

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060093.D
 Acq On : 13 Feb 2020 14:36
 Operator : JC/MD
 Sample : PB126782ZHE#13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 04:56:40 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	186079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	292937	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	274627	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	125896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	110120	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	7.57	113	90198	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	10.08	98	355915	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
62) 4-Bromofluorobenzene	12.40	95	127653	48.99	ug/l	0.00
Spiked Amount			Recovery	=	97.98%	

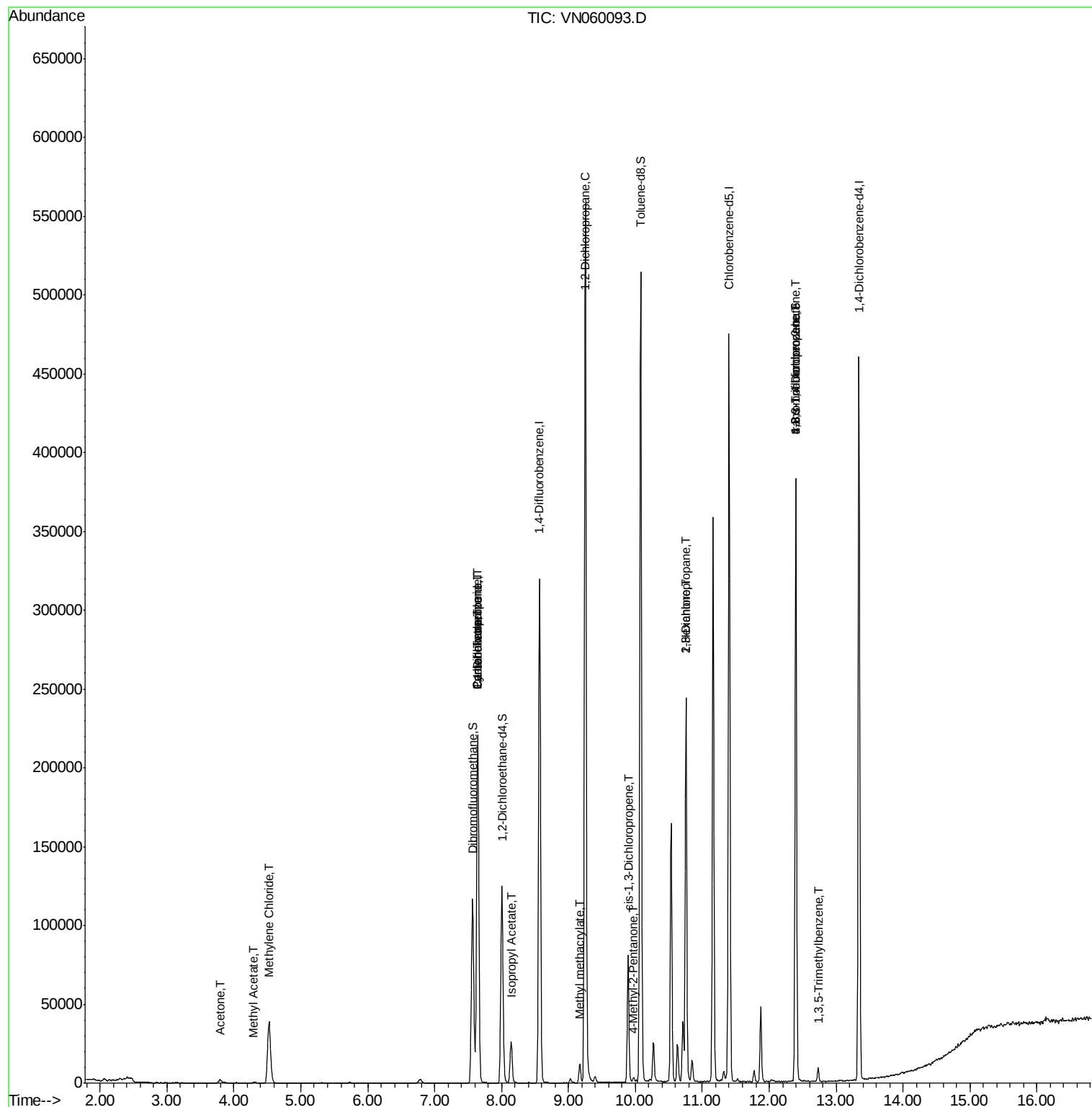
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	4029	4.079	ug/l	94
18) Methyl Acetate	4.30	43	916	0.494	ug/l #	50
20) Methylene Chloride	4.53	84	31123	15.795	ug/l	98
31) Cyclohexane	7.64	56	3639	1.136	ug/l #	21
36) 1,1-Dichloropropene	7.64	75	13667	5.037	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18106	6.144	ug/l #	15
43) Isopropyl Acetate	8.14	43	32147	7.669	ug/l #	89
45) 1,2-Dichloropropane	9.25	63	568	0.285	ug/l #	43
48) Methyl methacrylate	9.17	41	1814	0.965	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	1323	0.545	ug/l #	78
54) cis-1,3-Dichloropropene	9.89	75	14889	4.376	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	2732	0.822	ug/l #	43
59) 2-Hexanone	10.75	43	34597	18.459	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	65930	27.372	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	5106	0.653	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	65930	67.021	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30	Below Cal	#	1

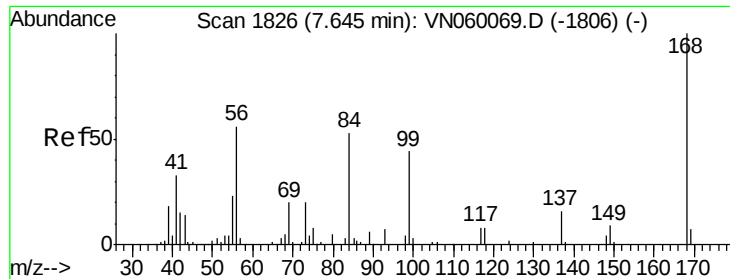
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060093.D

Acq: 13 Feb 2020 14:36

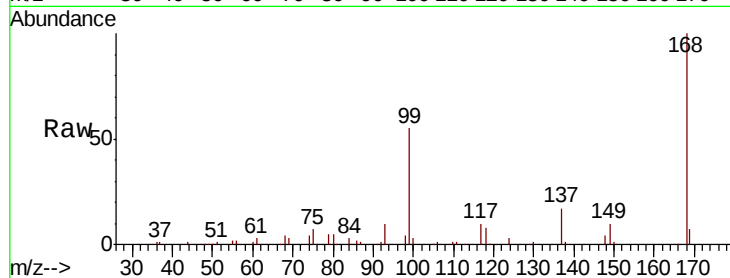
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 186079

Ion Ratio Lower Upper

168 100

99 55.3 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

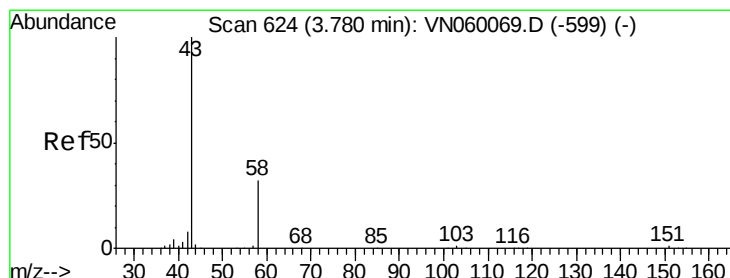
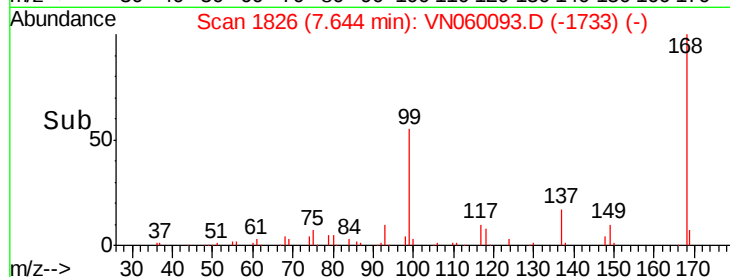
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#16

Acetone

Concen: 4.079 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.02 min

Lab File: VN060093.D

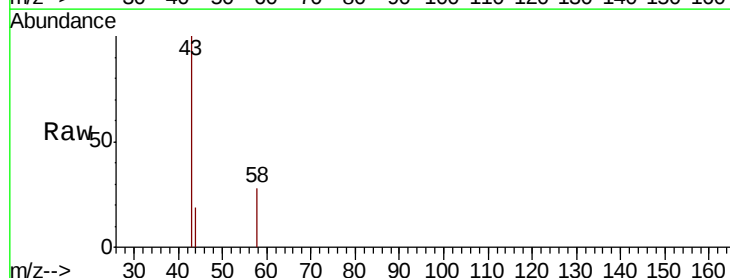
Acq: 13 Feb 2020 14:36

Tgt Ion: 43 Resp: 4029

Ion Ratio Lower Upper

43 100

58 27.9 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.80

1500

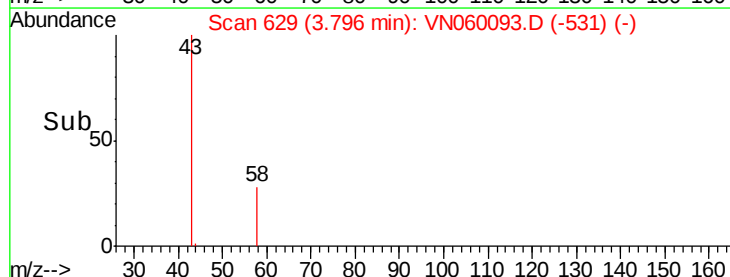
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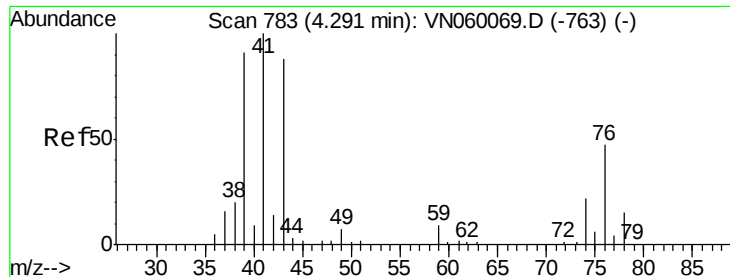
500

0

3.75 3.80 3.85

Time-->

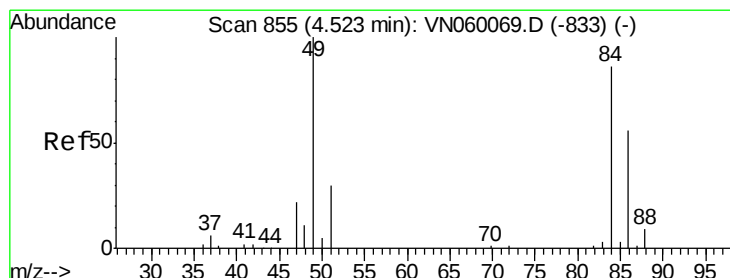
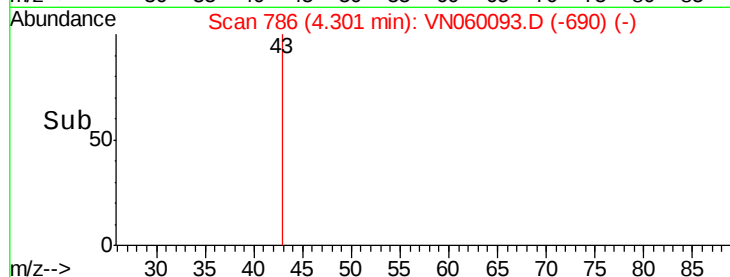
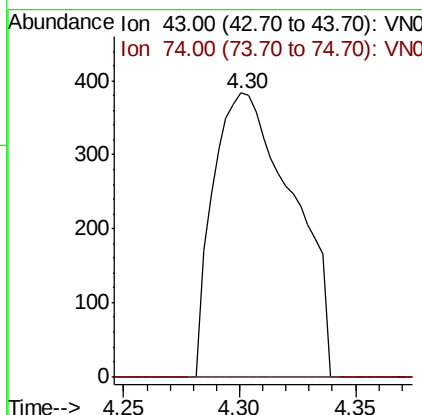
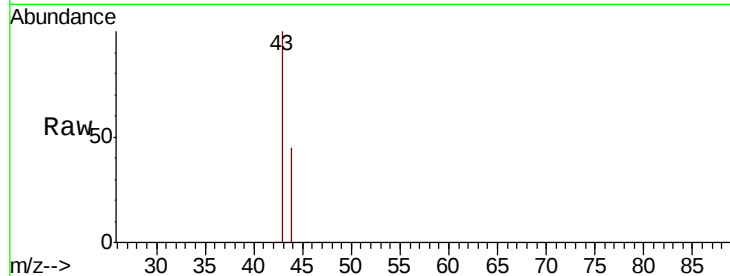




#18
Methyl Acetate
Concen: 0.494 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.01 min
Lab File: VN060093.D
Acq: 13 Feb 2020 14:36

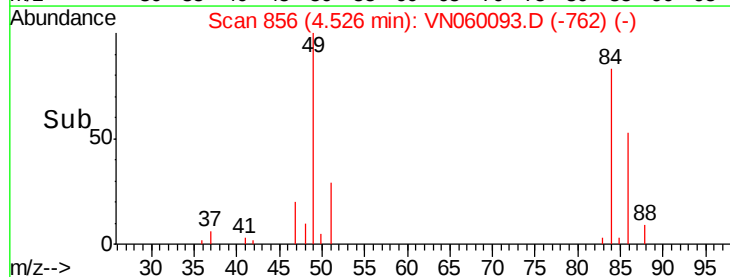
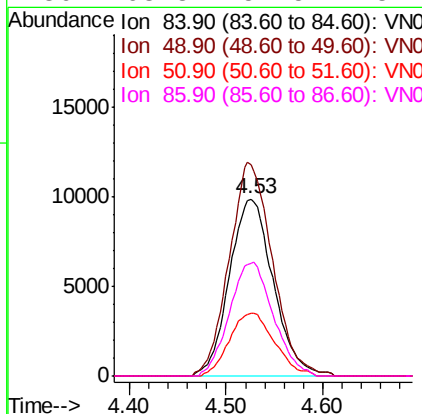
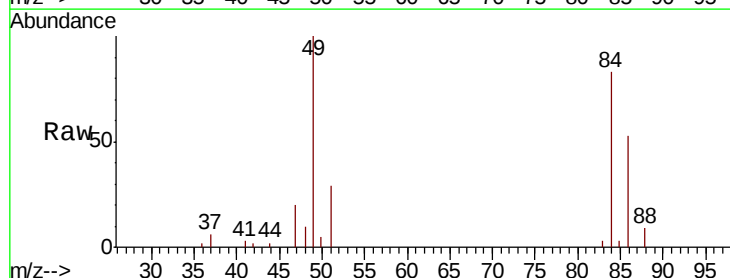
Instrument :
MSVOA_N
ClientSampled :

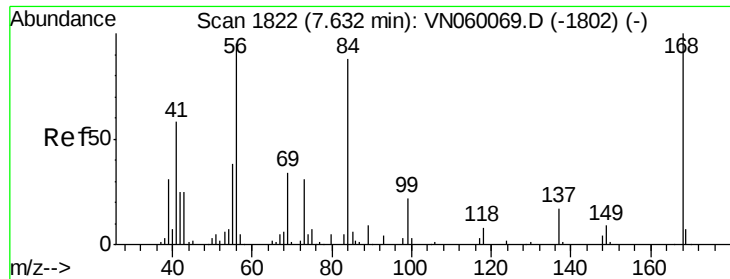
Tot Ion: 43 Resp: 916
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 15.795 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN060093.D
Acq: 13 Feb 2020 14:36

Tgt Ion: 84 Resp: 31123
Ion Ratio Lower Upper
84 100
49 119.8 93.4 140.0
51 35.2 28.4 42.6
86 63.8 52.5 78.7

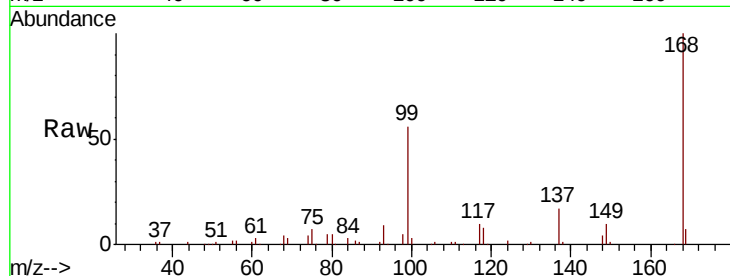




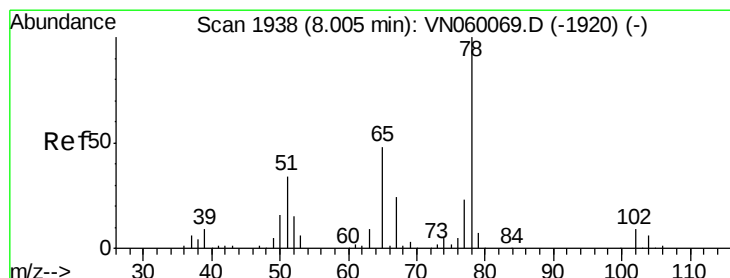
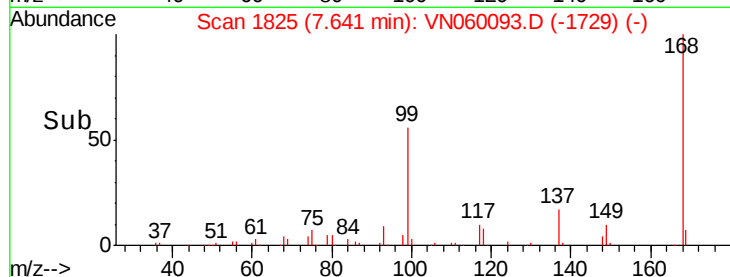
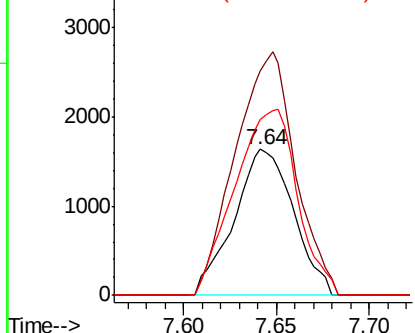
#31
Cyclohexane
Concen: 1.136 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060093.D
Acq: 13 Feb 2020 14:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 3639
Ion Ratio Lower Upper
56 100
69 153.5 28.3 42.5#
84 120.4 72.6 108.8#

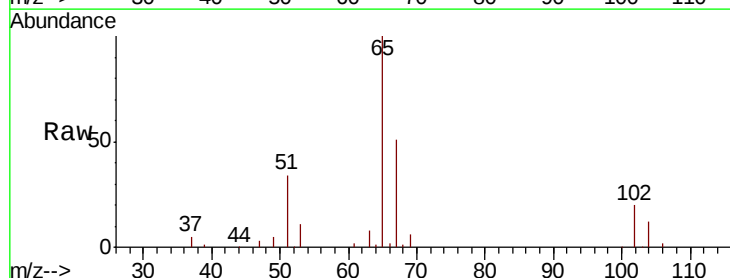


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

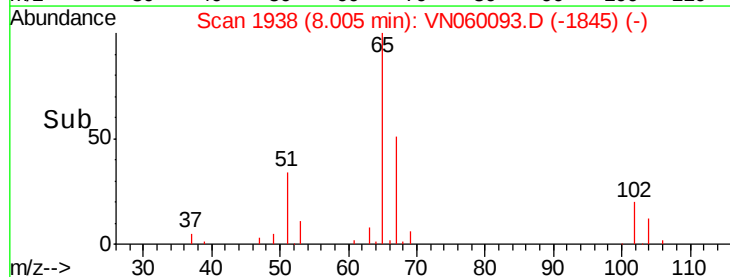
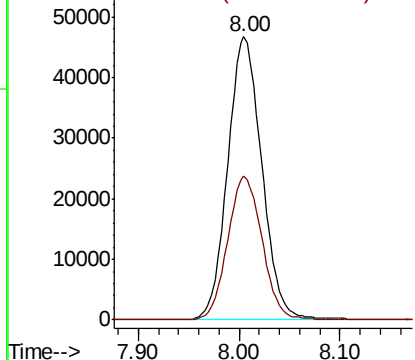


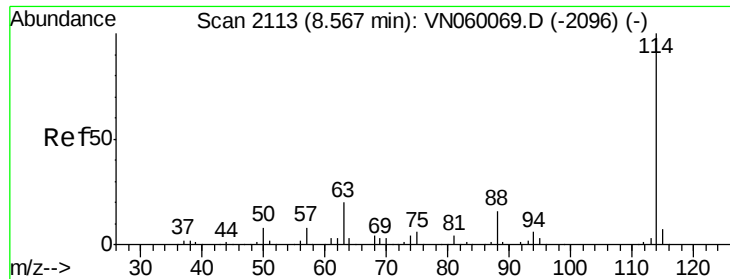
#33
1,2-Dichloroethane-d4
Concen: 48.634 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. -0.00 min
Lab File: VN060093.D
Acq: 13 Feb 2020 14:36

Tgt Ion: 65 Resp: 110120
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

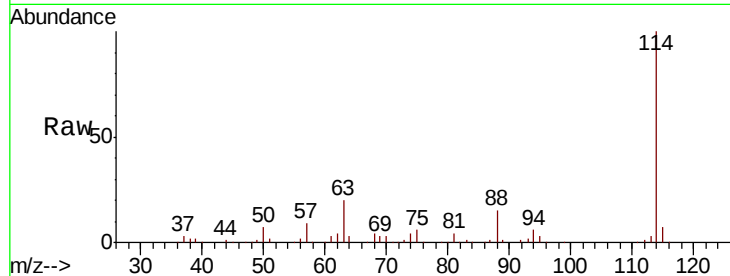




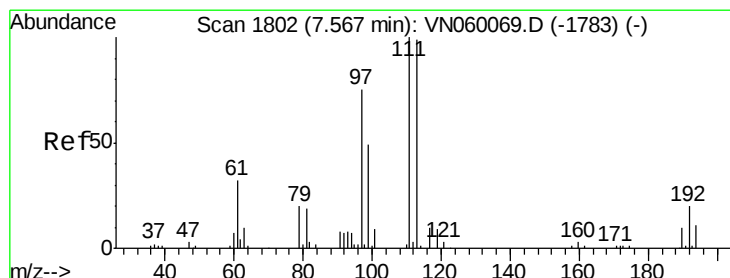
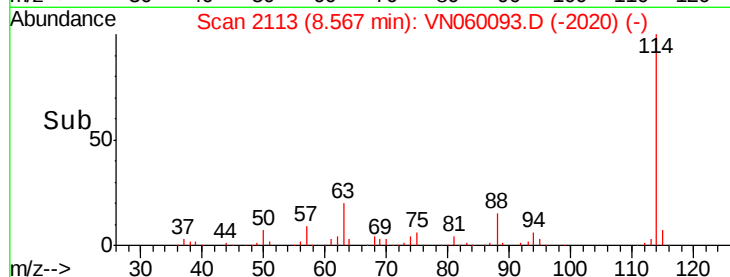
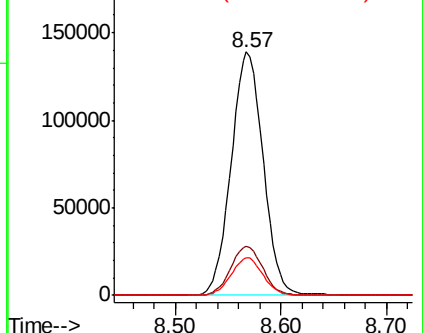
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060093.D
 Acq: 13 Feb 2020 14:36

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.0
88	15.4	0.0	31.6

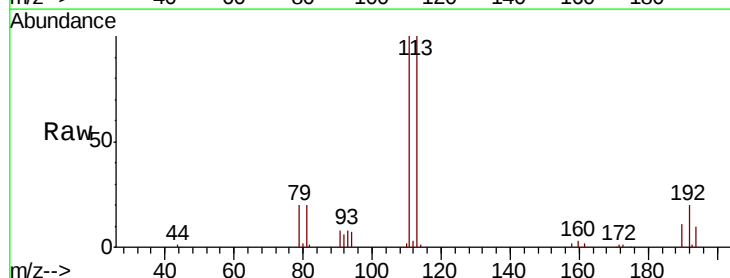


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

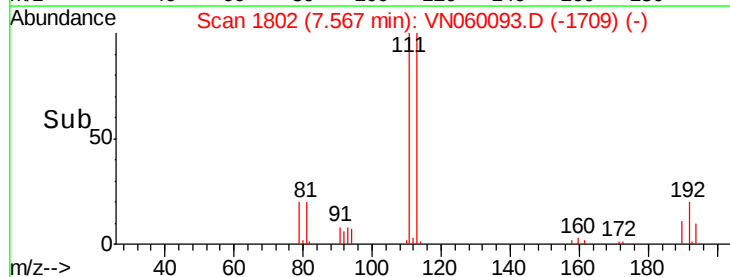
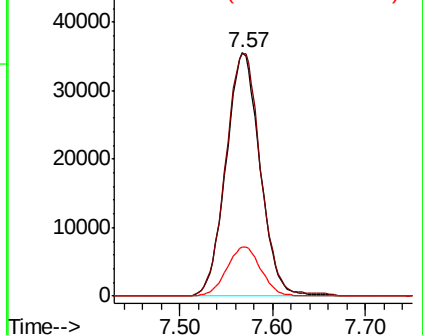


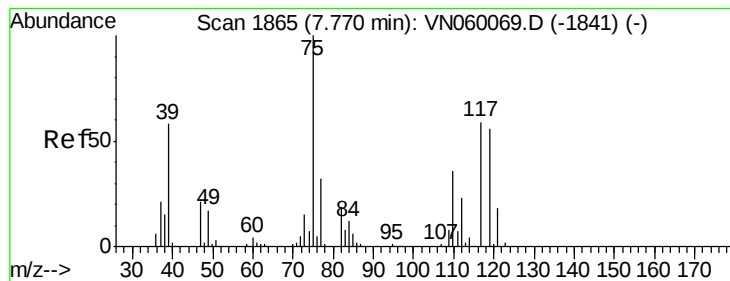
#35
 Dibromofluoromethane
 Concen: 50.091 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060093.D
 Acq: 13 Feb 2020 14:36

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.9	81.4	122.2
192	20.3	16.2	24.2



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: 5.037 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.13 min

Lab File: VN060093.D

Acq: 13 Feb 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

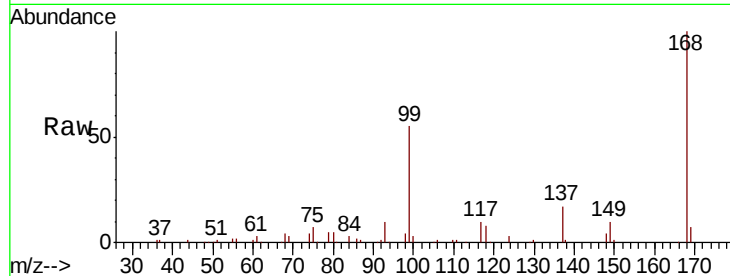
Tot Ion: 75 Resp: 13667

Ion Ratio Lower Upper

75 100

110 9.0 18.1 54.3#

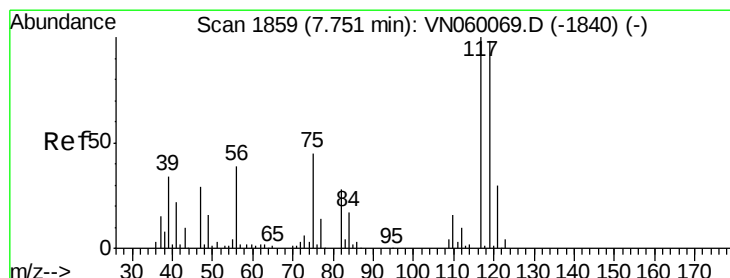
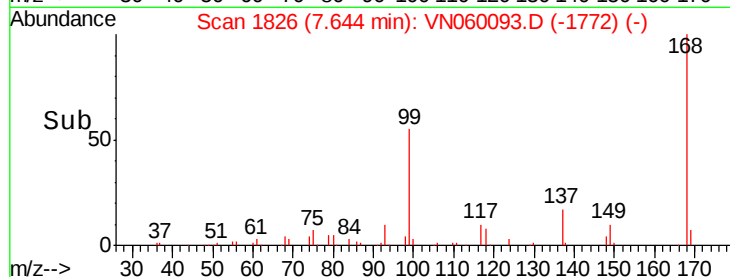
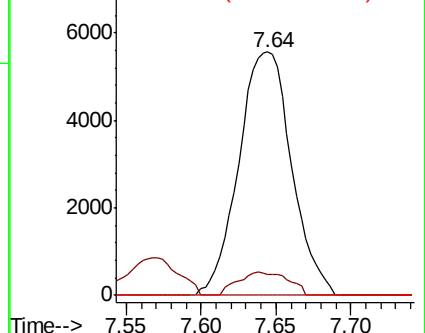
77 0.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN060093.D (-1772) (-)

Ion 109.90 (109.60 to 110.60): VN060093.D (-1772) (-)

Ion 76.90 (76.60 to 77.60): VN060093.D (-1772) (-)



#38

Carbon Tetrachloride

Concen: 6.144 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.11 min

Lab File: VN060093.D

Acq: 13 Feb 2020 14:36

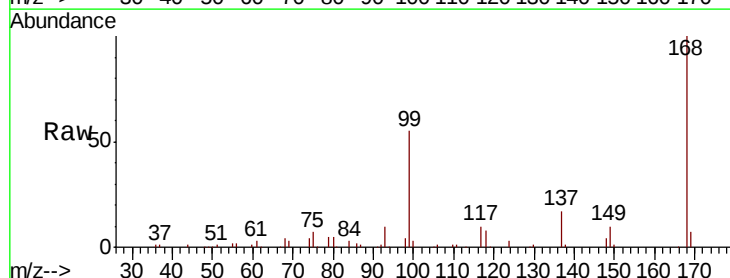
Tgt Ion: 117 Resp: 18106

Ion Ratio Lower Upper

117 100

119 4.5 78.2 117.4#

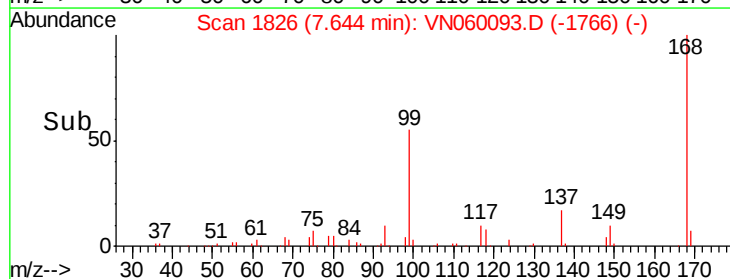
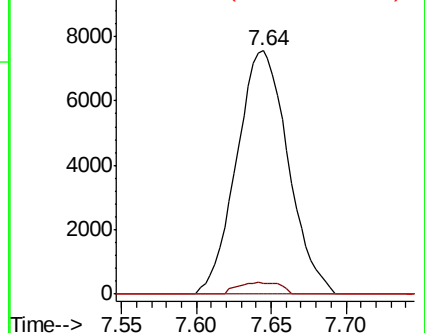
121 0.0 24.2 36.2#

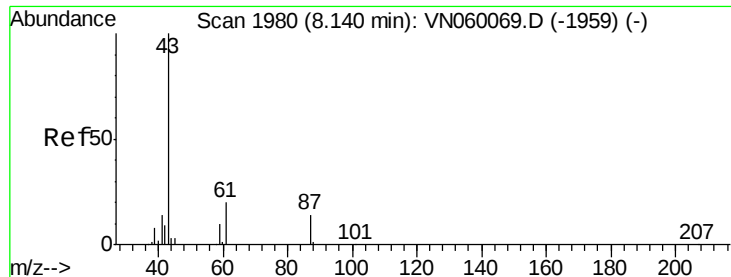


Abundance Ion 116.80 (116.50 to 117.50): VN060093.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN060093.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN060093.D (-1766) (-)





#43

Isopropyl Acetate

Concen: 7.669 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060093.D

Acq: 13 Feb 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

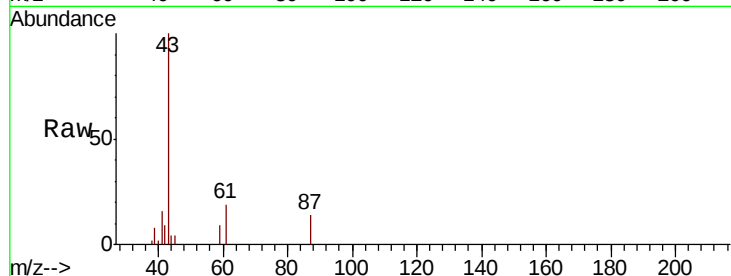
Tot Ion: 43 Resp: 32147

Ion Ratio Lower Upper

43 100

61 19.3 21.8 32.6#

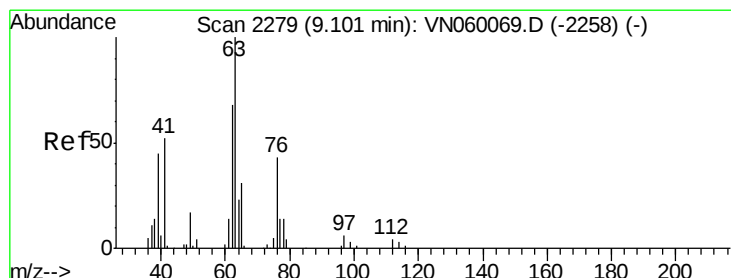
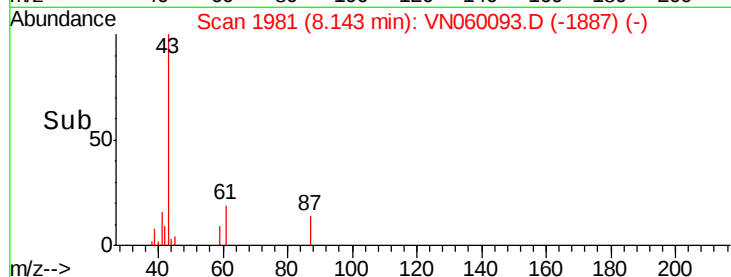
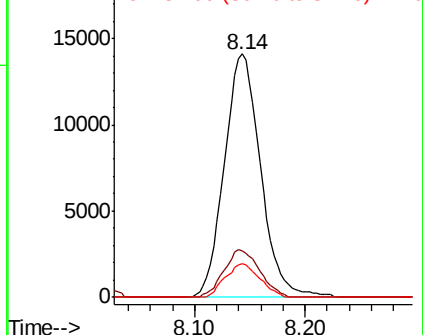
87 13.0 11.4 17.2



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

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#45

1,2-Dichloropropane

Concen: 0.285 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060093.D

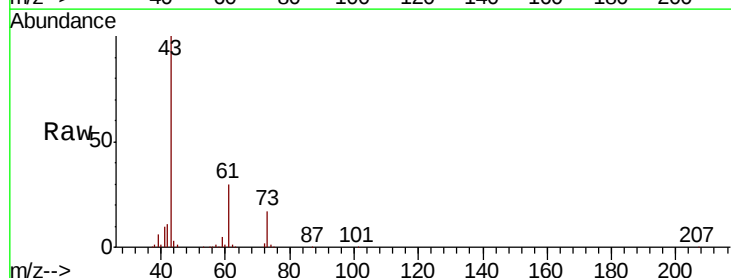
Acq: 13 Feb 2020 14:36

Tgt Ion: 63 Resp: 568

Ion Ratio Lower Upper

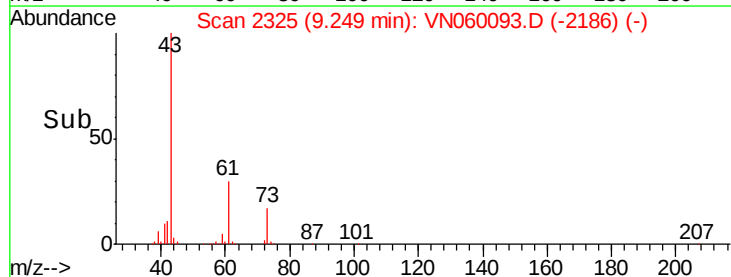
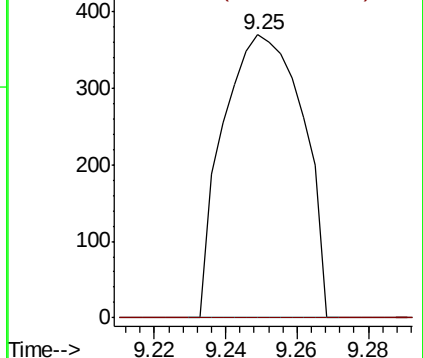
63 100

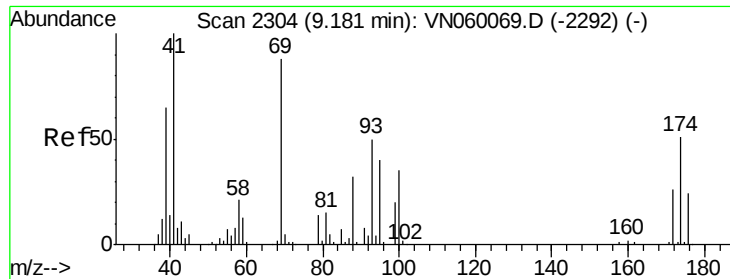
65 0.0 25.0 37.4#



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

Ion 64.90 (64.60 to 65.60): VN060069.D (-2258) (-)

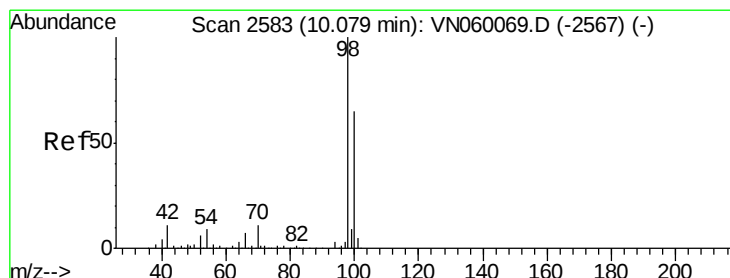
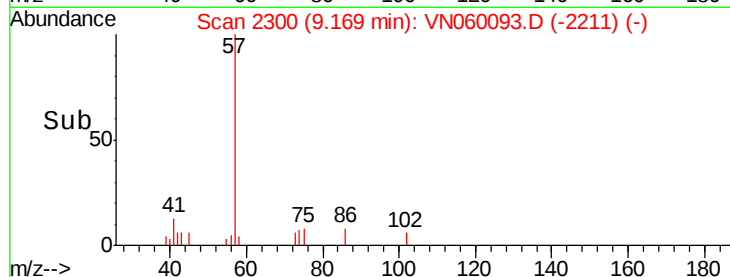
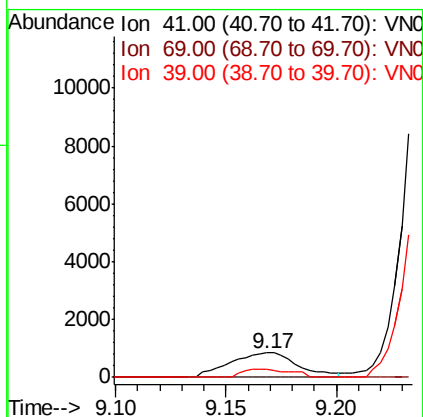
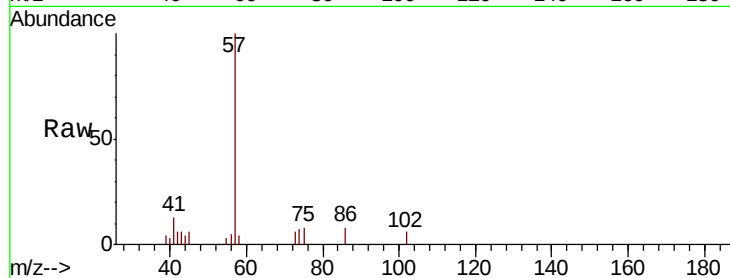




#48
Methvl methacrylate
Concen: 0.965 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. -0.01 min
Lab File: VN060093.D
Acq: 13 Feb 2020 14:36

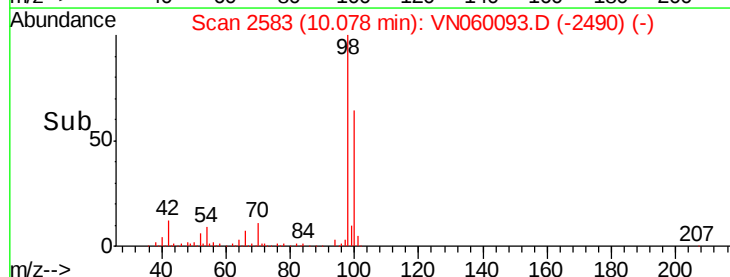
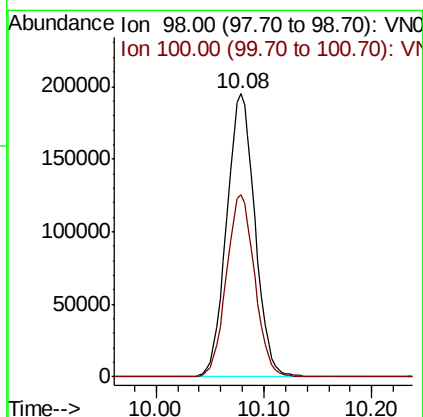
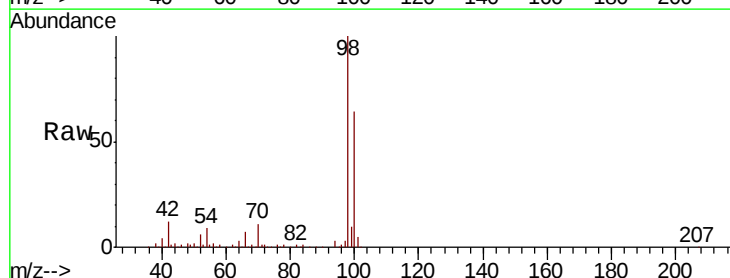
Instrument :
MSVOA_N
ClientSampled :

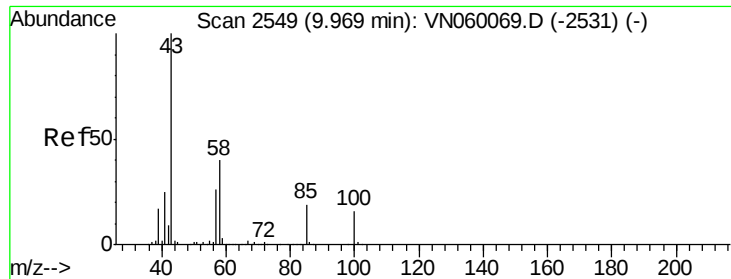
Tot Ion: 41 Resp: 1814
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 50.192 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. -0.00 min
Lab File: VN060093.D
Acq: 13 Feb 2020 14:36

Tgt Ion: 98 Resp: 355915
Ion Ratio Lower Upper
98 100
100 64.6 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 0.545 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN060093.D

Acq: 13 Feb 2020 14:36

Instrument :

MSVOA_N

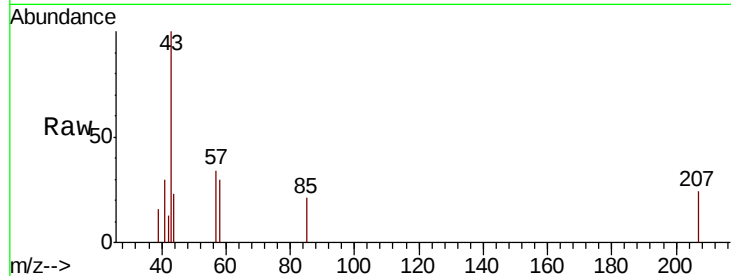
ClientSampled :

Tot Ion: 43 Resp: 1323

Ion Ratio Lower Upper

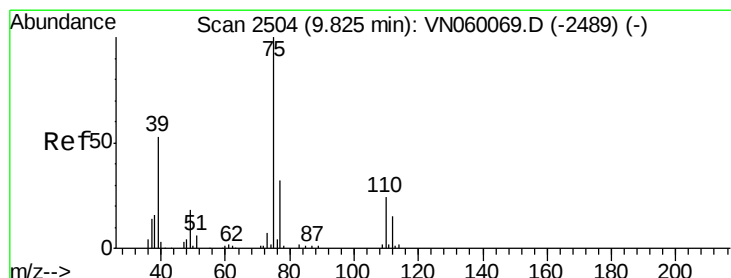
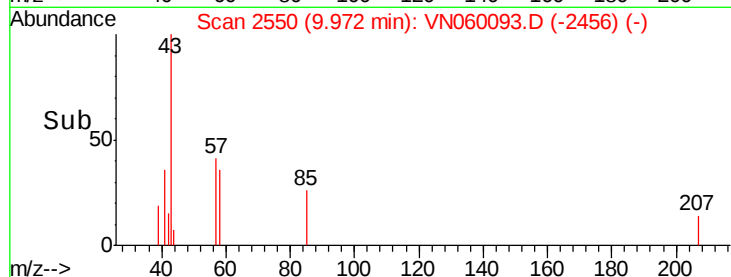
43 100

58 53.1 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#54

cis-1,3-Dichloropropene

Concen: 4.376 ug/l

RT: 9.89 min Scan# 2525

Delta R.T. 0.07 min

Lab File: VN060093.D

Acq: 13 Feb 2020 14:36

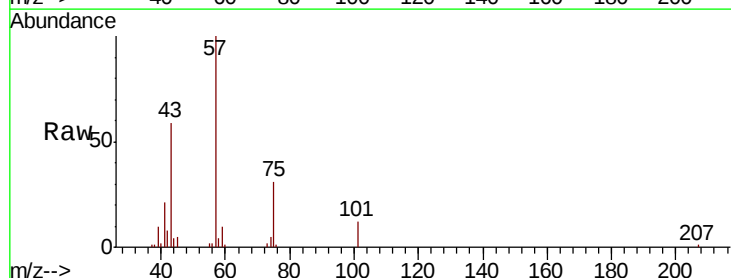
Tgt Ion: 75 Resp: 14889

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

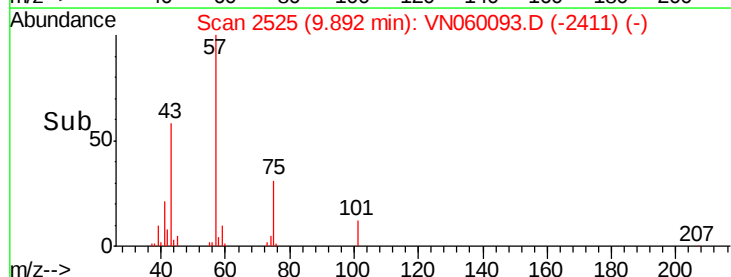
39 33.7 42.2 63.4#

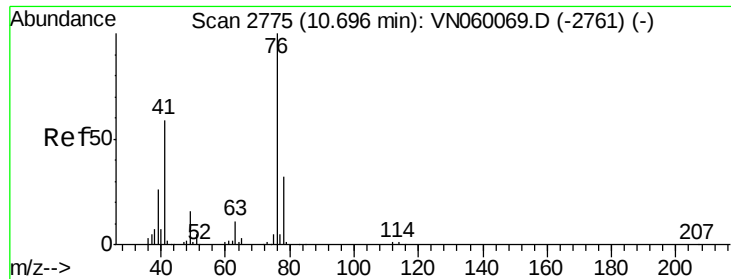


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

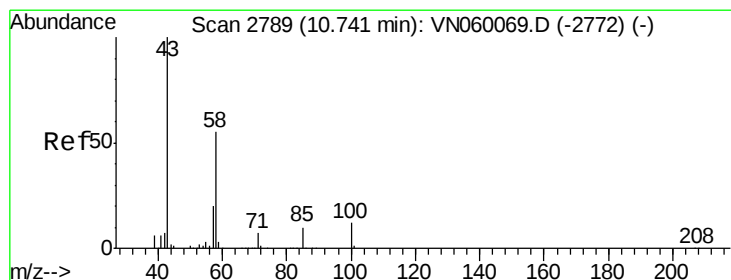
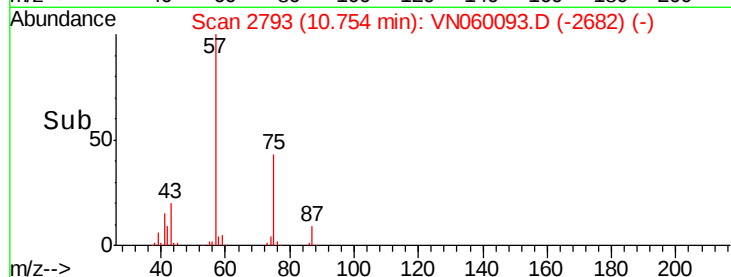
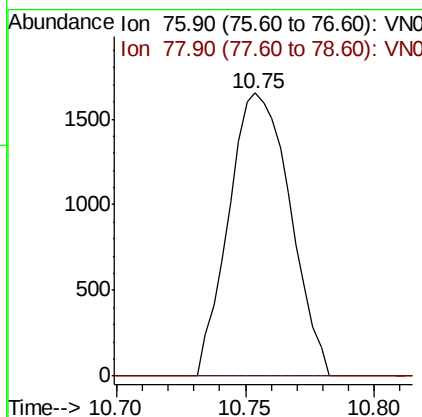
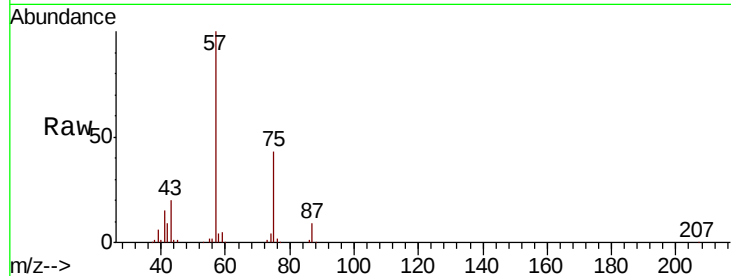




#57
 1,3-Dichloropropane
 Concen: 0.822 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.06 min
 Lab File: VN060093.D
 Acq: 13 Feb 2020 14:36

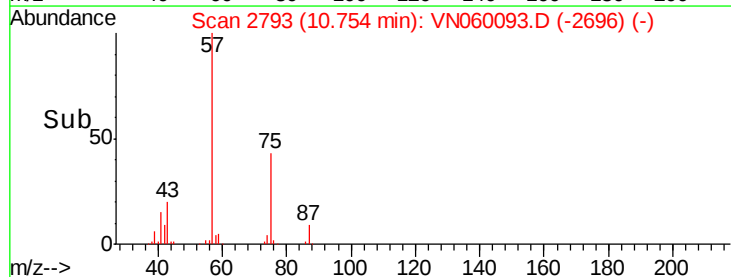
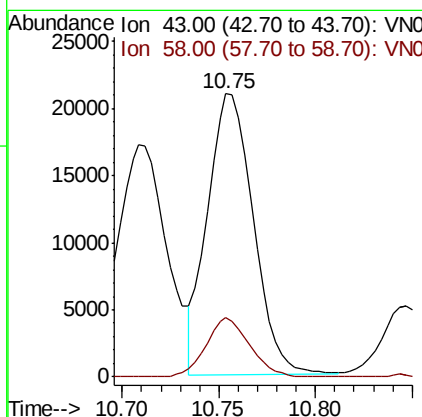
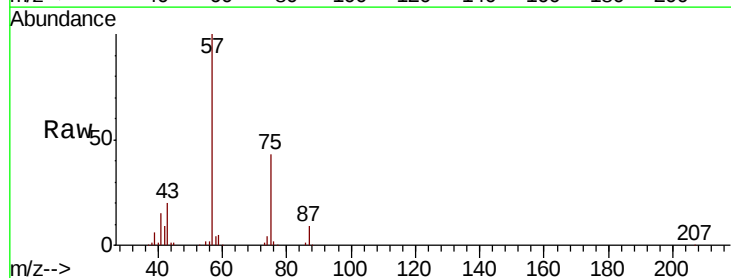
Instrument :
 MSVOA_N
 ClientSampled :

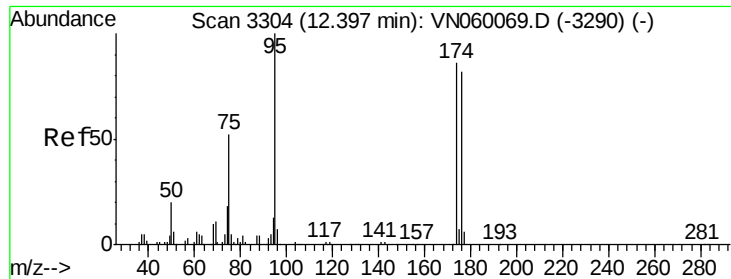
Tot Ion: 76 Resp: 2732
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 18.459 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.01 min
 Lab File: VN060093.D
 Acq: 13 Feb 2020 14:36

Tgt Ion: 43 Resp: 34597
 Ion Ratio Lower Upper
 43 100
 58 19.8 27.5 82.4#





#62

4-Bromofluorobenzene

Concen: 48.991 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060093.D

Acq: 13 Feb 2020 14:36

Instrument :

MSVOA_N

ClientSampled :

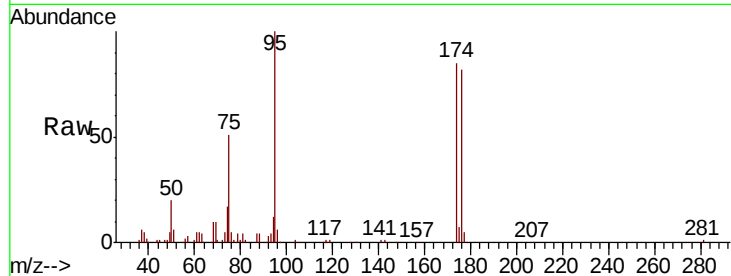
Tot Ion: 95 Resp: 127653

Ion Ratio Lower Upper

95 100

174 85.4 0.0 169.8

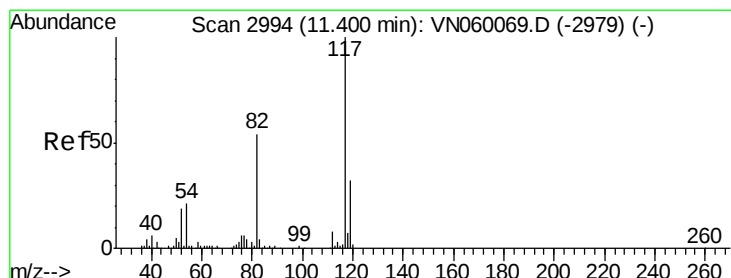
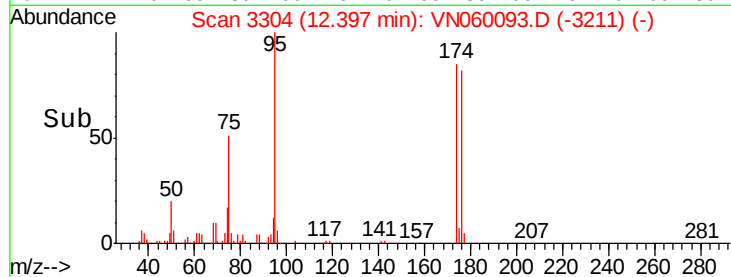
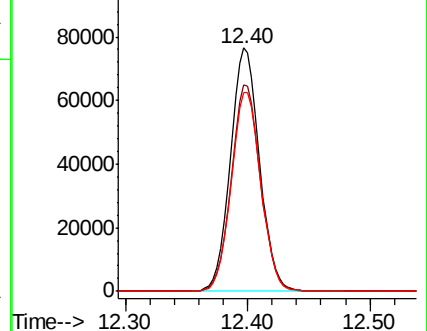
176 82.9 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060093.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN060093.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN060093.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. -0.00 min

Lab File: VN060093.D

Acq: 13 Feb 2020 14:36

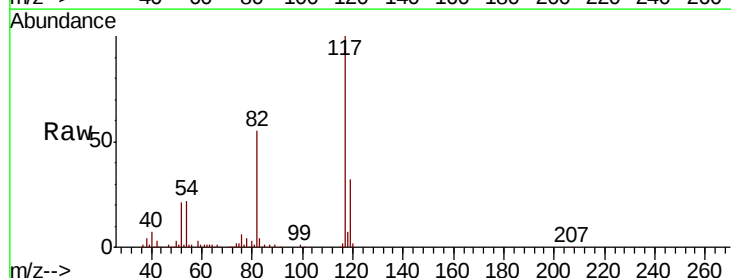
Tgt Ion: 117 Resp: 274627

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

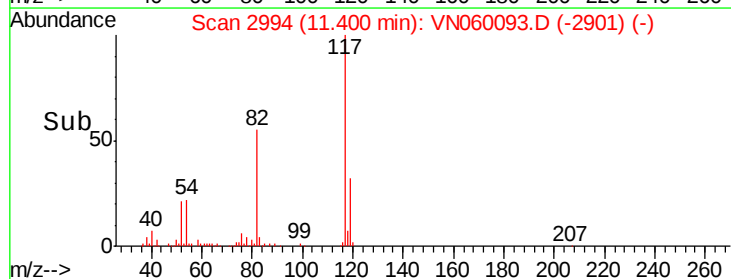
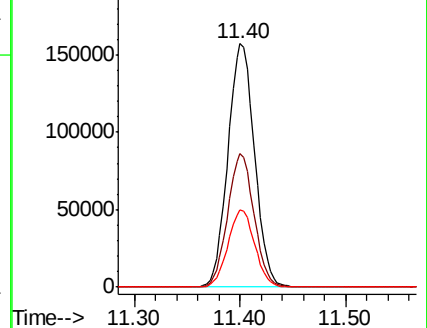
119 31.7 25.8 38.6

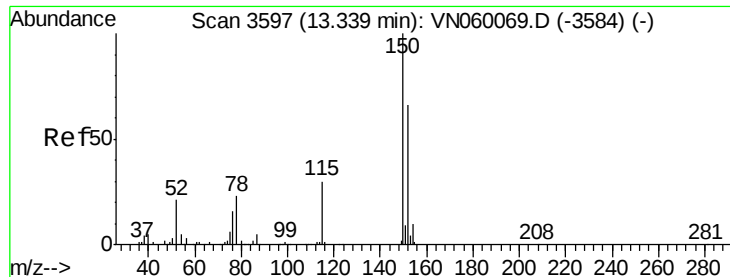


Abundance Ion 116.90 (116.60 to 117.60): VN060069.D (-2979) (-)

Ion 82.00 (81.70 to 82.70): VN060069.D (-2979) (-)

Ion 118.90 (118.60 to 119.60): VN060069.D (-2979) (-)



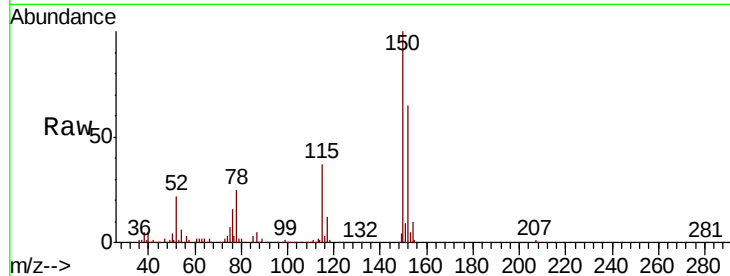


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060093.D
Acq: 13 Feb 2020 14:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.9	86.8
150	154.9	0.0	342.4

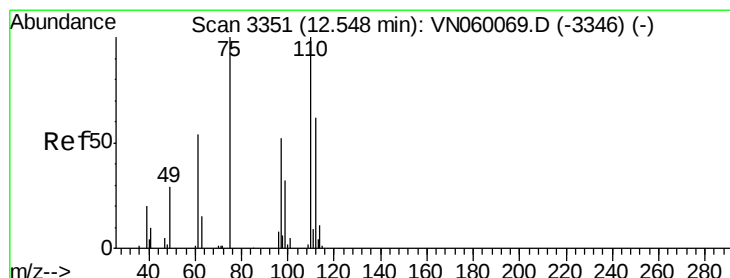
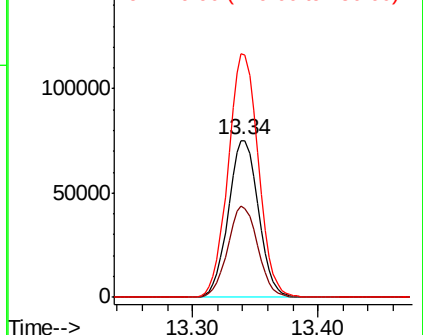
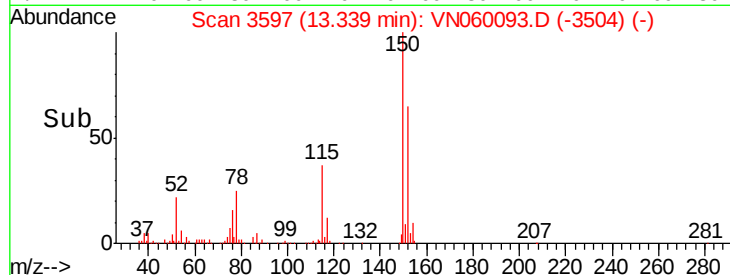


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

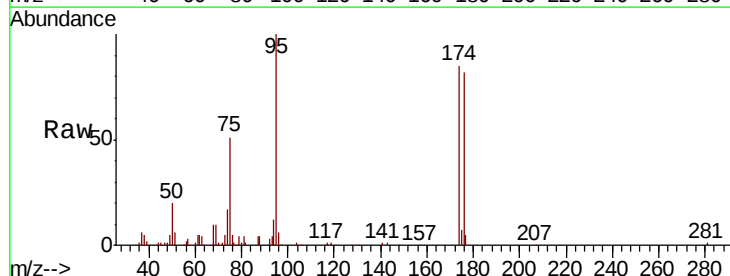
Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane
Concen: 27.372 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060093.D
Acq: 13 Feb 2020 14:36

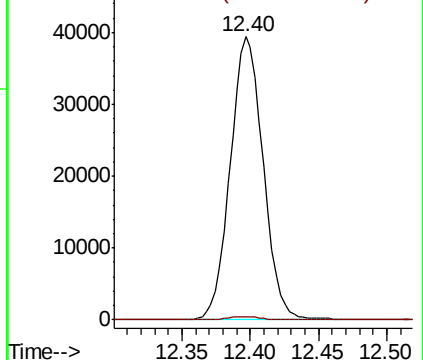
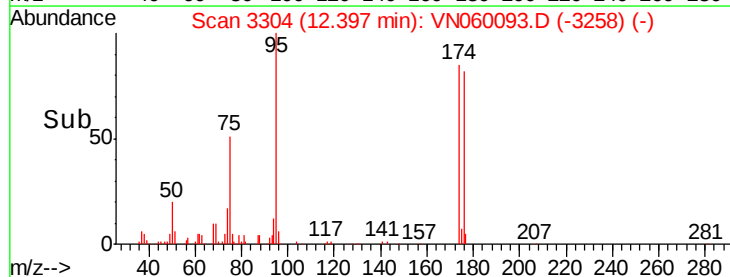
Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

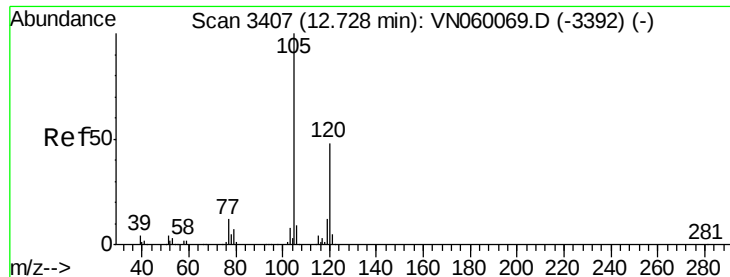


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

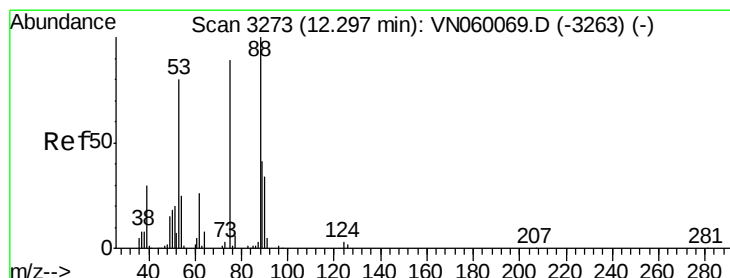
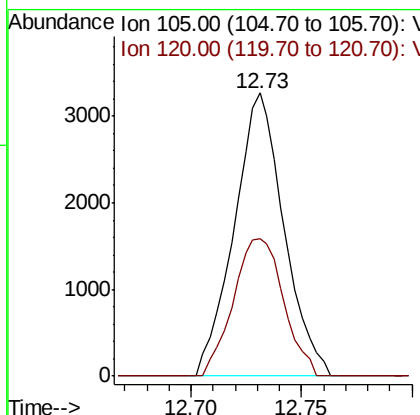
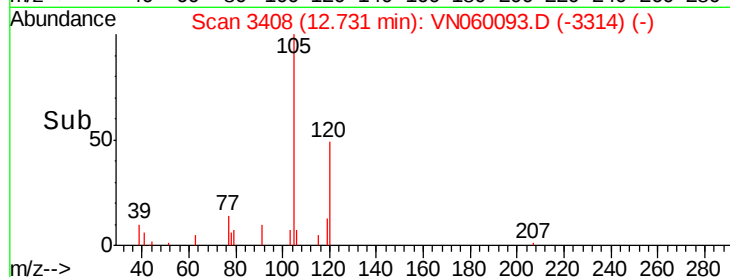
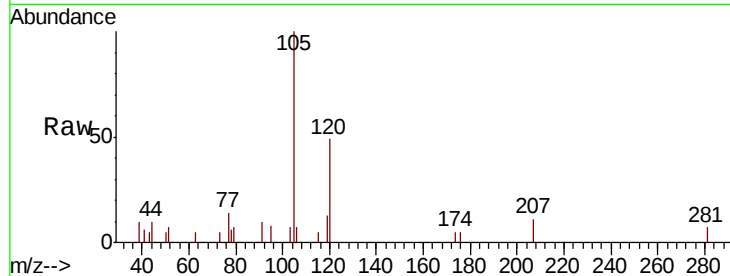




#80
 1,3,5-Trimethylbenzene
 Concen: 0.653 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN060093.D
 Acq: 13 Feb 2020 14:36

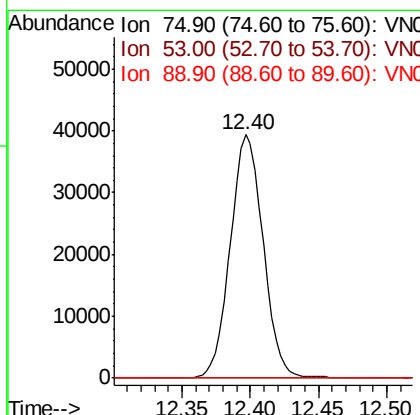
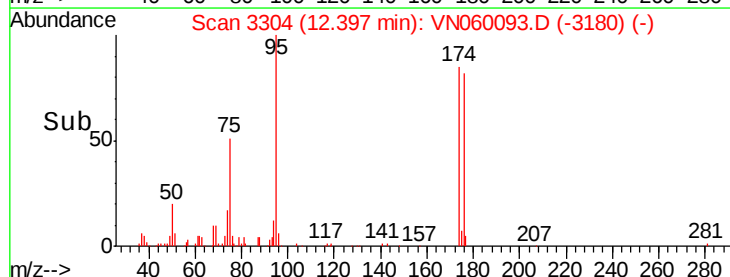
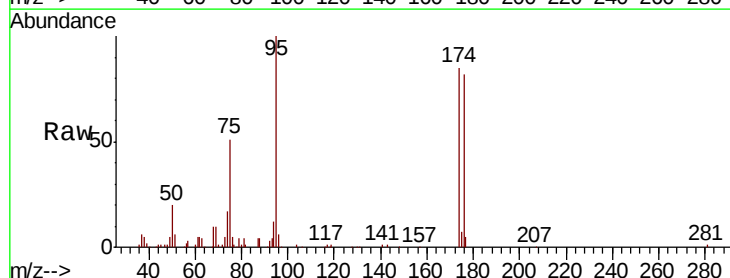
Instrument :
 MSVOA_N
 ClientSampleId :

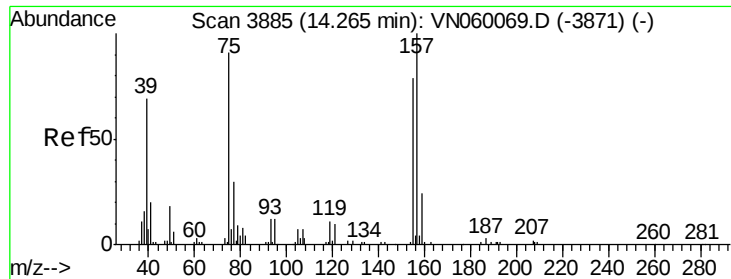
Tot Ion:105 Resp: 5106
 Ion Ratio Lower Upper
 105 100
 120 49.0 24.3 72.9



#81
 trans-1,4-Dichloro-2-butene
 Concen: 67.021 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.10 min
 Lab File: VN060093.D
 Acq: 13 Feb 2020 14:36

Tgt Ion: 75 Resp: 65930
 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: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060093.D

Acq: 13 Feb 2020 14:36

Instrument :

MSVOA_N

ClientSampleId :

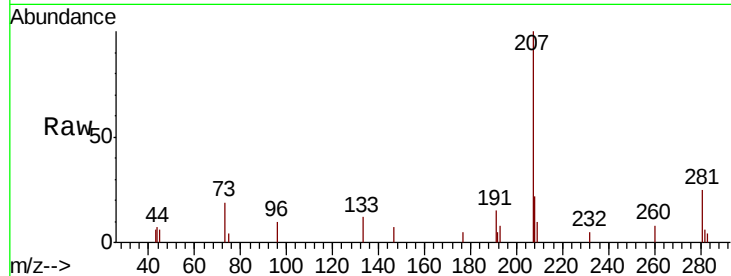
Tot Ion: 75 Resp: 30

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): VN060093.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060093.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060093.D (-3791) (-)

