

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN020420\
 Data File : VN059993.D
 Acq On : 4 Feb 2020 14:48
 Operator : JC/MD
 Sample : PB126559TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126559TB

Quant Time: Feb 05 01:23:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 18 03:09:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208034	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	320728	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	289499	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	128869	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	116357	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
35) Dibromofluoromethane	7.57	113	97190	50.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.62%	
50) Toluene-d8	10.08	98	380362	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.40	95	133884	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

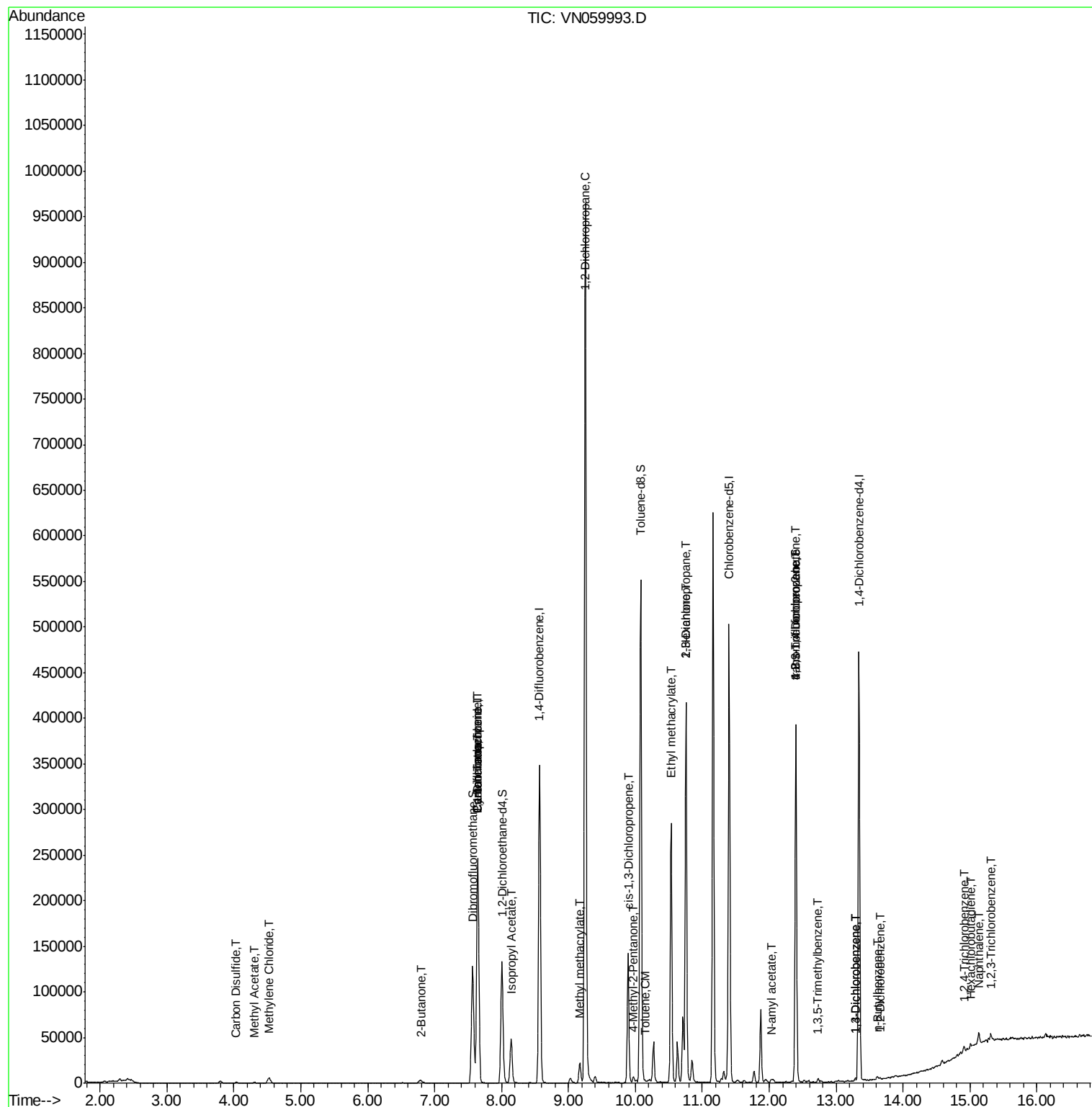
					Qvalue	
16) Acetone	3.79	43	3846	Below Cal		100
17) Carbon Disulfide	4.03	76	1277	0.236	ug/l #	75
18) Methyl Acetate	4.31	43	1650	0.611	ug/l #	58
20) Methylene Chloride	4.52	84	4712	0.986	ug/l	88
25) 2-Butanone	6.81	43	837	0.640	ug/l #	50
31) Cyclohexane	7.64	56	4171	1.220	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14657	5.248	ug/l #	50
38) Carbon Tetrachloride	7.64	117	19119	6.293	ug/l #	16
43) Isopropyl Acetate	8.14	43	57766	12.820	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	1144	0.555	ug/l #	44
48) Methyl methacrylate	9.17	41	3178	1.577	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	4434	1.702	ug/l	93
52) Toluene	10.15	92	1216	0.231	ug/l	90
54) cis-1,3-Dichloropropene	9.89	75	27226	7.909	ug/l #	54
56) Ethyl methacrylate	10.53	69	687	0.216	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	4287	1.296	ug/l #	42
59) 2-Hexanone	10.75	43	61984	32.302	ug/l #	57
74) N-amyl acetate	12.03	43	3267	0.891	ug/l #	45
76) 1,2,3-Trichloropropane	12.40	75	68945	31.790	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2453	0.309	ug/l	92
81) trans-1,4-Dichloro-2-buten	12.40	75	68945	68.270	ug/l #	11
87) 1,3-Dichlorobenzene	13.28	146	1136	0.273	ug/l	80
88) 1,4-Dichlorobenzene	13.28	146	1136	0.274	ug/l	80
89) n-Butylbenzene	13.61	91	2557	0.359	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	950	0.231	ug/l	90
92) 1,2-Dibromo-3-Chloropropan	14.26	75	187	Below Cal	#	26
93) 1,2,4-Trichlorobenzene	14.91	180	2335	0.945	ug/l	92
94) Hexachlorobutadiene	15.01	225	728	0.535	ug/l	95
95) Naphthalene	15.13	128	10204	1.453	ug/l	97
96) 1,2,3-Trichlorobenzene	15.32	180	2986	1.242	ug/l	86

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

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QLast Update : Sat Jan 18 03:09:32 2020
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: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

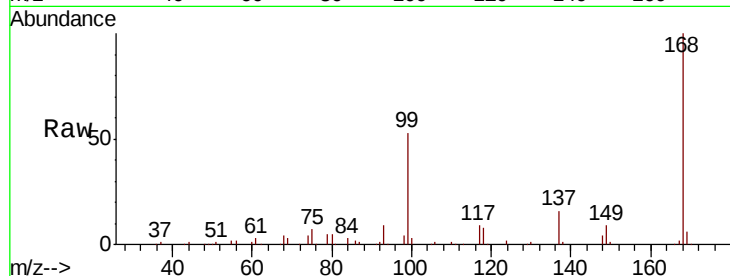
PB126559TB

Tot Ion:168 Resp: 208034

Ion Ratio Lower Upper

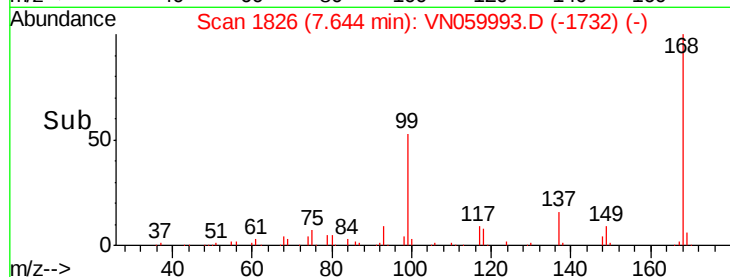
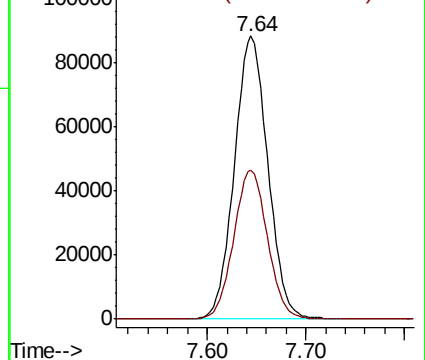
168 100

99 52.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059993.D (-1732) (-)

Ion 98.90 (98.60 to 99.60): VN059993.D (-1732) (-)



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN059993.D

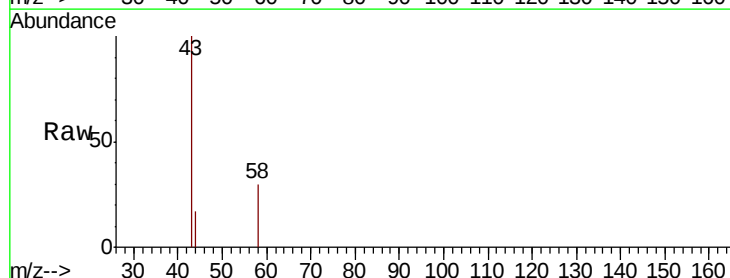
Acq: 4 Feb 2020 14:48

Tgt Ion: 43 Resp: 3846

Ion Ratio Lower Upper

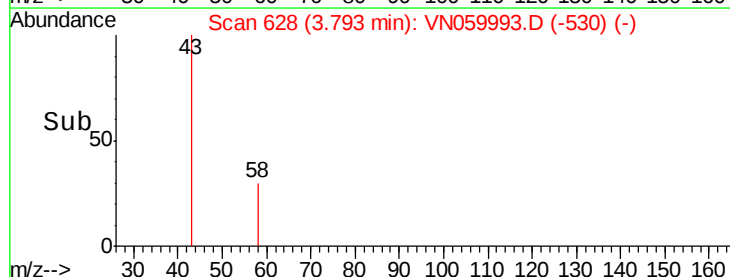
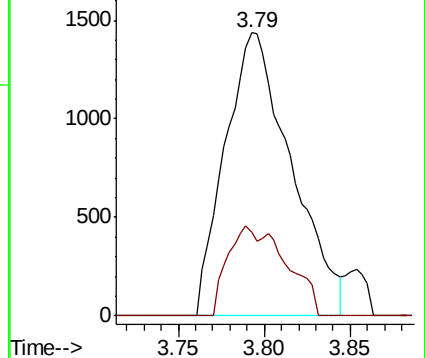
43 100

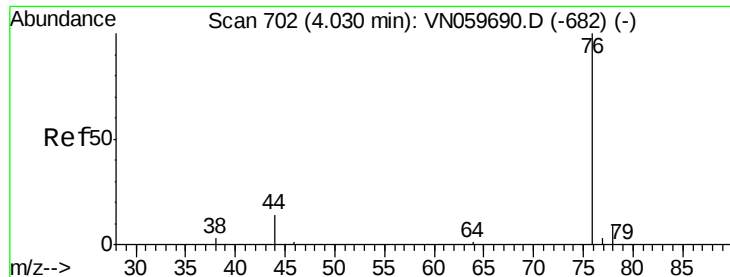
58 29.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059993.D (-530) (-)

Ion 58.00 (57.70 to 58.70): VN059993.D (-530) (-)

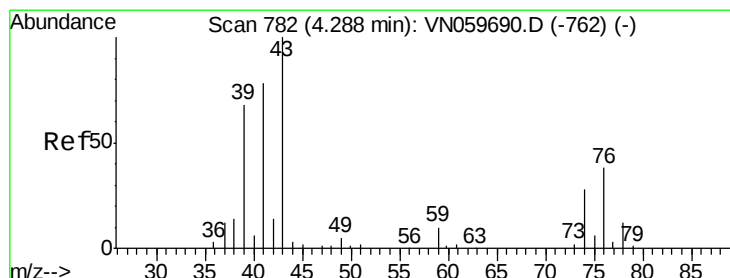
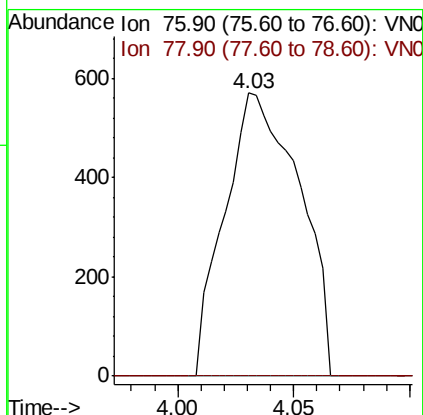
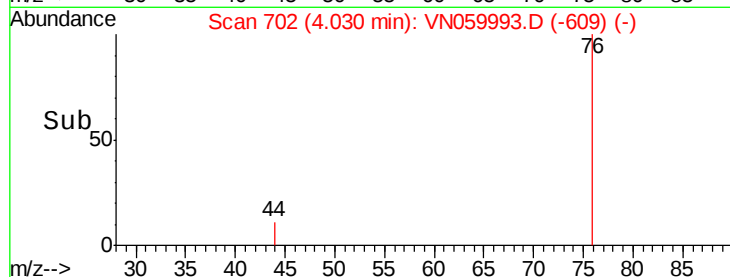
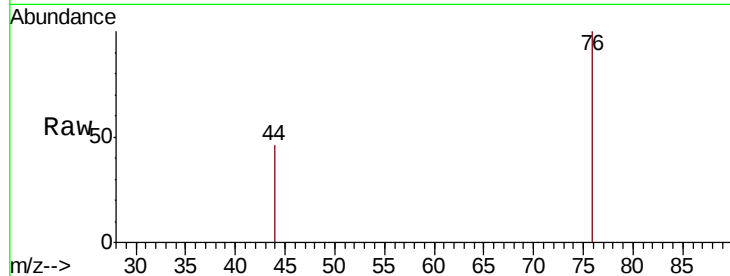




#17
Carbon Disulfide
Concen: 0.236 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

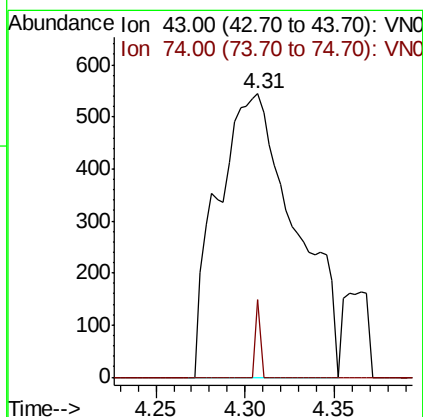
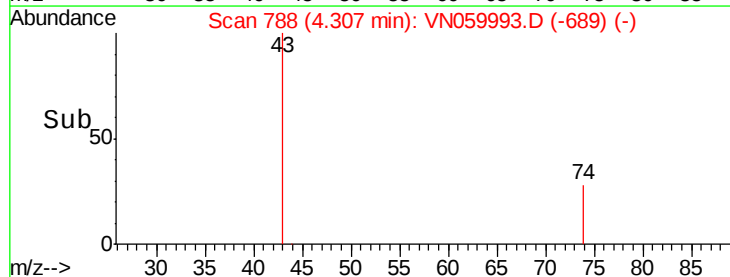
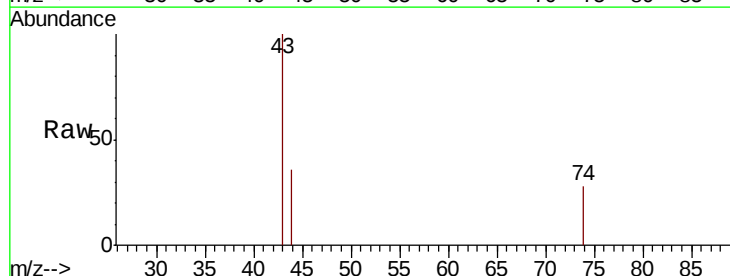
Instrument :
MSVOA_N
ClientSampled :
PB126559TB

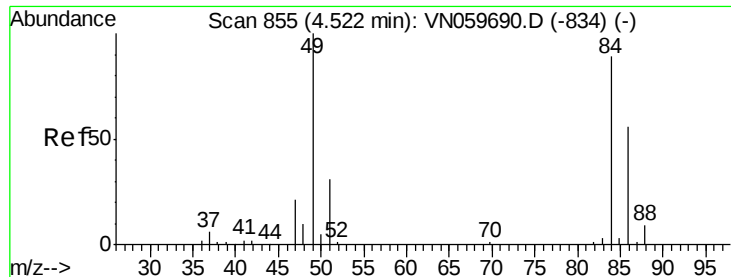
Tot Ion: 76 Resp: 1277
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: 0.611 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.02 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

Tgt Ion: 43 Resp: 1650
Ion Ratio Lower Upper
43 100
74 1.8 17.5 26.3#

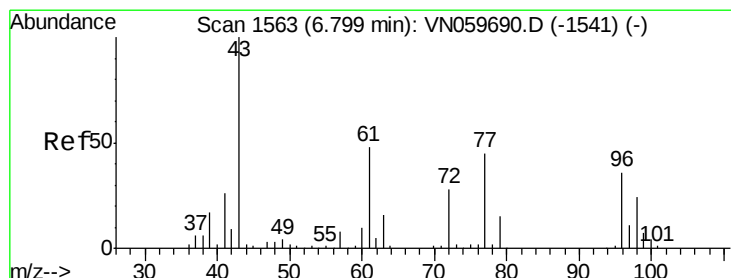
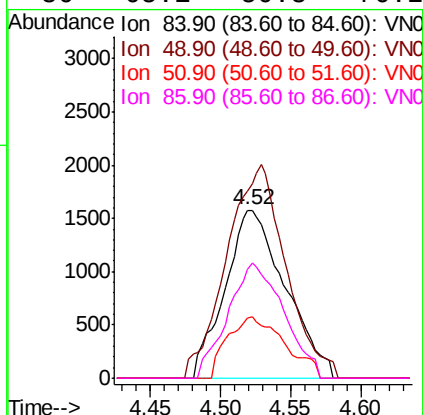
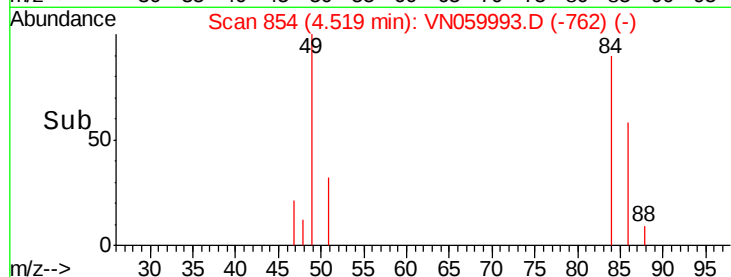
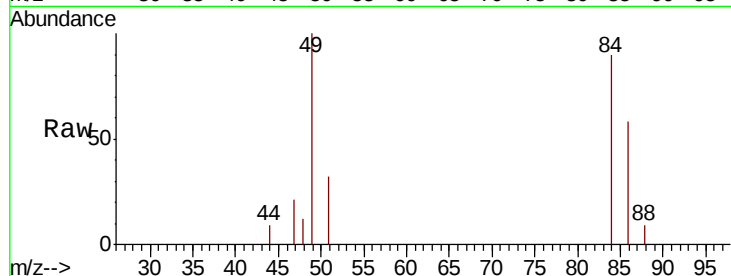




#20
Methvlene Chloride
Concen: 0.986 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

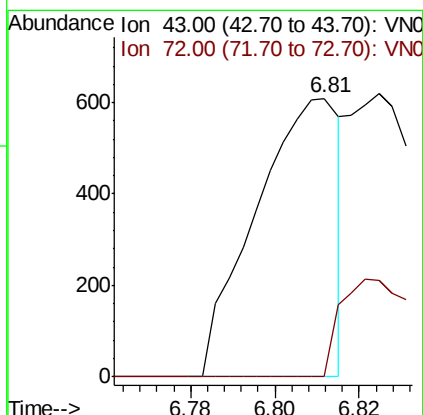
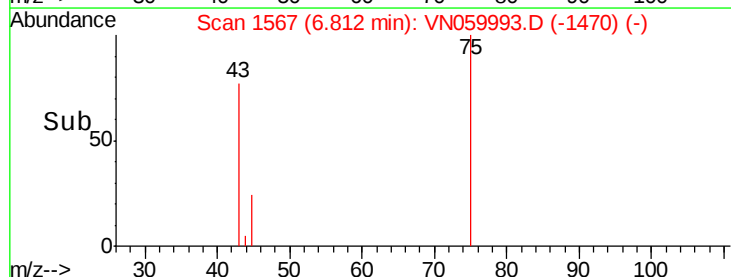
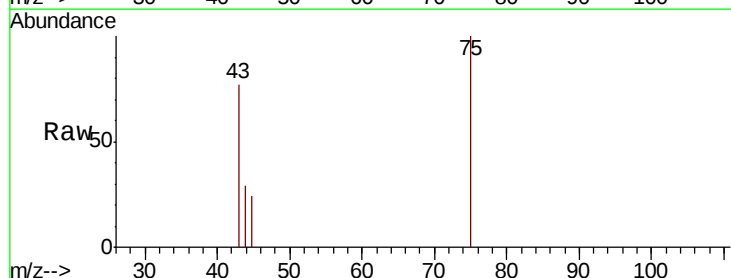
Instrument :
MSVOA_N
ClientSampleId :
PB126559TB

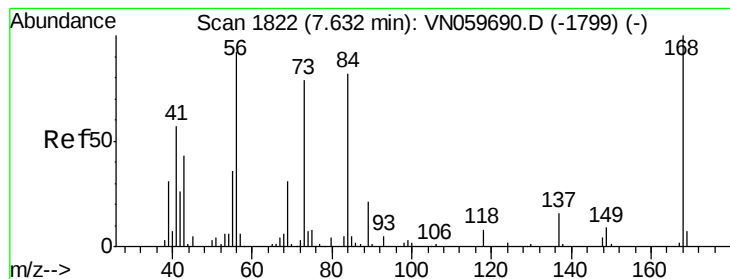
Tot Ion: 84 Resp: 4712
Ion Ratio Lower Upper
84 100
49 111.5 106.6 160.0
51 36.0 31.9 47.9
86 65.1 50.8 76.2



#25
2-Butanone
Concen: 0.640 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

Tgt Ion: 43 Resp: 837
Ion Ratio Lower Upper
43 100
72 0.0 19.9 29.9#





#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.01 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB126559TB

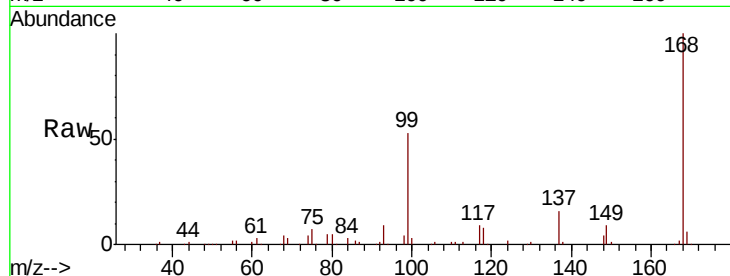
Tot Ion: 56 Resp: 4171

Ion Ratio Lower Upper

56 100

69 169.7 26.5 39.7#

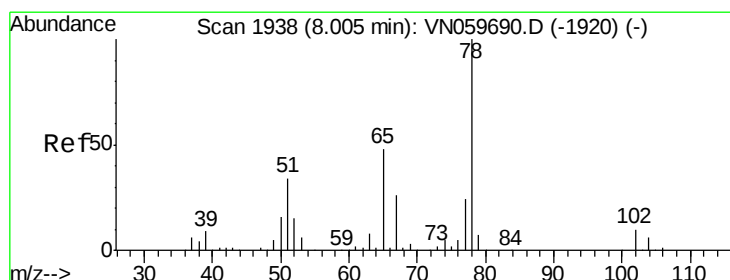
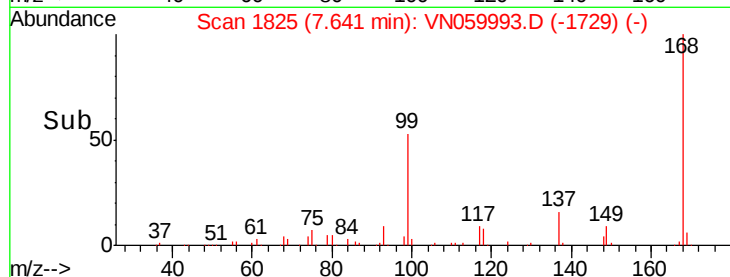
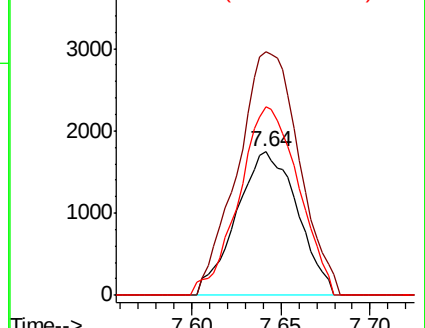
84 131.5 65.3 97.9#



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: 50.365 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059993.D

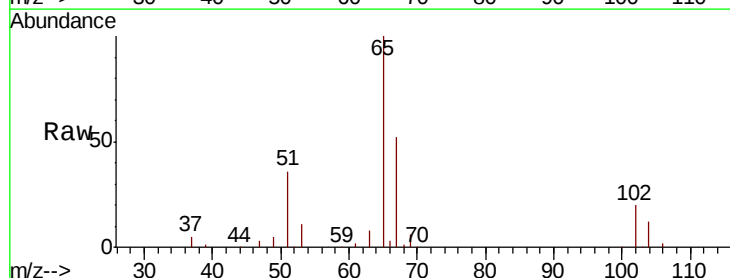
Acq: 4 Feb 2020 14:48

Tgt Ion: 65 Resp: 116357

Ion Ratio Lower Upper

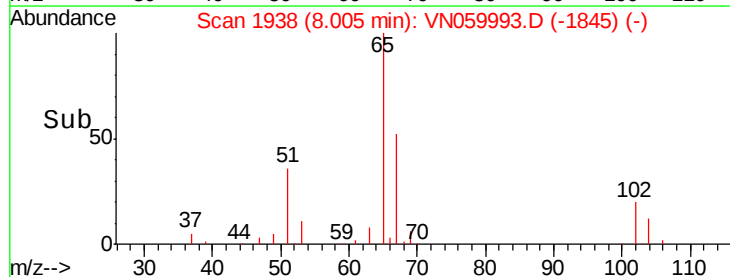
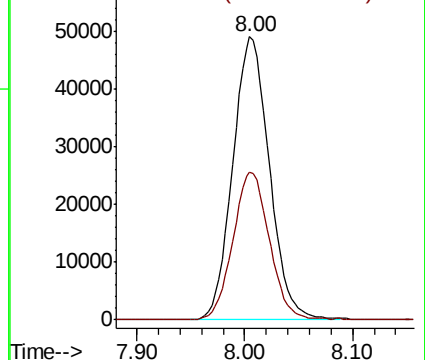
65 100

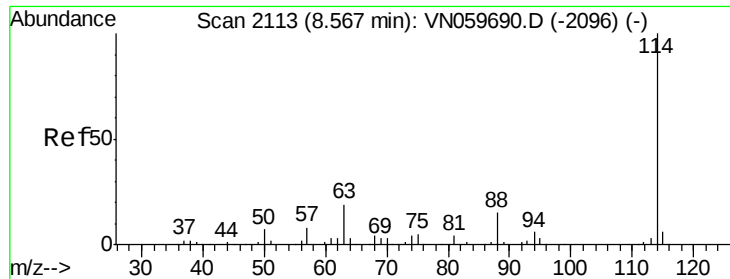
67 51.9 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

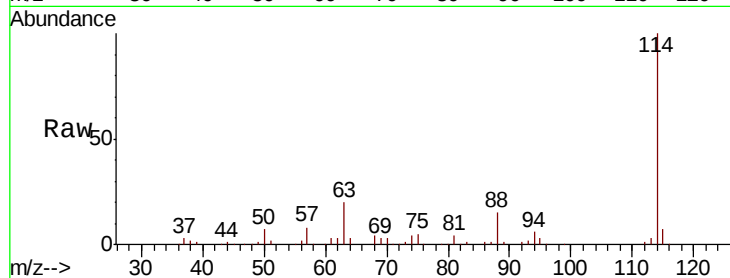




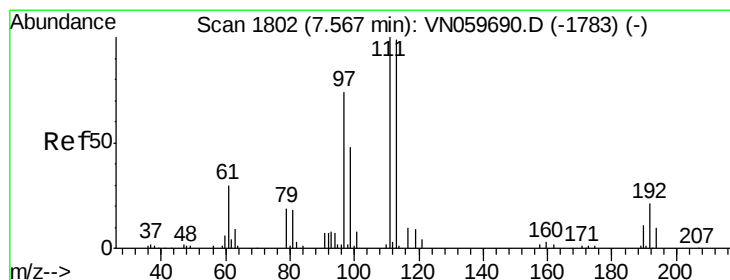
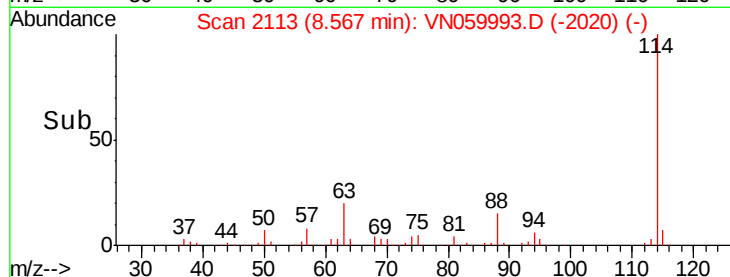
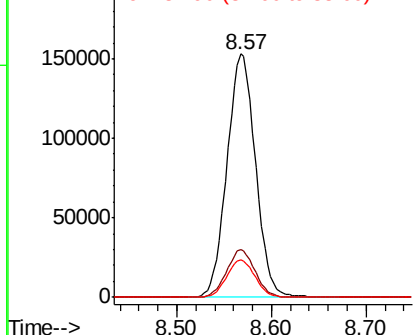
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

Instrument :
MSVOA_N
ClientSampleId :
PB126559TB

Tot Ion:114 Resp: 320728
Ion Ratio Lower Upper
114 100
63 19.7 0.0 43.6
88 15.2 0.0 31.4

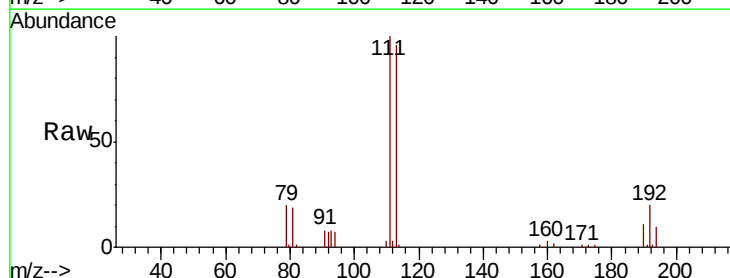


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

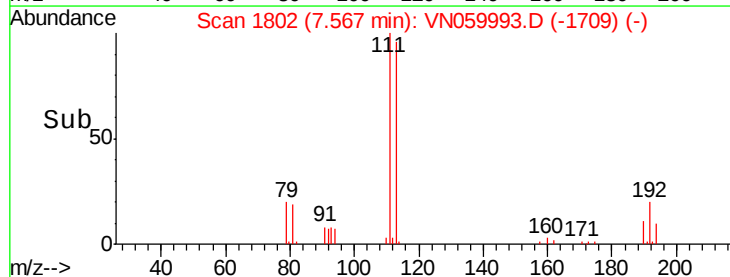
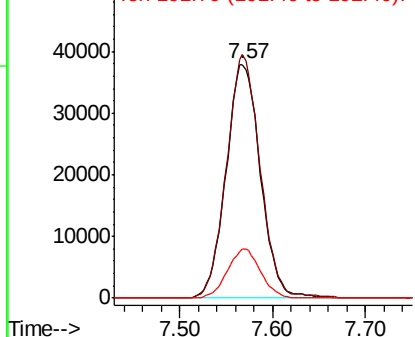


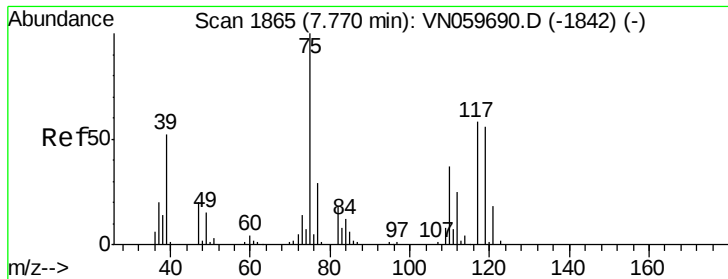
#35
Dibromofluoromethane
Concen: 50.815 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

Tgt Ion:113 Resp: 97190
Ion Ratio Lower Upper
113 100
111 102.1 83.5 125.3
192 20.3 15.4 23.2



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: 5.248 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

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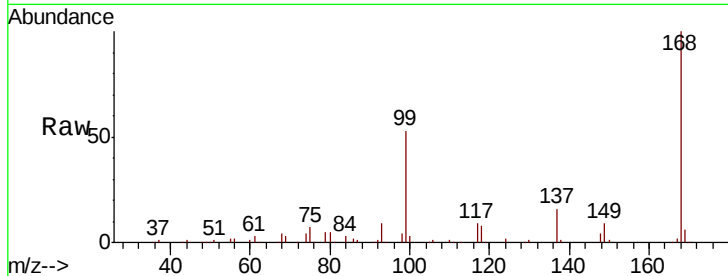
Tot Ion: 75 Resp: 14657

Ion Ratio Lower Upper

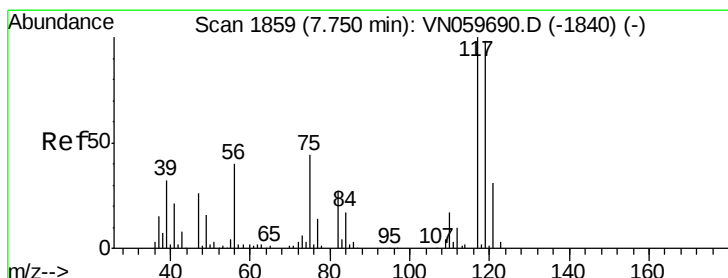
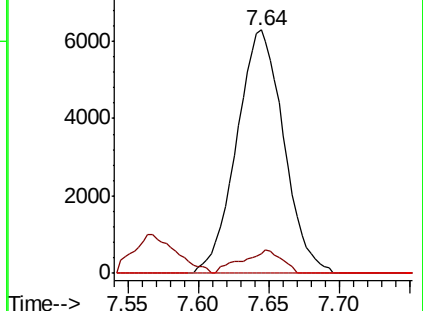
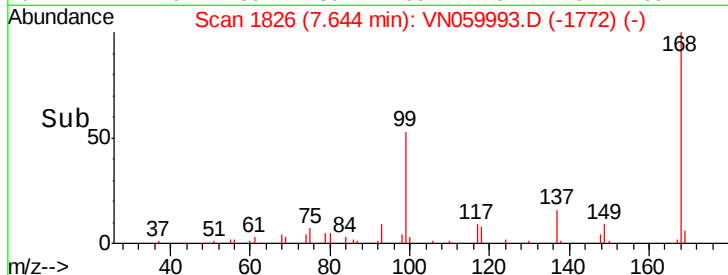
75 100

110 8.1 16.6 49.7#

77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN059993.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.293 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

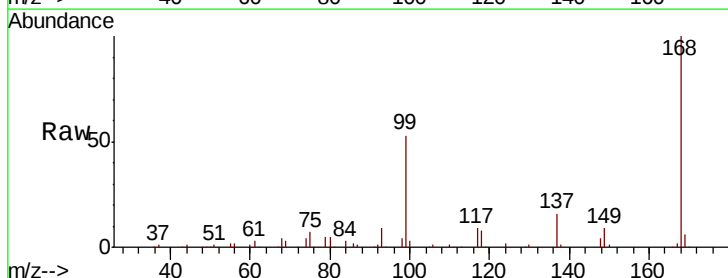
Tgt Ion: 117 Resp: 19119

Ion Ratio Lower Upper

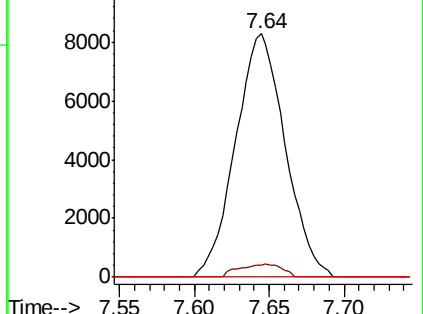
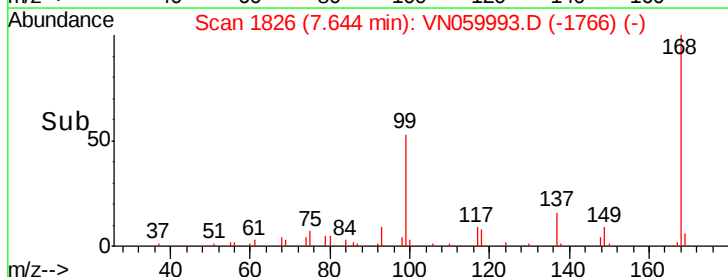
117 100

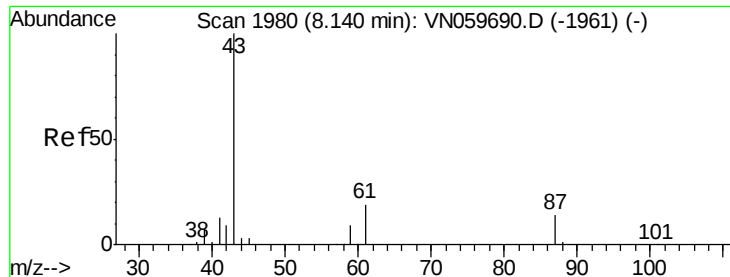
119 5.1 76.5 114.7#

121 0.0 25.1 37.7#



Abundance Ion 116.80 (116.50 to 117.50): VN059993.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 12.820 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB126559TB

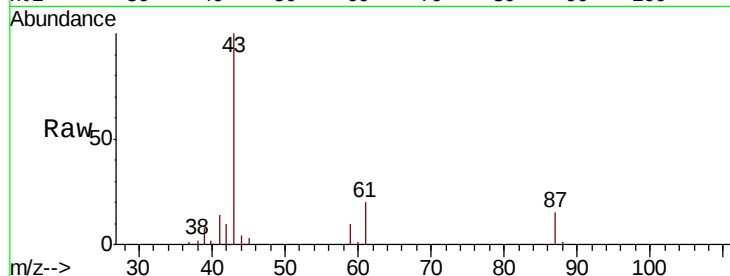
Tot Ion: 43 Resp: 57766

Ion Ratio Lower Upper

43 100

61 20.1 20.2 30.2#

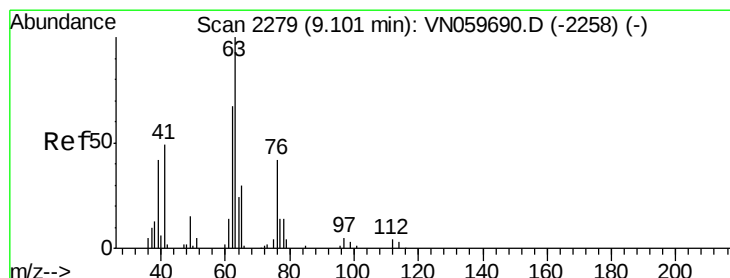
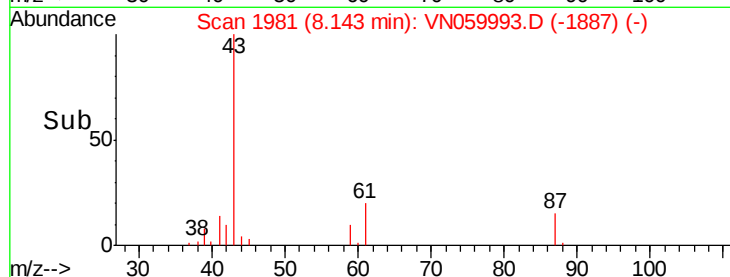
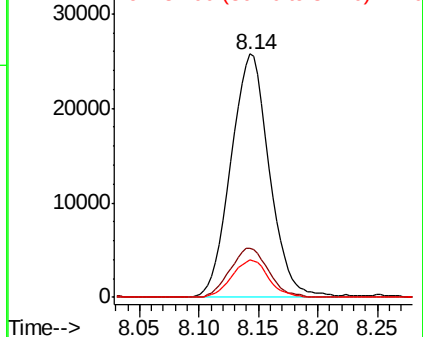
87 14.4 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059993.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059993.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059993.D (-1961) (-)



#45

1,2-Dichloropropane

Concen: 0.555 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN059993.D

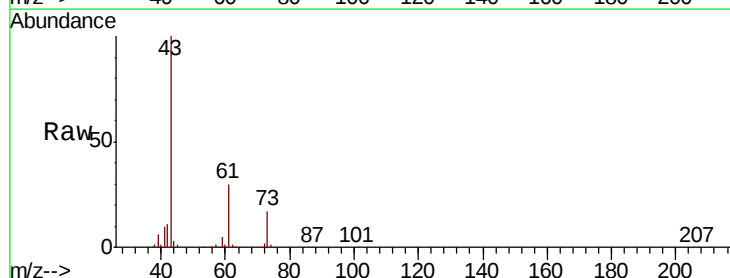
Acq: 4 Feb 2020 14:48

Tgt Ion: 63 Resp: 1144

Ion Ratio Lower Upper

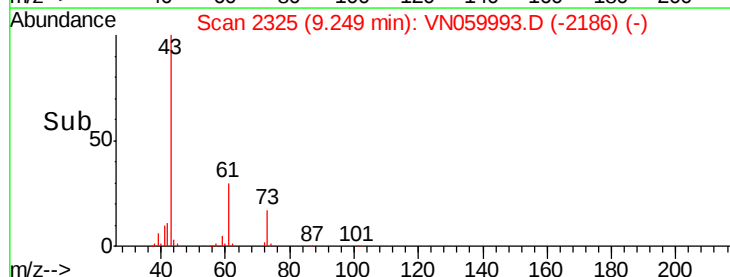
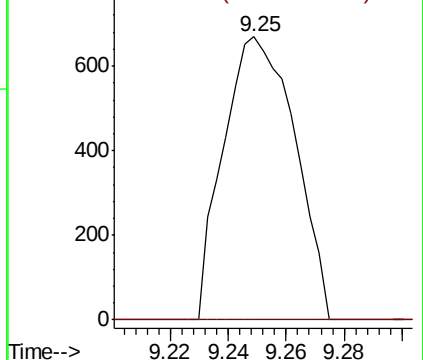
63 100

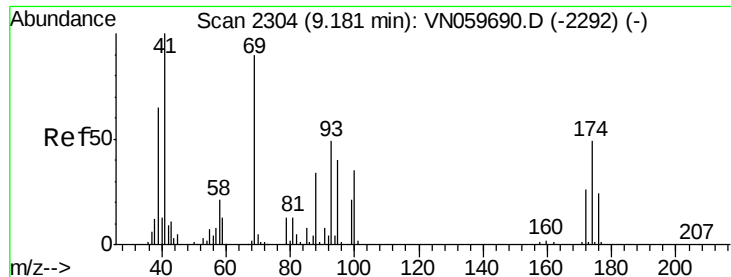
65 0.0 24.9 37.3#



Abundance Ion 62.90 (62.60 to 63.60): VN059993.D (-2186) (-)

Ion 64.90 (64.60 to 65.60): VN059993.D (-2186) (-)

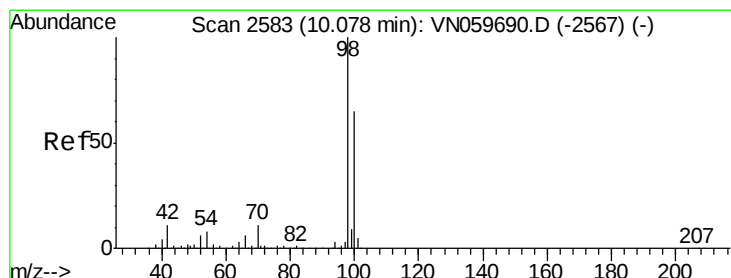
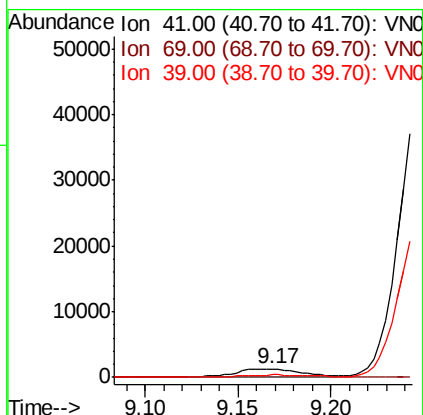
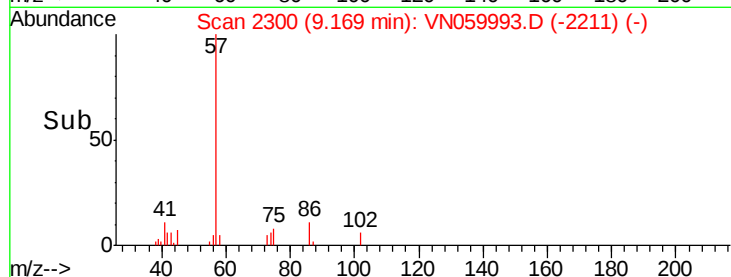
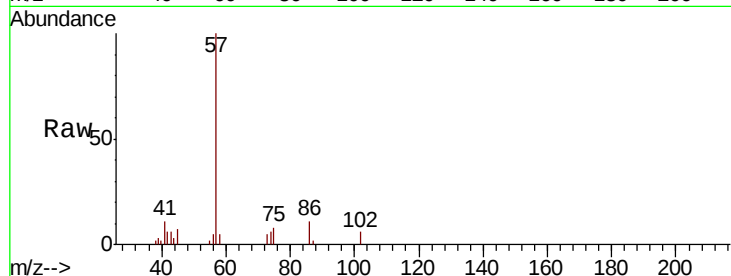




#48
Methvl methacrylate
Concen: 1.577 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.01 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

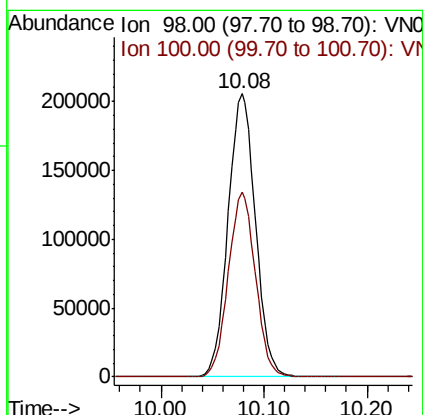
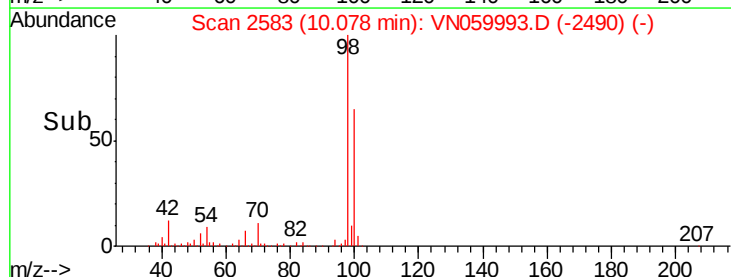
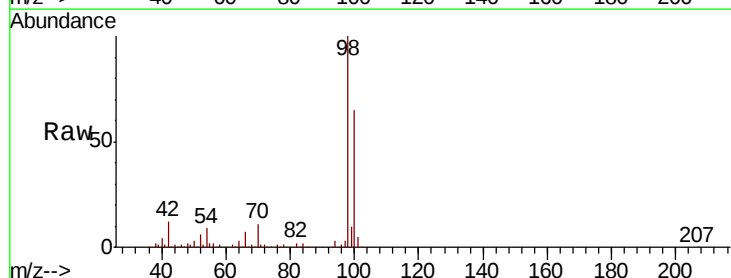
Instrument :
MSVOA_N
ClientSampleId :
PB126559TB

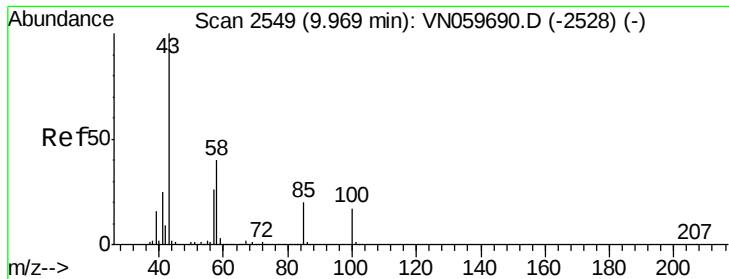
Tot Ion: 41 Resp: 3178
Ion Ratio Lower Upper
41 100
69 0.0 64.4 96.6#
39 0.0 51.3 76.9#



#50
Toluene-d8
Concen: 51.327 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

Tgt Ion: 98 Resp: 380362
Ion Ratio Lower Upper
98 100
100 64.5 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 1.702 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampled :

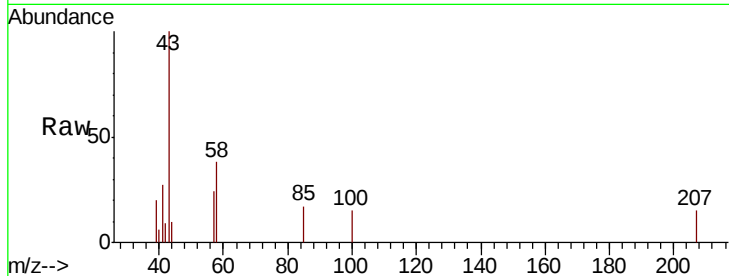
PB126559TB

Tot Ion: 43 Resp: 4434

Ion Ratio Lower Upper

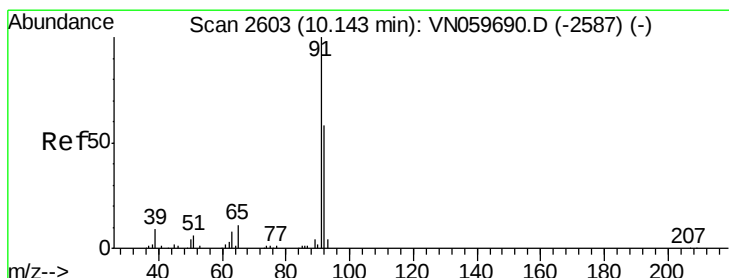
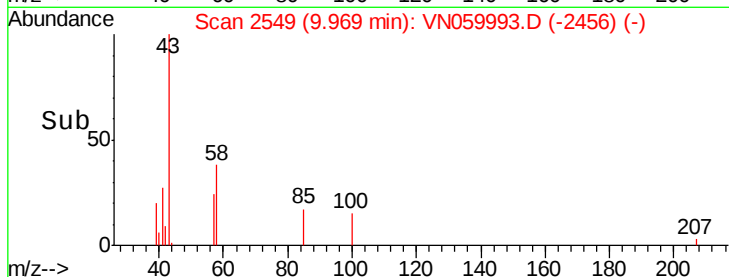
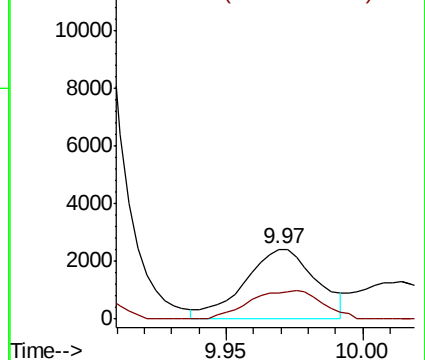
43 100

58 41.5 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)



#52

Toluene

Concen: 0.231 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059993.D

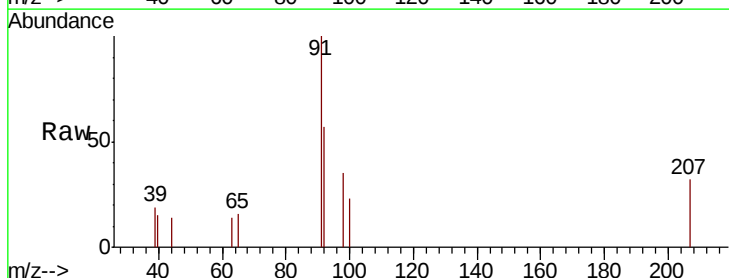
Acq: 4 Feb 2020 14:48

Tgt Ion: 92 Resp: 1216

Ion Ratio Lower Upper

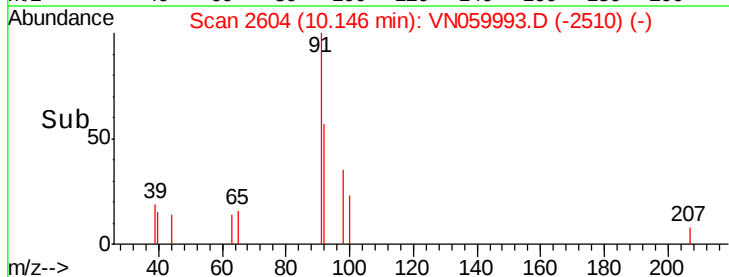
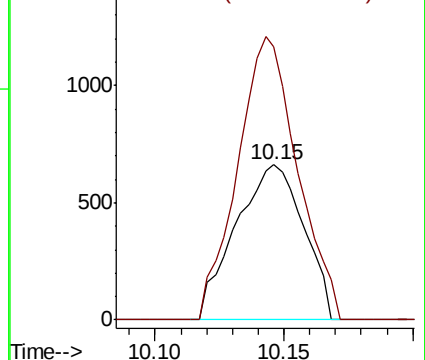
92 100

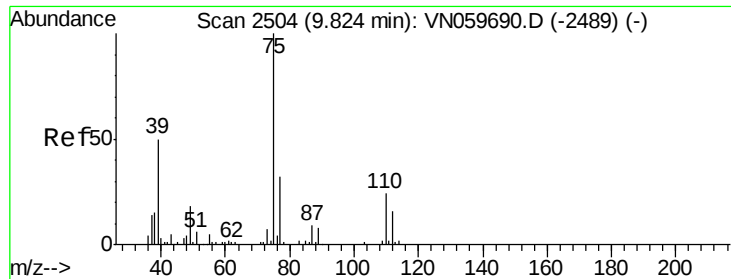
91 160.9 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059690.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-2587) (-)

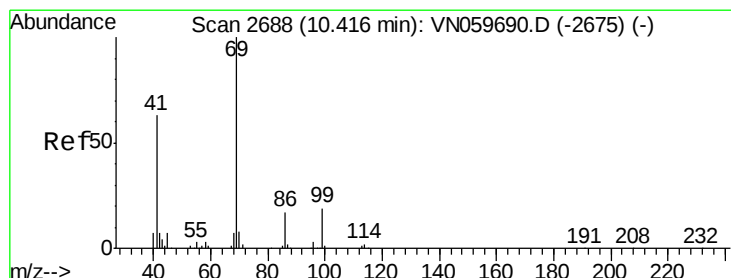
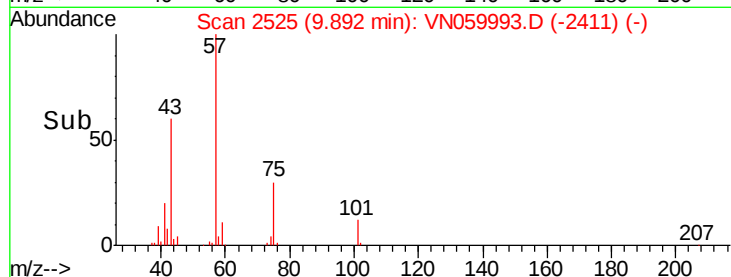
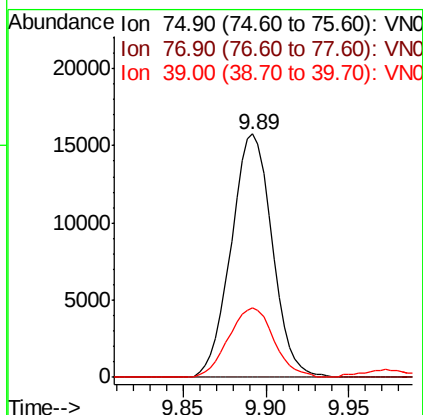
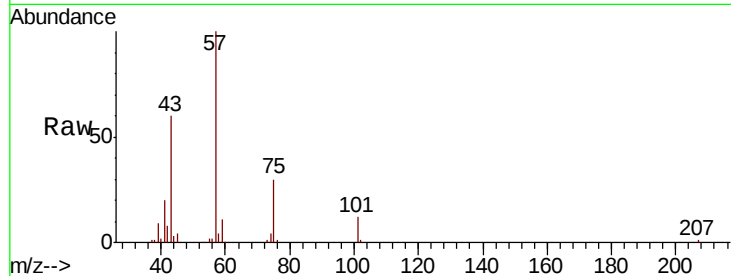




#54
 cis-1,3-Dichloropropene
 Concen: 7.909 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN059993.D
 Acq: 4 Feb 2020 14:48

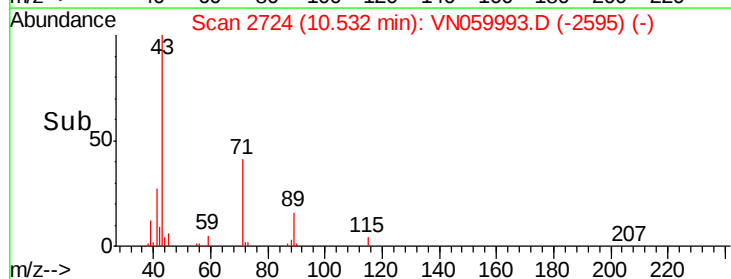
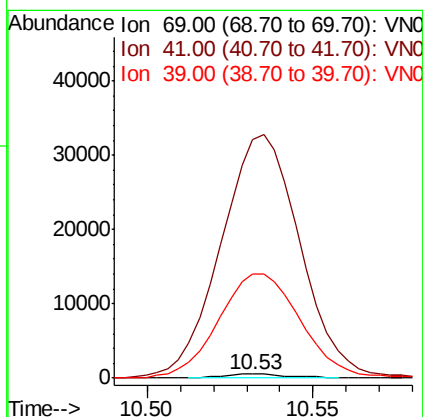
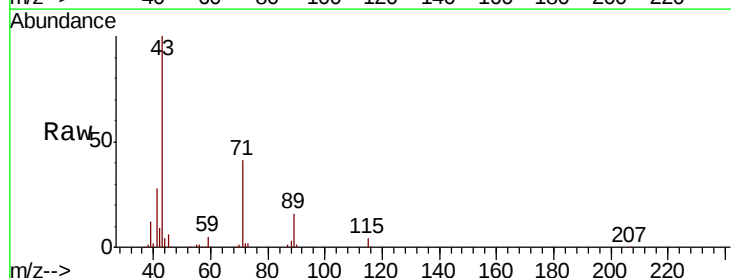
Instrument :
 MSVOA_N
 ClientSampleId :
 PB126559TB

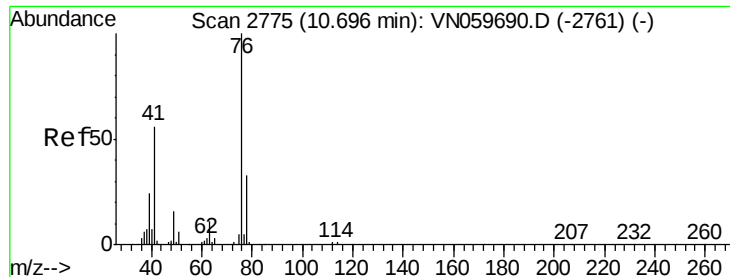
Tot Ion: 75 Resp: 27226
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.1 37.7#
 39 28.4 46.1 69.1#



#56
 Ethyl methacrylate
 Concen: 0.216 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. 0.12 min
 Lab File: VN059993.D
 Acq: 4 Feb 2020 14:48

Tgt Ion: 69 Resp: 687
 Ion Ratio Lower Upper
 69 100
 41 7969.9 57.1 85.7#
 39 3529.7 34.7 52.1#





#57

1,3-Dichloropropane

Concen: 1.296 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.06 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

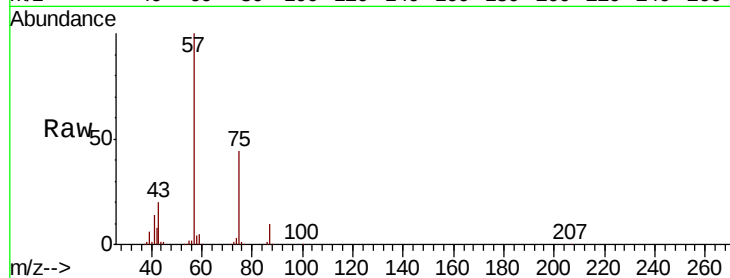
PB126559TB

Tot Ion: 76 Resp: 4287

Ion Ratio Lower Upper

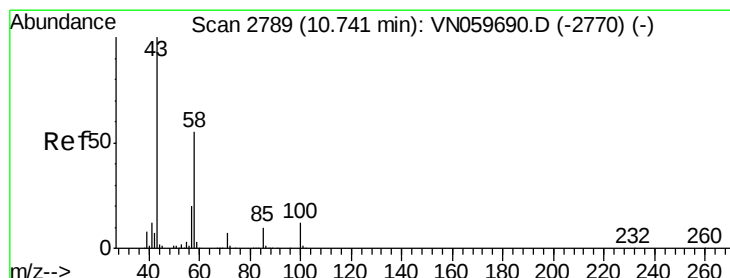
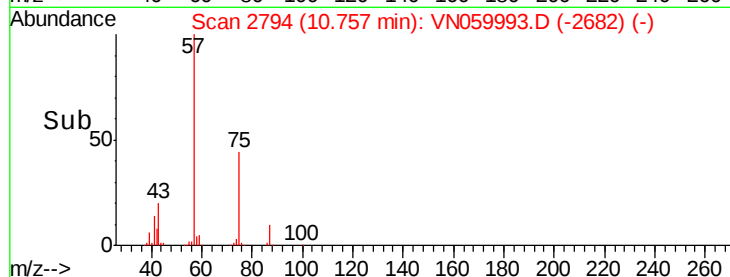
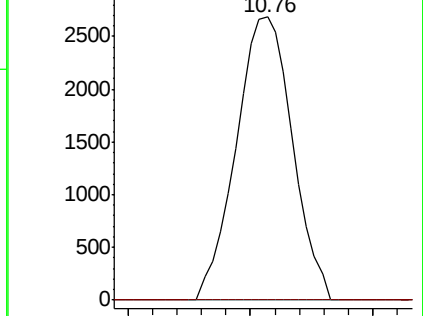
76 100

78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 32.302 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN059993.D

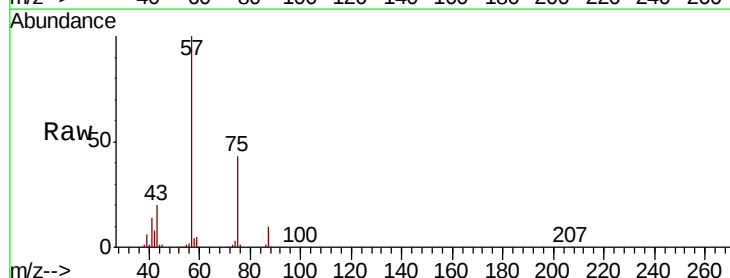
Acq: 4 Feb 2020 14:48

Tgt Ion: 43 Resp: 61984

Ion Ratio Lower Upper

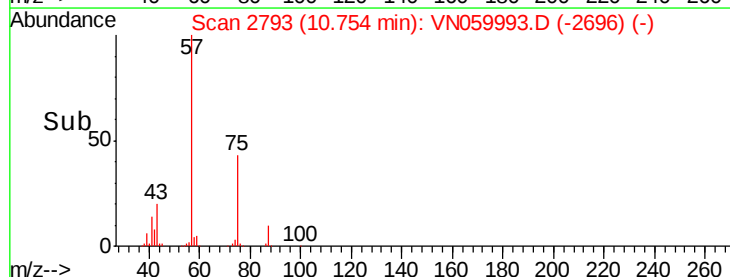
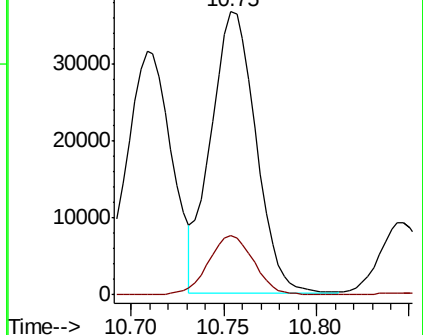
43 100

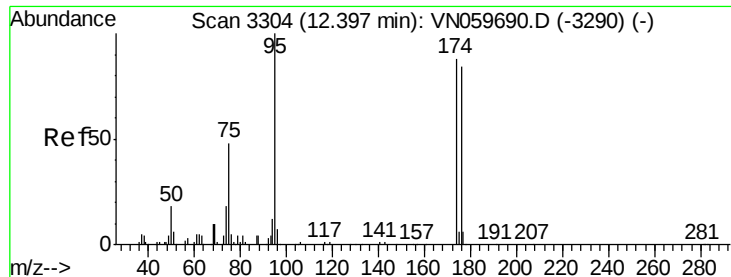
58 21.2 25.8 77.3#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

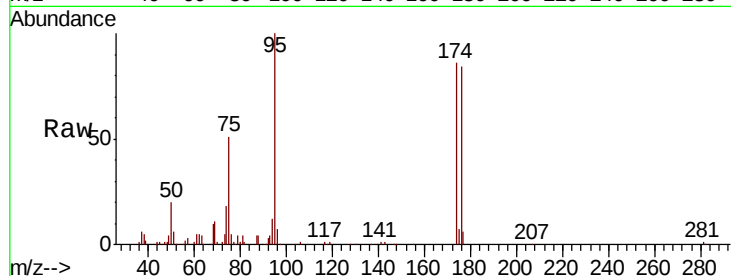




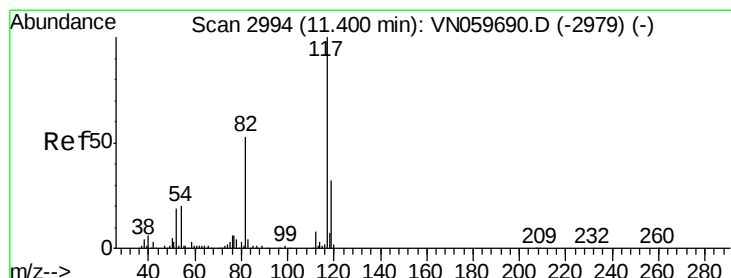
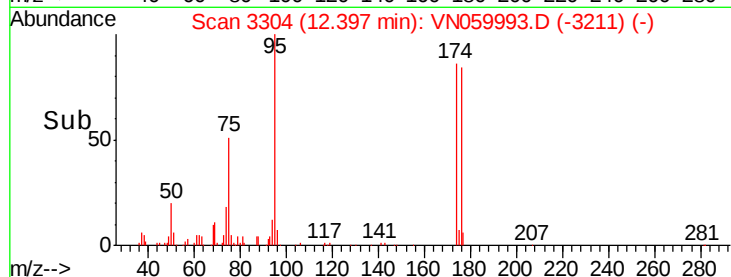
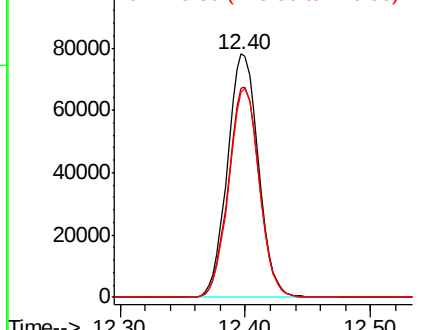
#62
4-Bromofluorobenzene
Concen: 50.116 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

Instrument :
MSVOA_N
ClientSampleId :
PB126559TB

Tot Ion: 95 Resp: 133884
Ion Ratio Lower Upper
95 100
174 86.1 0.0 151.4
176 84.2 0.0 146.0

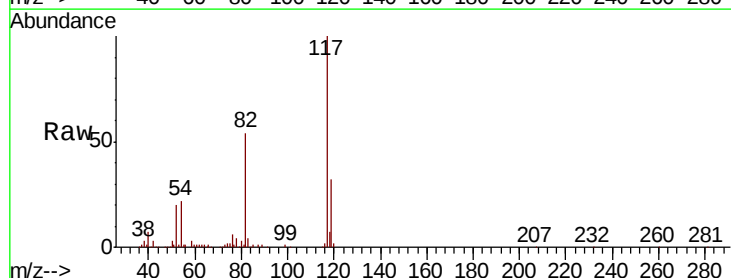


Abundance Ion 94.90 (94.60 to 95.60): VN059993.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN059993.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN059993.D (-3290) (-)

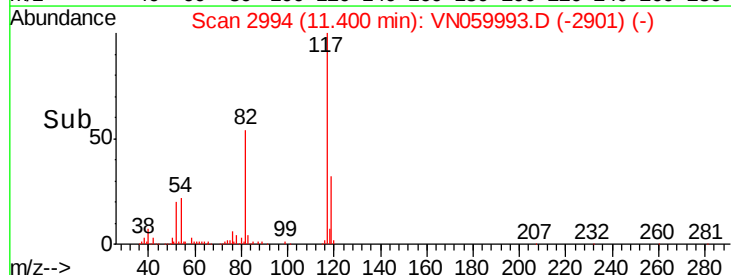
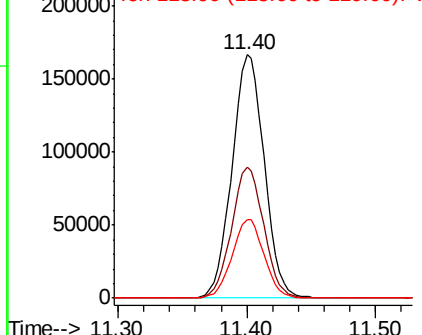


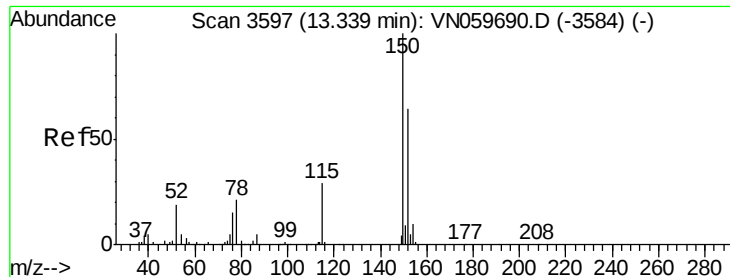
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

Tgt Ion: 117 Resp: 289499
Ion Ratio Lower Upper
117 100
82 53.8 45.9 68.9
119 32.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN059993.D (-2979) (-)
Ion 82.00 (81.70 to 82.70): VN059993.D (-2979) (-)
Ion 118.90 (118.60 to 119.60): VN059993.D (-2979) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB126559TB

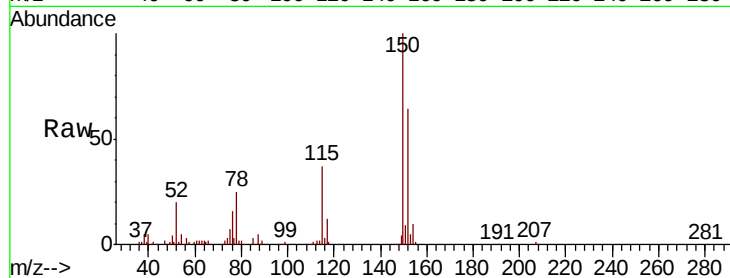
Tot Ion:152 Resp: 128869

Ion Ratio Lower Upper

152 100

115 58.1 30.3 90.9

150 157.2 0.0 345.2



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

150000

100000

50000

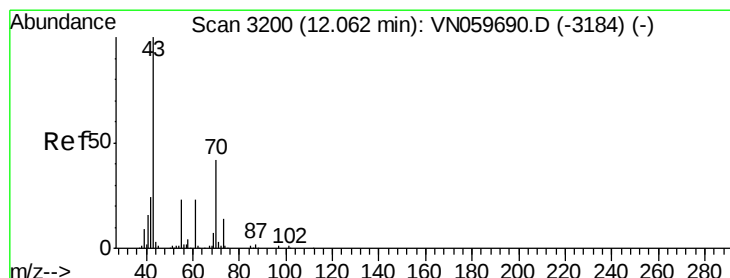
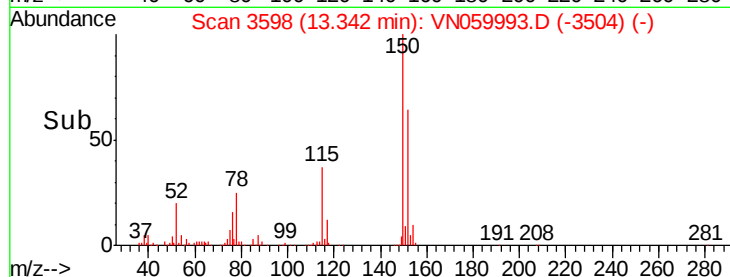
0

13.34

13.35

13.40

Time-->



#74

N-ethyl acetate

Concen: 0.891 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Tgt Ion: 43 Resp: 3267

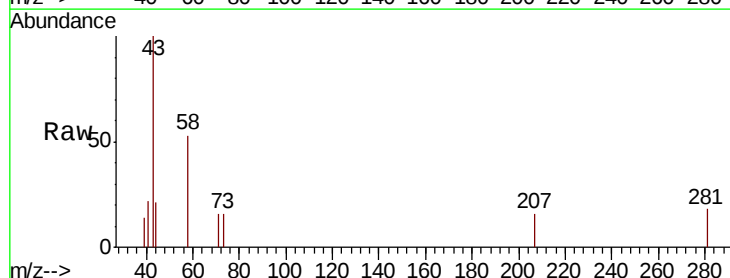
Ion Ratio Lower Upper

43 100

70 0.0 31.3 46.9#

55 0.9 19.8 29.6#

61 0.0 18.3 27.5#



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

2000

1500

1000

500

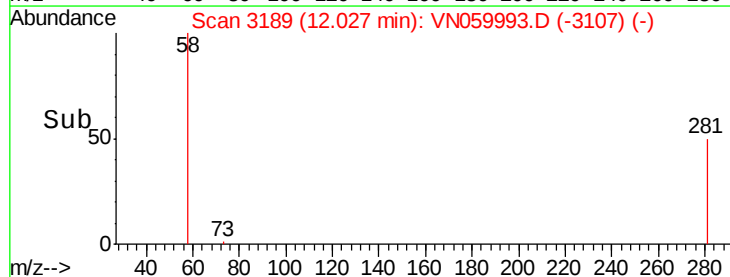
0

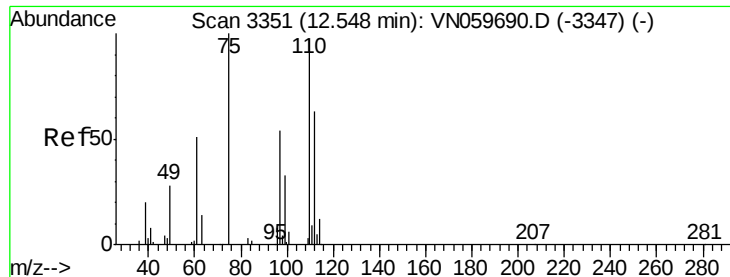
12.03

12.05

12.10

Time-->





#76

1,2,3-Trichloropropane

Concen: 31.790 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

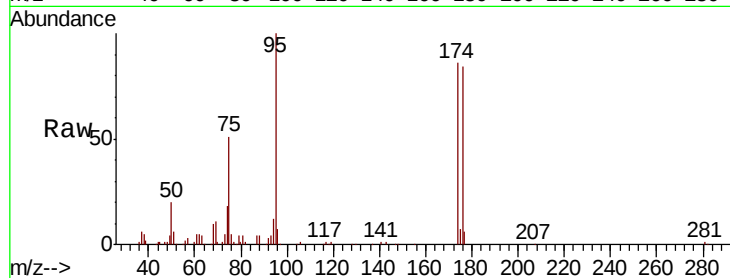
PB126559TB

Tot Ion: 75 Resp: 68945

Ion Ratio Lower Upper

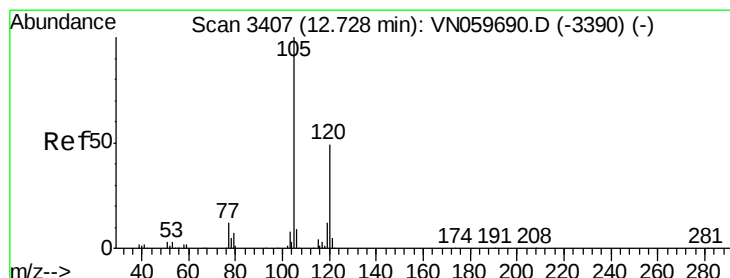
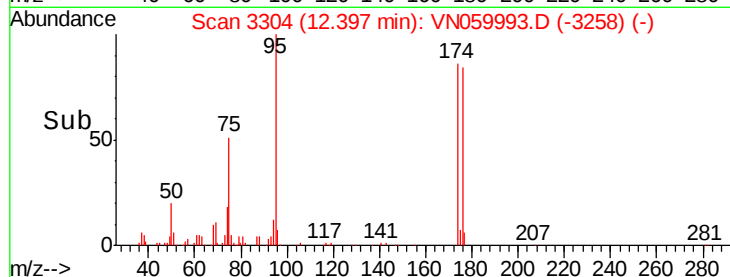
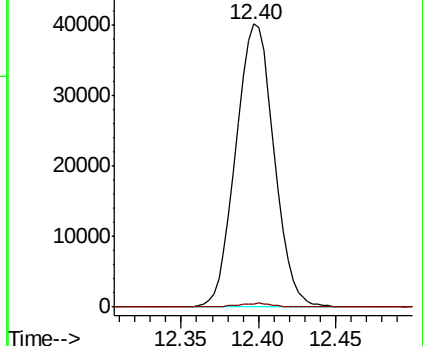
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN059993.D (-3304) (-)

Ion 77.00 (76.70 to 77.70): VN059993.D (-3304) (-)



#80

1,3,5-Trimethylbenzene

Concen: 0.309 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059993.D

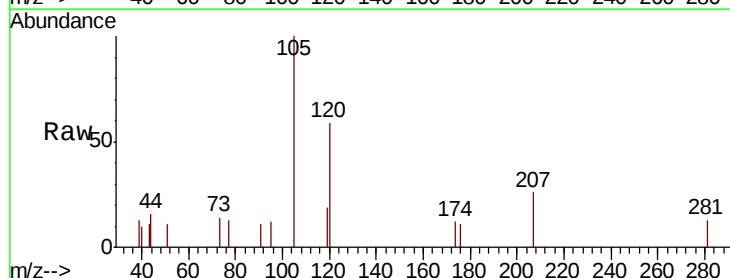
Acq: 4 Feb 2020 14:48

Tgt Ion: 105 Resp: 2453

Ion Ratio Lower Upper

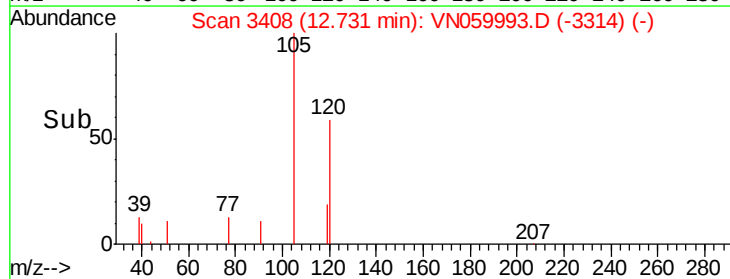
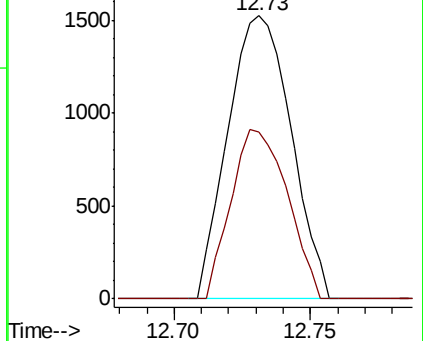
105 100

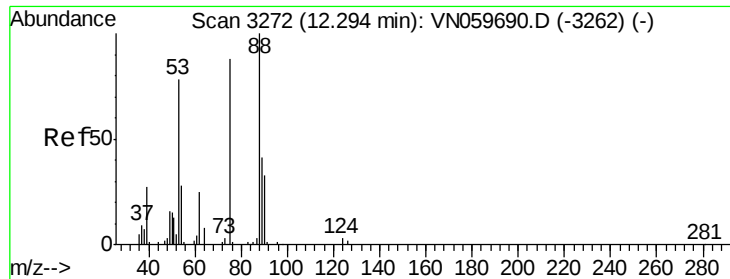
120 53.5 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059993.D (-3314) (-)

Ion 120.00 (119.70 to 120.70): VN059993.D (-3314) (-)

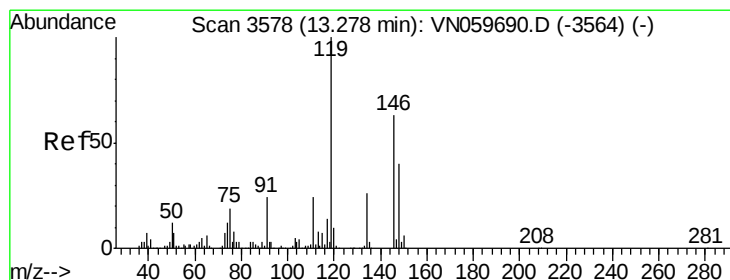
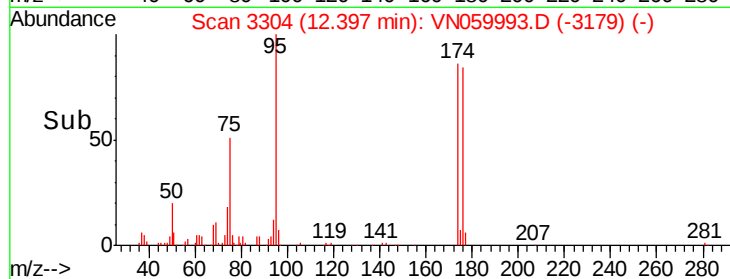
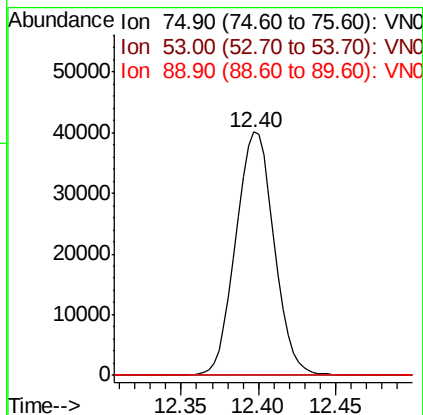
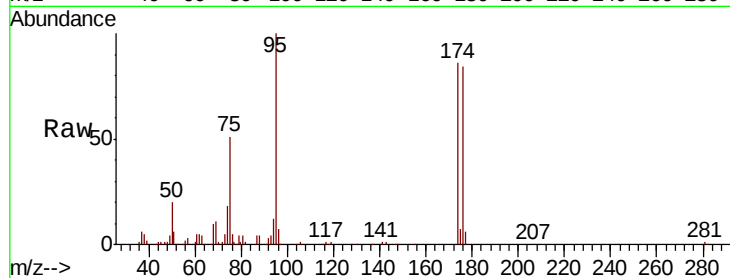




#81
trans-1,4-Dichloro-2-butene
Concen: 68.270 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

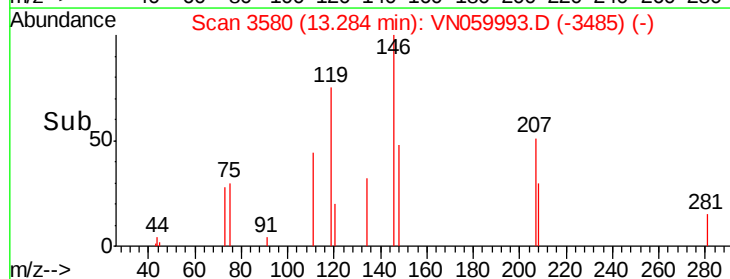
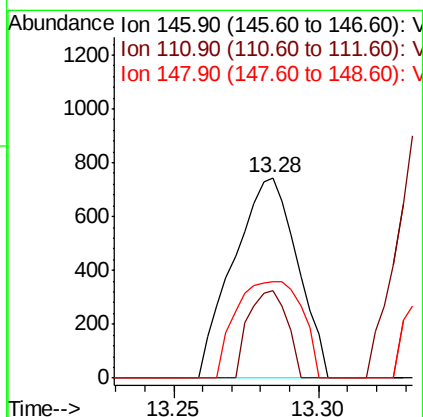
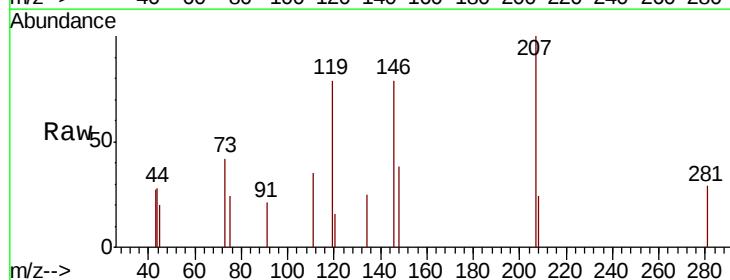
Instrument :
MSVOA_N
ClientSampled :
PB126559TB

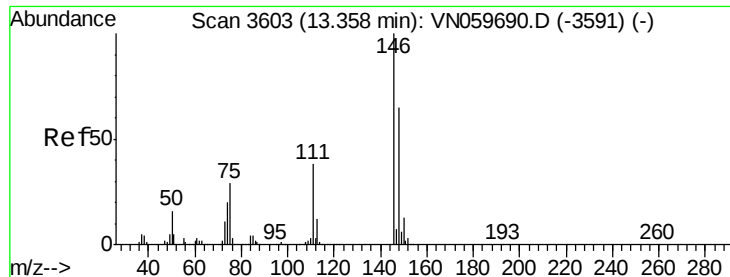
Tot Ion: 75 Resp: 68945
Ion Ratio Lower Upper
75 100
53 0.0 78.1 117.1#
89 0.0 35.4 53.2#



#87
1,3-Dichlorobenzene
Concen: 0.273 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.01 min
Lab File: VN059993.D
Acq: 4 Feb 2020 14:48

Tgt Ion: 146 Resp: 1136
Ion Ratio Lower Upper
146 100
111 26.6 20.8 62.2
148 49.9 32.0 96.0

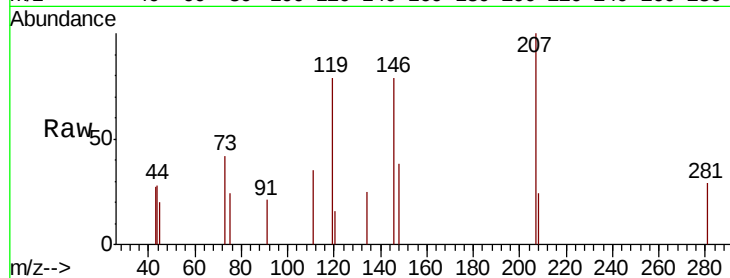




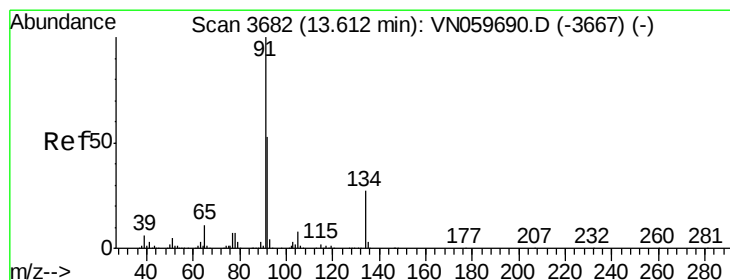
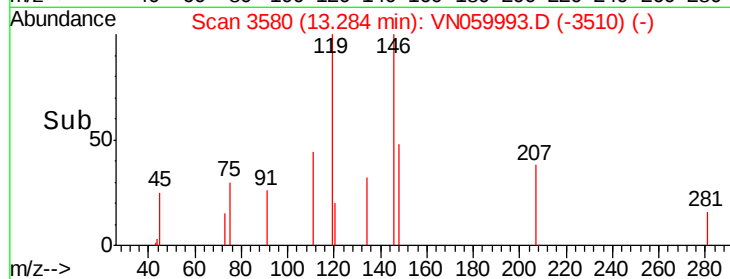
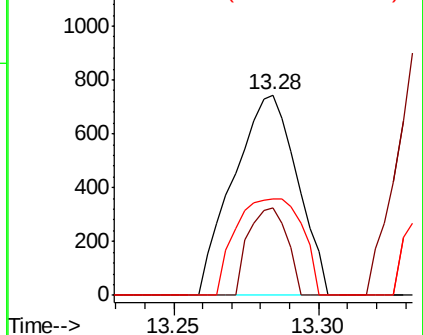
#88
 1,4-Dichlorobenzene
 Concen: 0.274 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.07 min
 Lab File: VN059993.D
 Acq: 4 Feb 2020 14:48

Instrument :
 MSVOA_N
 ClientSampleId :
 PB126559TB

Tot Ion:146 Resp: 1136
 Ion Ratio Lower Upper
 146 100
 111 26.6 20.8 62.2
 148 49.9 31.8 95.4

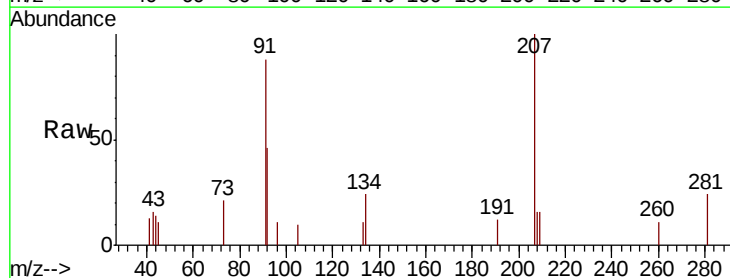


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

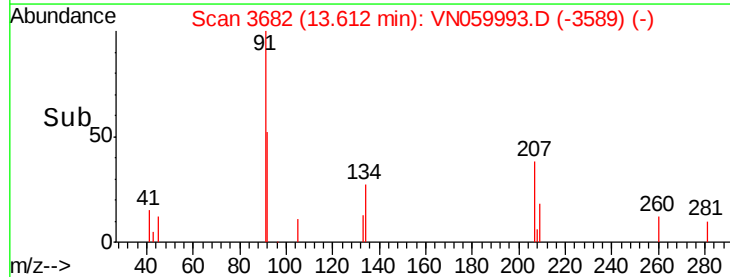
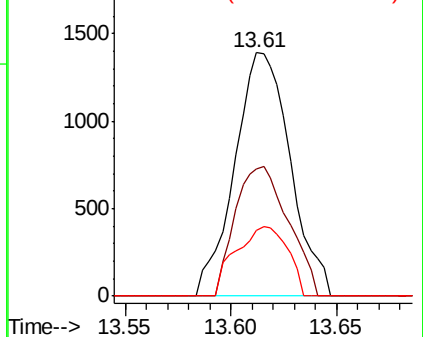


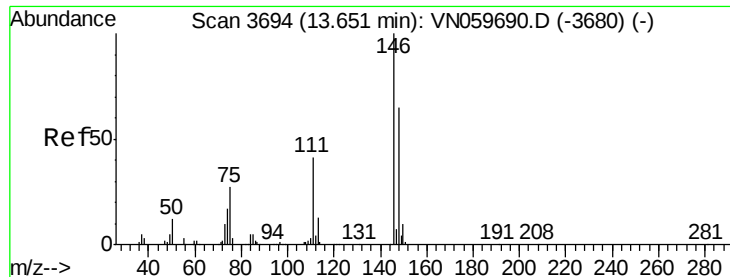
#89
 n-Butylbenzene
 Concen: 0.359 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN059993.D
 Acq: 4 Feb 2020 14:48

Tgt Ion: 91 Resp: 2557
 Ion Ratio Lower Upper
 91 100
 92 50.6 25.9 77.7
 134 26.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN
 Ion 92.00 (91.70 to 92.70): VN
 Ion 134.00 (133.70 to 134.70): V





#91

1,2-Dichlorobenzene

Concen: 0.231 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB126559TB

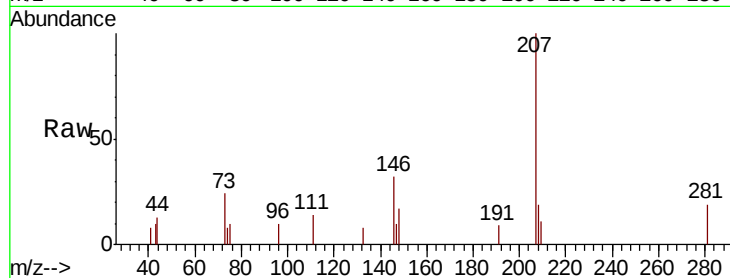
Tot Ion:146 Resp: 950

Ion Ratio Lower Upper

146 100

111 34.2 21.6 64.8

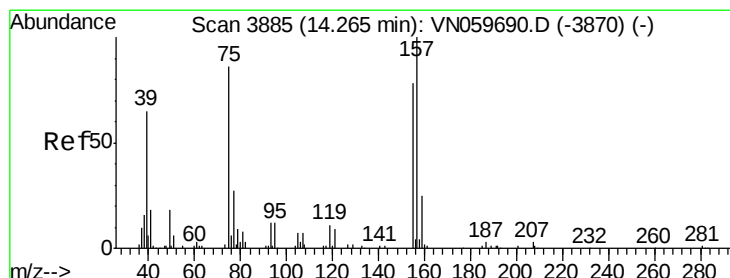
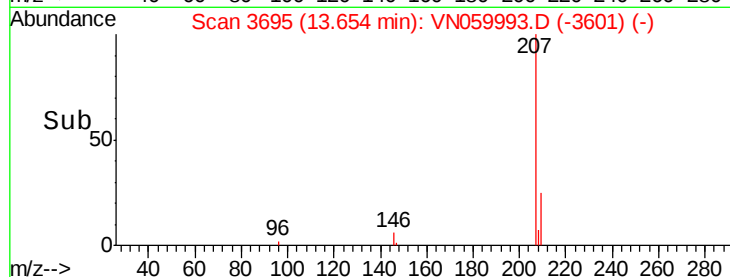
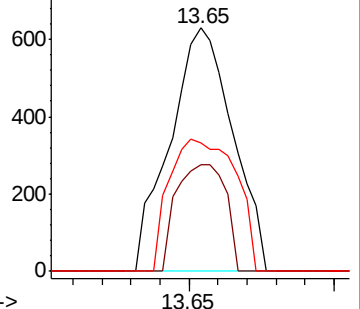
148 57.1 31.6 95.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.26 min Scan# 3883

Delta R.T. -0.01 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

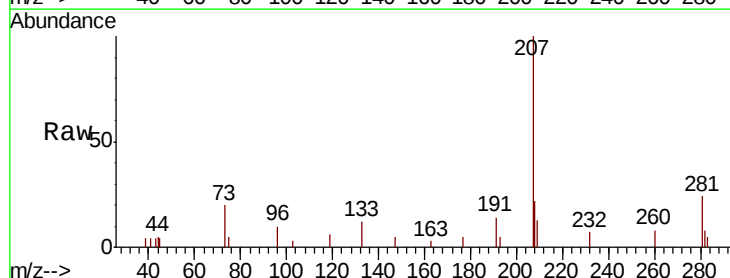
Tgt Ion: 75 Resp: 187

Ion Ratio Lower Upper

75 100

155 0.0 37.0 110.9#

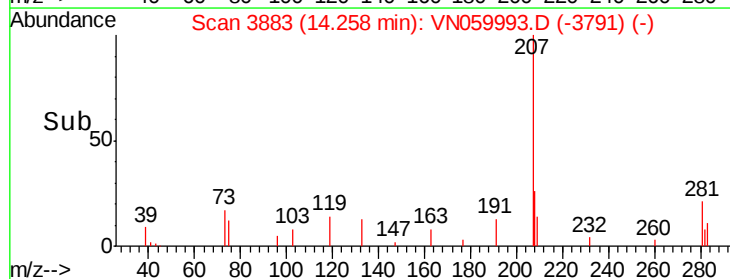
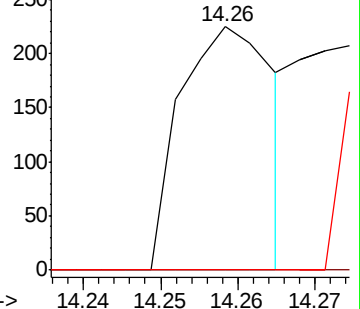
157 33.7 48.4 145.2#

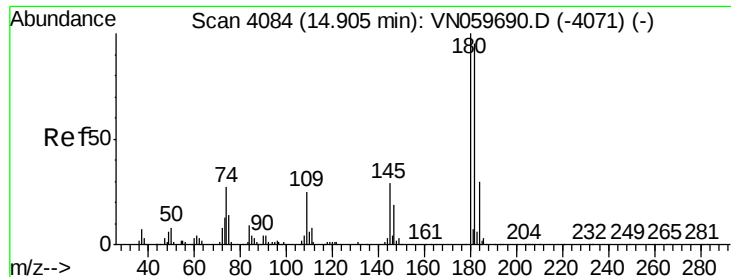


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.945 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB126559TB

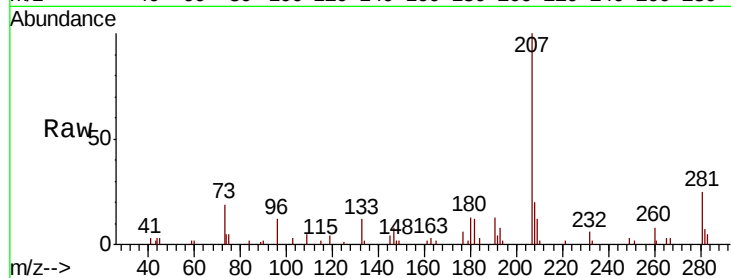
Tot Ion:180 Resp: 2335

Ion Ratio Lower Upper

180 100

182 83.8 46.9 140.7

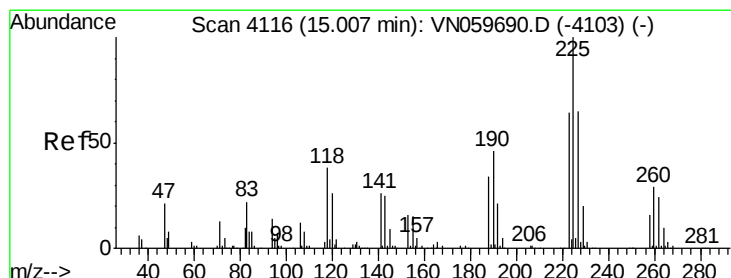
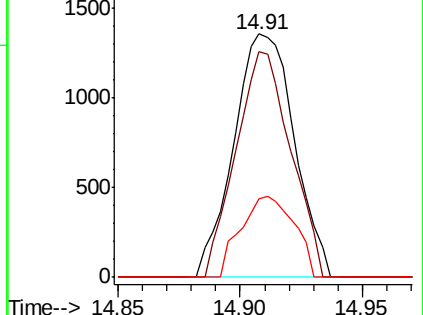
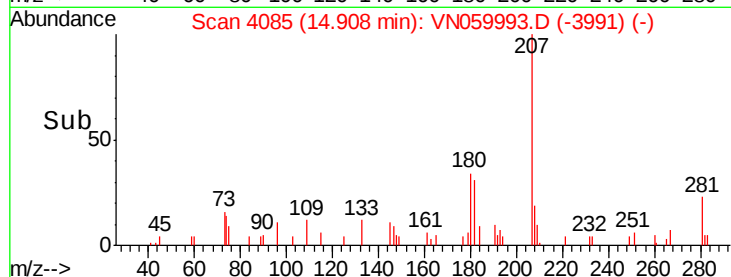
145 29.4 15.0 45.1



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.535 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. 0.00 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

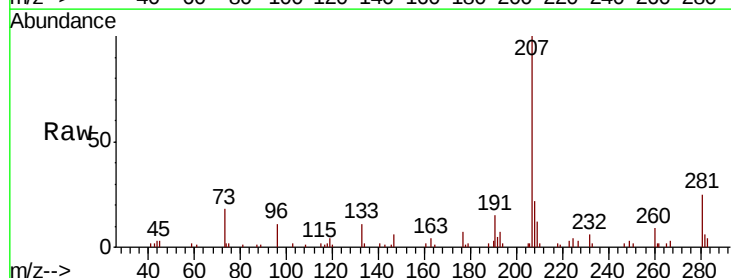
Tgt Ion:225 Resp: 728

Ion Ratio Lower Upper

225 100

223 69.2 31.8 95.3

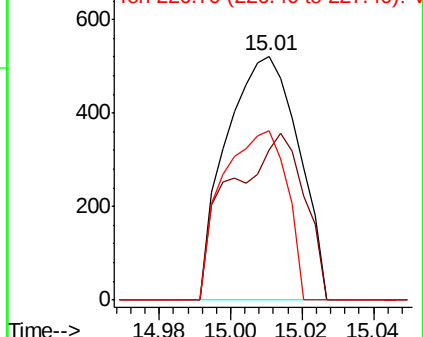
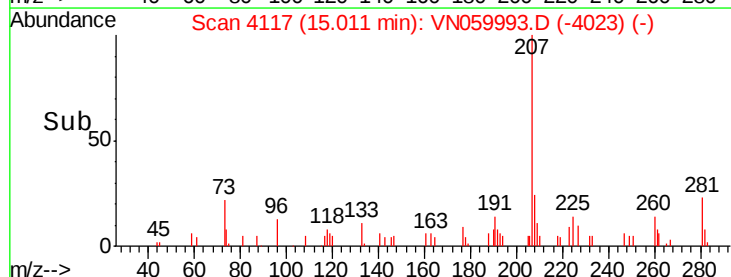
227 61.5 32.1 96.5

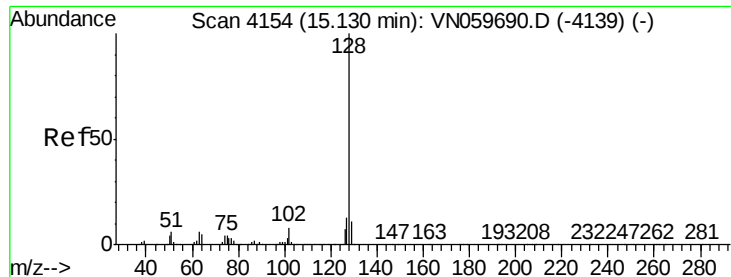


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.453 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

Instrument :

MSVOA_N

ClientSampleId :

PB126559TB

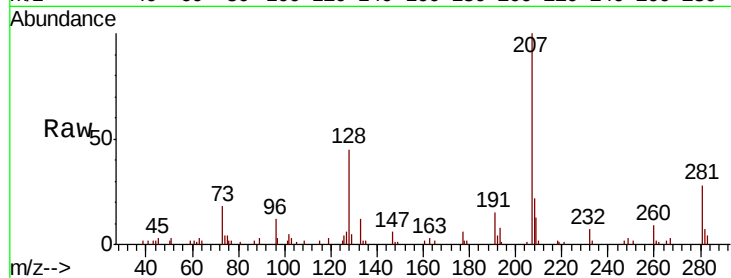
Tot Ion:128 Resp: 10204

Ion Ratio Lower Upper

128 100

127 14.3 10.4 15.6

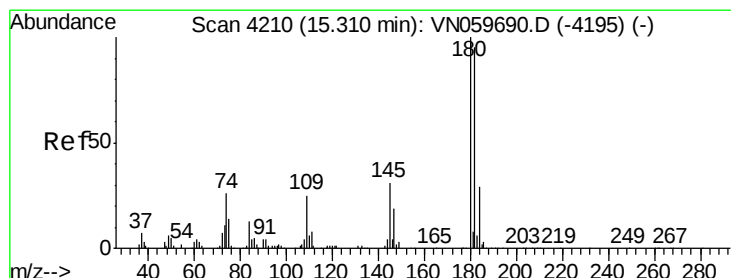
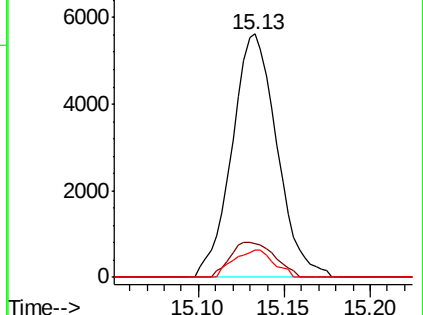
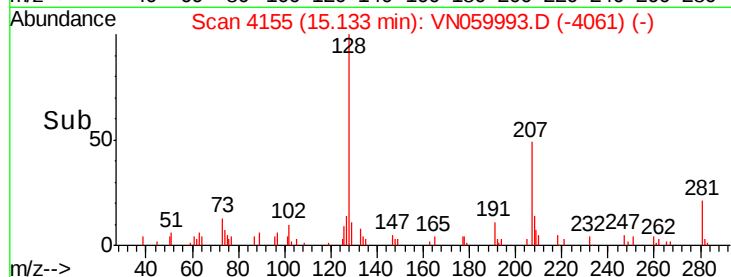
129 9.9 8.6 12.8



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: 1.242 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.01 min

Lab File: VN059993.D

Acq: 4 Feb 2020 14:48

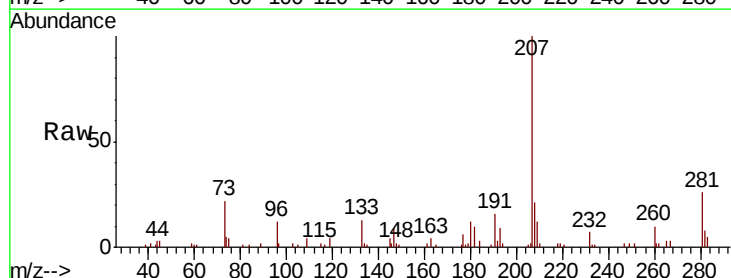
Tgt Ion:180 Resp: 2986

Ion Ratio Lower Upper

180 100

182 82.0 47.4 142.3

145 42.2 16.3 48.9



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

