

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
 Data File : VN058985.D
 Acq On : 28 Oct 2019 10:31
 Operator : JC/SP
 Sample : VN1028MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 29 19:30:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	374998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	595032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	507470	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	171972	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	271438	49.35	ug/l	0.00
Spiked Amount			Recovery	=	98.70%	
35) Dibromofluoromethane	7.57	113	197054	50.37	ug/l	0.00
Spiked Amount			Recovery	=	100.74%	
50) Toluene-d8	10.08	98	753259	49.60	ug/l	0.00
Spiked Amount			Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	224668	40.29	ug/l	0.00
Spiked Amount			Recovery	=	80.58%	

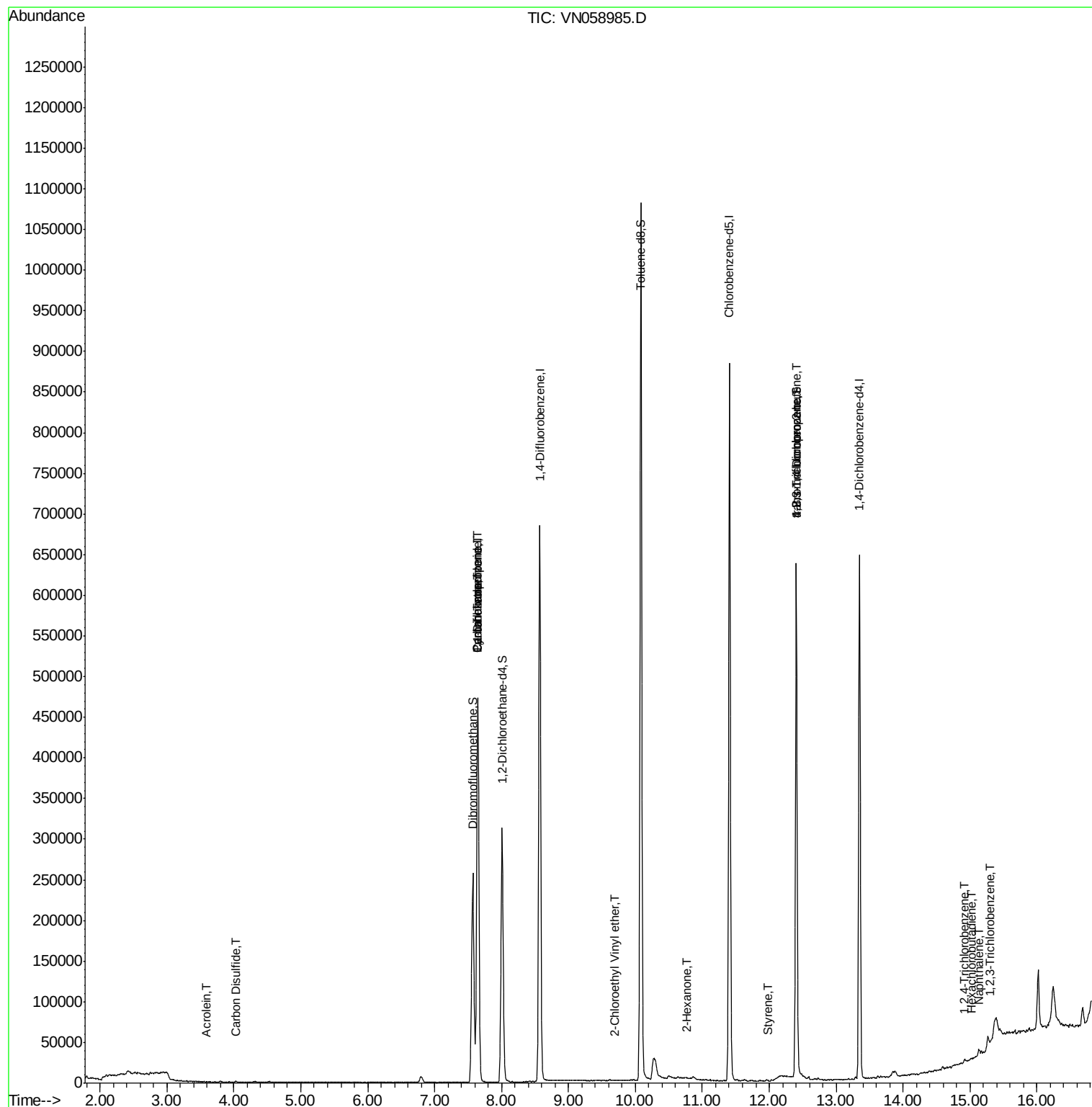
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	169	0.269	ug/l #	14
17) Carbon Disulfide	4.03	76	2727	0.229	ug/l #	75
31) Cyclohexane	7.65	56	8655	1.095	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	29857	4.901	ug/l #	52
38) Carbon Tetrachloride	7.65	117	36722	5.851	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.69	63	30	5.673	ug/l #	50
59) 2-Hexanone	10.75	43	1643	0.342	ug/l	70
70) Styrene	11.97	104	467	1.752	ug/l #	24
76) 1,2,3-Trichloropropane	12.40	75	116518	29.234	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	116518	76.158	ug/l #	10
93) 1,2,4-Trichlorobenzene	14.91	180	1217	2.858	ug/l	85
94) Hexachlorobutadiene	15.01	225	425	0.241	ug/l #	45
95) Naphthalene	15.13	128	4382	2.650	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1731	2.888	ug/l	94

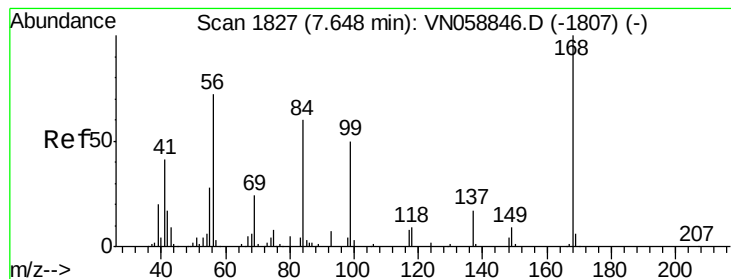
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102819\NOT REVIEWED DATA\
Data File : VN058985.D
Acq On : 28 Oct 2019 10:31
Operator : JC/SP
Sample : VN1028MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 29 19:30:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 19 00:16:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN058985.D

Acq: 28 Oct 2019 10:31

Instrument :

MSVOA_N

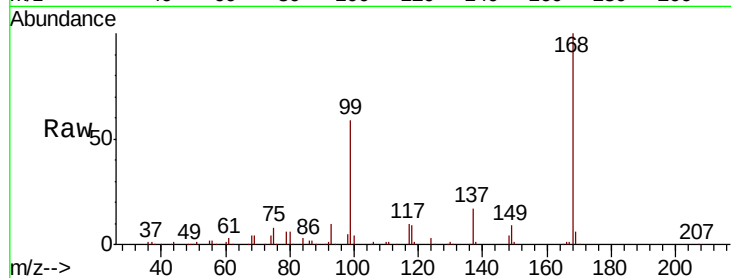
ClientSampleId :

Tot Ion:168 Resp: 374998

Ion Ratio Lower Upper

168 100

99 59.4 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

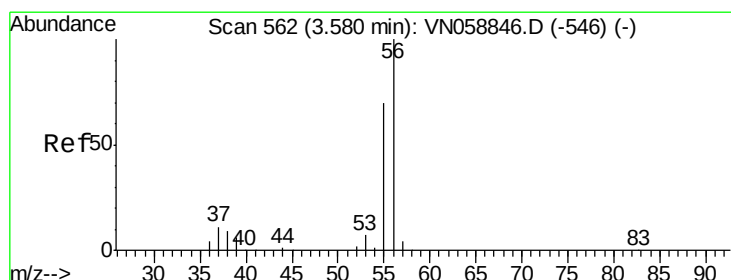
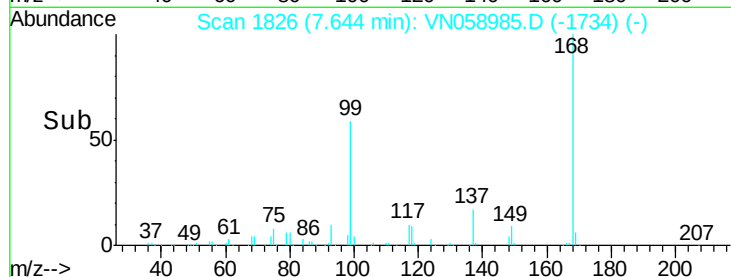
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#13

Acrolein

Concen: 0.269 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.02 min

Lab File: VN058985.D

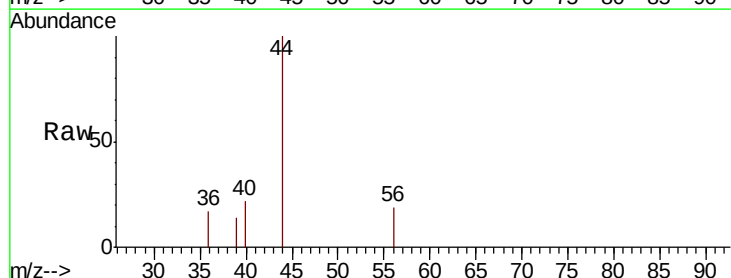
Acq: 28 Oct 2019 10:31

Tgt Ion: 56 Resp: 169

Ion Ratio Lower Upper

56 100

55 0.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 55.00 (54.70 to 55.70): VN

3.60

200

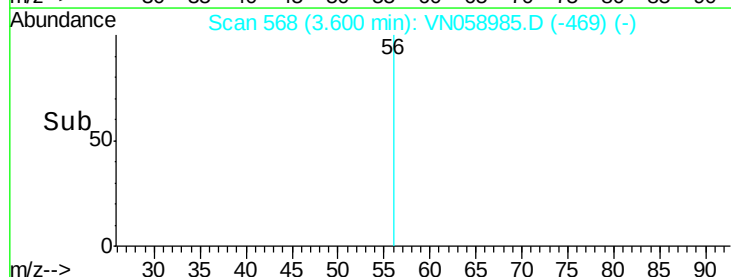
150

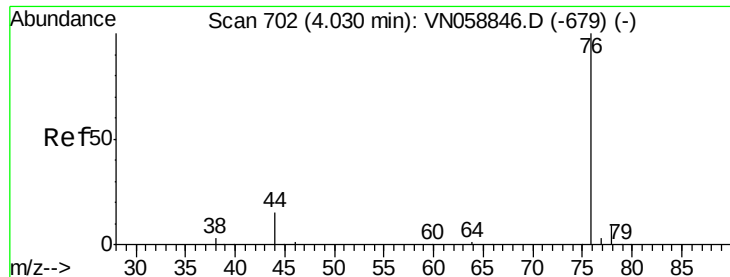
100

50

0

Time--> 3.58 3.59 3.60 3.61 3.62

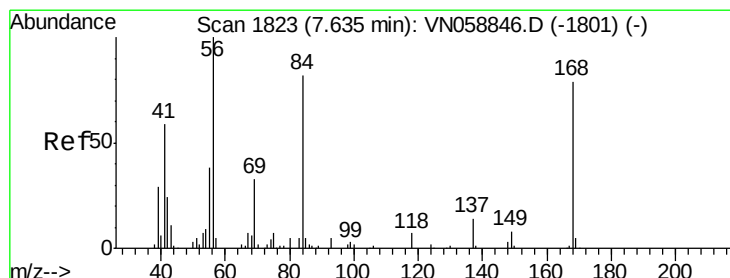
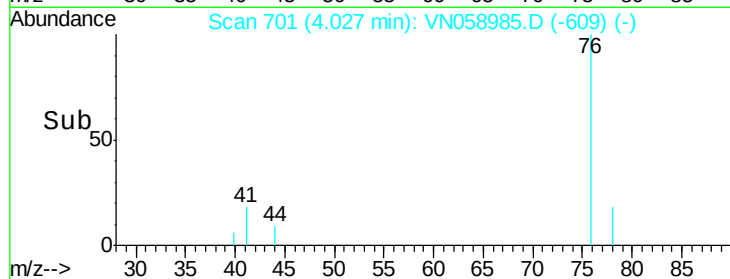
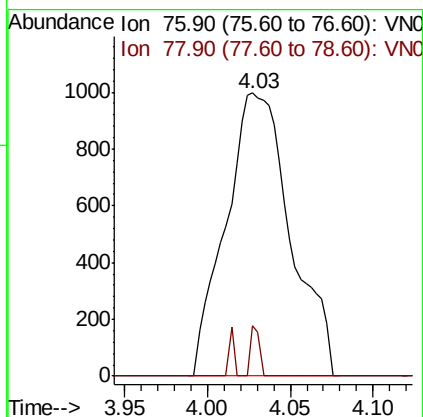
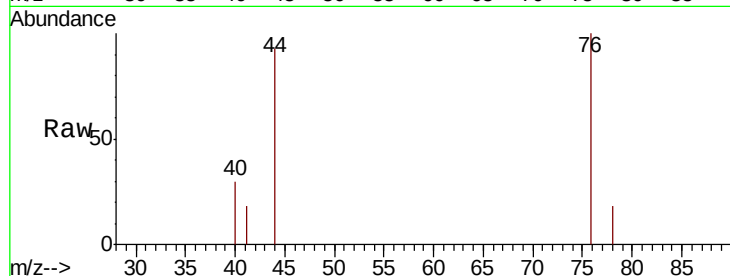




#17
Carbon Disulfide
Concen: 0.229 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN058985.D
Acq: 28 Oct 2019 10:31

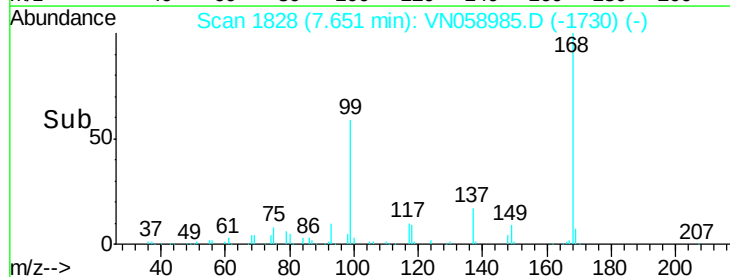
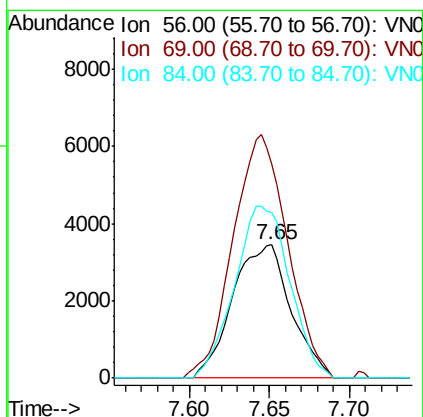
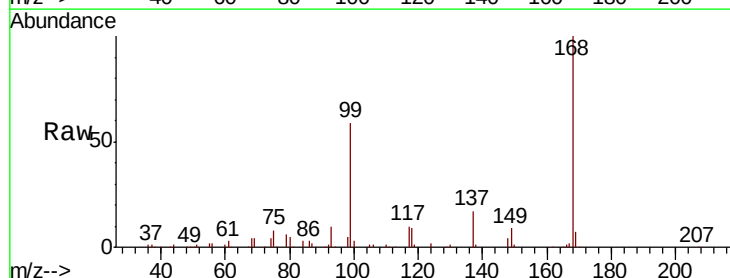
Instrument :
MSVOA_N
ClientSampled :

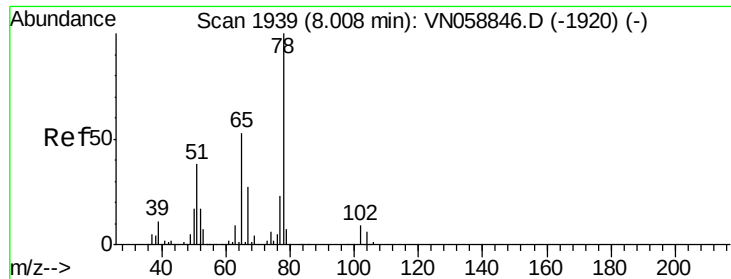
Tot Ion: 76 Resp: 2727
Ion Ratio Lower Upper
76 100
78 17.8 7.1 10.7#



#31
Cyclohexane
Concen: 1.095 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN058985.D
Acq: 28 Oct 2019 10:31

Tgt Ion: 56 Resp: 8655
Ion Ratio Lower Upper
56 100
69 161.1 26.2 39.4#
84 124.4 65.6 98.4#

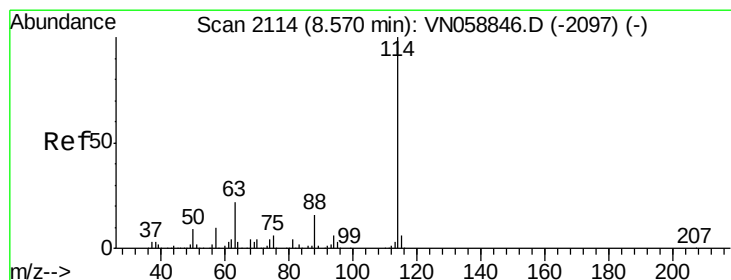
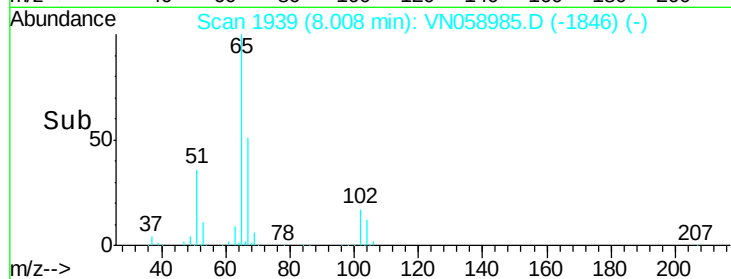
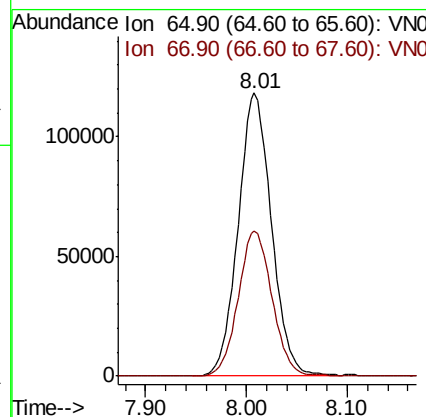
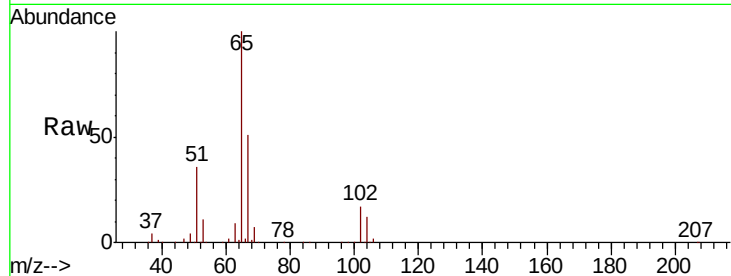




#33
 1,2-Dichloroethane-d4
 Concen: 49.353 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN058985.D
 Acq: 28 Oct 2019 10:31

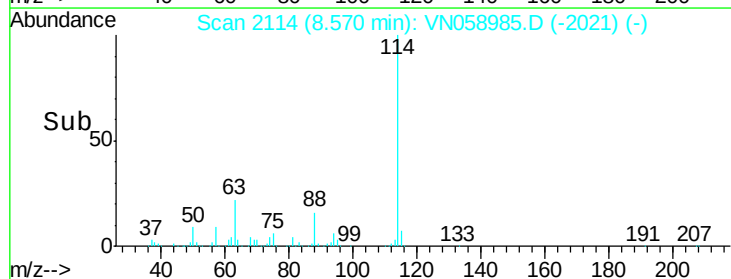
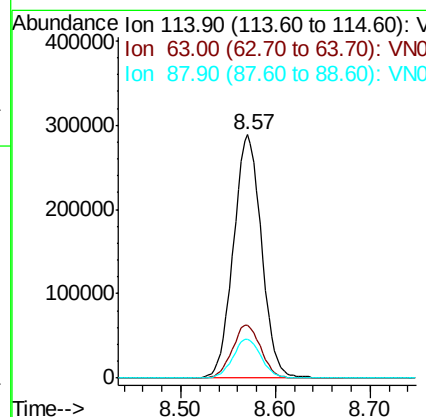
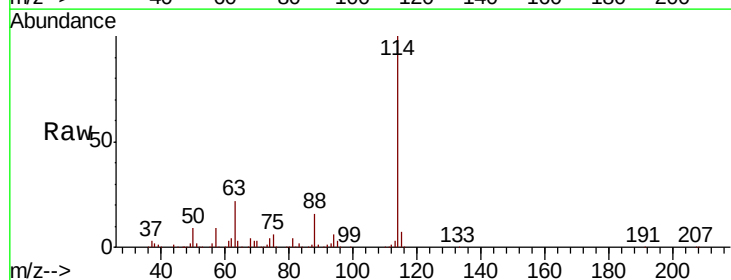
Instrument :
 MSVOA_N
 ClientSampled :

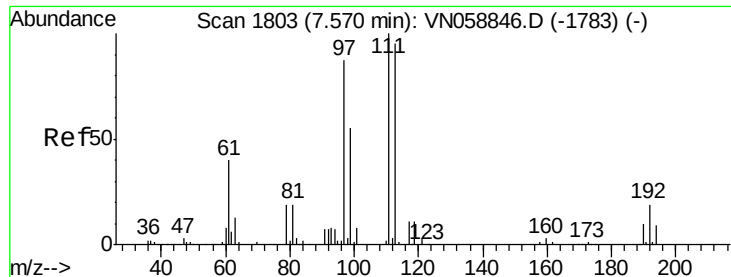
Tot Ion: 65 Resp: 271438
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN058985.D
 Acq: 28 Oct 2019 10:31

Tgt Ion: 114 Resp: 595032
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.4
 88 16.1 0.0 31.4

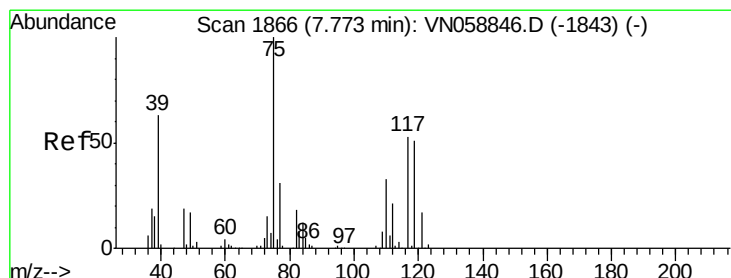
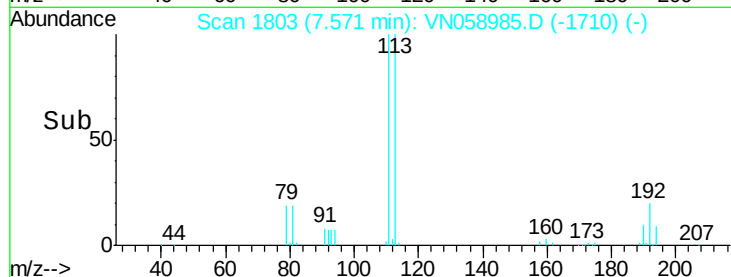
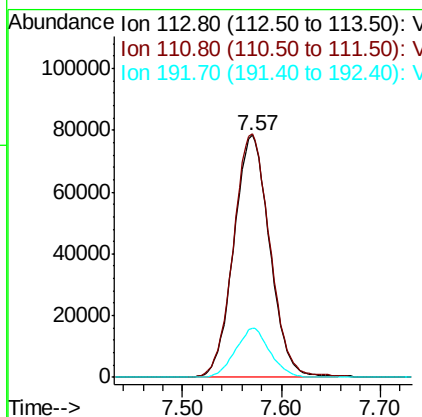
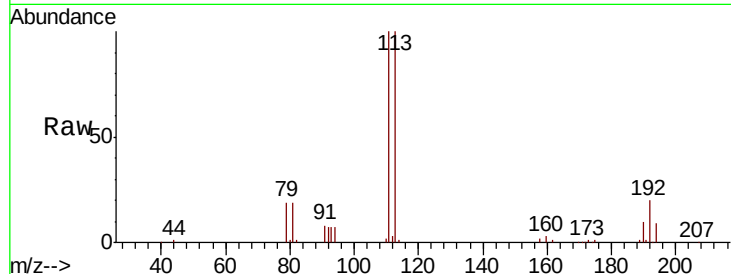




#35
Dibromofluoromethane
Concen: 50.369 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN058985.D
Acq: 28 Oct 2019 10:31

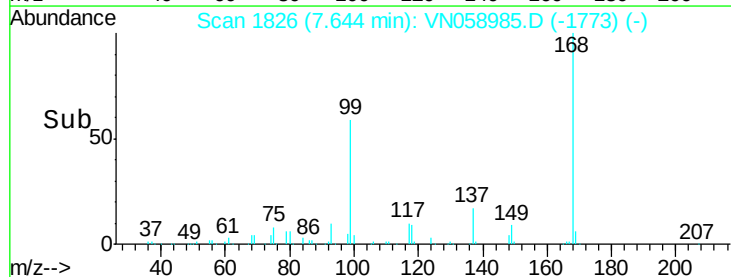
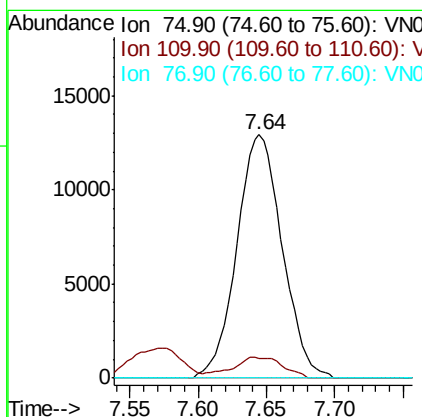
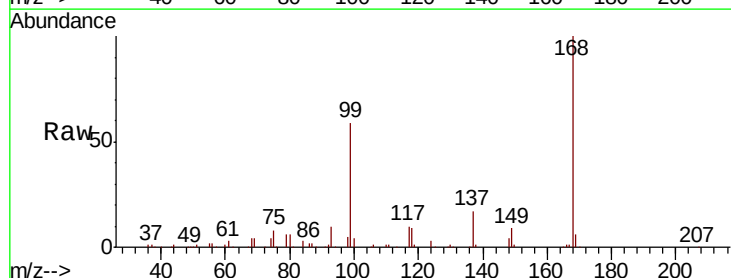
Instrument :
MSVOA_N
ClientSampleId :

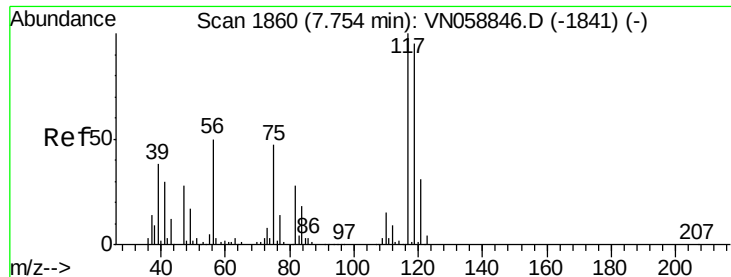
Tot Ion:113 Resp: 197054
Ion Ratio Lower Upper
113 100
111 102.5 82.0 123.0
192 19.5 15.0 22.6



#36
1,1-Dichloropropene
Concen: 4.901 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.13 min
Lab File: VN058985.D
Acq: 28 Oct 2019 10:31

Tgt Ion: 75 Resp: 29857
Ion Ratio Lower Upper
75 100
110 9.4 16.3 48.9#
77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.851 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058985.D

Acq: 28 Oct 2019 10:31

Instrument :

MSVOA_N

ClientSampled :

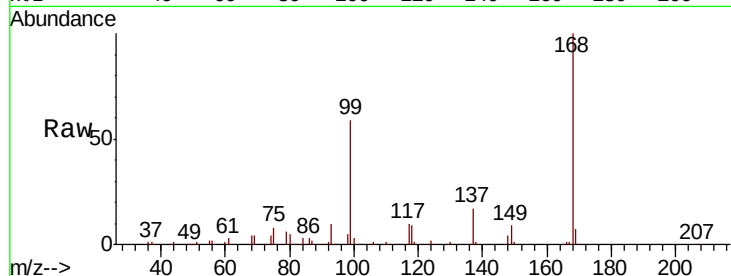
Tot Ion:117 Resp: 36722

Ion Ratio Lower Upper

117 100

119 7.4 75.7 113.5#

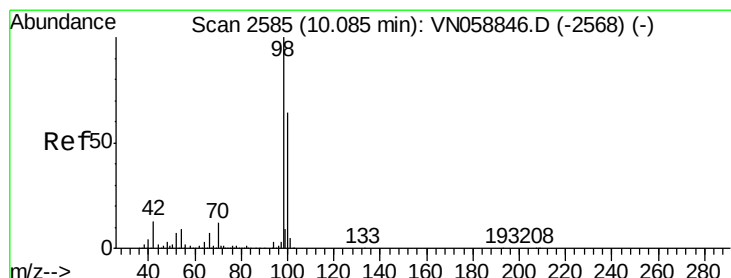
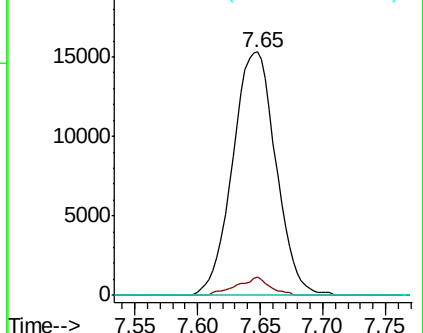
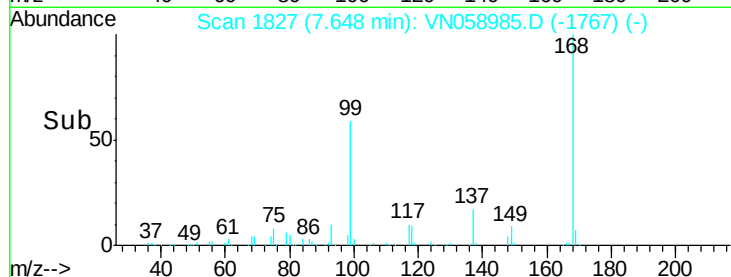
121 0.0 25.0 37.6#



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: 49.600 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN058985.D

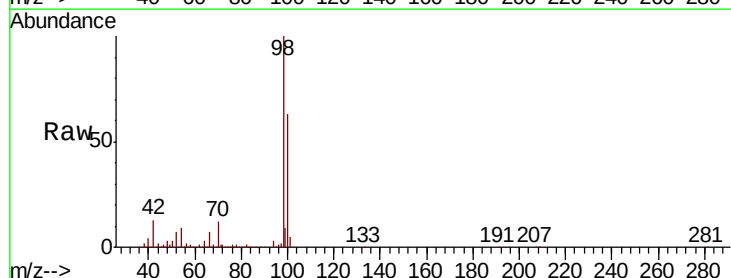
Acq: 28 Oct 2019 10:31

Tgt Ion: 98 Resp: 753259

Ion Ratio Lower Upper

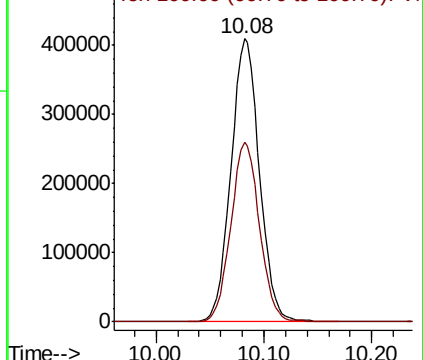
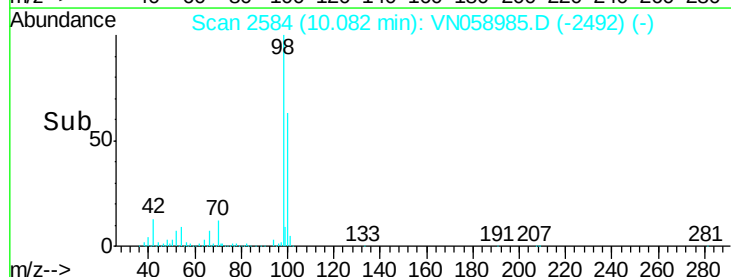
98 100

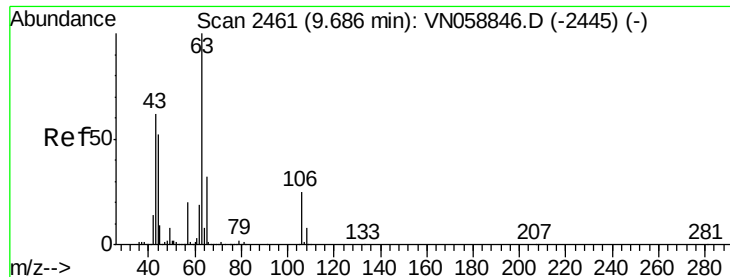
100 64.0 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#58

2-Chloroethyl Vinyl ether

Concen: 5.673 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.01 min

Lab File: VN058985.D

Acq: 28 Oct 2019 10:31

Instrument :

MSVOA_N

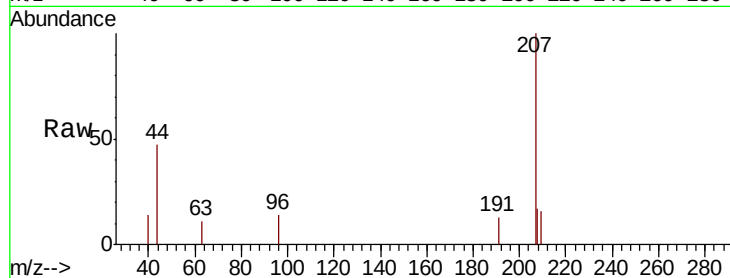
ClientSampled :

Tot Ion: 63 Resp: 30

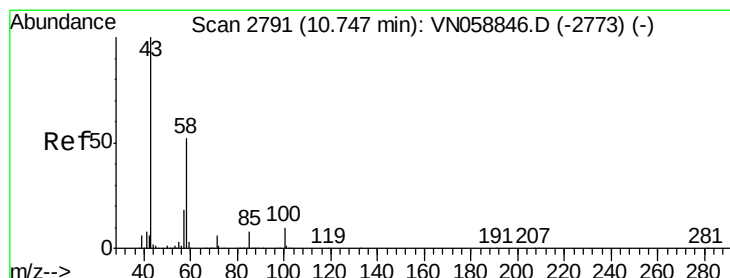
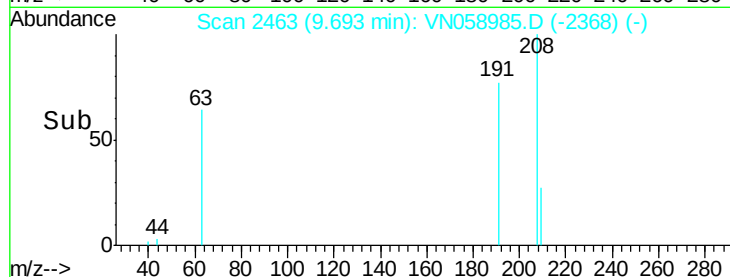
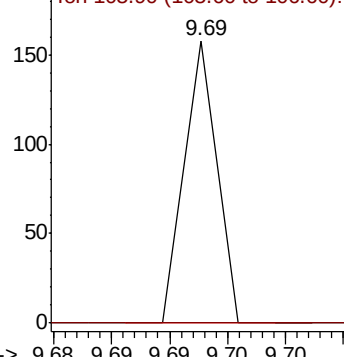
Ion Ratio Lower Upper

63 100

106 0.0 19.8 29.8#



Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-2445) (-)



#59

2-Hexanone

Concen: 0.342 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN058985.D

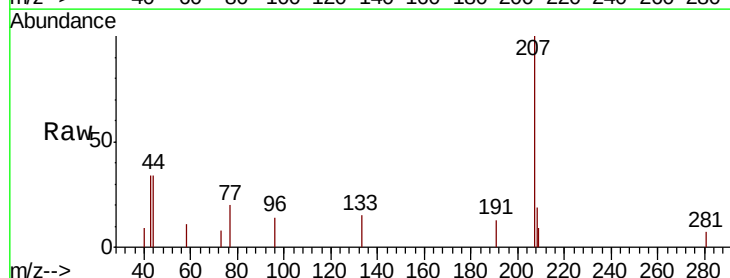
Acq: 28 Oct 2019 10:31

Tgt Ion: 43 Resp: 1643

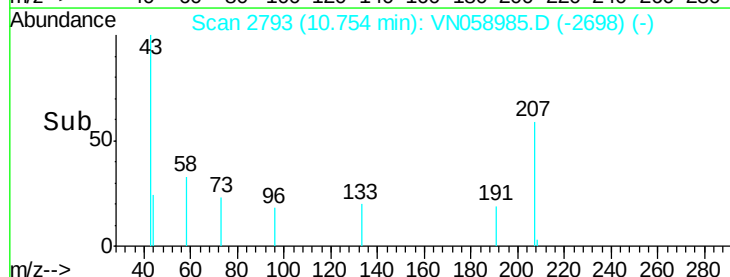
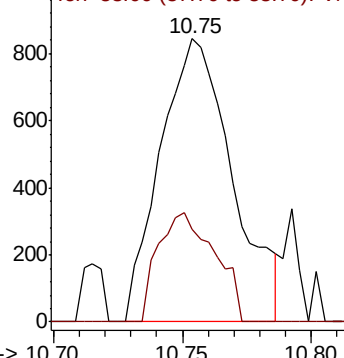
Ion Ratio Lower Upper

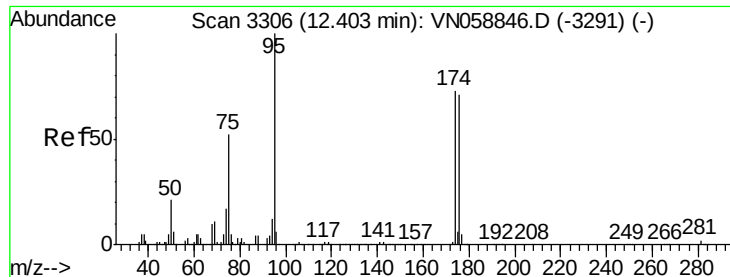
43 100

58 30.4 25.9 77.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2773) (-)

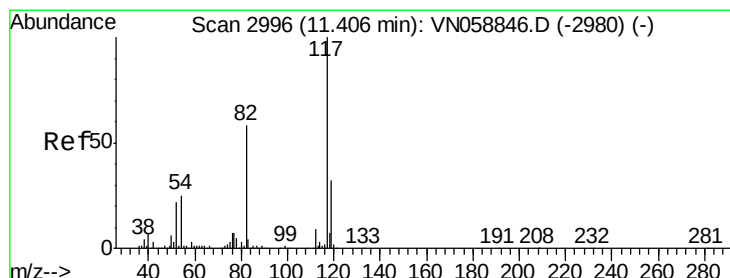
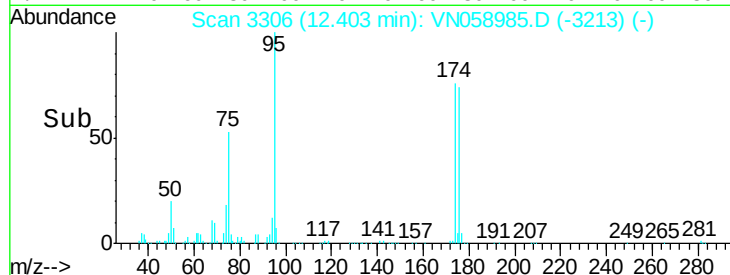
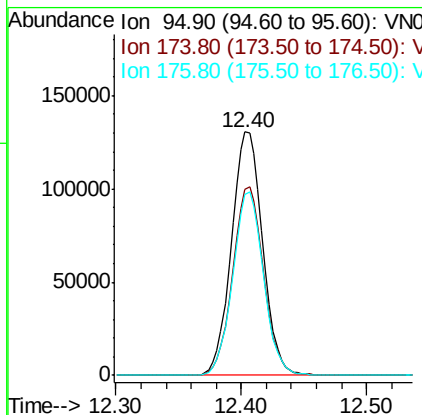
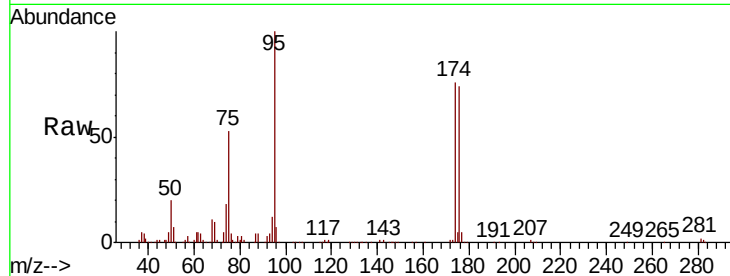




#62
4-Bromofluorobenzene
Concen: 40.285 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058985.D
Acq: 28 Oct 2019 10:31

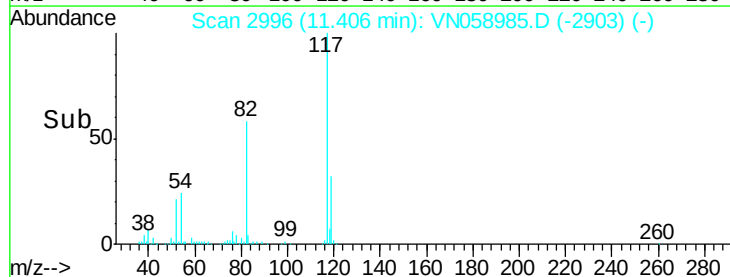
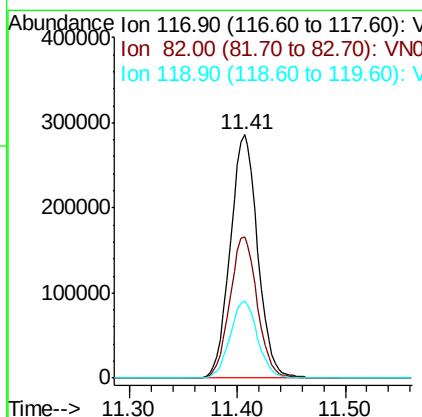
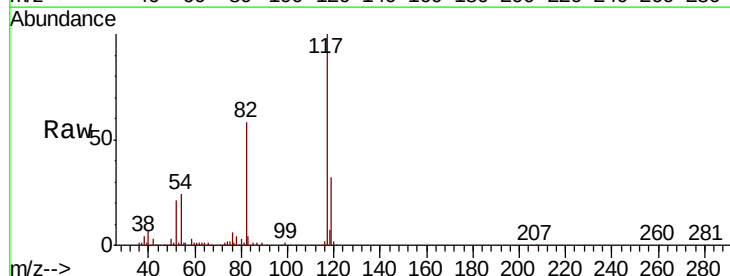
Instrument :
MSVOA_N
ClientSampleId :

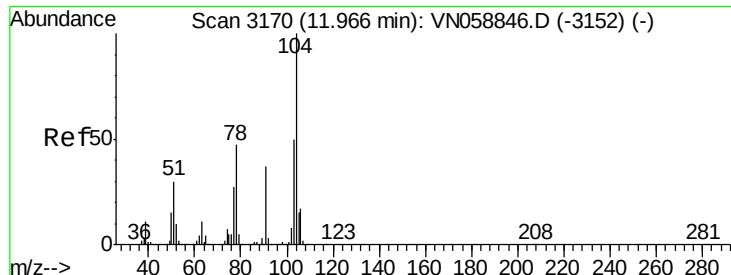
Tot Ion	95	Resp	224668
Ion Ratio	100		
174	76.7	0.0	147.6
176	74.4	0.0	143.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058985.D
Acq: 28 Oct 2019 10:31

Tgt Ion	117	Resp	507470
Ion Ratio	100		
82	58.0	46.6	69.8
119	31.6	25.6	38.4

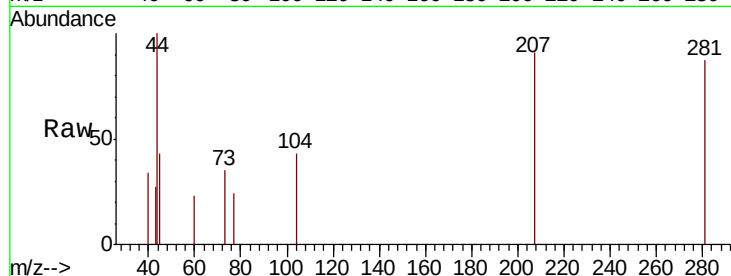




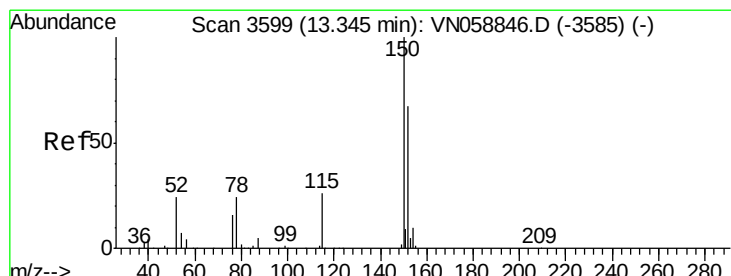
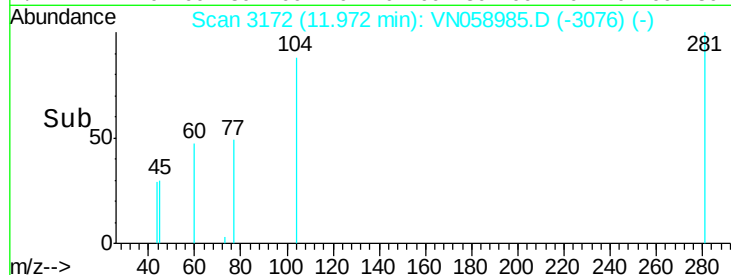
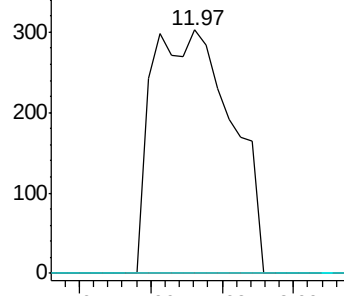
#70
Stvrene
Concen: 1.752 ug/l
RT: 11.97 min Scan# 3172
Delta R.T. 0.01 min
Lab File: VN058985.D
Acq: 28 Oct 2019 10:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
104	100		
78	0.0	42.8	64.2#
103	0.0	44.3	66.5#

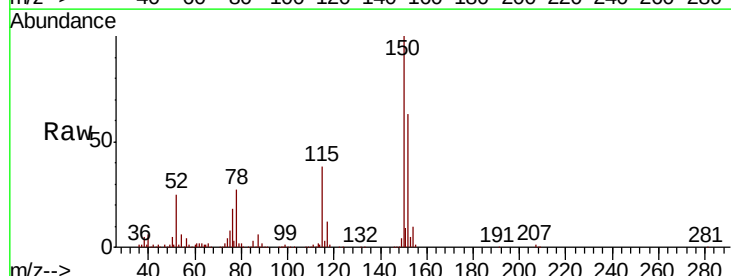


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

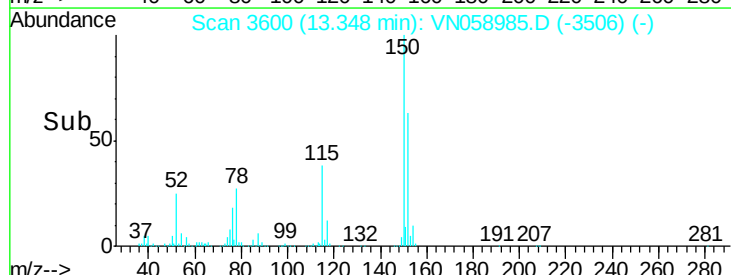
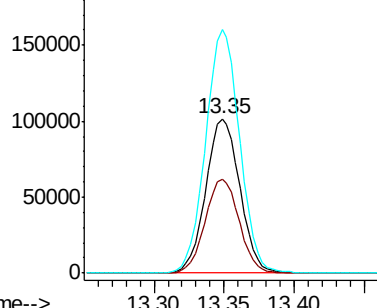


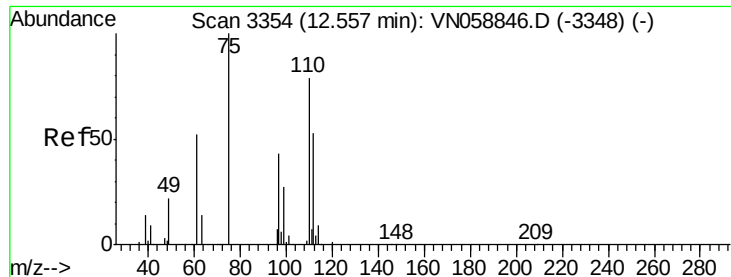
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058985.D
Acq: 28 Oct 2019 10:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.0	30.5	91.5
150	157.5	0.0	344.4



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: 29.234 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058985.D

Acq: 28 Oct 2019 10:31

Instrument :

MSVOA_N

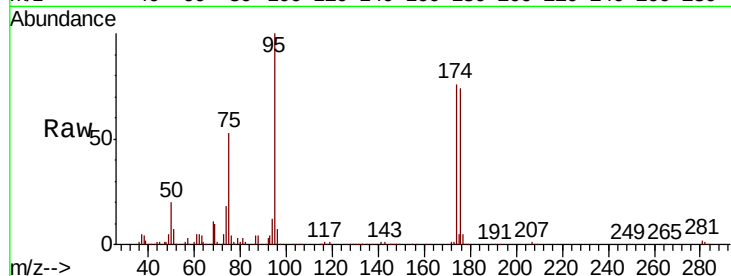
ClientSampleId :

Tot Ion: 75 Resp: 116518

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

80000

60000

40000

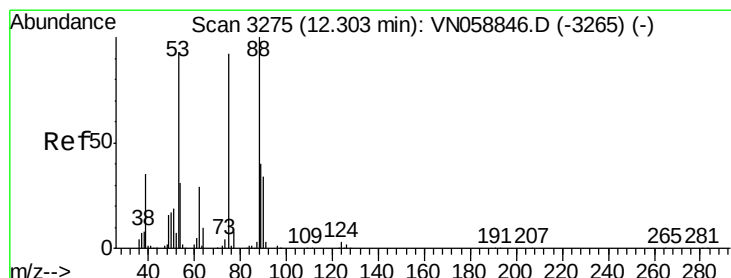
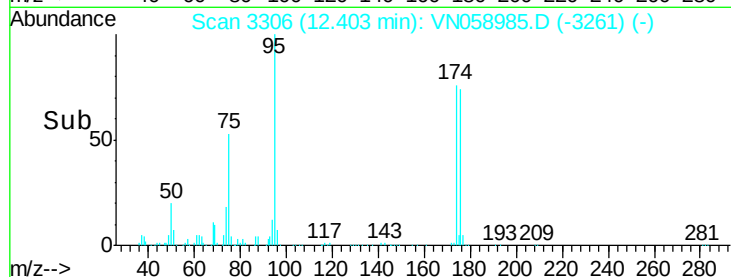
20000

0

Time-->

12.40

12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 76.158 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058985.D

Acq: 28 Oct 2019 10:31

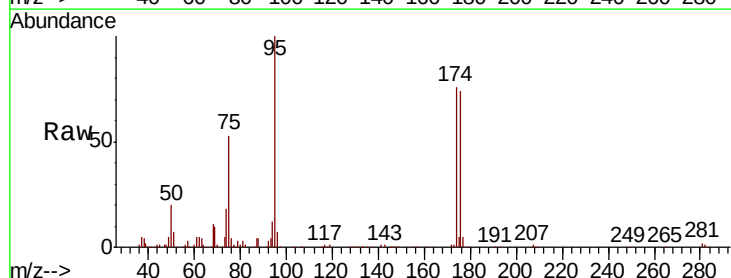
Tgt Ion: 75 Resp: 116518

Ion Ratio Lower Upper

75 100

53 0.1 78.6 118.0#

89 0.0 35.4 53.0#



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

12.40

80000

60000

40000

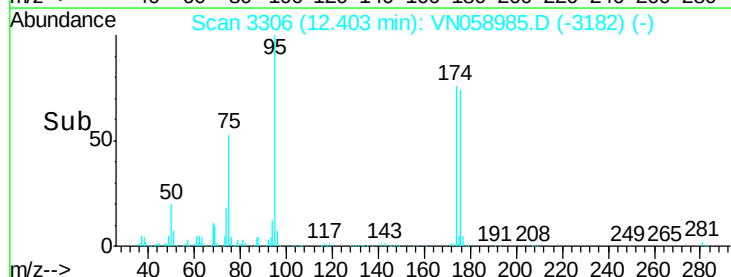
20000

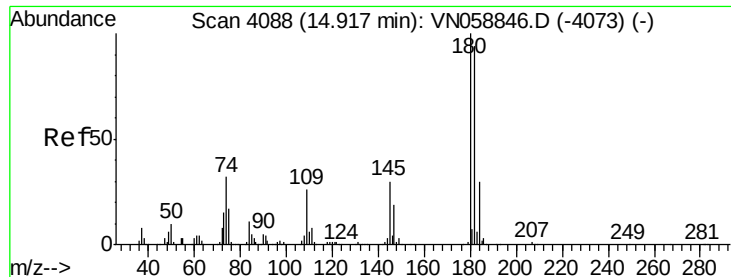
0

Time-->

12.40

12.50

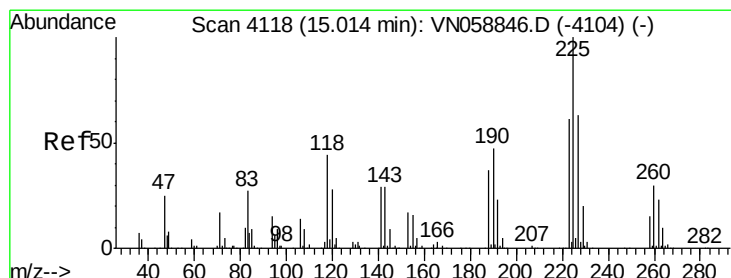
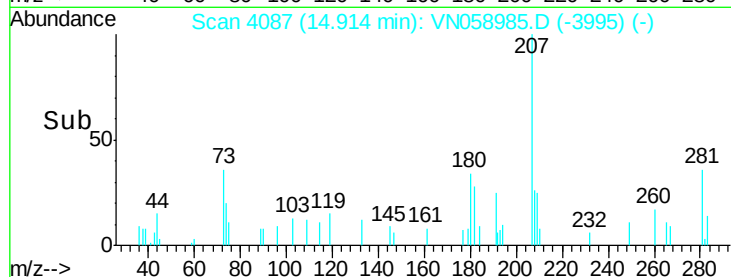
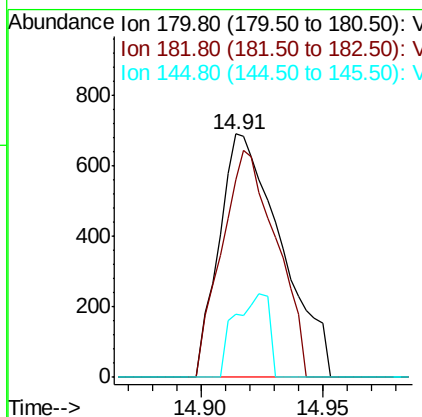
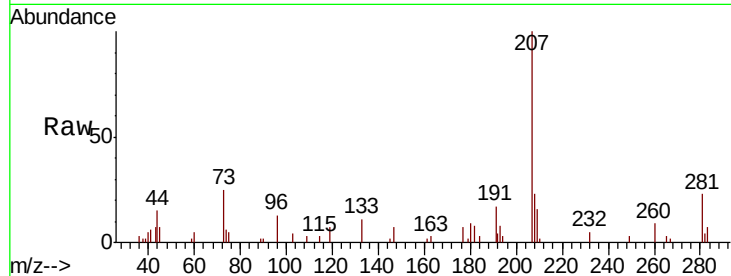




#93
 1,2,4-Trichlorobenzene
 Concen: 2.858 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058985.D
 Acq: 28 Oct 2019 10:31

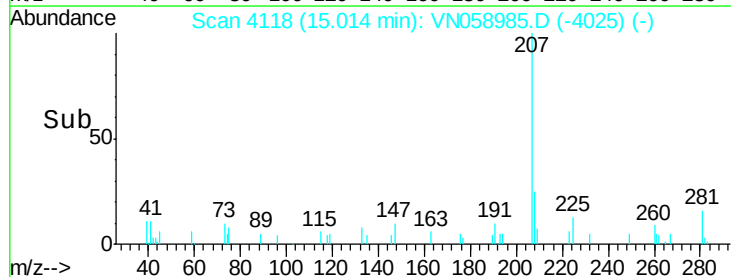
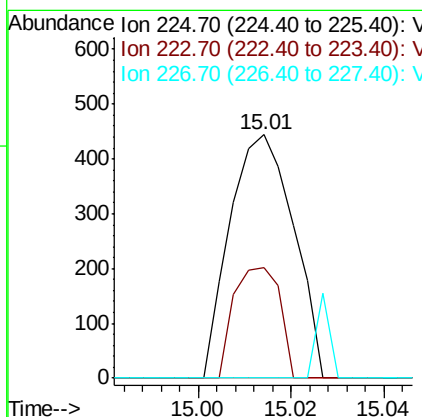
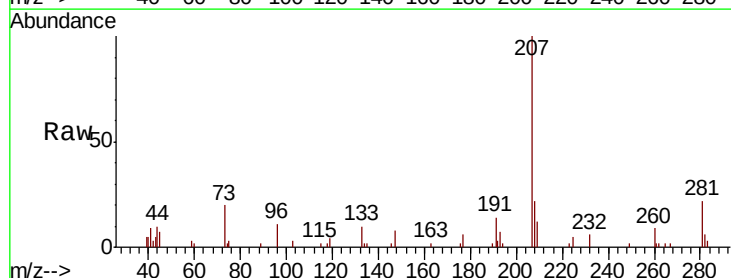
Instrument :
 MSVOA_N
 ClientSampleId :

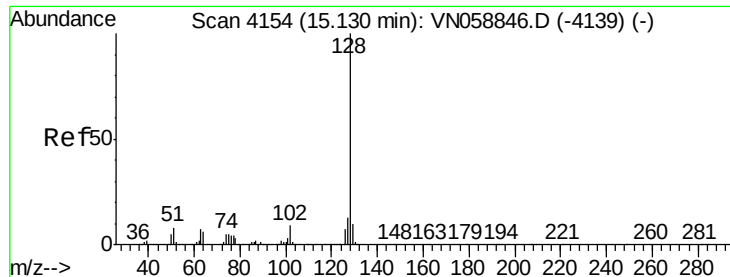
Tot Ion:180 Resp: 1217
 Ion Ratio Lower Upper
 180 100
 182 82.4 47.3 142.0
 145 18.7 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 0.241 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058985.D
 Acq: 28 Oct 2019 10:31

Tgt Ion:225 Resp: 425
 Ion Ratio Lower Upper
 225 100
 223 32.7 30.9 92.5
 227 7.1 31.6 94.7#





#95

Naphthalene

Concen: 2.650 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058985.D

Acq: 28 Oct 2019 10:31

Instrument :

MSVOA_N

ClientSampled :

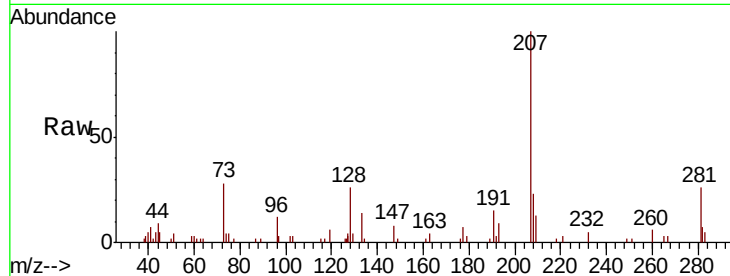
Tot Ion:128 Resp: 4382

Ion Ratio Lower Upper

128 100

127 11.9 10.2 15.2

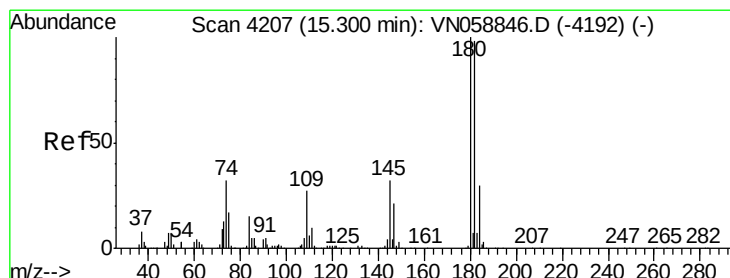
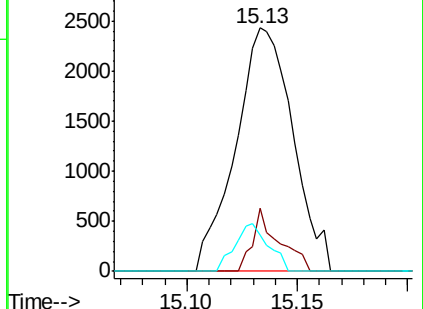
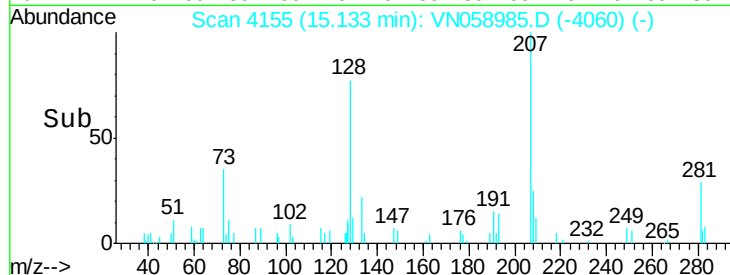
129 11.5 8.4 12.6



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: 2.888 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN058985.D

Acq: 28 Oct 2019 10:31

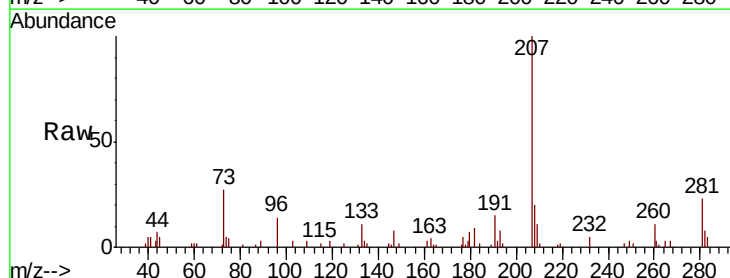
Tgt Ion:180 Resp: 1731

Ion Ratio Lower Upper

180 100

182 101.6 47.9 143.7

145 36.4 15.9 47.7



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

