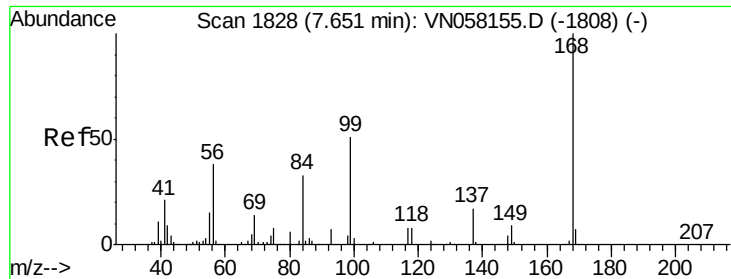
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 19 09:27:53 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

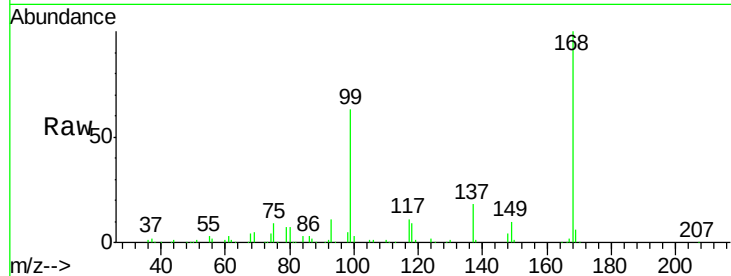
984-S-4-(19)MEDL

Tot Ion:168 Resp: 480389

Ion Ratio Lower Upper

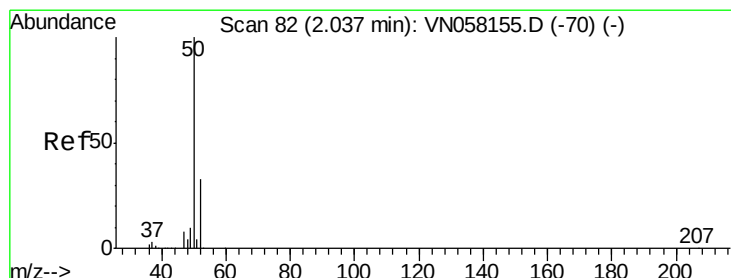
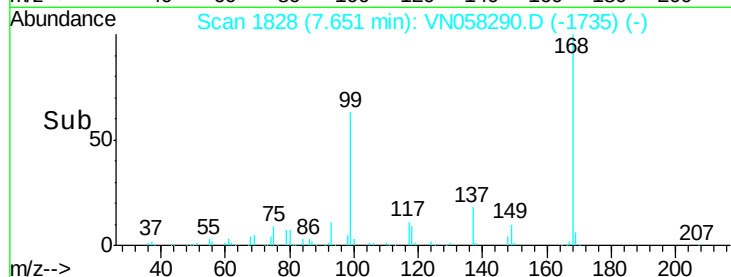
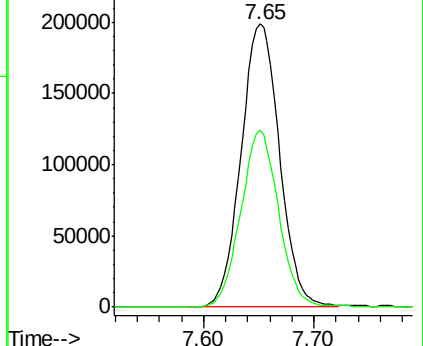
168 100

99 62.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: Below Cal

RT: 2.03 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN058290.D

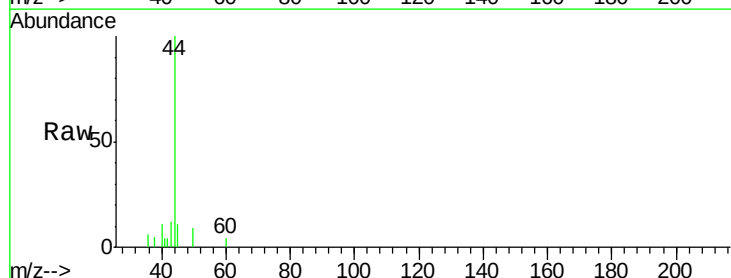
Acq: 23 Sep 2019 14:24

Tgt Ion: 50 Resp: 470

Ion Ratio Lower Upper

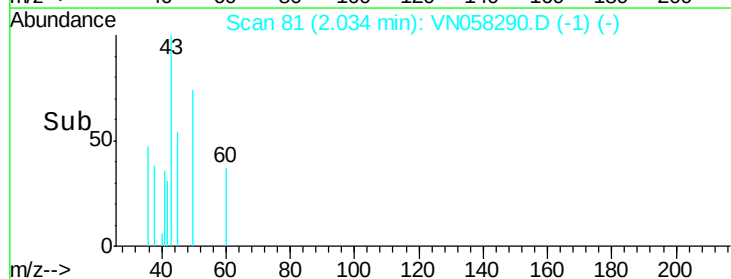
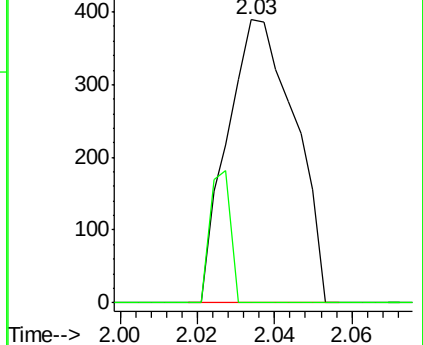
50 100

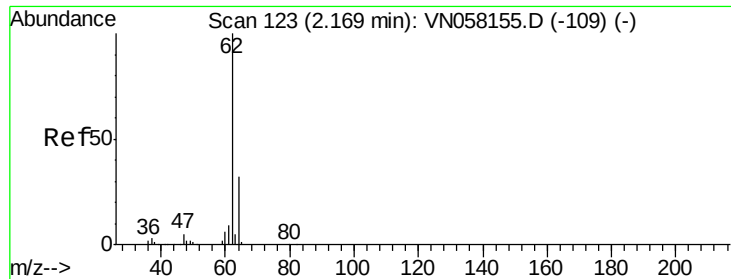
52 0.0 26.3 39.5#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.44 min Scan# 208

Delta R.T. 0.27 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

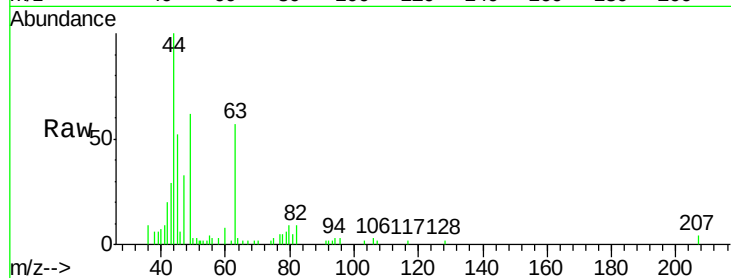
984-S-4-(19)MEDL

Tot Ion: 62 Resp: 61

Ion Ratio Lower Upper

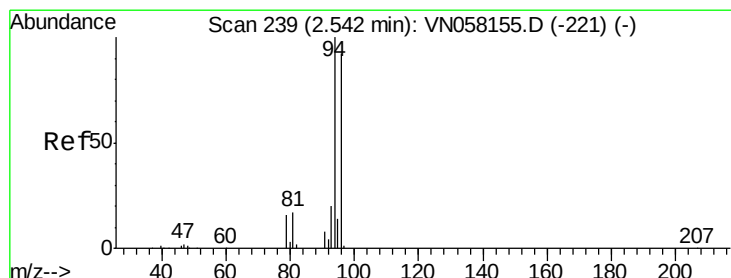
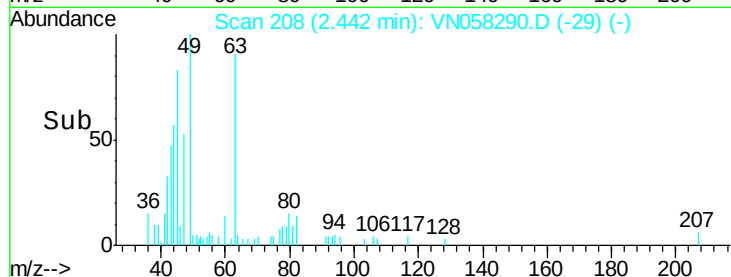
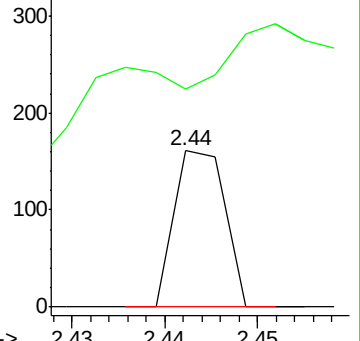
62 100

64 0.0 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#5

Bromomethane

Concen: 0.996 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN058290.D

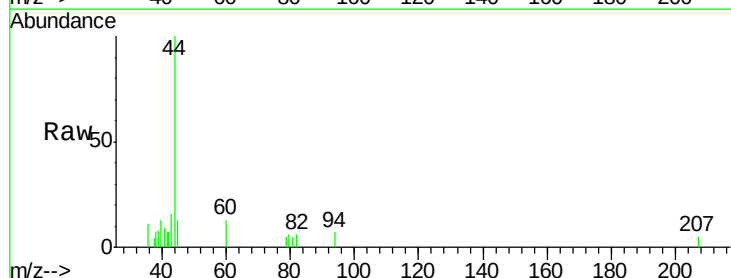
Acq: 23 Sep 2019 14:24

Tgt Ion: 94 Resp: 489

Ion Ratio Lower Upper

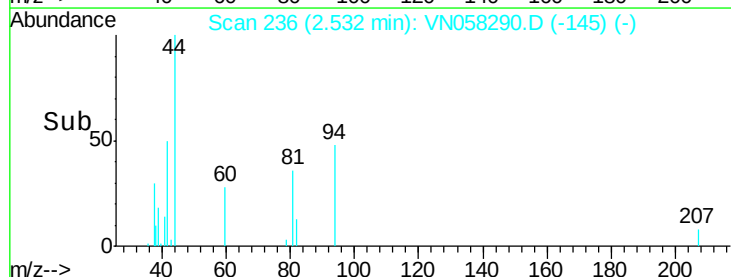
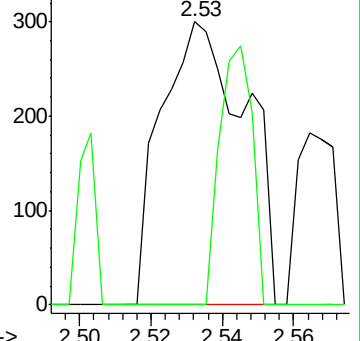
94 100

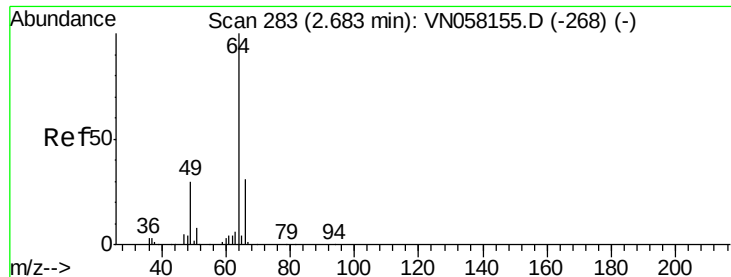
96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#6

Chloroethane

Concen: Below Cal

RT: 2.74 min Scan# 300

Delta R.T. 0.06 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

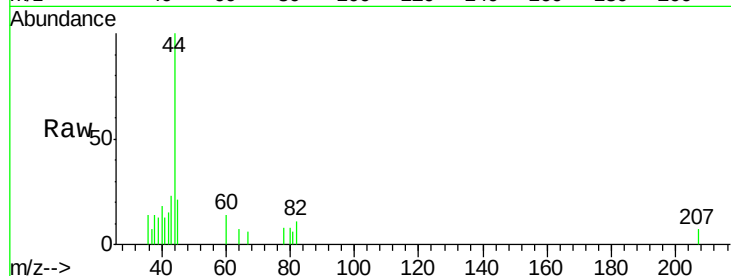
984-S-4-(19)MEDL

Tot Ion: 64 Resp: 98

Ion Ratio Lower Upper

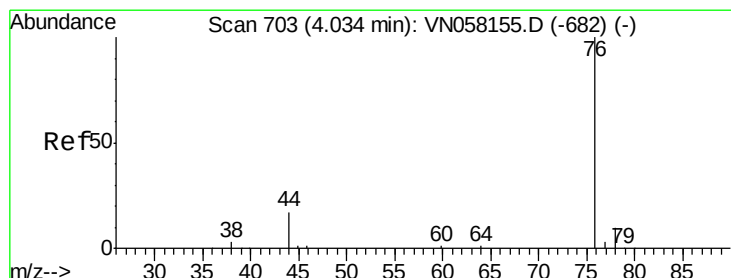
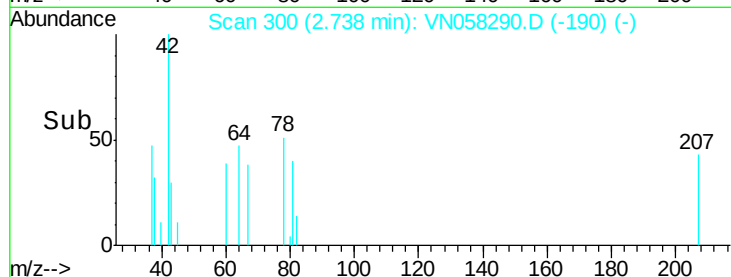
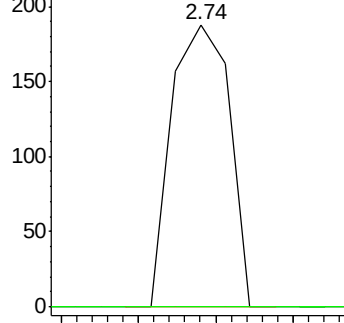
64 100

66 0.0 24.6 37.0#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#17

Carbon Disulfide

Concen: 0.317 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.01 min

Lab File: VN058290.D

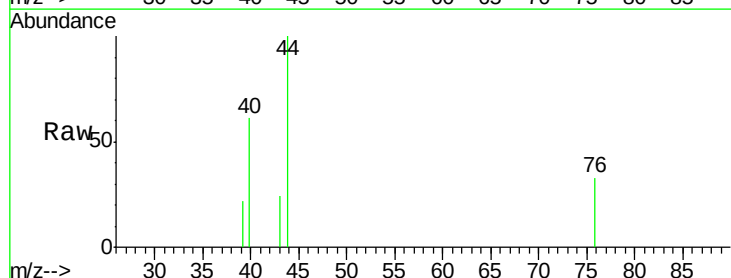
Acq: 23 Sep 2019 14:24

Tgt Ion: 76 Resp: 191

Ion Ratio Lower Upper

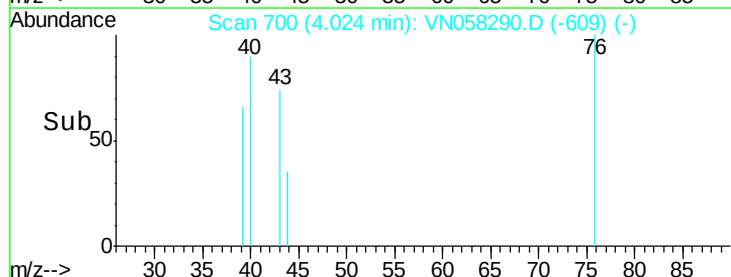
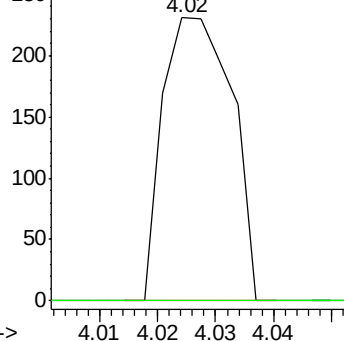
76 100

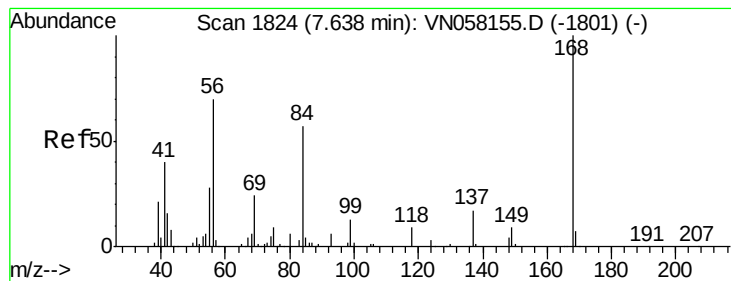
78 0.0 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#31

Cyclohexane

Concen: Below Cal

RT: 7.65 min Scan# 1829

Delta R.T. 0.02 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

984-S-4-(19)MEDL

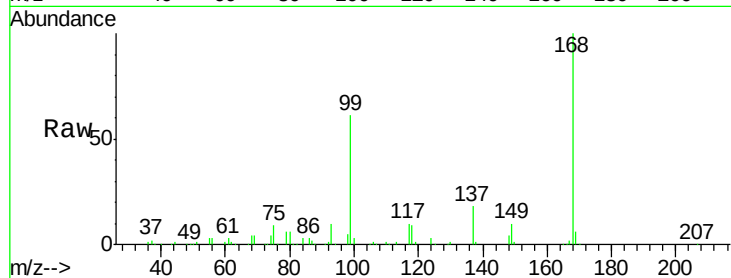
Tot Ion: 56 Resp: 12383

Ion Ratio Lower Upper

56 100

69 175.0 27.3 40.9#

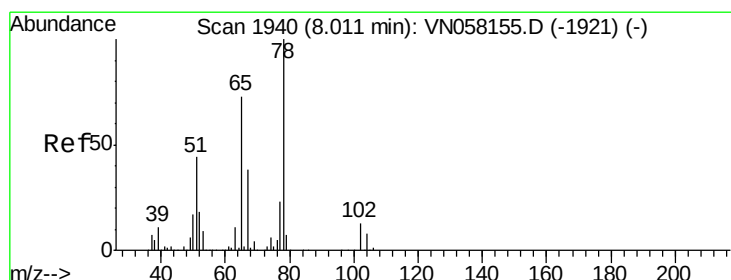
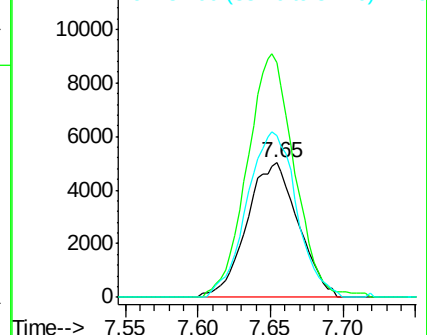
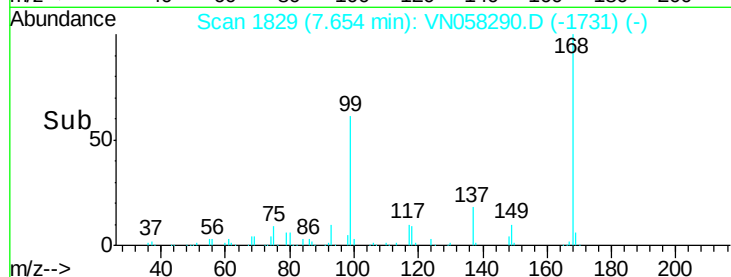
84 120.0 65.0 97.4#



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: 53.187 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058290.D

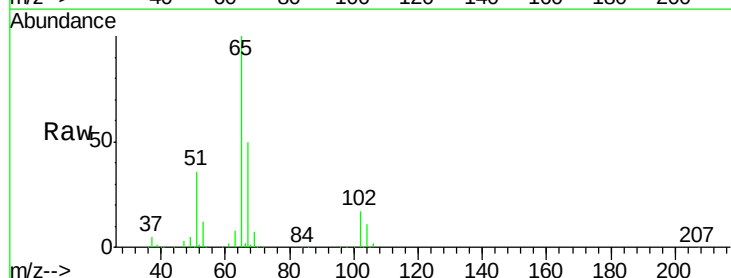
Acq: 23 Sep 2019 14:24

Tgt Ion: 65 Resp: 355867

Ion Ratio Lower Upper

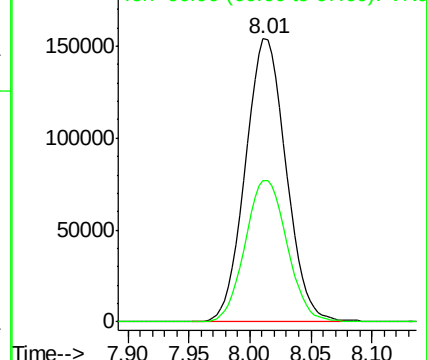
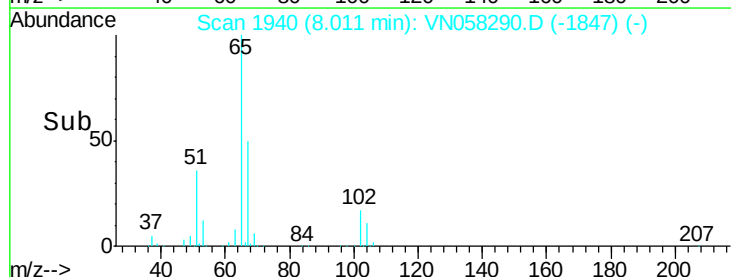
65 100

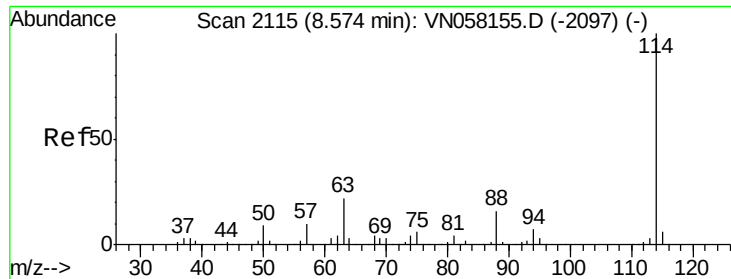
67 51.7 0.0 103.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

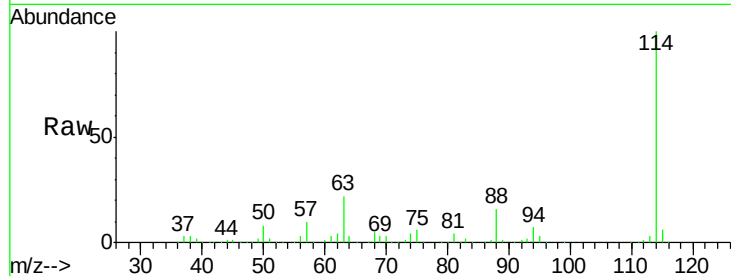




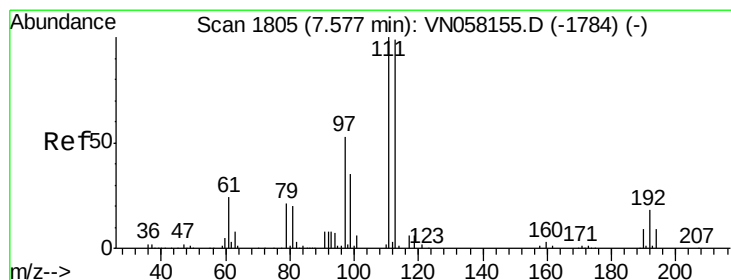
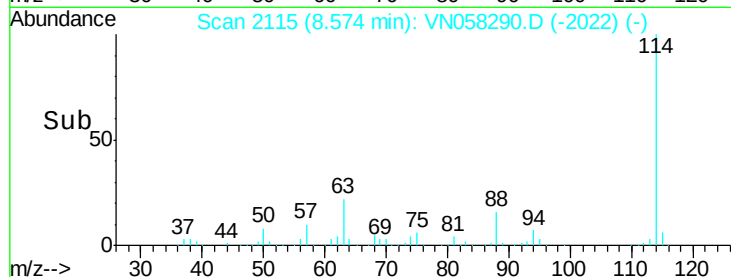
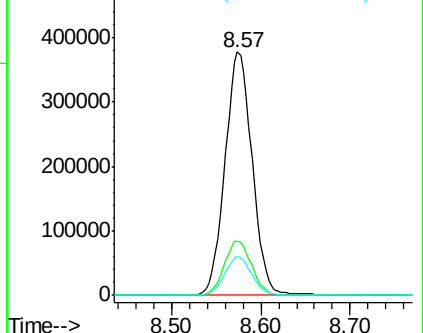
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

Instrument :
 MSVOA_N
 ClientSampleId :
 984-S-4-(19)MEDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.2
88	16.1	0.0	31.6

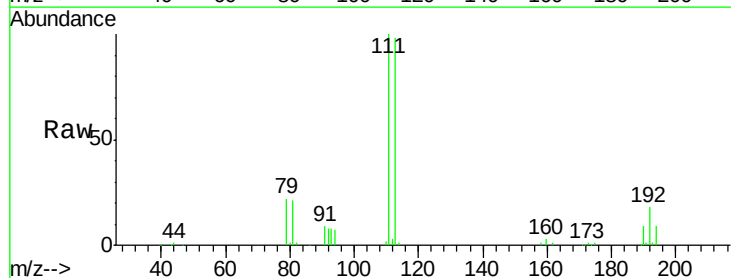


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

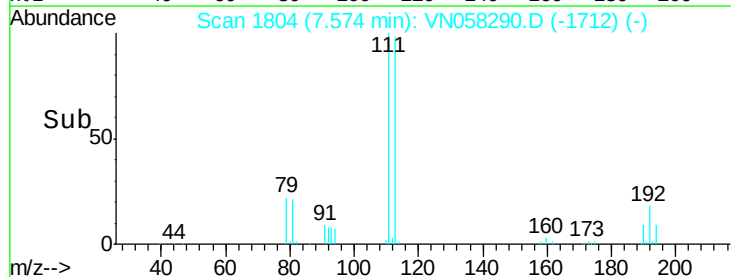
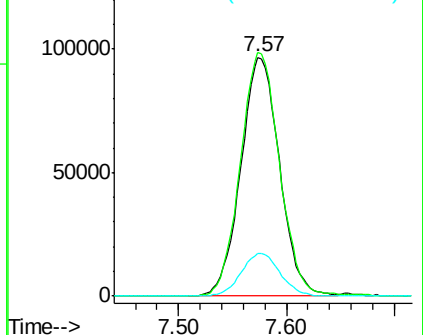


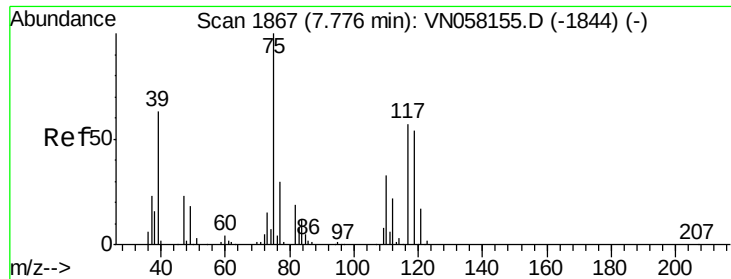
#35
 Dibromofluoromethane
 Concen: 49.835 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.8	122.6
192	18.0	14.5	21.7



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

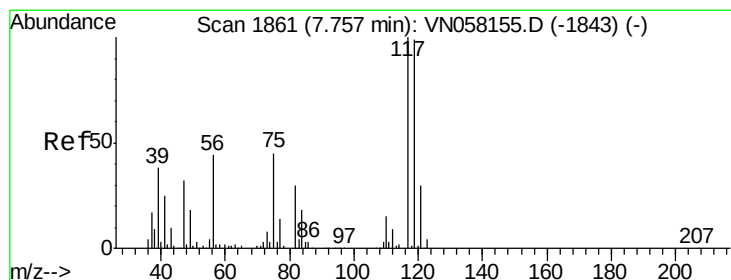
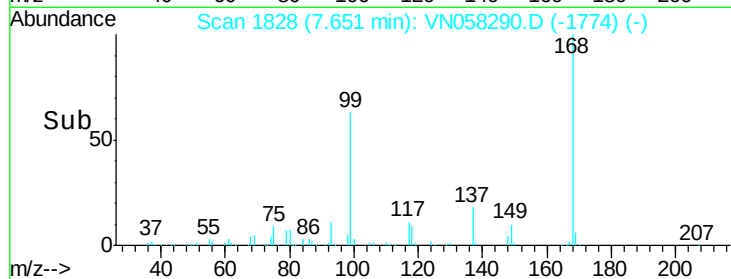
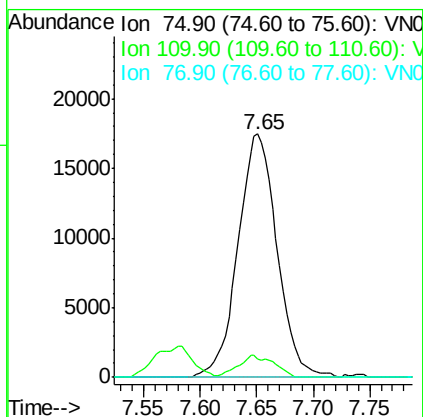
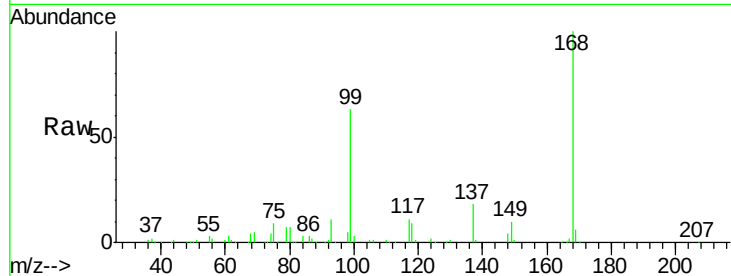




#36
 1,1-Dichloropropene
 Concen: 7.295 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

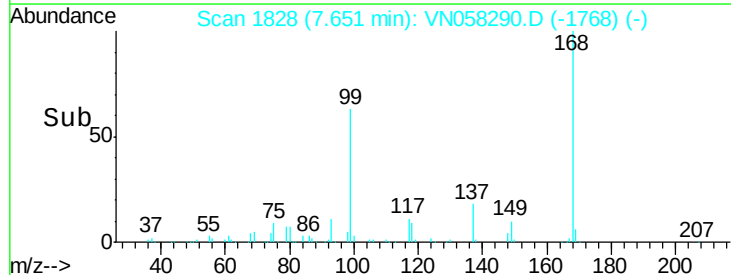
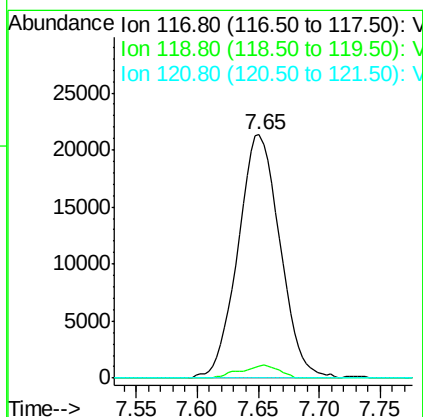
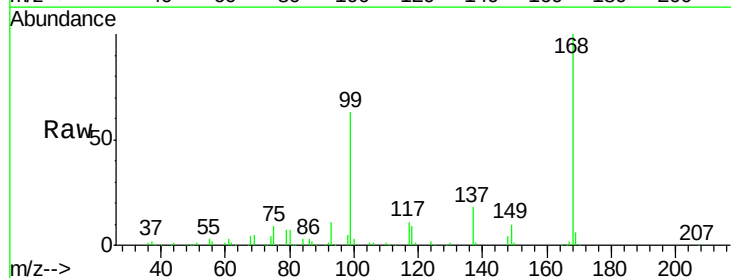
Instrument :
 MSVOA_N
 ClientSampleId :
 984-S-4-(19)MEDL

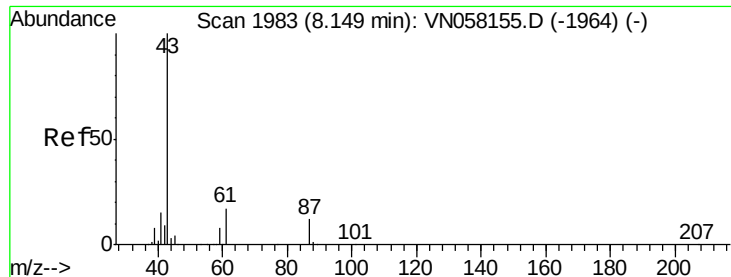
Tot Ion	75	Resp	41896
Ion Ratio	100	Lower	Upper
75	100		
110	8.3	16.6	49.7#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 8.808 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058290.D
 Acq: 23 Sep 2019 14:24

Tgt Ion	117	Resp	50854
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	4.9	78.6	117.8#
121	0.0	24.1	36.1#





#43

Isopropyl Acetate

Concen: 1.478 ug/l

RT: 8.27 min Scan# 2021

Delta R.T. 0.12 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

984-S-4-(19)MEDL

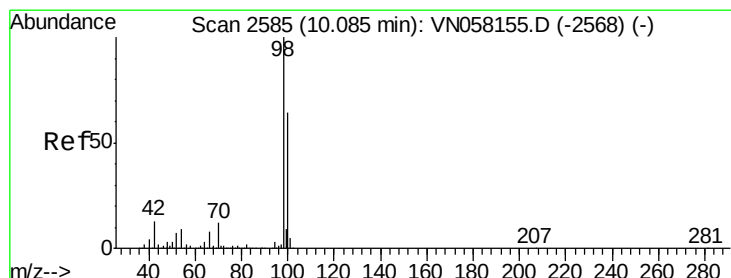
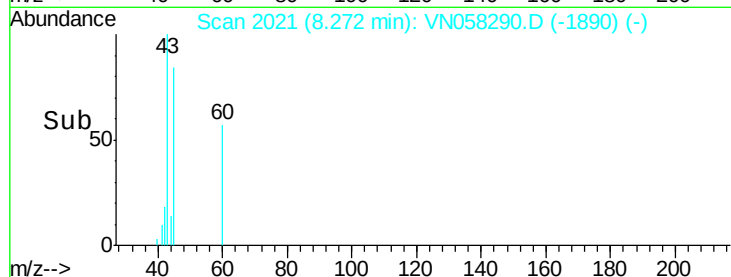
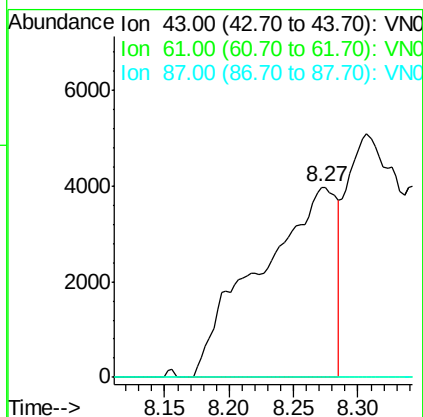
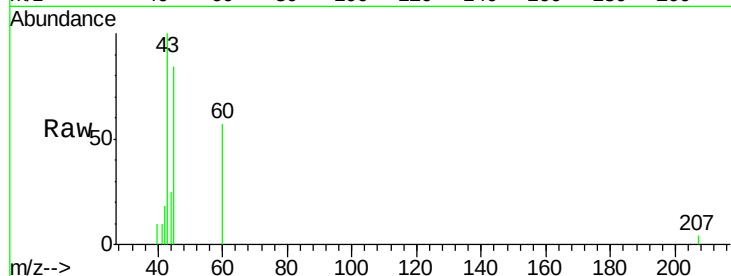
Tot Ion: 43 Resp: 16458

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

87 0.0 9.4 14.2#



#50

Toluene-d8

Concen: 52.845 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058290.D

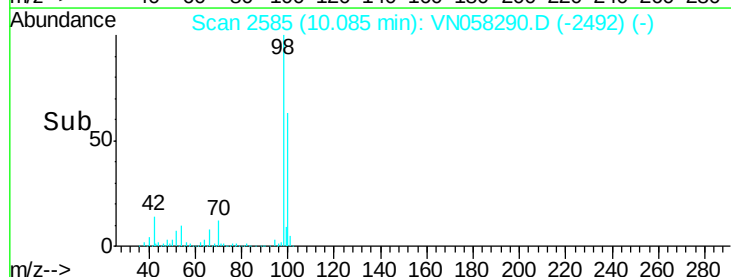
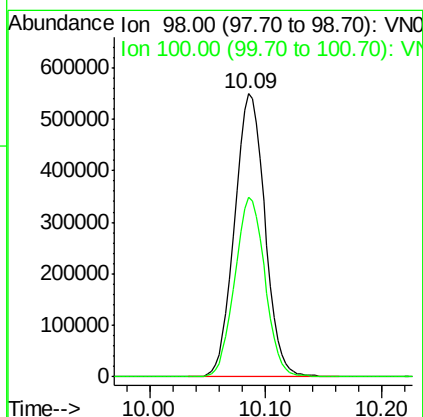
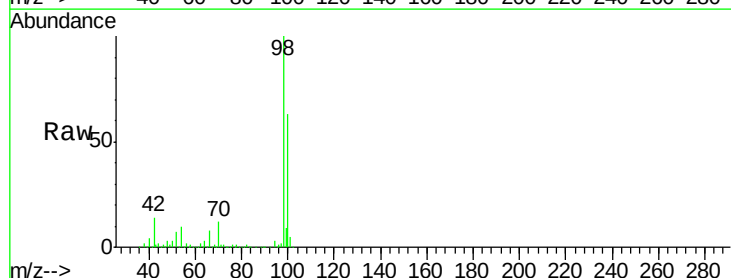
Acq: 23 Sep 2019 14:24

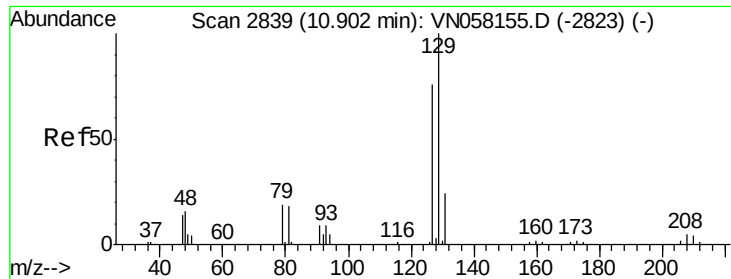
Tgt Ion: 98 Resp: 996864

Ion Ratio Lower Upper

98 100

100 63.0 51.1 76.7





#60

Dibromochloromethane

Concen: 10.405 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.27 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

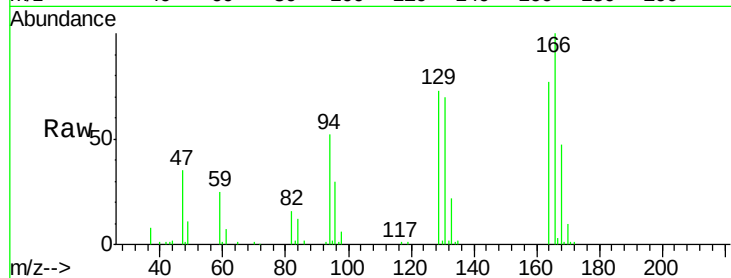
984-S-4-(19)MEDL

Tot Ion:129 Resp: 48837

Ion Ratio Lower Upper

129 100

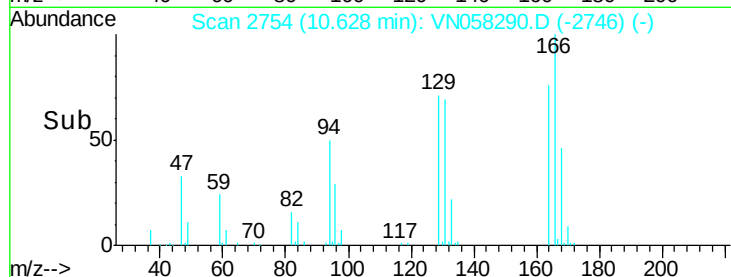
127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

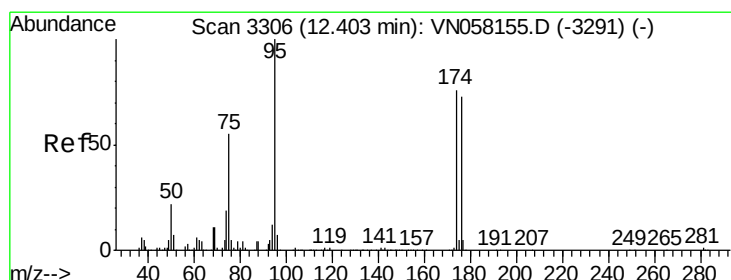
10.63



Abundance

10.63

Time-->



#62

4-Bromofluorobenzene

Concen: 46.230 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

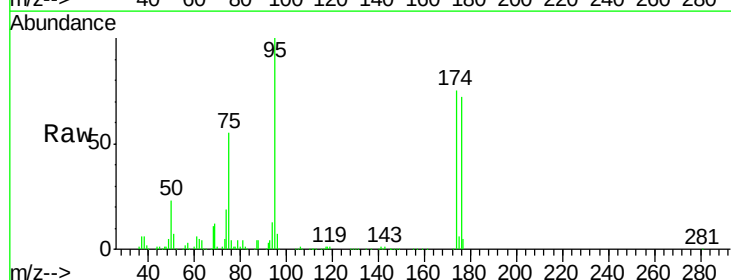
Tgt Ion: 95 Resp: 323940

Ion Ratio Lower Upper

95 100

174 74.3 0.0 152.2

176 71.9 0.0 148.0

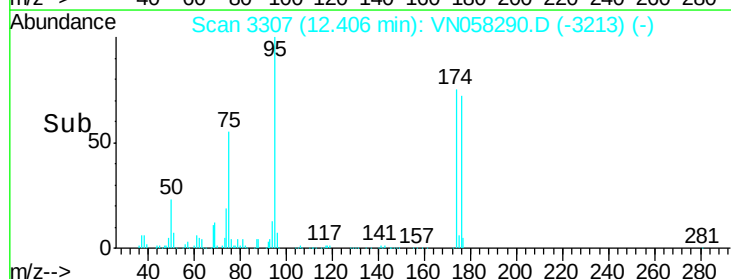


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

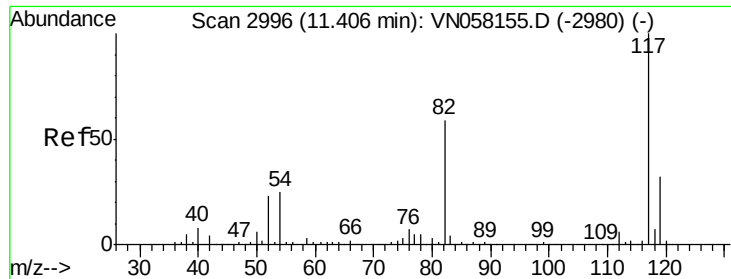
12.41



Abundance

12.41

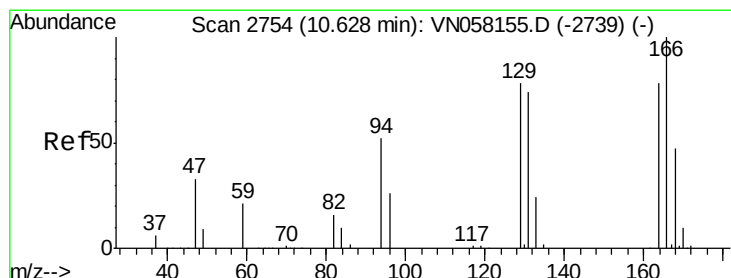
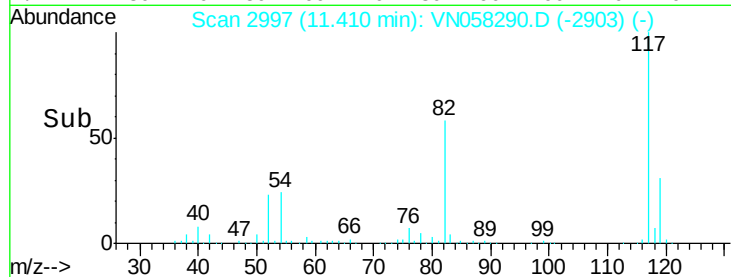
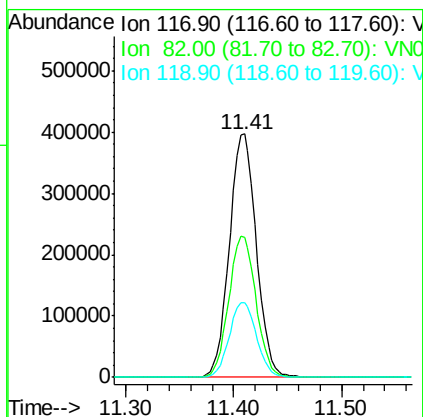
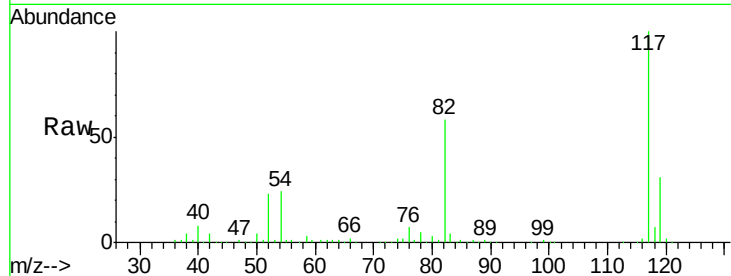
Time-->



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058290.D
Acq: 23 Sep 2019 14:24

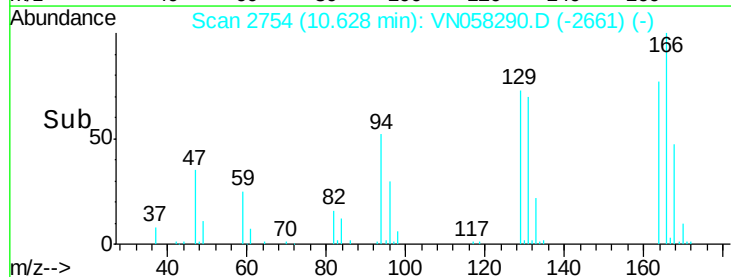
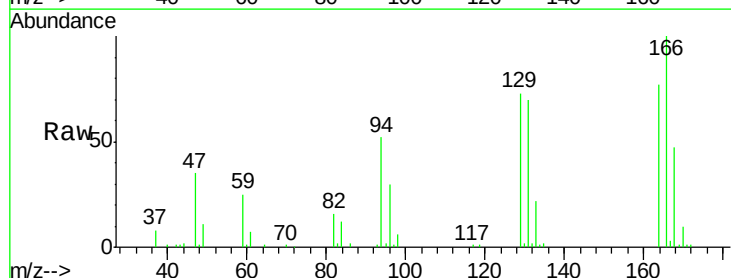
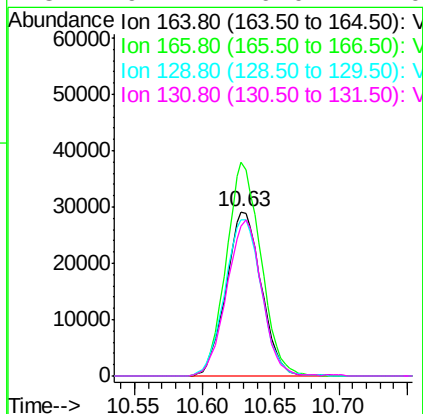
Instrument :
MSVOA_N
ClientSampleId :
984-S-4-(19)MEDL

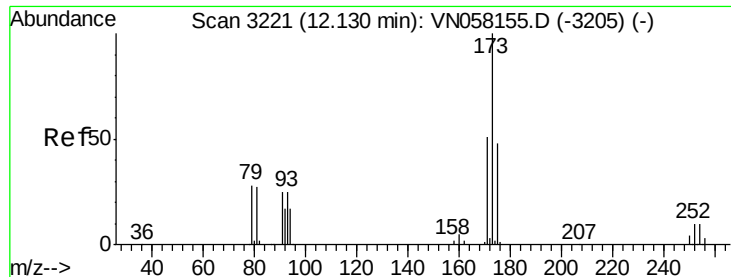
Tot Ion:117 Resp: 688082
Ion Ratio Lower Upper
117 100
82 57.6 46.9 70.3
119 30.8 25.3 37.9



#64
Tetrachloroethene
Concen: 15.633 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058290.D
Acq: 23 Sep 2019 14:24

Tgt Ion:164 Resp: 52438
Ion Ratio Lower Upper
164 100
166 129.9 102.2 153.4
129 95.3 79.6 119.4
131 91.2 76.0 114.0





#71

Bromoform

Concen: 3.679 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

984-S-4-(19)MEDL

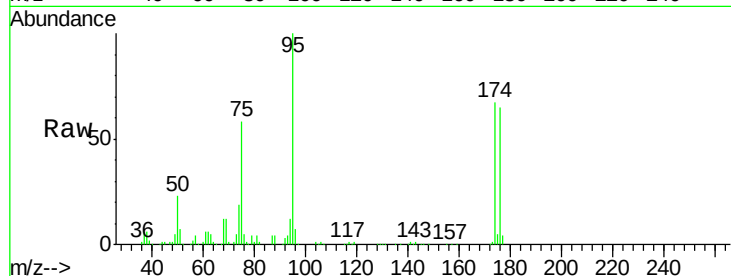
Tot Ion:173 Resp: 295

Ion Ratio Lower Upper

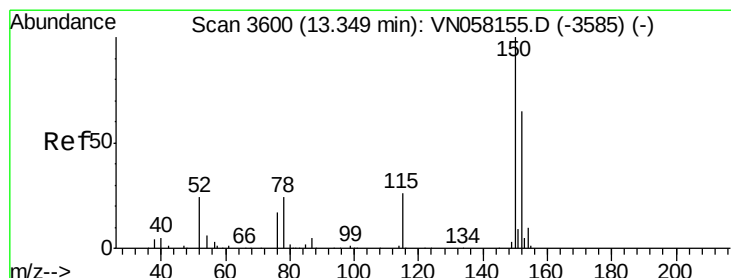
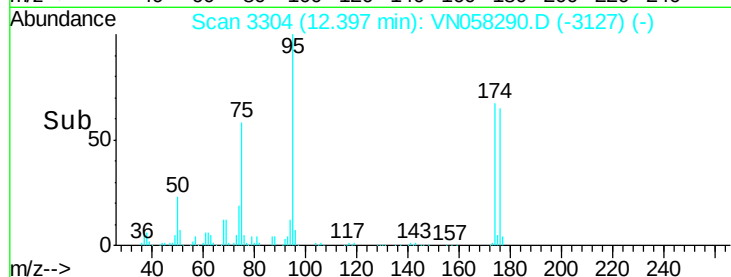
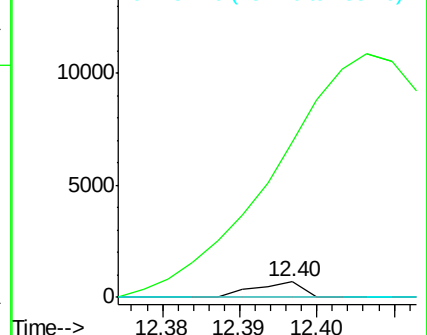
173 100

175 5104.7 24.2 72.6#

254 0.0 0.1 0.1#



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# 3601

Delta R.T. 0.00 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

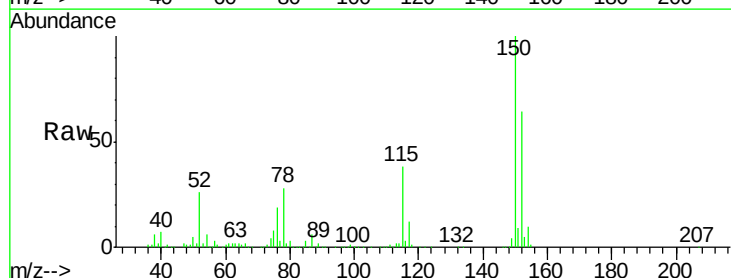
Tgt Ion:152 Resp: 287656

Ion Ratio Lower Upper

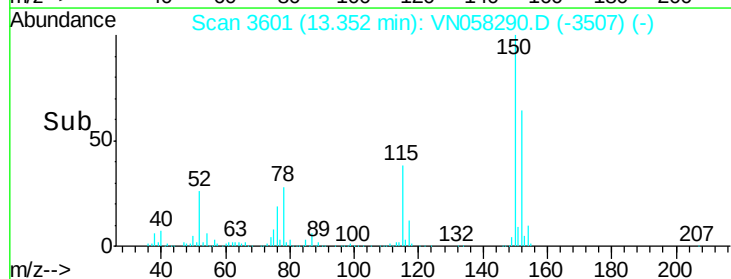
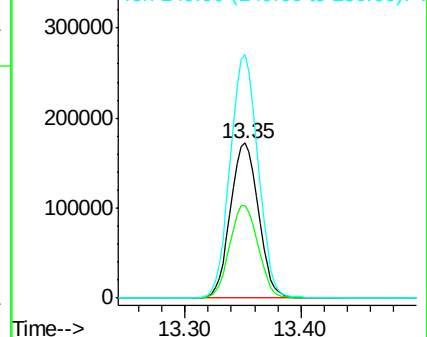
152 100

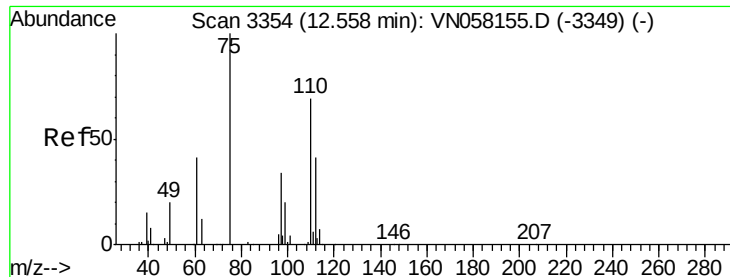
115 60.8 30.1 90.3

150 155.9 0.0 346.4



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: 34.744 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

Instrument :

MSVOA_N

ClientSampleId :

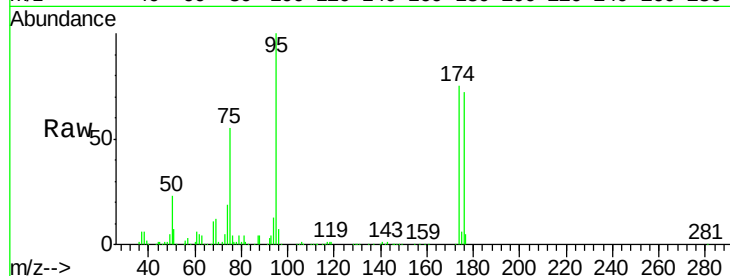
984-S-4-(19)MEDL

Tot Ion: 75 Resp: 178868

Ion Ratio Lower Upper

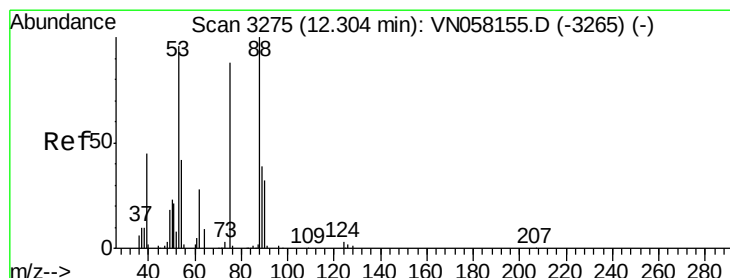
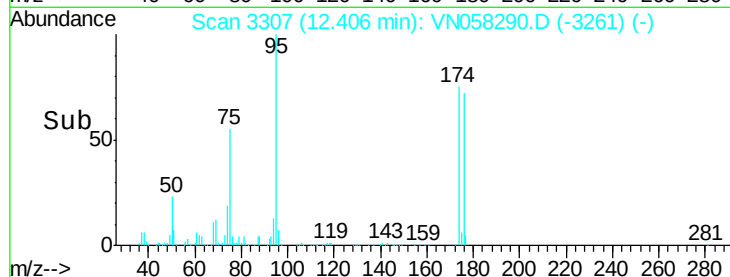
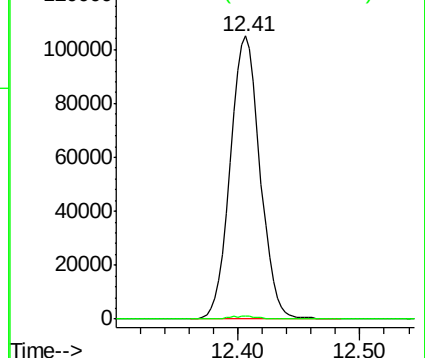
75 100

77 1.0 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: 97.234 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058290.D

Acq: 23 Sep 2019 14:24

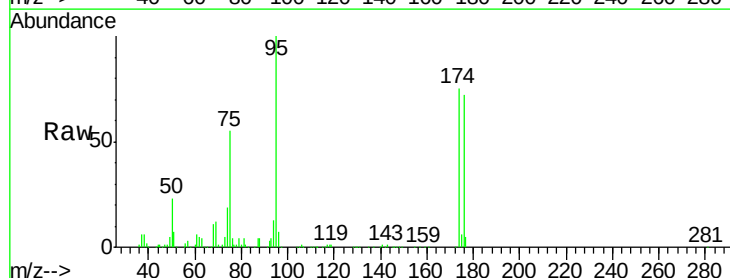
Tgt Ion: 75 Resp: 178868

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 36.2 54.2#



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

