

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
 Data File : VN060209.D
 Acq On : 24 Feb 2020 14:54
 Operator : JC/MD
 Sample : PB127001ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#02

Quant Time: Feb 24 15:50:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	185267	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	292129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	277006	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126278	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	109754	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.57	113	89165	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.08	98	358085	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	12.40	95	129115	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	

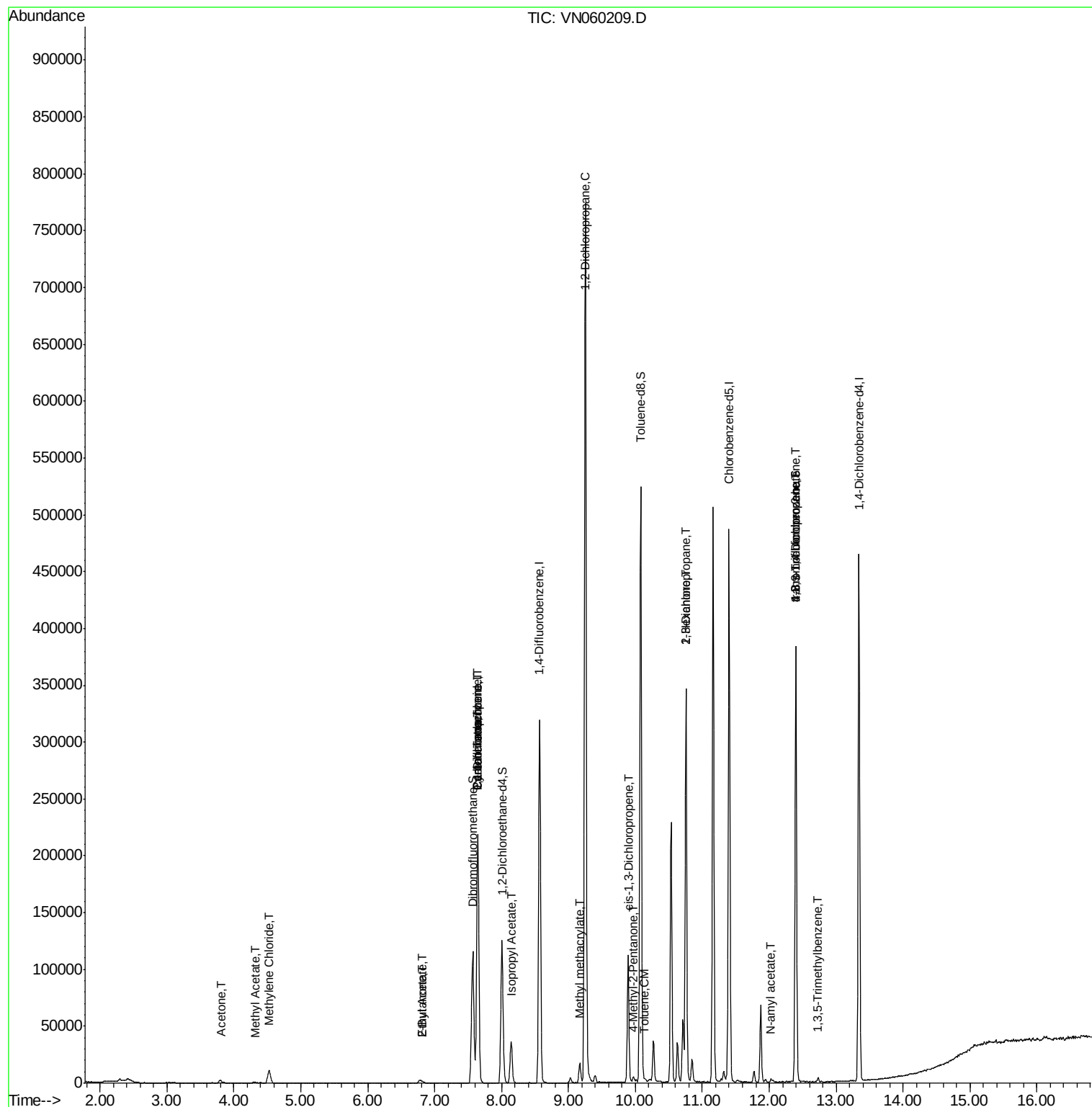
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	4800	4.88	ug/l	90
18) Methyl Acetate	4.31	43	687	0.37	ug/l #	50
20) Methylene Chloride	4.52	84	8930	4.55	ug/l	97
25) 2-Butanone	6.82	43	1909	1.54	ug/l #	46
31) Cyclohexane	7.64	56	3675	1.15	ug/l #	16
36) 1,1-Dichloropropene	7.64	75	13241	4.89	ug/l #	48
37) Ethyl Acetate	6.82	43	1909	0.78	ug/l #	68
38) Carbon Tetrachloride	7.64	117	16892	5.75	ug/l #	15
43) Isopropyl Acetate	8.14	43	43864	10.49	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	977	0.49	ug/l #	43
48) Methyl methacrylate	9.17	41	2274	1.21	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	3311	1.37	ug/l	90
52) Toluene	10.15	92	1096	0.21	ug/l	93
54) cis-1,3-Dichloropropene	9.89	75	20611	6.07	ug/l #	61
57) 1,3-Dichloropropane	10.75	76	3651	1.10	ug/l #	43
59) 2-Hexanone	10.76	43	49561	26.52	ug/l #	52
74) N-amyl acetate	12.03	43	2400	0.71	ug/l #	43
76) 1,2,3-Trichloropropane	12.40	75	65965	27.30	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2354	0.30	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	65965	66.85	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.49	75	92	Below Cal	#	1

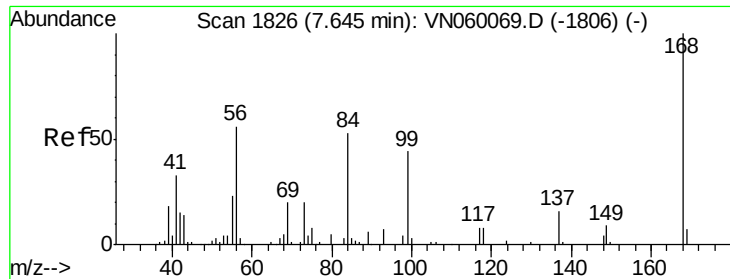
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN022420\
Data File : VN060209.D
Acq On : 24 Feb 2020 14:54
Operator : JC/MD
Sample : PB127001ZHE#02
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#02

Quant Time: Feb 24 15:50:36 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060209.D

Acq: 24 Feb 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

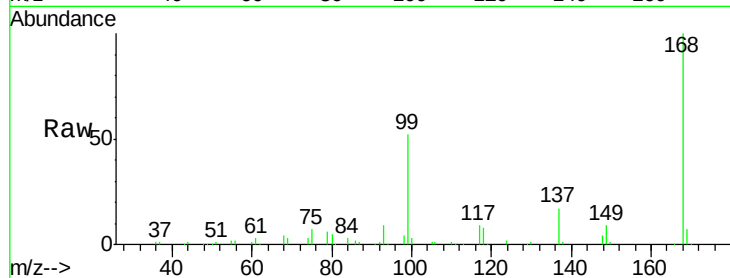
PB127001ZHE#02

Tgt Ion:168 Resp: 185267

Ion Ratio Lower Upper

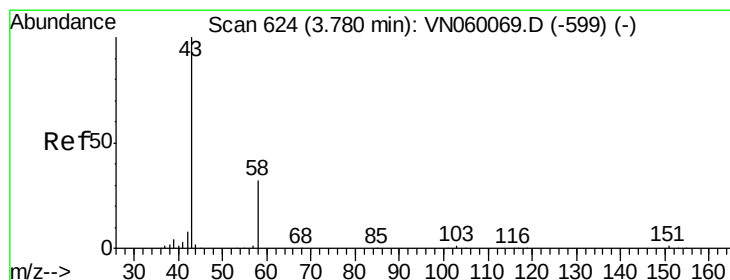
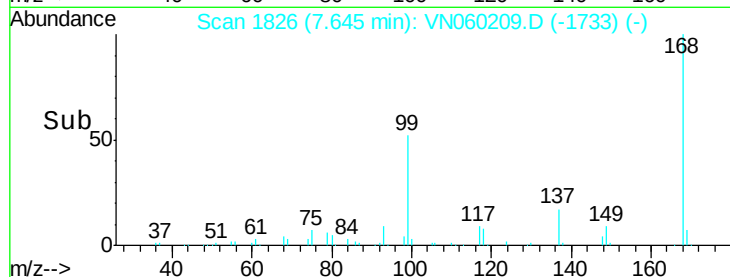
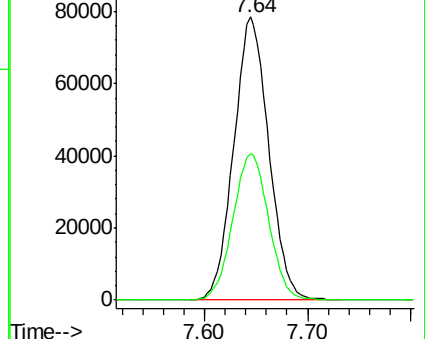
168 100

99 51.9 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#16

Acetone

Concen: 4.88 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.02 min

Lab File: VN060209.D

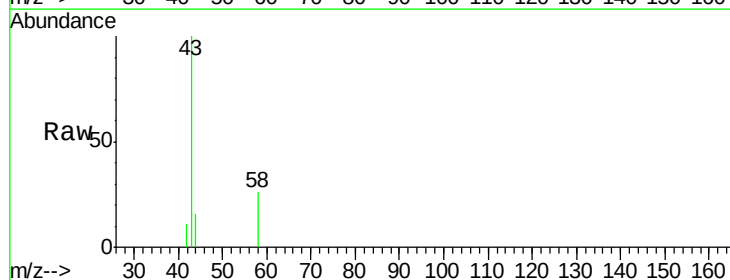
Acq: 24 Feb 2020 14:54

Tgt Ion: 43 Resp: 4800

Ion Ratio Lower Upper

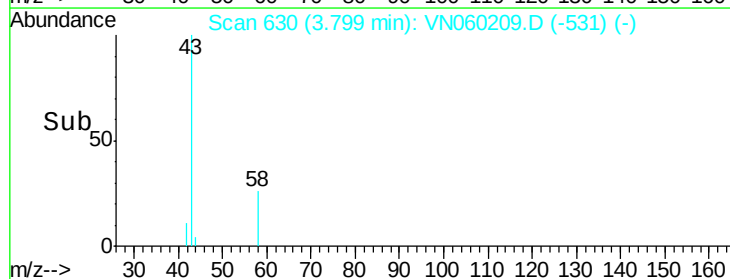
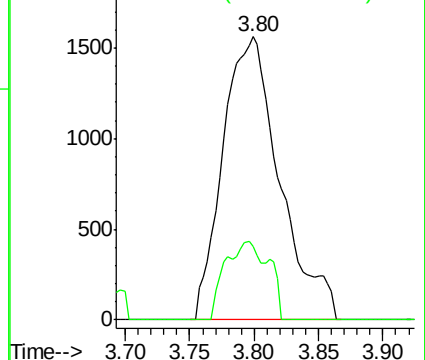
43 100

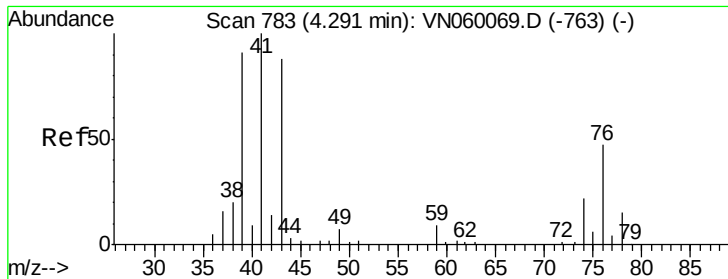
58 26.1 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN





#18

Methyl Acetate

Concen: 0.37 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.02 min

Lab File: VN060209.D

Acq: 24 Feb 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

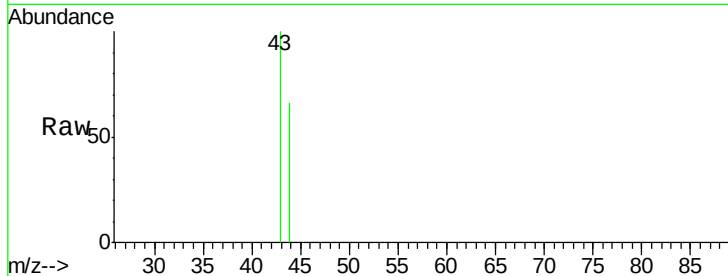
PB127001ZHE#02

Tgt Ion: 43 Resp: 687

Ion Ratio Lower Upper

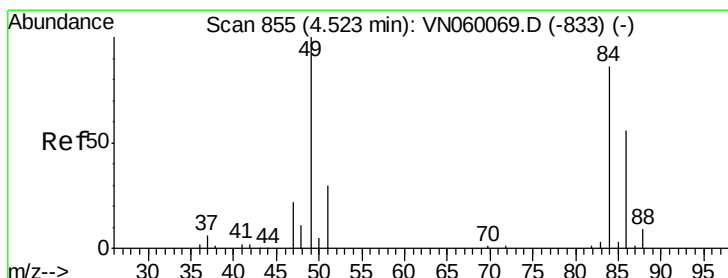
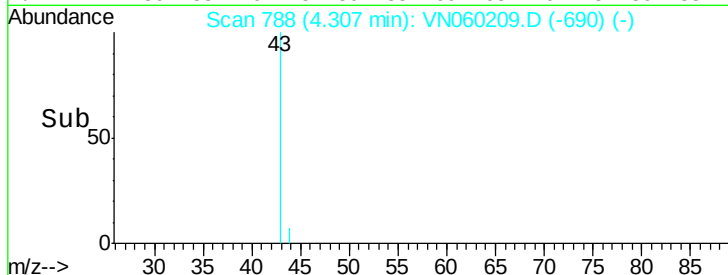
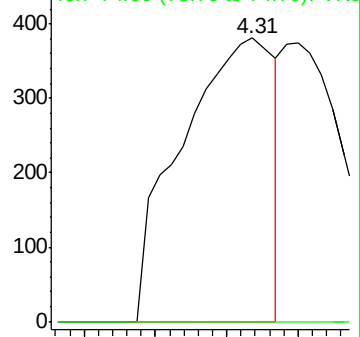
43 100

74 0.0 20.3 30.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0



#20

Methylene Chloride

Concen: 4.55 ug/l

RT: 4.52 min Scan# 855

Delta R.T. -0.00 min

Lab File: VN060209.D

Acq: 24 Feb 2020 14:54

Tgt Ion: 84 Resp: 8930

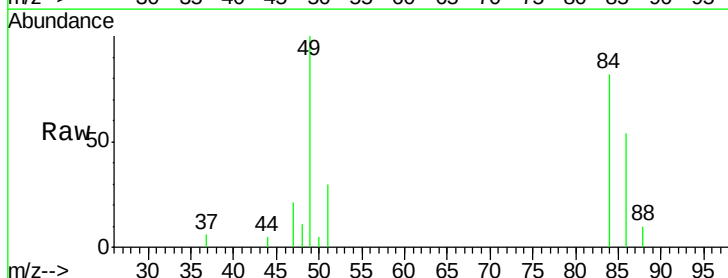
Ion Ratio Lower Upper

84 100

49 122.6 93.4 140.0

51 37.2 28.4 42.6

86 66.0 52.5 78.7

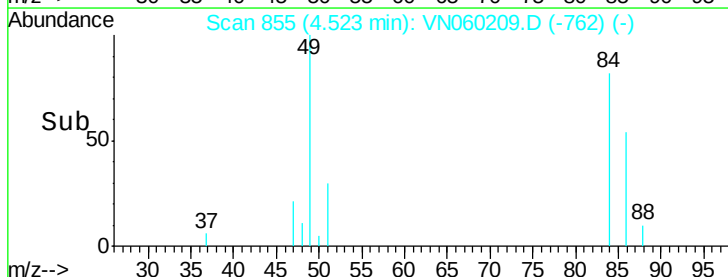
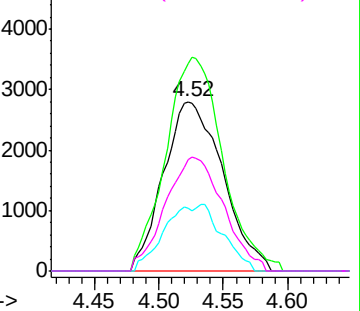


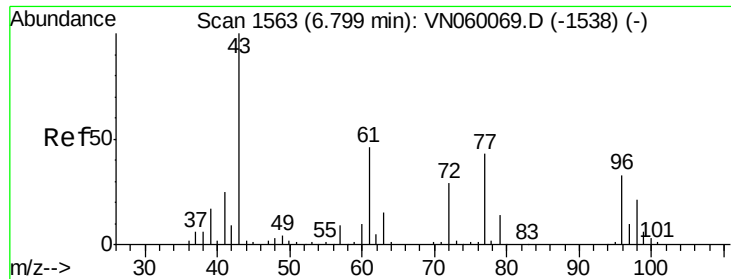
Abundance Ion 83.90 (83.60 to 84.60): VN0

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

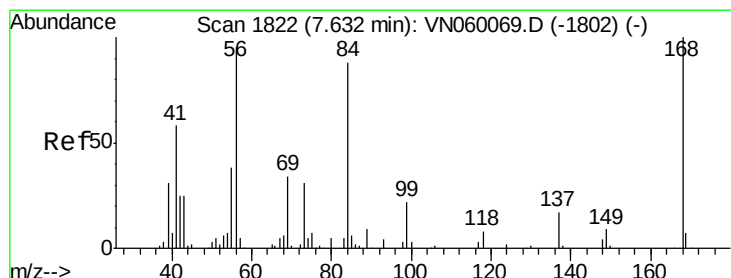
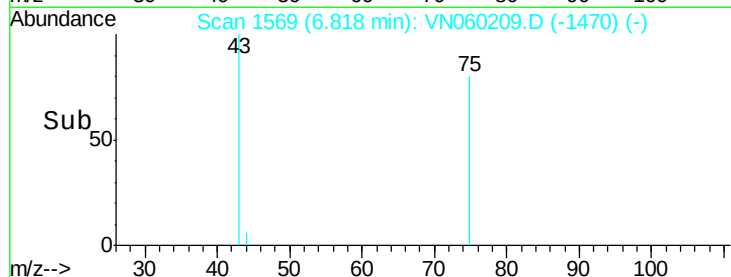
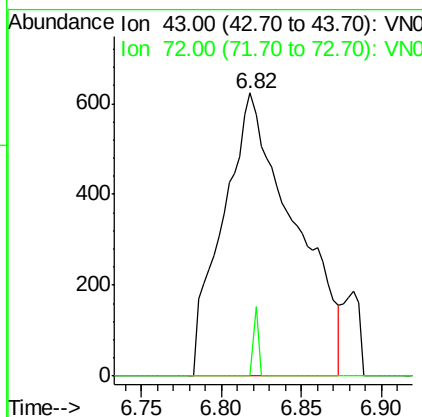
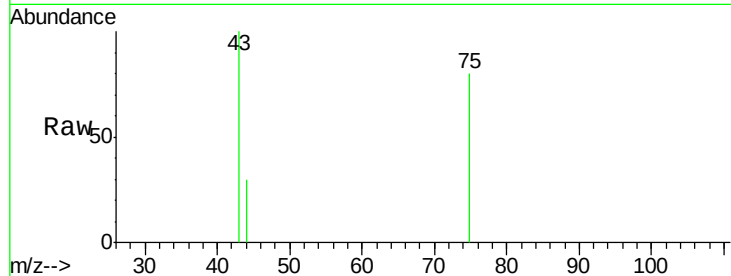




#25
2-Butanone
Concen: 1.54 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. 0.02 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

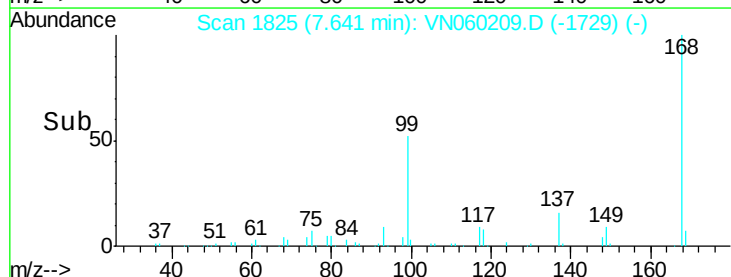
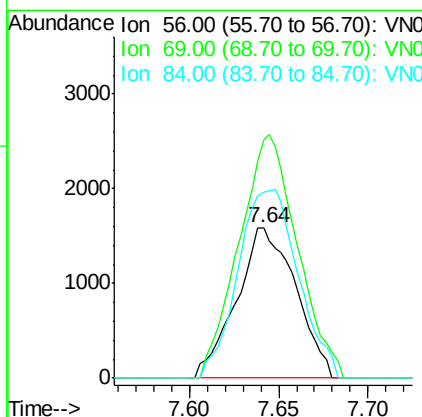
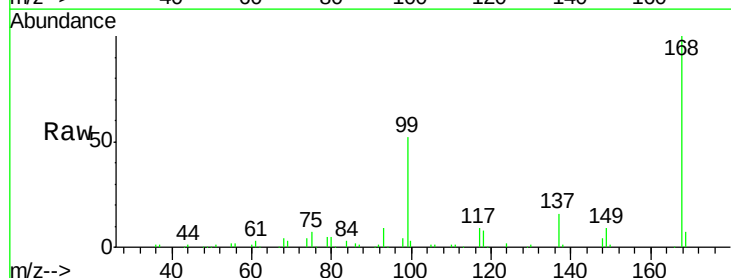
Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#02

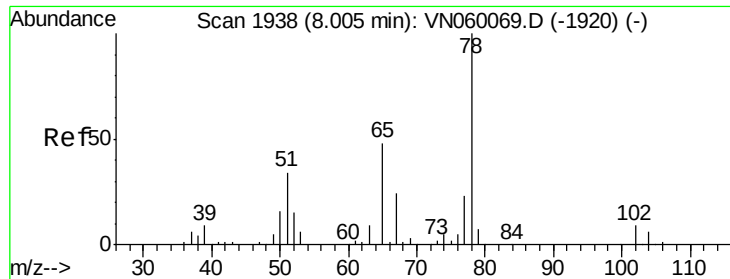
Tgt Ion: 43 Resp: 1909
Ion Ratio Lower Upper
43 100
72 0.0 23.3 34.9#



#31
Cyclohexane
Concen: 1.15 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

Tgt Ion: 56 Resp: 3675
Ion Ratio Lower Upper
56 100
69 158.6 28.3 42.5#
84 123.5 72.6 108.8#

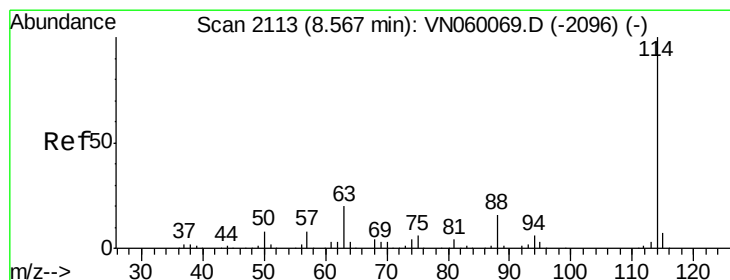
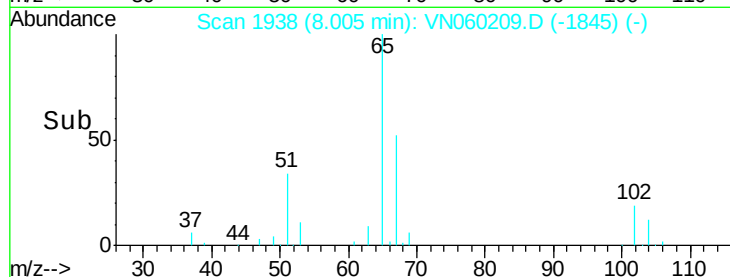
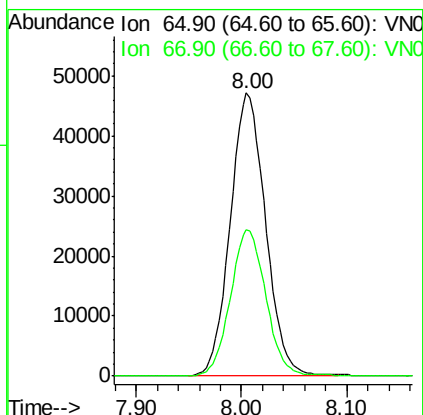
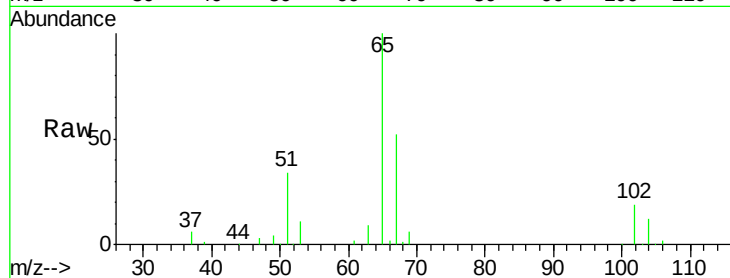




#33
 1,2-Dichloroethane-d4
 Concen: 48.68 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060209.D
 Acq: 24 Feb 2020 14:54

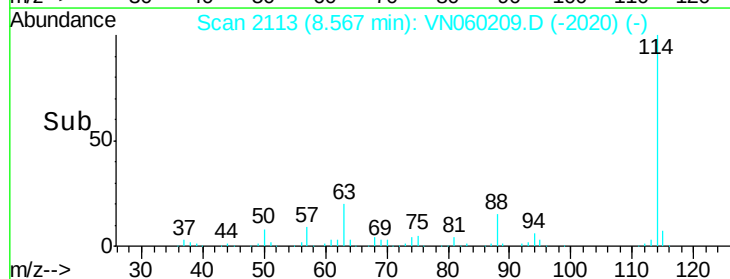
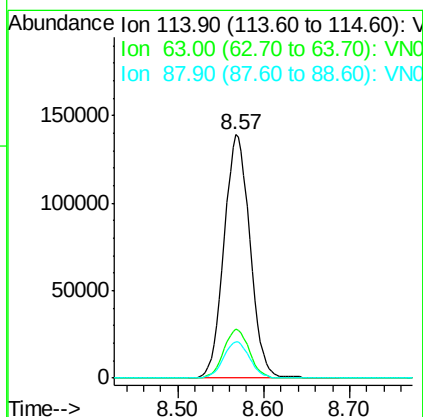
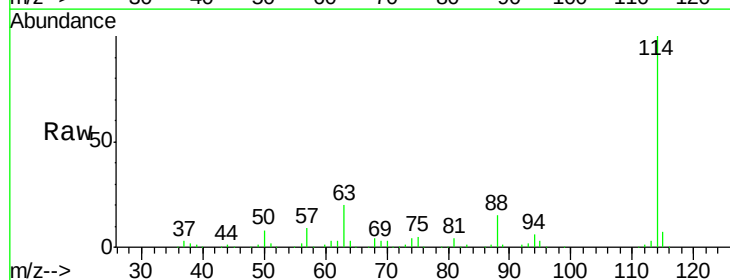
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#02

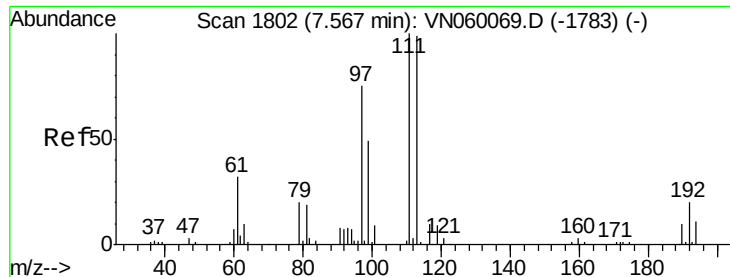
Tgt Ion: 65 Resp: 109754
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060209.D
 Acq: 24 Feb 2020 14:54

Tgt Ion: 114 Resp: 292129
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.0
 88 15.1 0.0 31.6

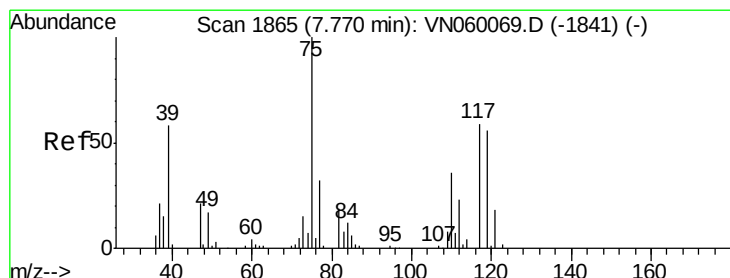
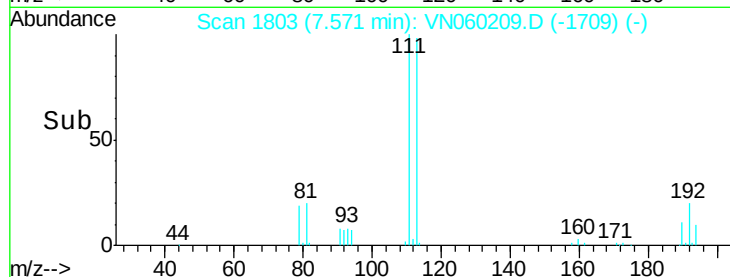
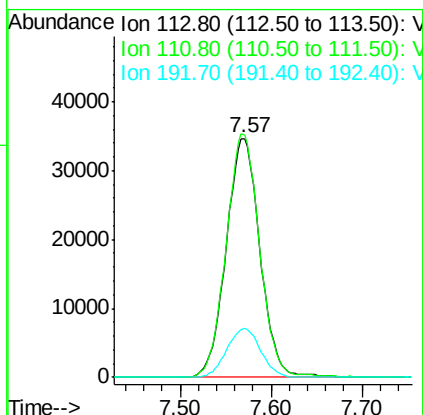
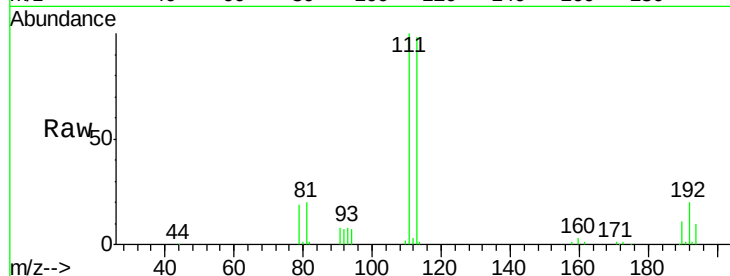




#35
Dibromofluoromethane
Concen: 49.65 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

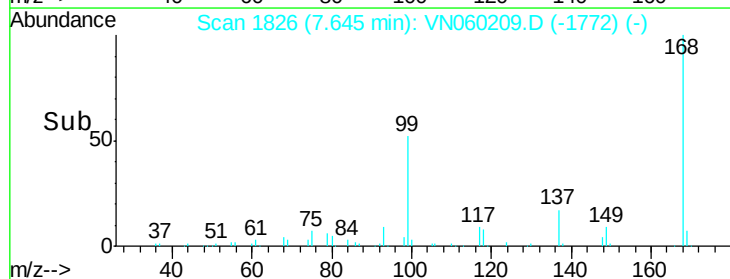
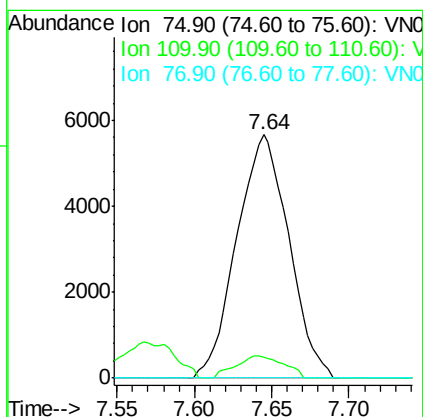
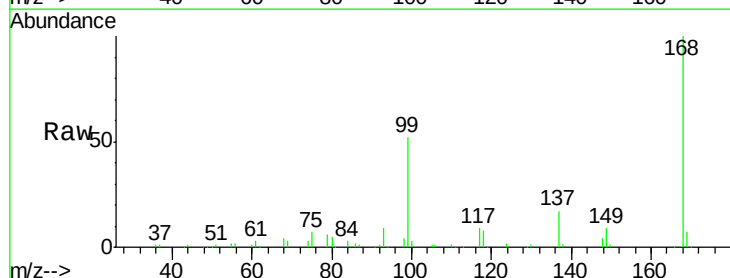
Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#02

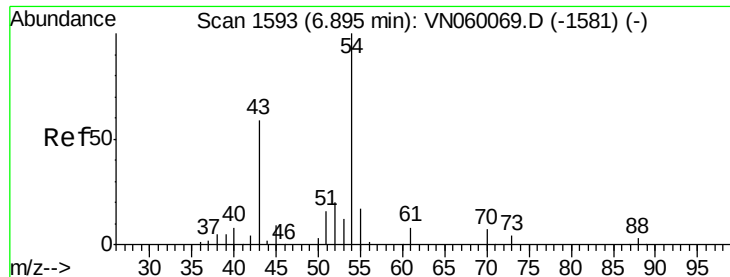
Tgt Ion: 113 Resp: 89165
Ion Ratio Lower Upper
113 100
111 100.3 81.4 122.2
192 20.4 16.2 24.2



#36
1,1-Dichloropropene
Concen: 4.89 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.13 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

Tgt Ion: 75 Resp: 13241
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.3#
77 0.0 25.1 37.7#

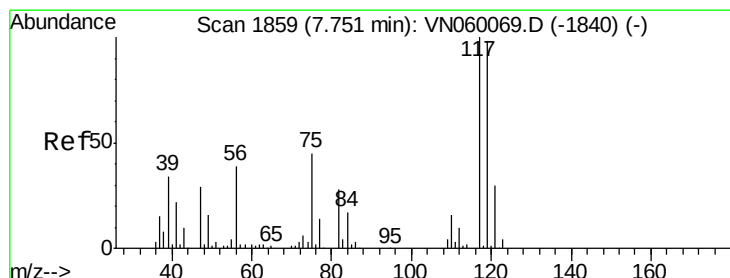
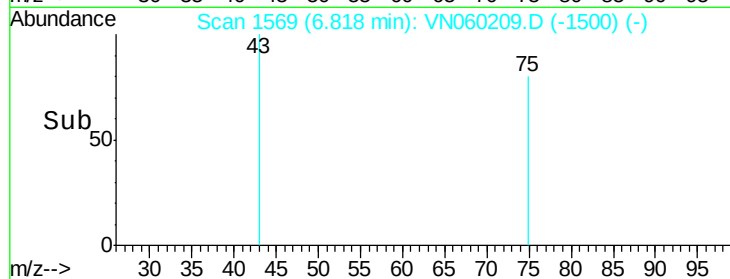
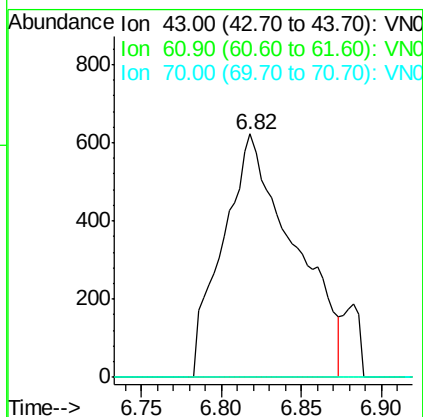
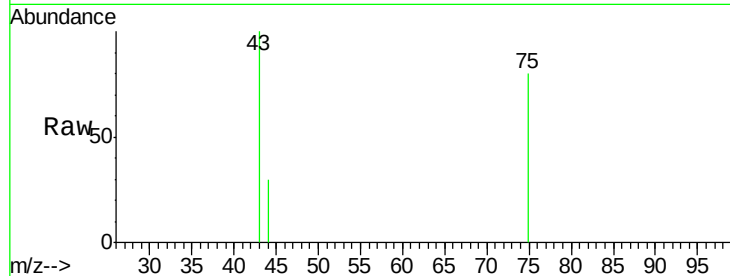




#37
Ethyl Acetate
 Concen: 0.78 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. -0.08 min
 Lab File: VN060209.D
 Acq: 24 Feb 2020 14:54

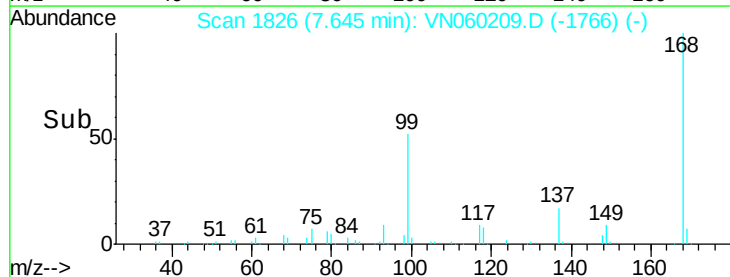
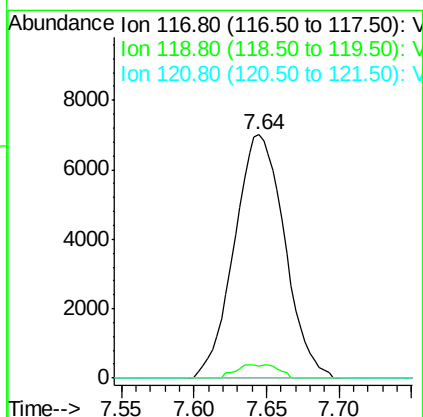
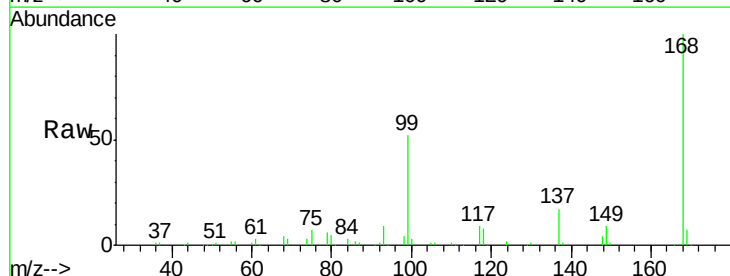
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#02

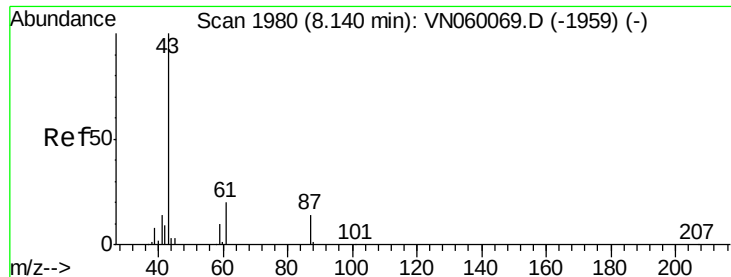
Tgt Ion: 43 Resp: 1909
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.4 17.2#
 70 0.0 8.7 13.1#



#38
Carbon Tetrachloride
 Concen: 5.75 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060209.D
 Acq: 24 Feb 2020 14:54

Tgt Ion: 117 Resp: 16892
 Ion Ratio Lower Upper
 117 100
 119 5.1 78.2 117.4#
 121 0.0 24.2 36.2#





#43

Isopropyl Acetate

Concen: 10.49 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060209.D

Acq: 24 Feb 2020 14:54

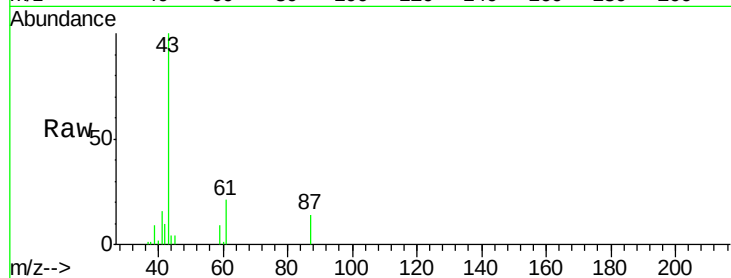
Instrument :

MSVOA_N

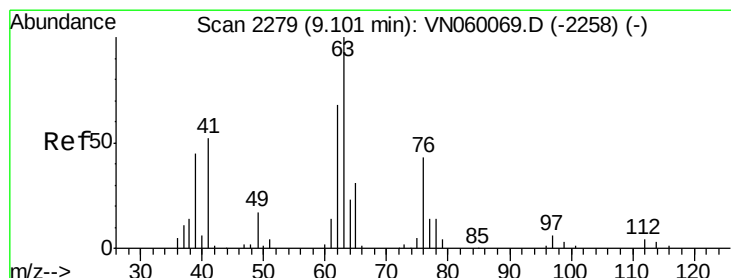
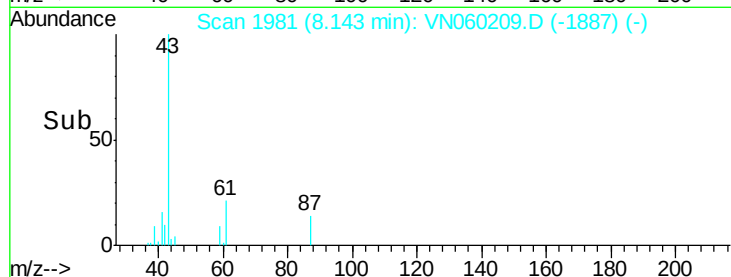
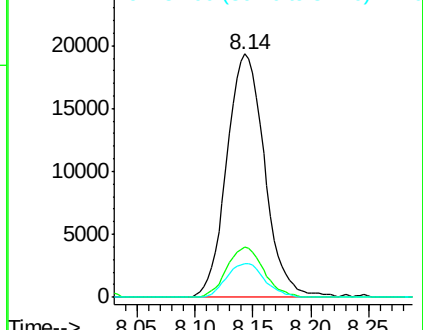
ClientSampleId :

PB127001ZHE#02

Tgt Ion:	43	Resp:	43864
Ion	Ratio	Lower	Upper
43	100		
61	20.1	21.8	32.6#
87	13.9	11.4	17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.49 ug/l

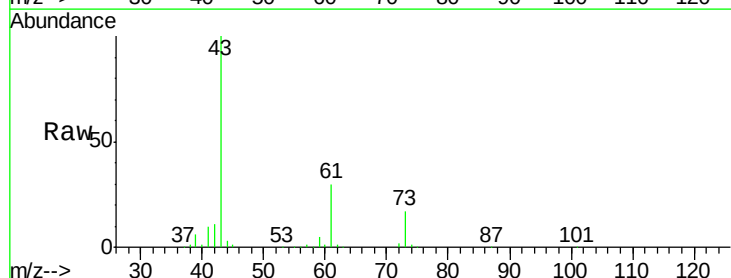
RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

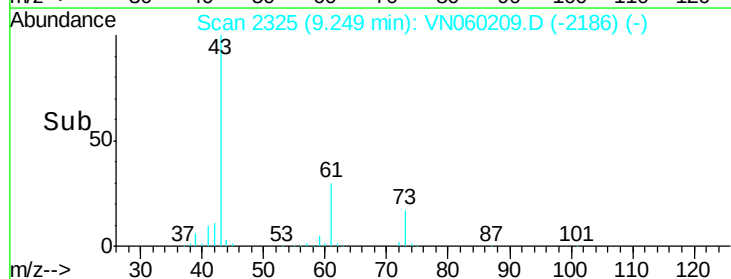
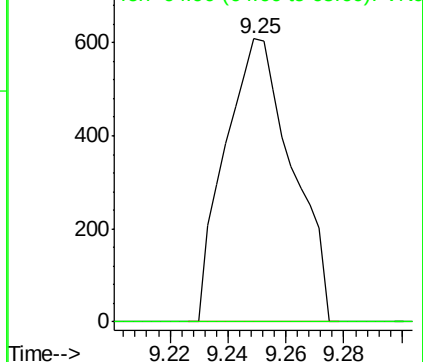
Lab File: VN060209.D

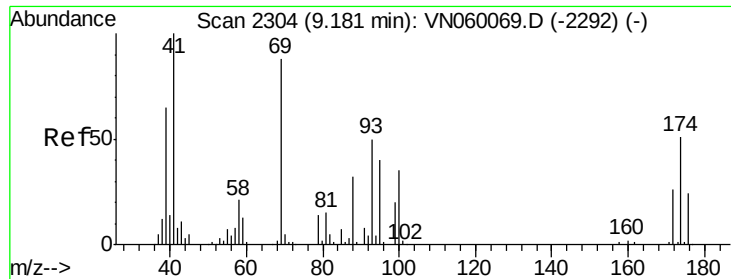
Acq: 24 Feb 2020 14:54

Tgt Ion:	63	Resp:	977
Ion	Ratio	Lower	Upper
63	100		
65	0.0	25.0	37.4#



Abundance Ion 62.90 (62.60 to 63.60): VN060069.D (-2258) (-)

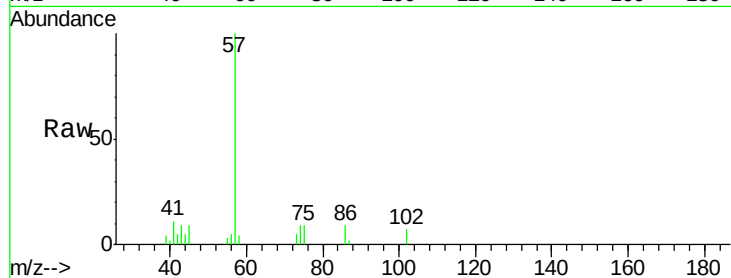




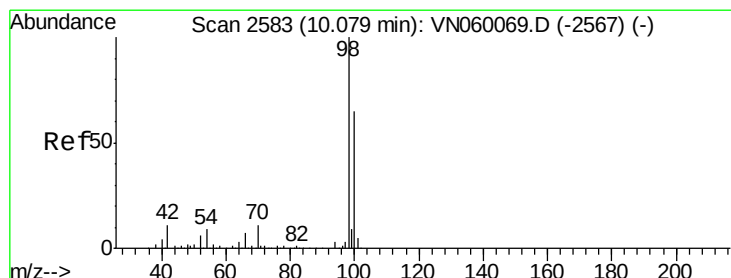
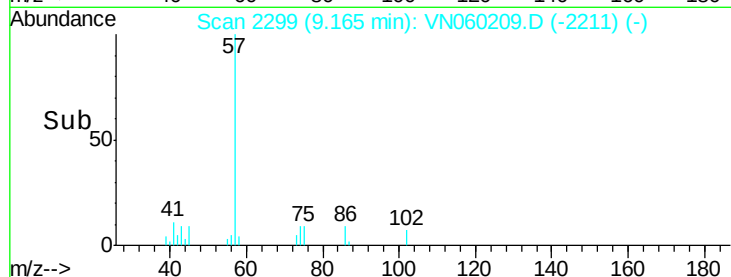
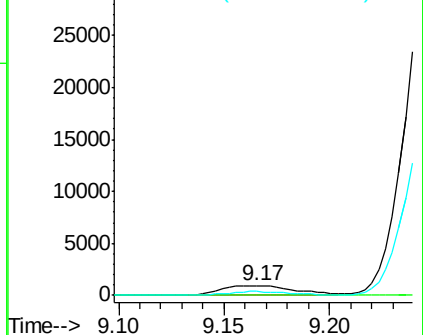
#48
Methyl methacrylate
Concen: 1.21 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#02

Tgt Ion: 41 Resp: 2274
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#

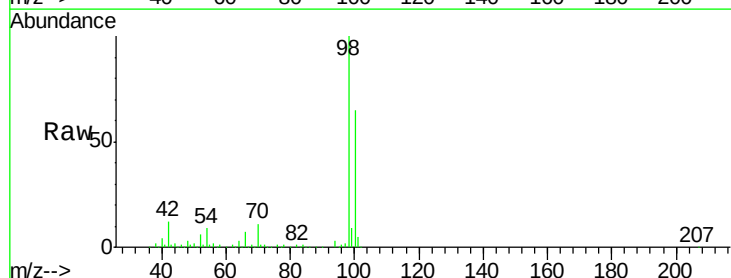


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

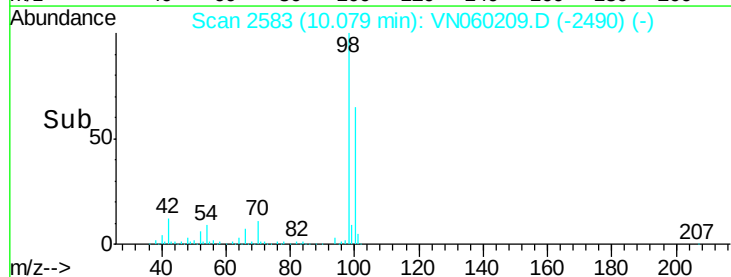
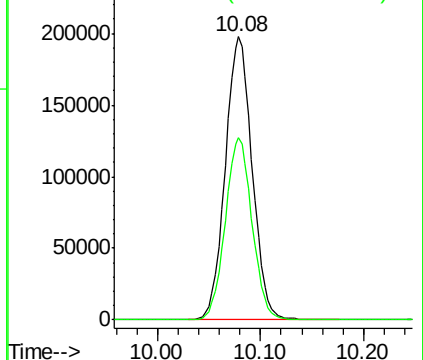


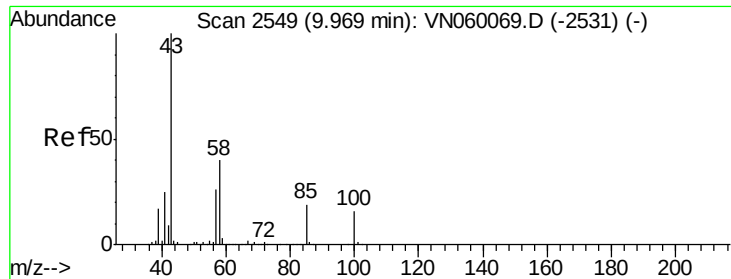
#50
Toluene-d8
Concen: 50.64 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

Tgt Ion: 98 Resp: 358085
Ion Ratio Lower Upper
98 100
100 64.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 1.37 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN060209.D

Acq: 24 Feb 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

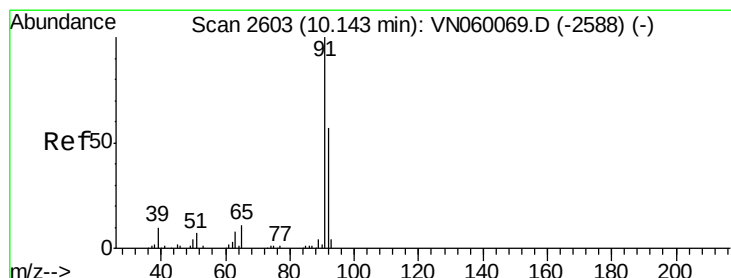
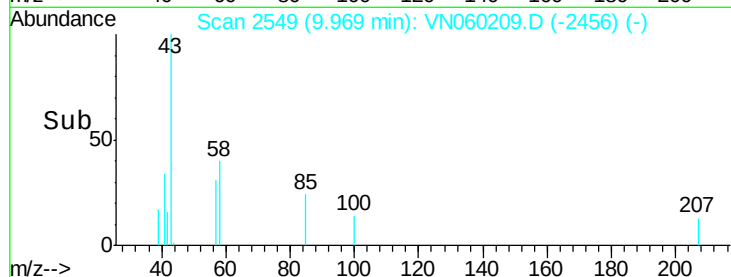
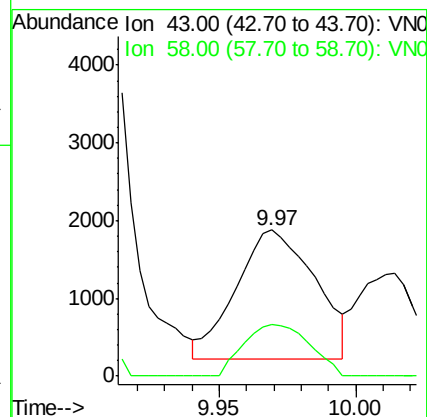
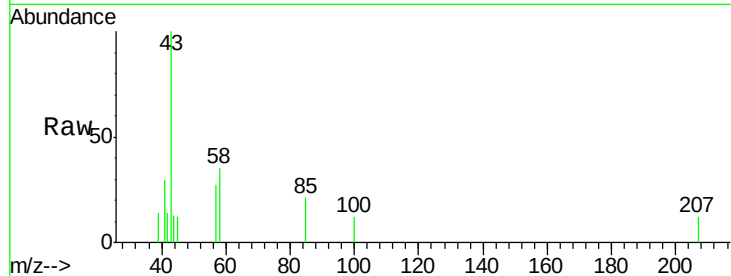
PB127001ZHE#02

Tgt Ion: 43 Resp: 3311

Ion Ratio Lower Upper

43 100

58 33.8 31.8 47.8



#52

Toluene

Concen: 0.21 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN060209.D

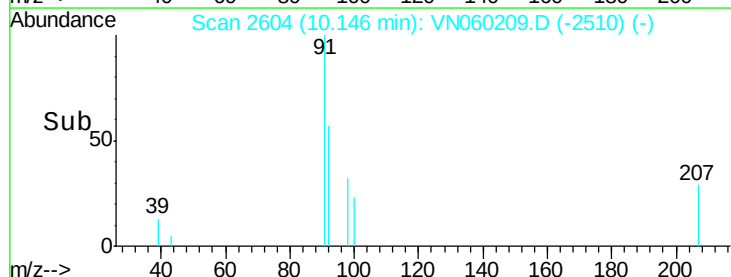
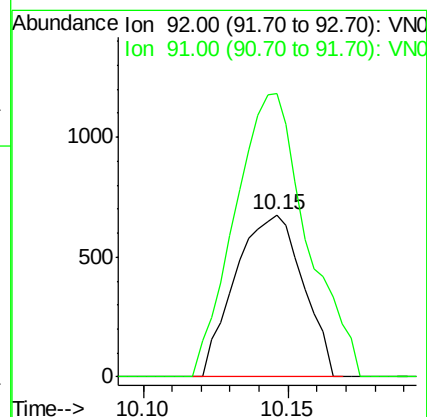
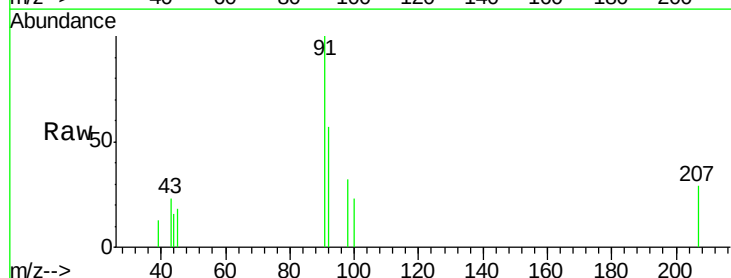
Acq: 24 Feb 2020 14:54

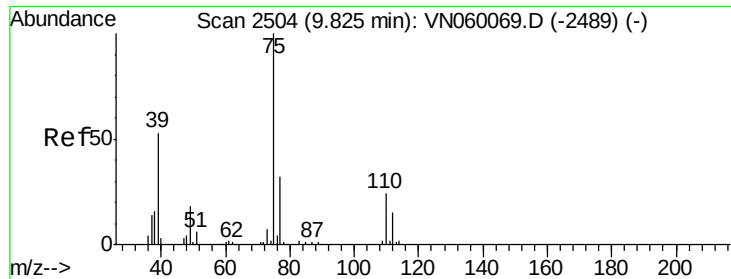
Tgt Ion: 92 Resp: 1096

Ion Ratio Lower Upper

92 100

91 186.5 140.9 211.3

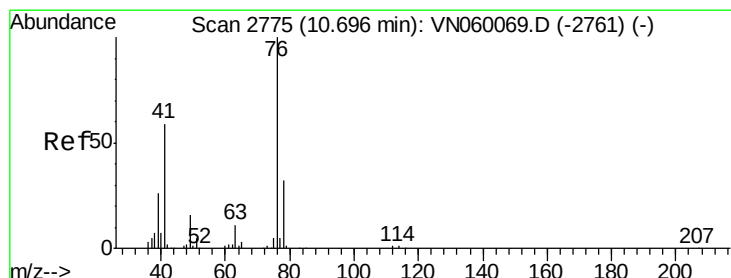
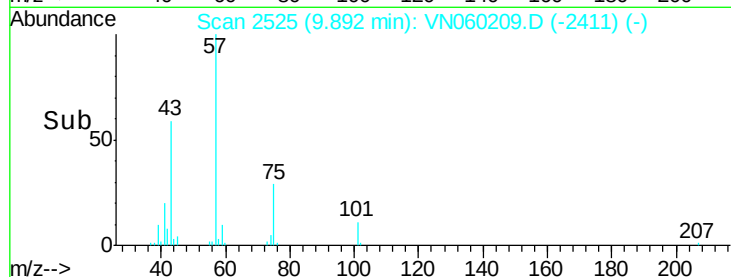
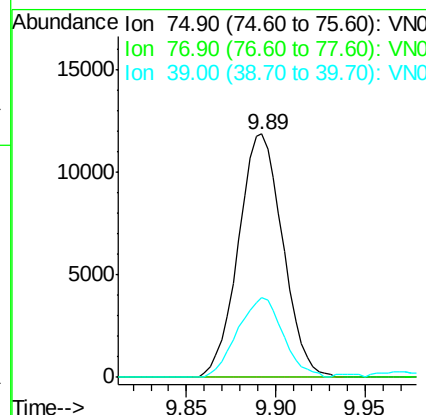
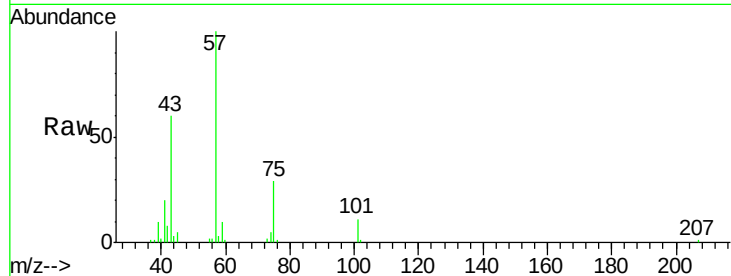




#54
 cis-1,3-Dichloropropene
 Concen: 6.07 ug/l
 RT: 9.89 min Scan# 2525
 Delta R.T. 0.07 min
 Lab File: VN060209.D
 Acq: 24 Feb 2020 14:54

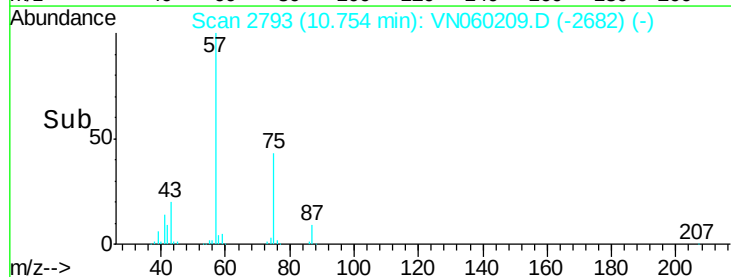
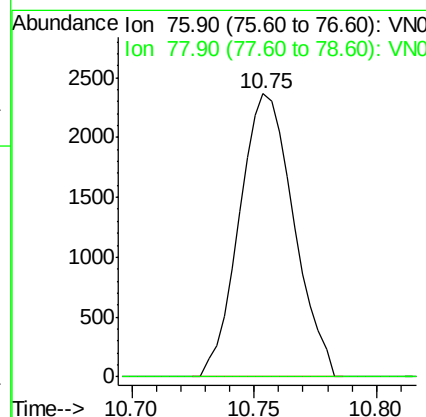
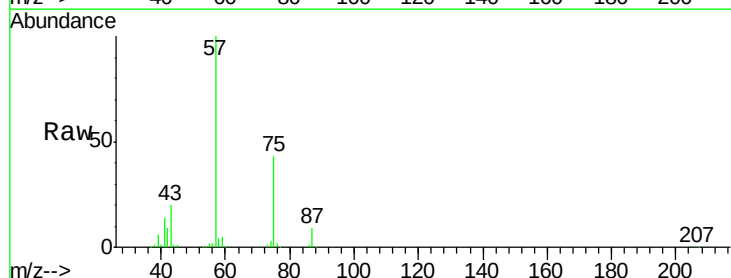
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#02

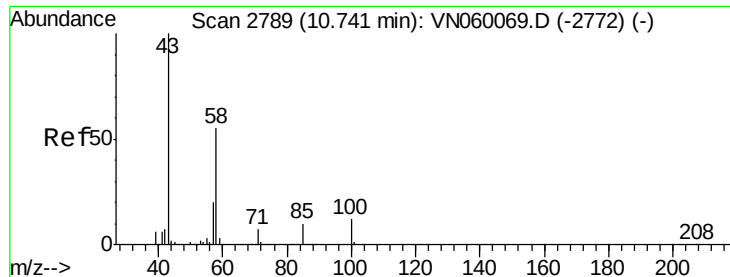
Tgt Ion: 75 Resp: 20611
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.6 38.4#
 39 32.7 42.2 63.4#



#57
 1,3-Dichloropropane
 Concen: 1.10 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060209.D
 Acq: 24 Feb 2020 14:54

Tgt Ion: 76 Resp: 3651
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#

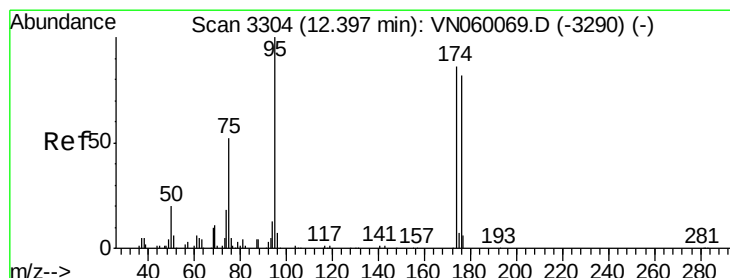
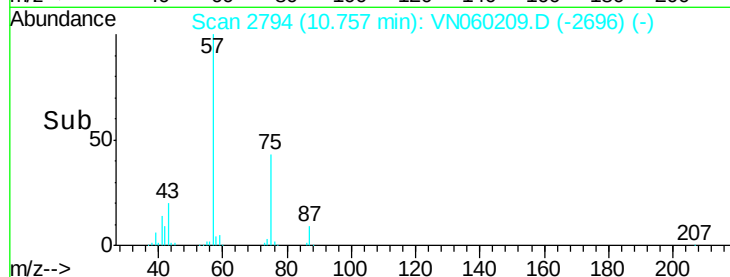
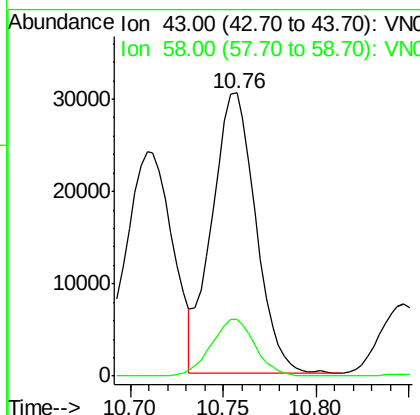
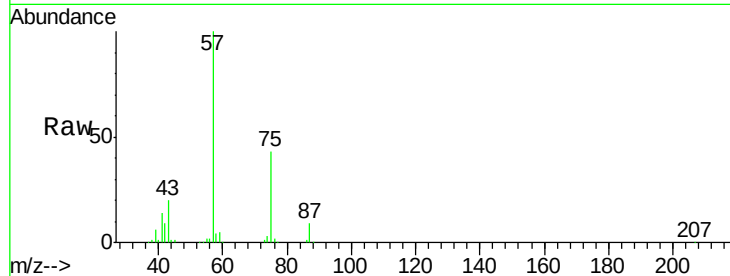




#59
2-Hexanone
Concen: 26.52 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.02 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

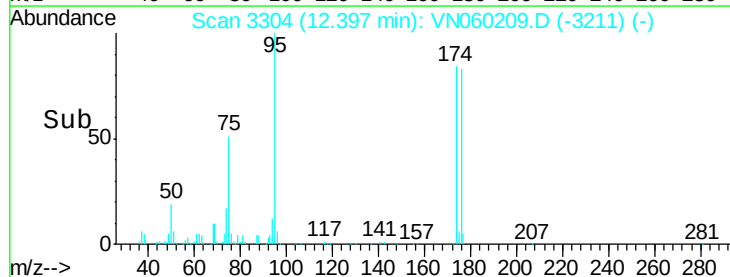
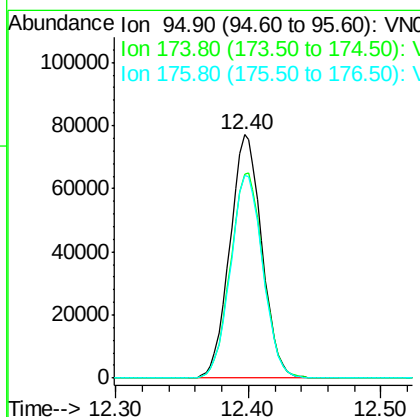
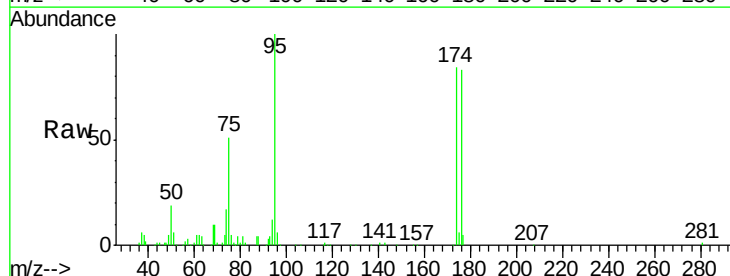
Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#02

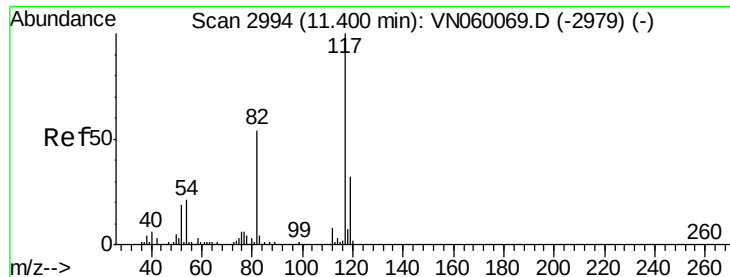
Tgt Ion: 43 Resp: 49561
Ion Ratio Lower Upper
43 100
58 20.2 27.5 82.4#



#62
4-Bromofluorobenzene
Concen: 49.69 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

Tgt Ion: 95 Resp: 129115
Ion Ratio Lower Upper
95 100
174 86.0 0.0 169.8
176 84.3 0.0 164.8

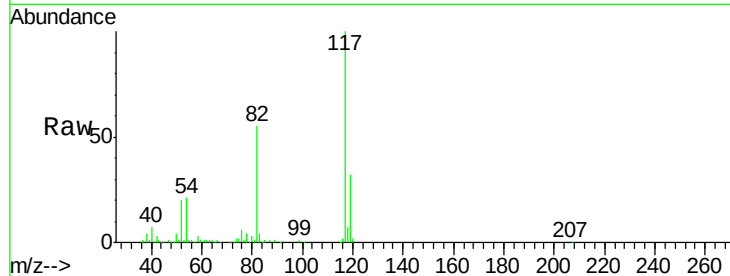




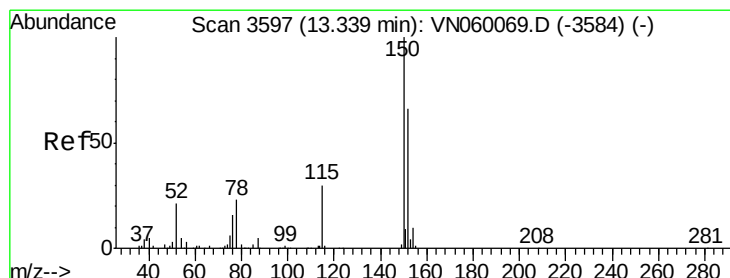
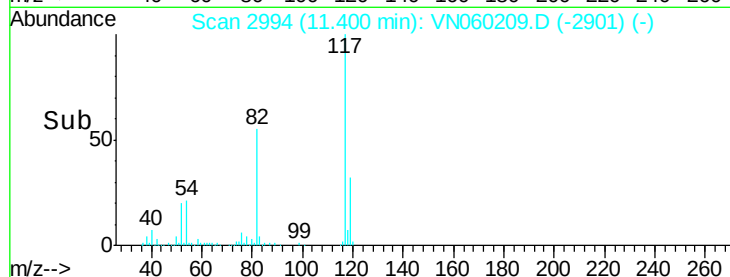
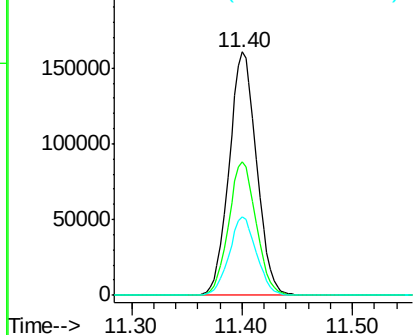
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

Instrument :
MSVOA_N
ClientSampleId :
PB127001ZHE#02

Tgt Ion:117 Resp: 277006
Ion Ratio Lower Upper
117 100
82 54.8 43.4 65.0
119 32.2 25.8 38.6

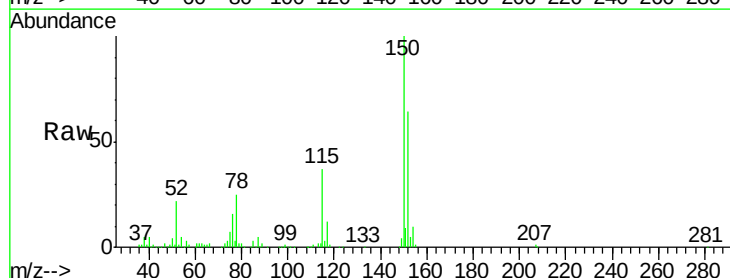


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

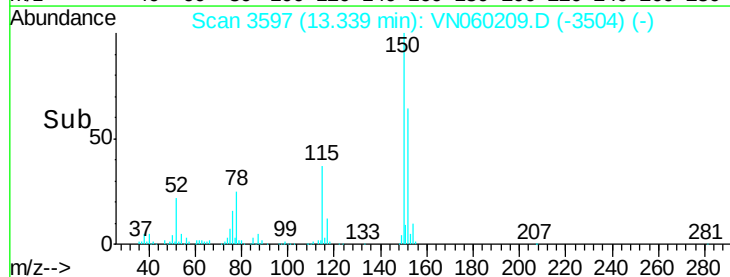
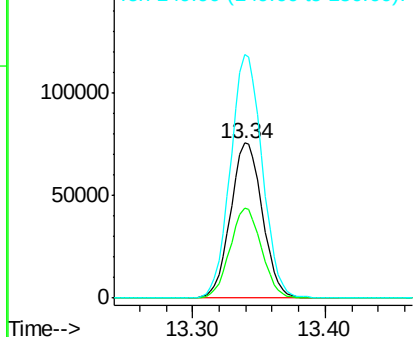


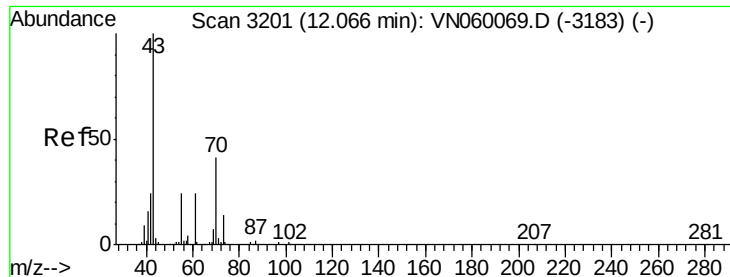
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060209.D
Acq: 24 Feb 2020 14:54

Tgt Ion:152 Resp: 126278
Ion Ratio Lower Upper
152 100
115 57.3 28.9 86.8
150 156.5 0.0 342.4



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





#74

N-ethyl acetate

Concen: 0.71 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN060209.D

Acq: 24 Feb 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#02

Tgt Ion: 43 Resp: 2400

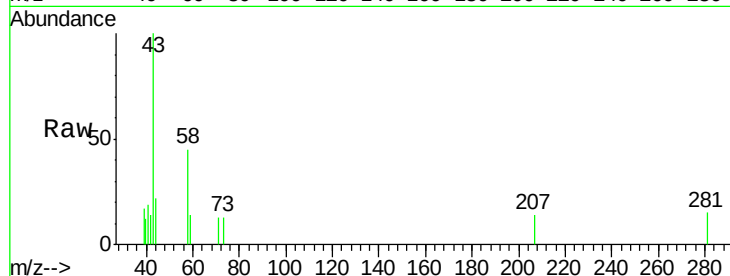
Ion Ratio Lower Upper

43 100

70 0.0 33.4 50.0#

55 0.0 18.8 28.2#

61 0.0 19.2 28.8#

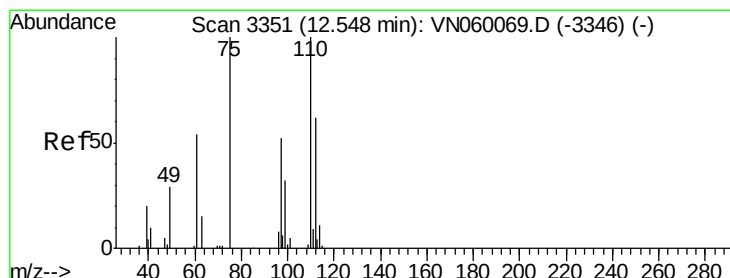
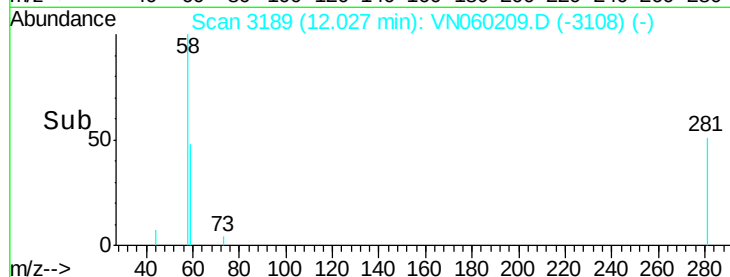
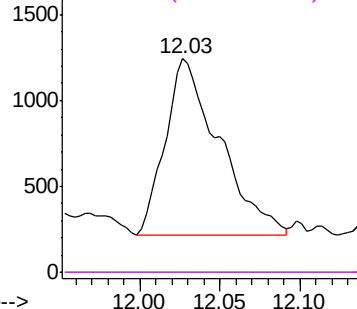


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 27.30 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060209.D

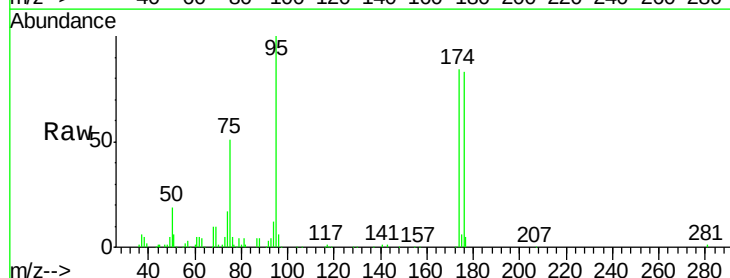
Acq: 24 Feb 2020 14:54

Tgt Ion: 75 Resp: 65965

Ion Ratio Lower Upper

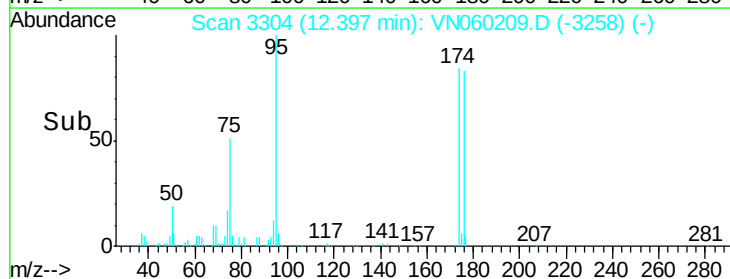
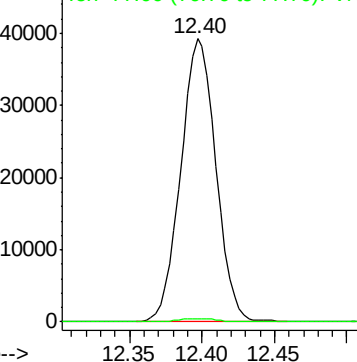
75 100

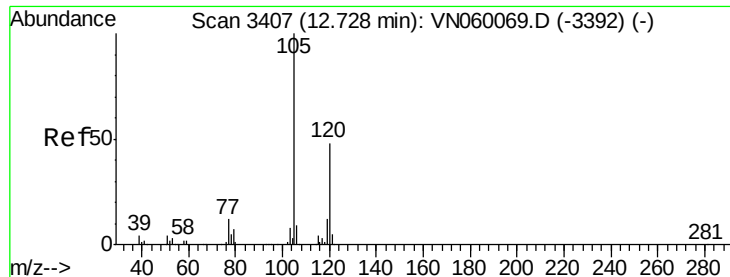
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

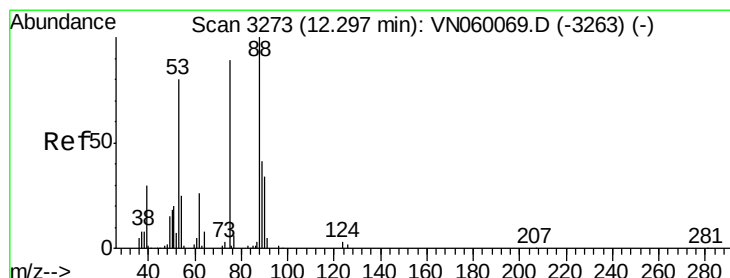
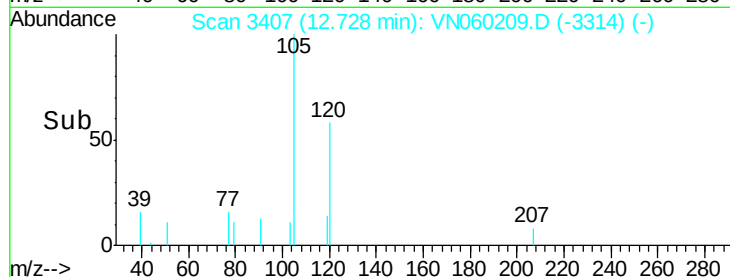
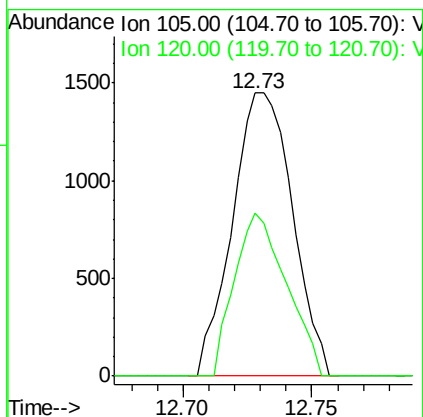
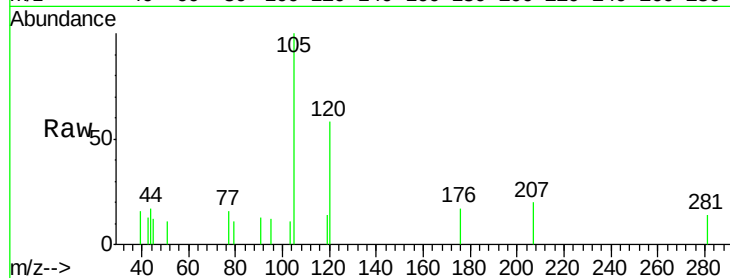




#80
 1,3,5-Trimethylbenzene
 Concen: 0.30 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN060209.D
 Acq: 24 Feb 2020 14:54

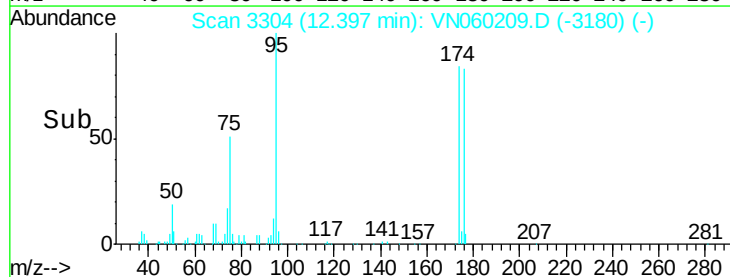
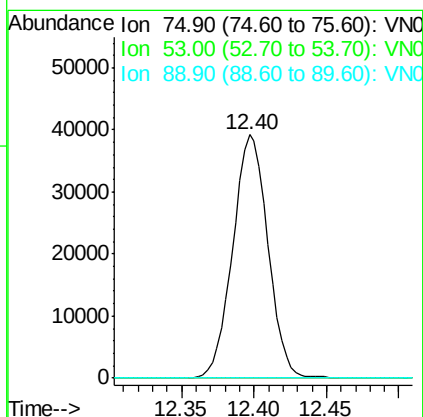
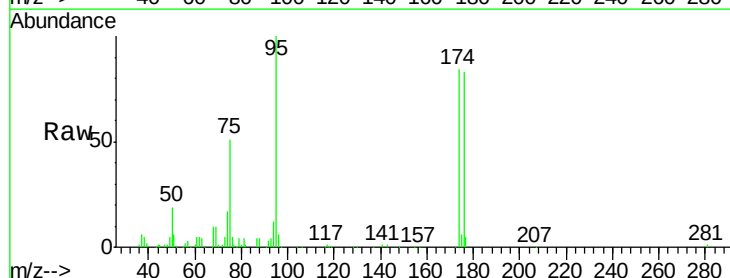
Instrument :
 MSVOA_N
 ClientSampleId :
 PB127001ZHE#02

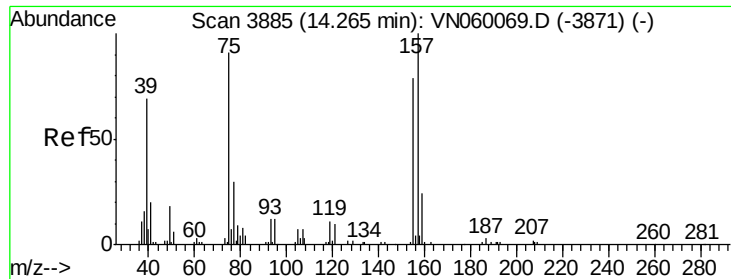
Tgt Ion: 105 Resp: 2354
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.85 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060209.D
 Acq: 24 Feb 2020 14:54

Tgt Ion: 75 Resp: 65965
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.0 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.49 min Scan# 3955

Delta R.T. 0.23 min

Lab File: VN060209.D

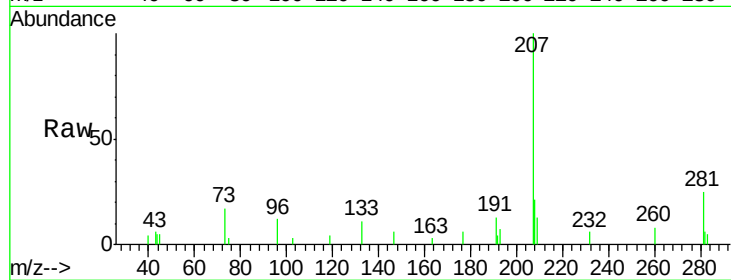
Acq: 24 Feb 2020 14:54

Instrument :

MSVOA_N

ClientSampleId :

PB127001ZHE#02



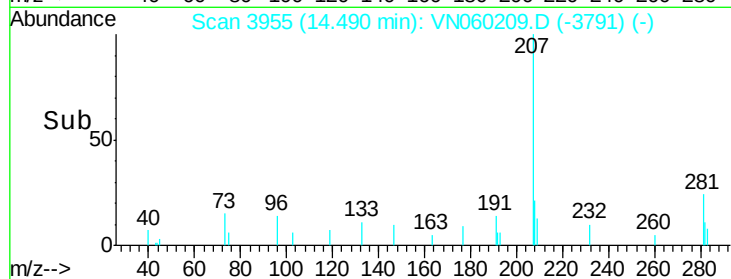
Tgt Ion: 75 Resp: 92

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

157 0.0 54.9 164.5#



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

