

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021320\
 Data File : VN060092.D
 Acq On : 13 Feb 2020 14:14
 Operator : JC/MD
 Sample : PB126782ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 14 04:56:27 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

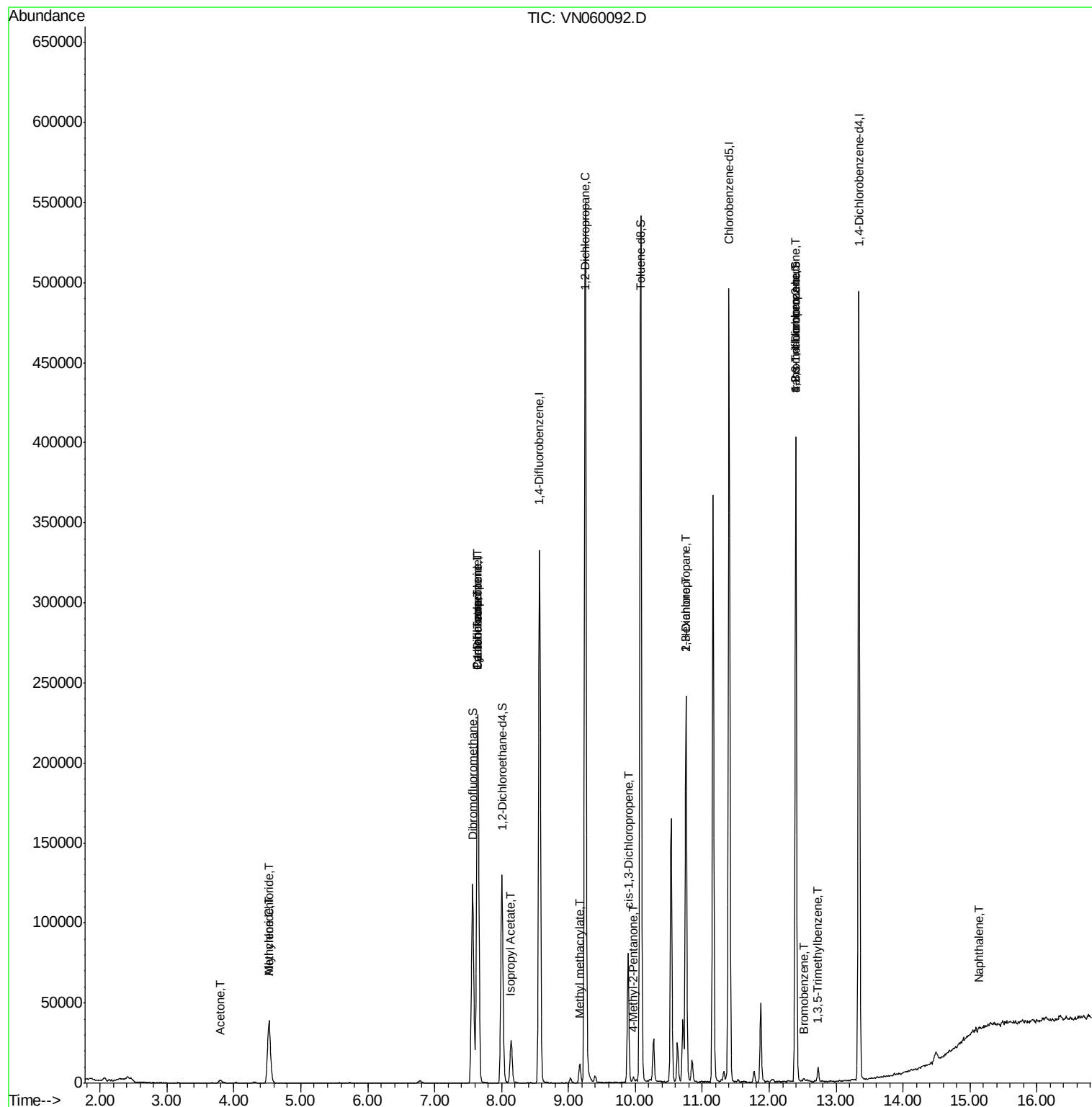
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	195232	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	305822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287179	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	131242	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	112835	47.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.00%	
35) Dibromofluoromethane	7.57	113	93328	49.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.30%	
50) Toluene-d8	10.08	98	369853	49.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	133904	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
Target Compounds						
					Qvalue	
14) Allyl chloride	4.52	41	706	0.260	ug/l #	16
16) Acetone	3.79	43	1699	1.640	ug/l	94
20) Methylene Chloride	4.52	84	30902	14.947	ug/l	98
31) Cyclohexane	7.64	56	3876	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	14118	4.984	ug/l #	49
38) Carbon Tetrachloride	7.64	117	18717	6.084	ug/l #	15
43) Isopropyl Acetate	8.14	43	32551	7.438	ug/l #	90
45) 1,2-Dichloropropane	9.25	63	652	0.313	ug/l #	43
48) Methyl methacrylate	9.17	41	1763	0.898	ug/l #	9
51) 4-Methyl-2-Pentanone	9.97	43	2626	1.037	ug/l #	78
54) cis-1,3-Dichloropropene	9.89	75	15022	4.229	ug/l #	61
57) 1,3-Dichloropropane	10.76	76	2341	0.675	ug/l #	43
59) 2-Hexanone	10.76	43	35551	18.169	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	68367	27.228	ug/l #	100
77) Bromobenzene	12.52	156	1781	0.732	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.73	105	5123	0.629	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	68367	66.667	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30	Below Cal	#	1
95) Naphthalene	15.14	128	1343	0.201	ug/l #	69

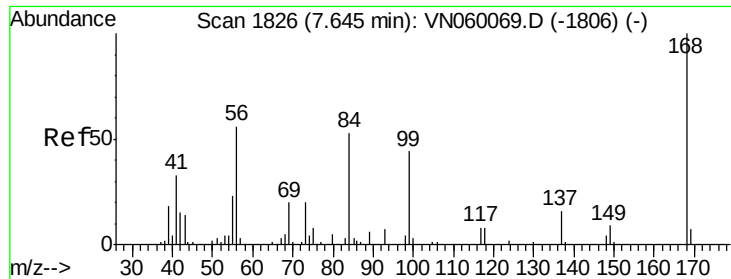
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN060092.D

Acq: 13 Feb 2020 14:14

Instrument :

MSVOA_N

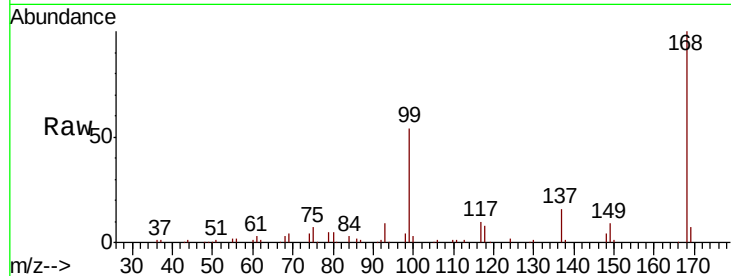
ClientSampled :

Tot Ion:168 Resp: 195232

Ion Ratio Lower Upper

168 100

99 53.5 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): VN060069.D (-1806) (-)

Ion 98.90 (98.60 to 99.60): VN060069.D (-1806) (-)

7.64

80000

60000

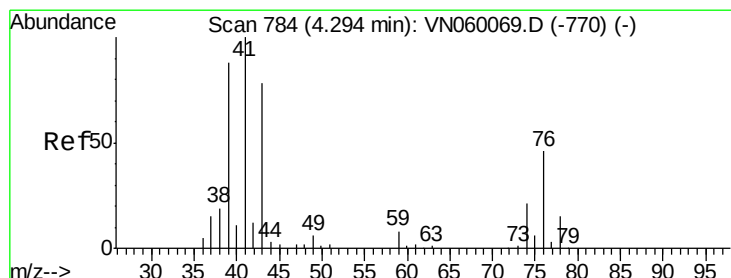
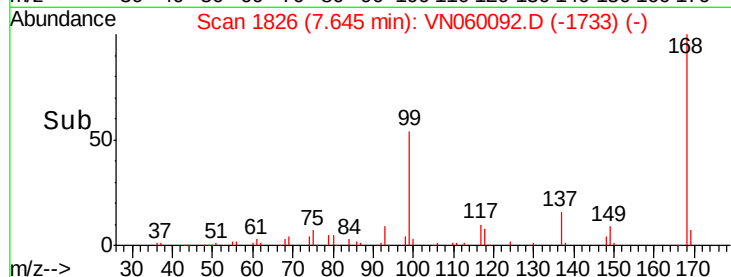
40000

20000

0

7.60 7.70

Time-->



#14

Allyl chloride

Concen: 0.260 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.23 min

Lab File: VN060092.D

Acq: 13 Feb 2020 14:14

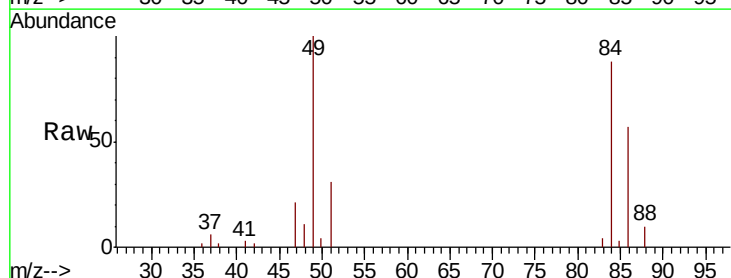
Tgt Ion: 41 Resp: 706

Ion Ratio Lower Upper

41 100

39 0.0 67.8 101.8#

76 0.0 33.9 50.9#



Abundance Ion 41.00 (40.70 to 41.70): VN060092.D (-691) (-)

Ion 39.00 (38.70 to 39.70): VN060092.D (-691) (-)

Ion 75.90 (75.60 to 76.60): VN060092.D (-691) (-)

4.52

400

300

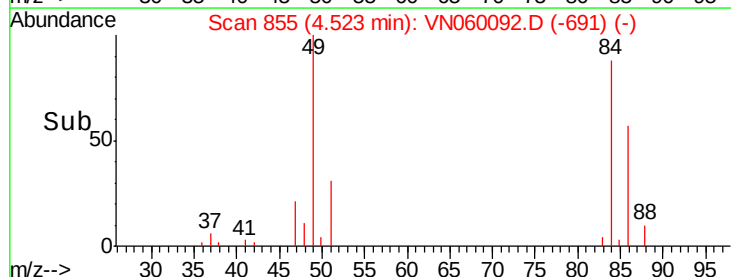
200

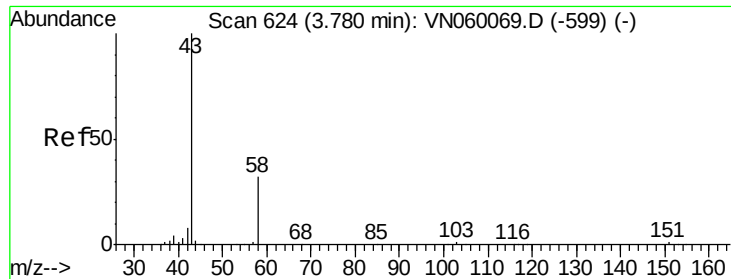
100

0

4.48 4.50 4.52 4.54

Time-->





#16

Acetone

Concen: 1.640 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN060092.D

Acq: 13 Feb 2020 14:14

Instrument :

MSVOA_N

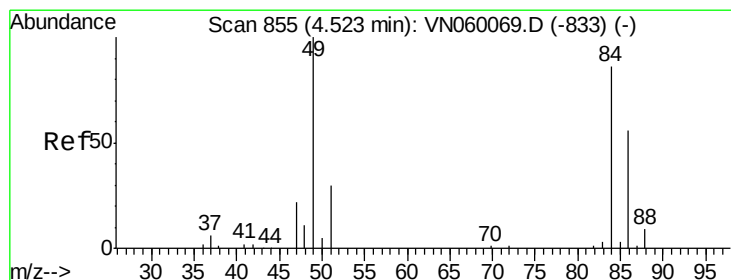
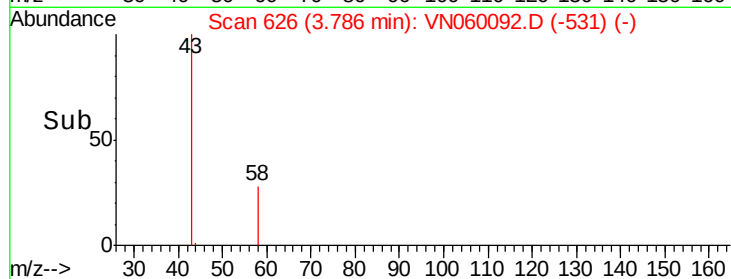
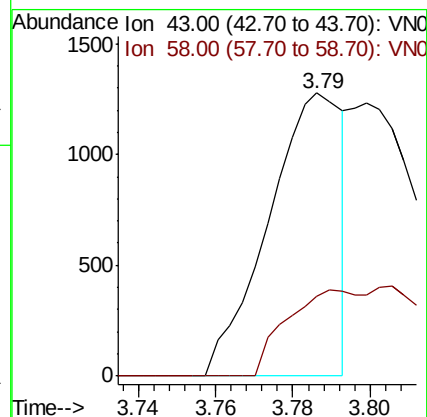
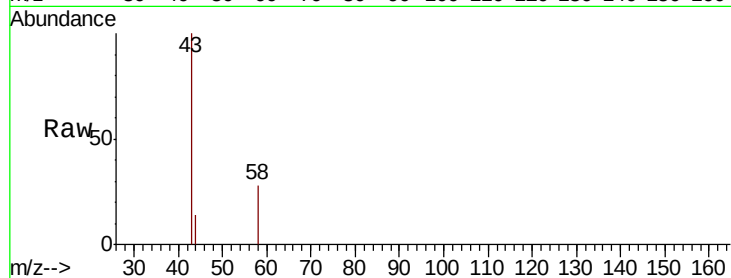
ClientSampled :

Tot Ion: 43 Resp: 1699

Ion Ratio Lower Upper

43 100

58 28.2 25.2 37.8



#20

Methylene Chloride

Concen: 14.947 ug/l

RT: 4.52 min Scan# 855

Delta R.T. 0.00 min

Lab File: VN060092.D

Acq: 13 Feb 2020 14:14

Tgt Ion: 84 Resp: 30902

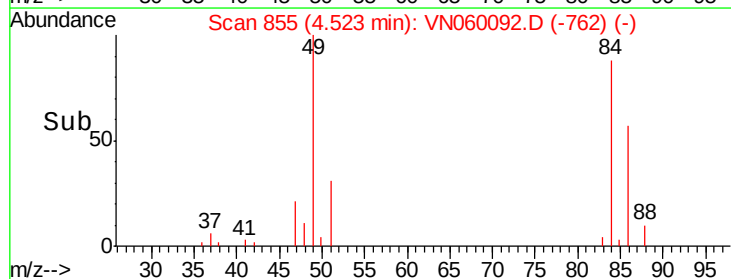
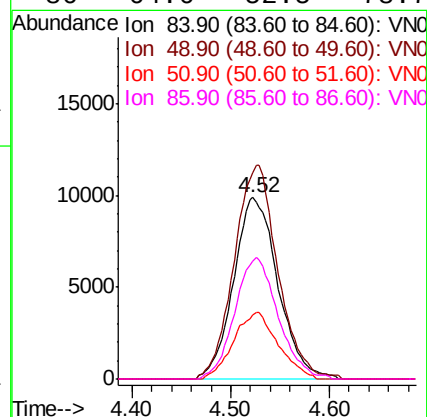
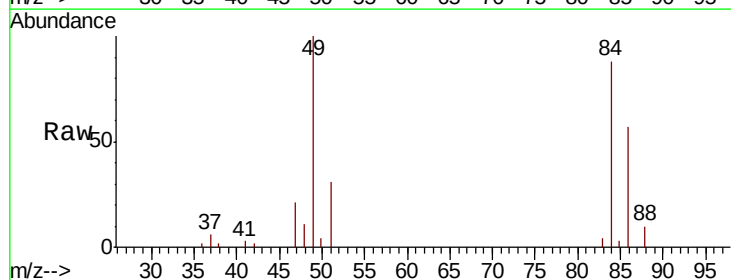
Ion Ratio Lower Upper

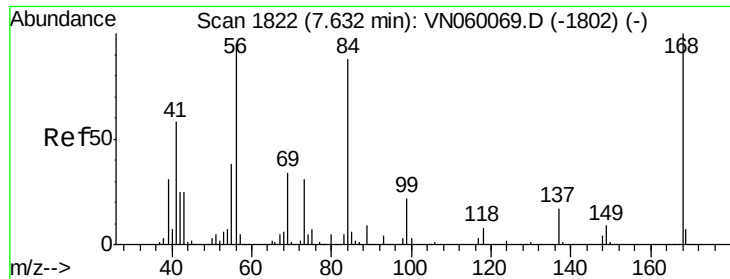
84 100

49 113.9 93.4 140.0

51 35.2 28.4 42.6

86 64.6 52.5 78.7

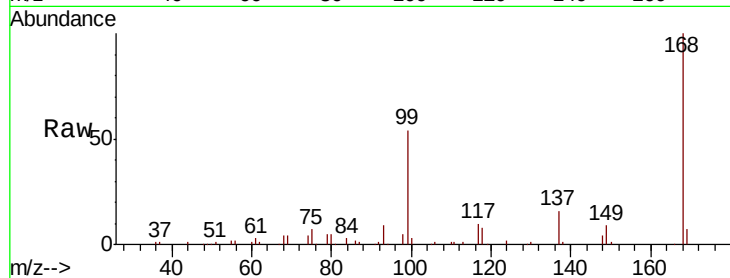




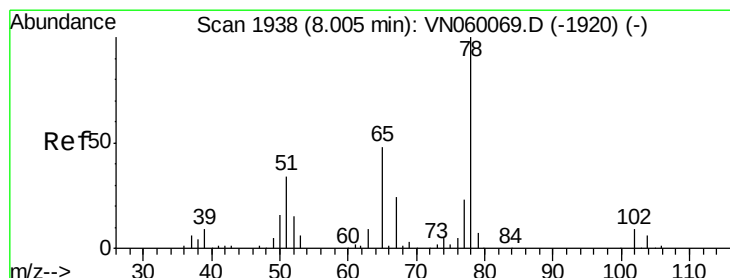
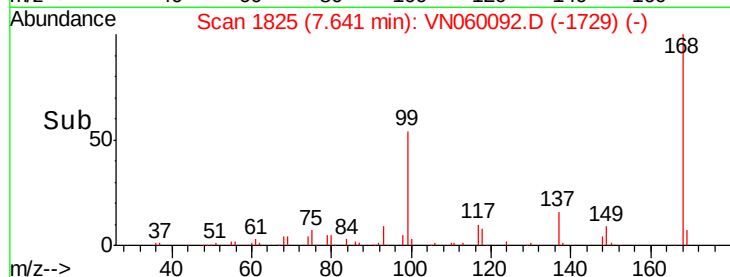
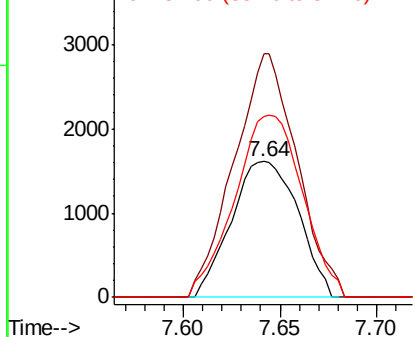
#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.01 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3876
Ion Ratio Lower Upper
56 100
69 179.3 28.3 42.5#
84 133.6 72.6 108.8#

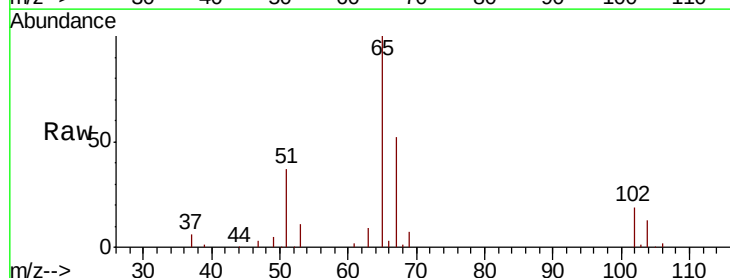


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

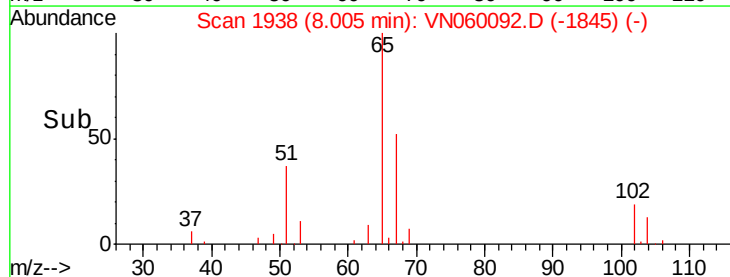
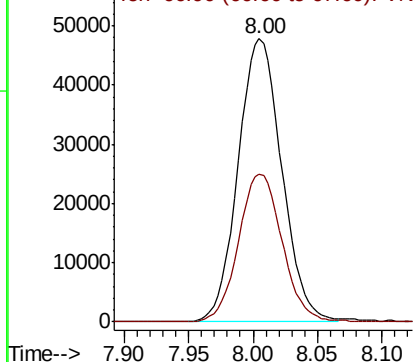


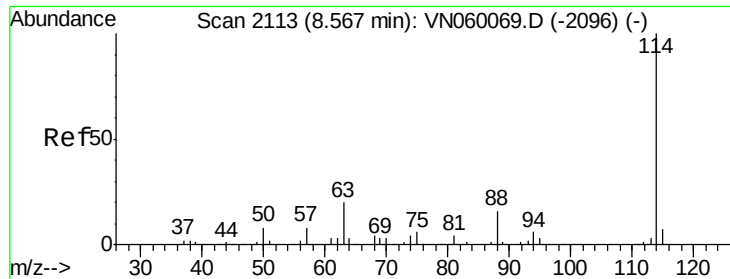
#33
1,2-Dichloroethane-d4
Concen: 47.497 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

Tgt Ion: 65 Resp: 112835
Ion Ratio Lower Upper
65 100
67 52.1 0.0 104.0



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

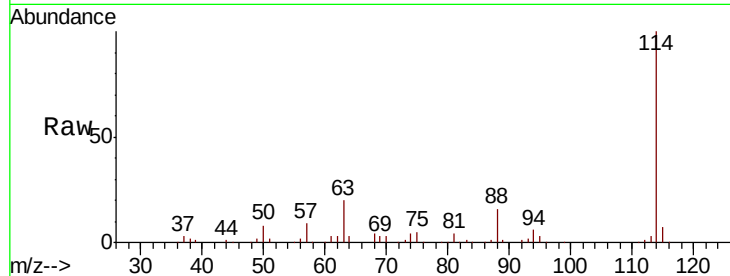




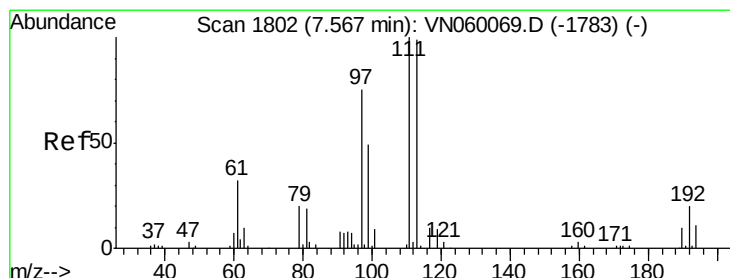
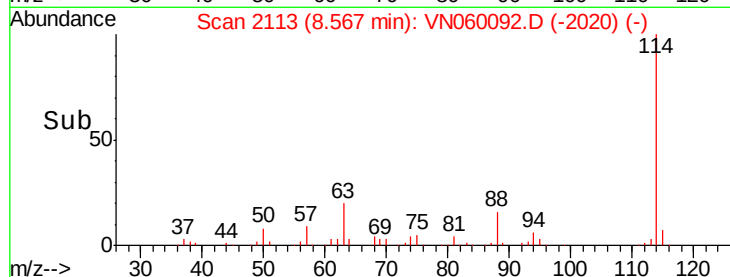
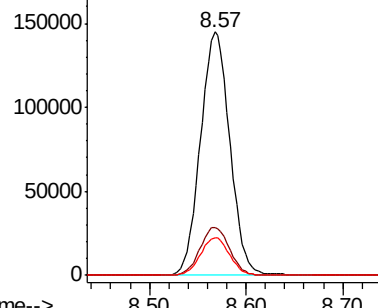
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.57 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 305822
Ion Ratio Lower Upper
114 100
63 19.8 0.0 40.0
88 15.6 0.0 31.6

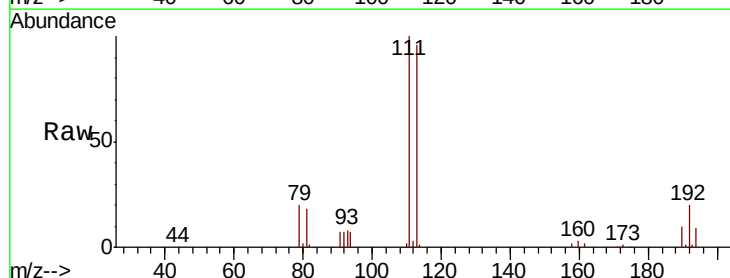


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

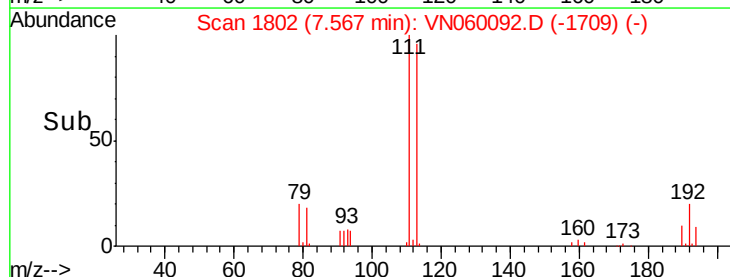
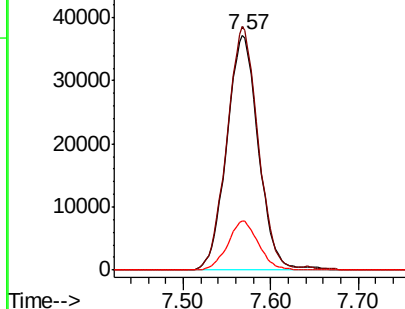


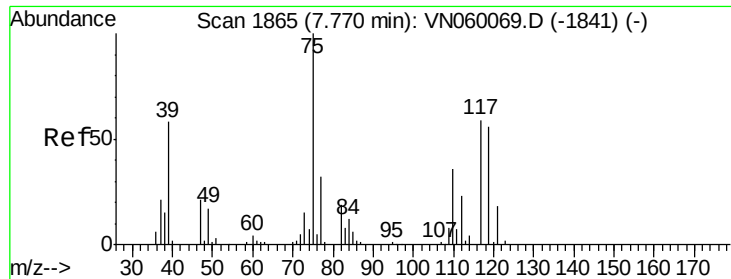
#35
Dibromofluoromethane
Concen: 49.645 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. 0.00 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

Tgt Ion:113 Resp: 93328
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

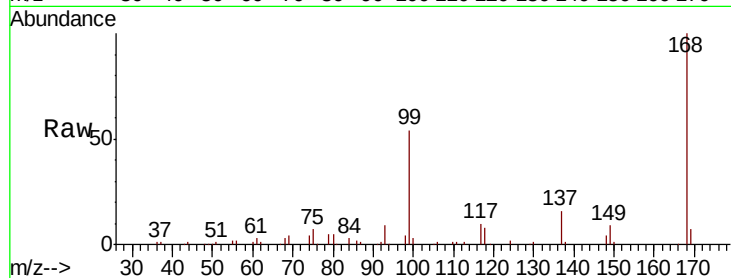




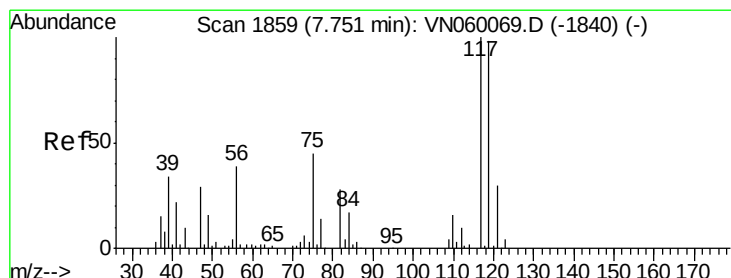
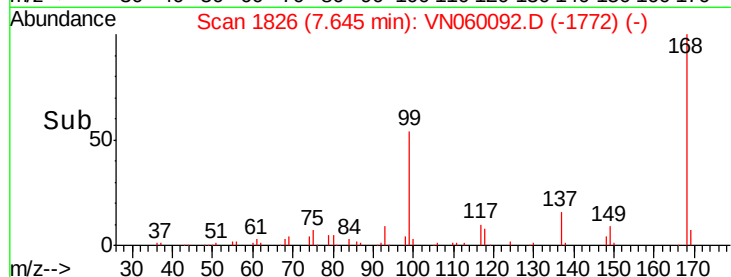
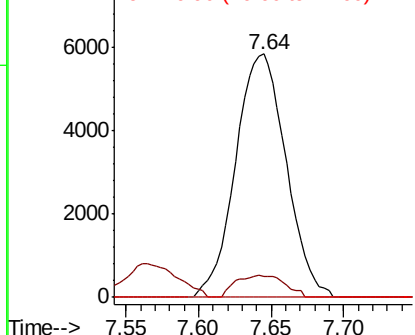
#36
 1,1-Dichloropropene
 Concen: 4.984 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060092.D
 Acq: 13 Feb 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 75 Resp: 14118
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.1 54.3#
 77 0.0 25.1 37.7#

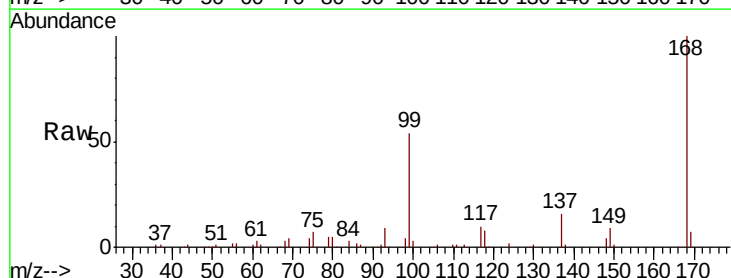


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VN0

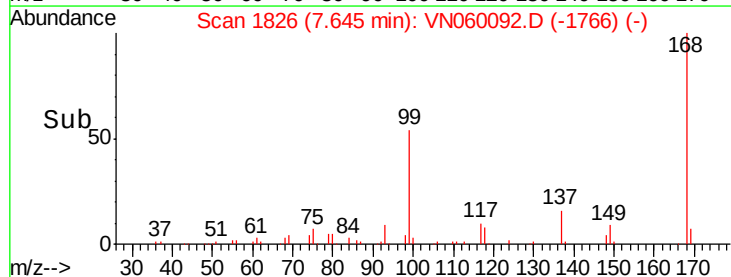
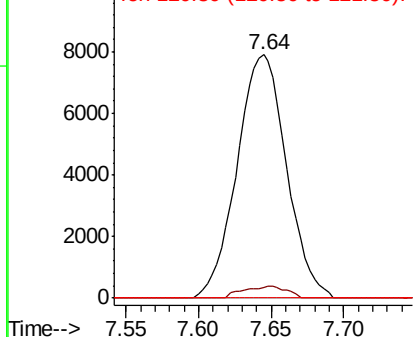


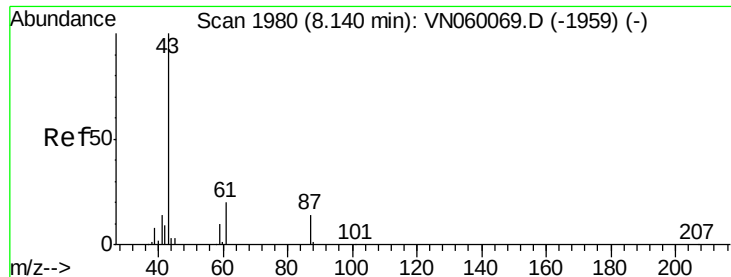
#38
 Carbon Tetrachloride
 Concen: 6.084 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN060092.D
 Acq: 13 Feb 2020 14:14

Tgt Ion: 117 Resp: 18717
 Ion Ratio Lower Upper
 117 100
 119 4.4 78.2 117.4#
 121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 7.438 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN060092.D

Acq: 13 Feb 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

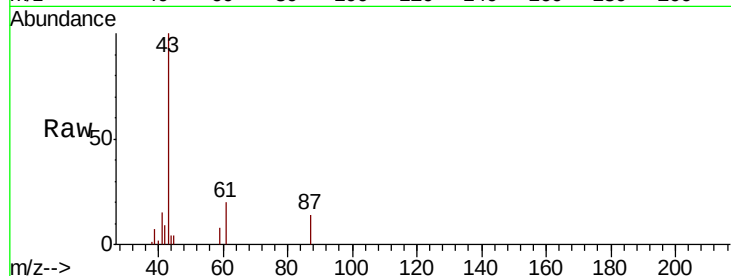
Tot Ion: 43 Resp: 32551

Ion Ratio Lower Upper

43 100

61 20.1 21.8 32.6#

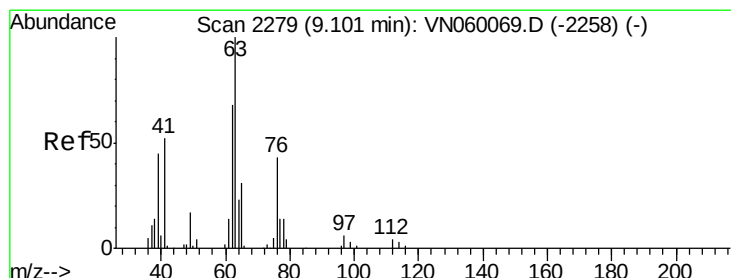
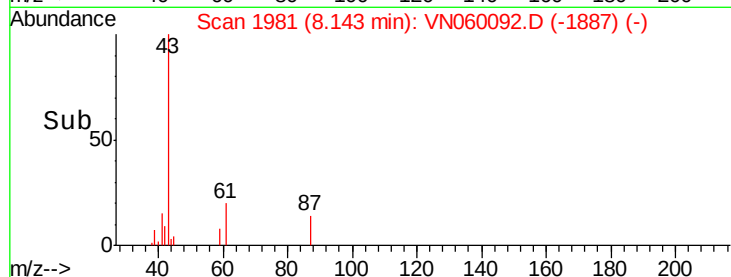
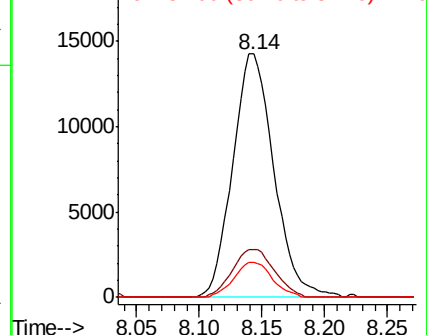
87 13.5 11.4 17.2



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: 0.313 ug/l

RT: 9.25 min Scan# 2325

Delta R.T. 0.15 min

Lab File: VN060092.D

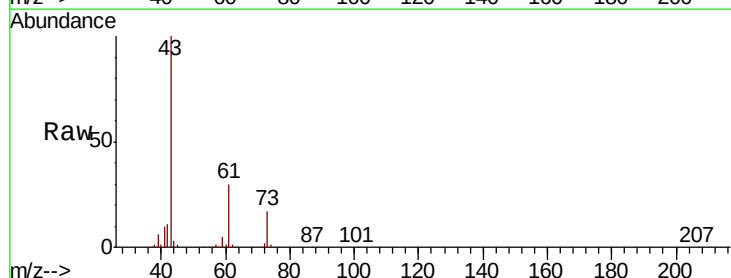
Acq: 13 Feb 2020 14:14

Tgt Ion: 63 Resp: 652

Ion Ratio Lower Upper

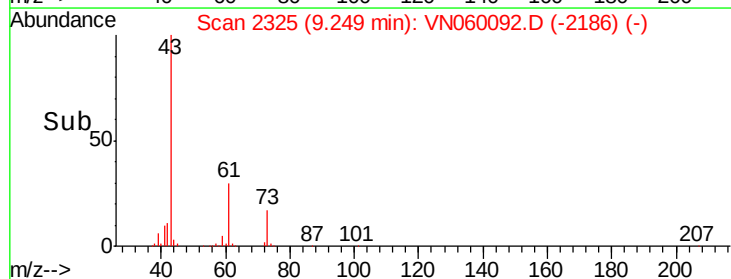
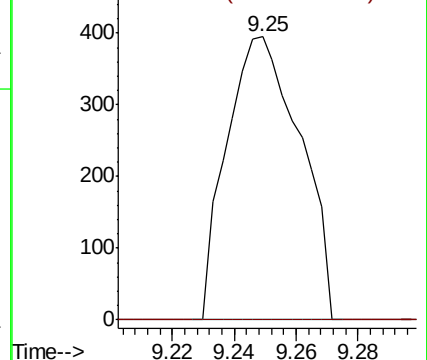
63 100

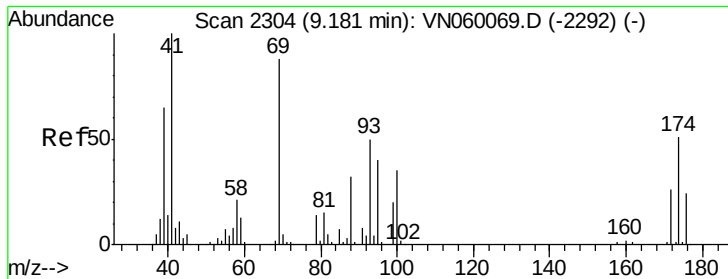
65 0.0 25.0 37.4#



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

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

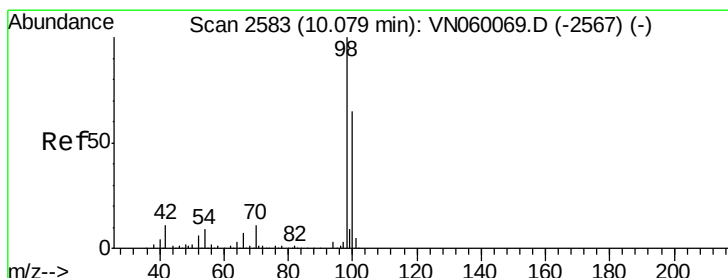
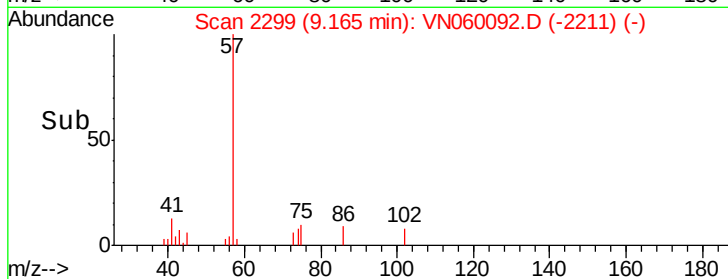
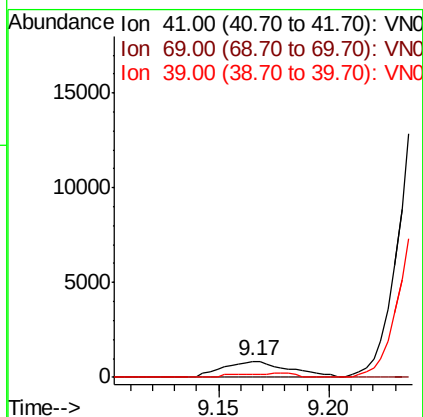
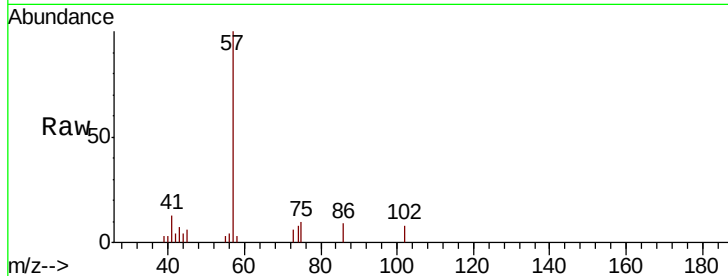




#48
Methyl methacrylate
Concen: 0.898 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. -0.02 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

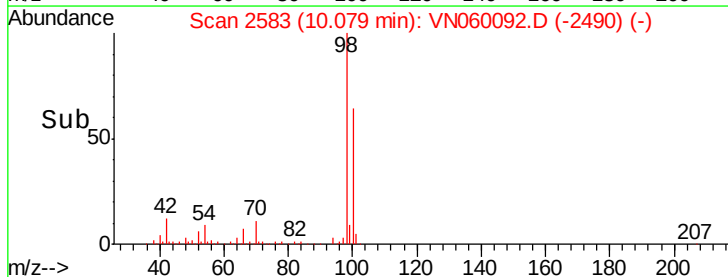
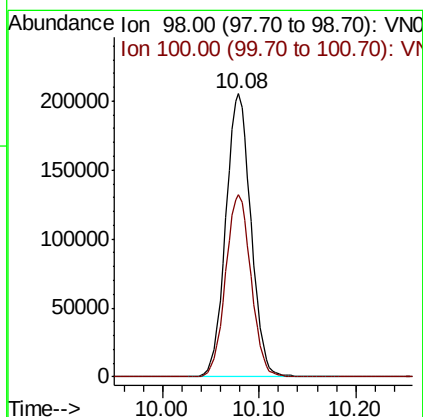
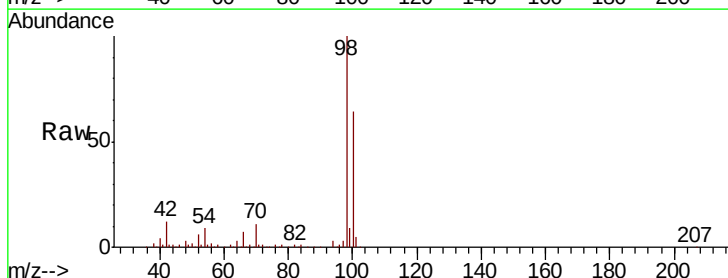
Instrument :
MSVOA_N
ClientSampleId :

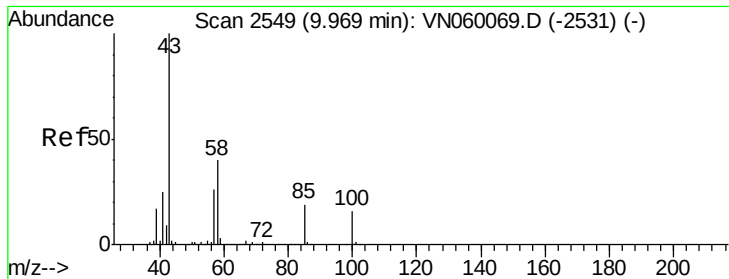
Tot Ion: 41 Resp: 1763
Ion Ratio Lower Upper
41 100
69 0.0 72.0 108.0#
39 0.0 54.1 81.1#



#50
Toluene-d8
Concen: 49.961 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

Tgt Ion: 98 Resp: 369853
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5





#51

4-Methyl-2-Pentanone

Concen: 1.037 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060092.D

Acq: 13 Feb 2020 14:14

Instrument :

MSVOA_N

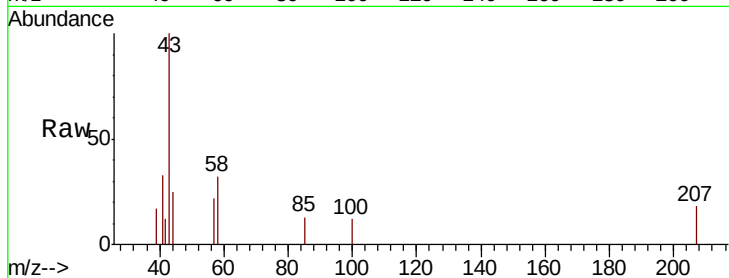
ClientSampled :

Tot Ion: 43 Resp: 2626

Ion Ratio Lower Upper

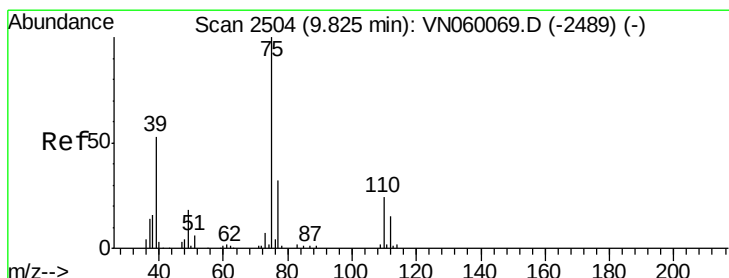
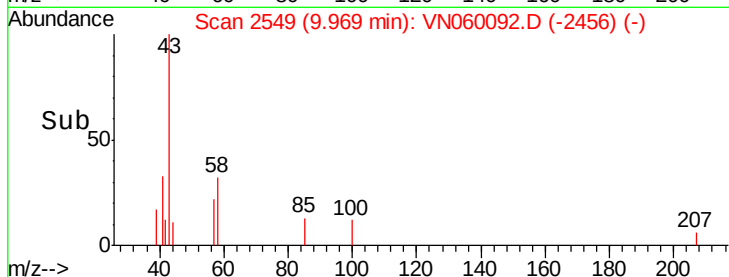
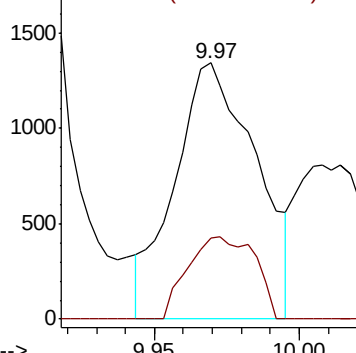
43 100

58 26.4 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: 4.229 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060092.D

Acq: 13 Feb 2020 14:14

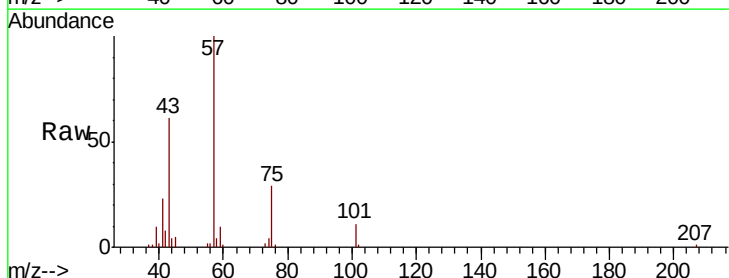
Tgt Ion: 75 Resp: 15022

Ion Ratio Lower Upper

75 100

77 0.0 25.6 38.4#

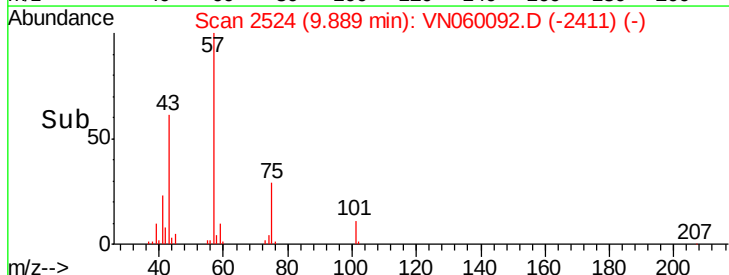
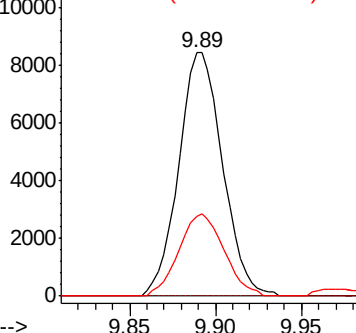
39 33.0 42.2 63.4#

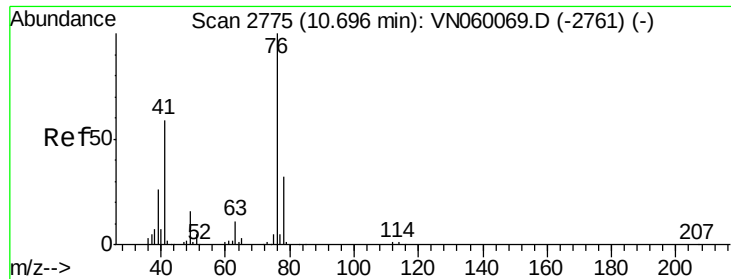


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

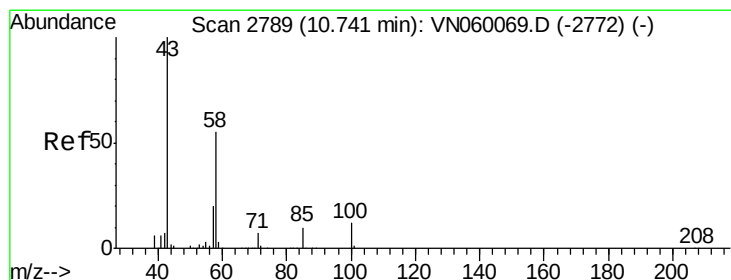
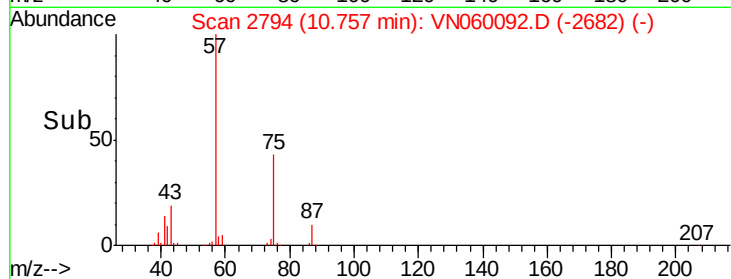
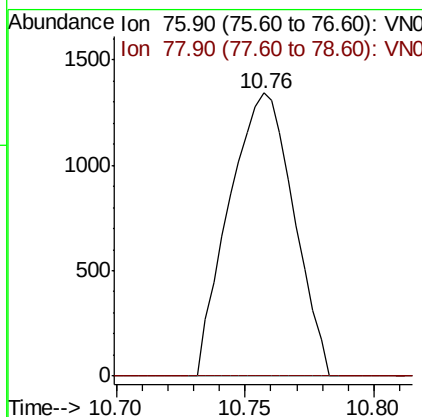
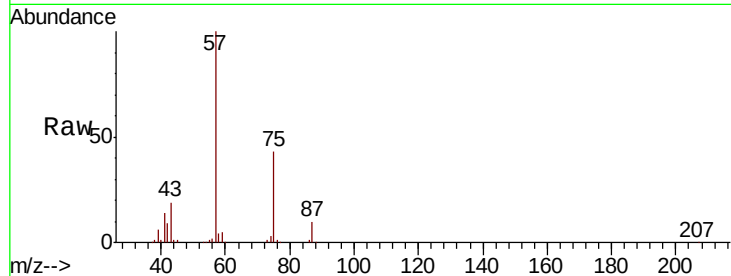




#57
 1,3-Dichloropropane
 Concen: 0.675 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.06 min
 Lab File: VN060092.D
 Acq: 13 Feb 2020 14:14

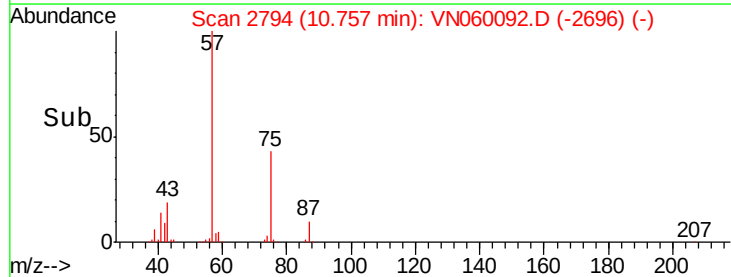
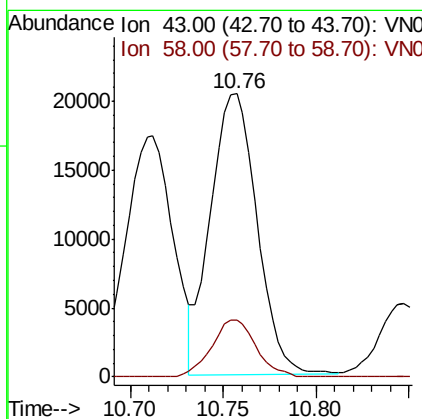
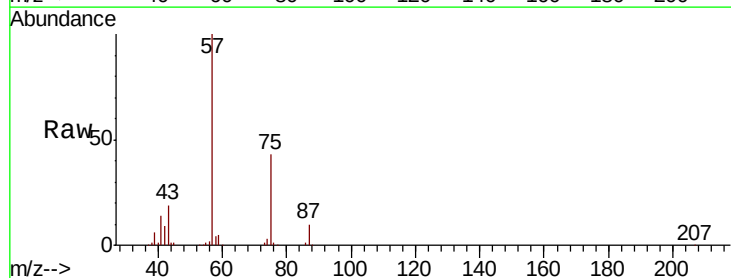
Instrument :
 MSVOA_N
 ClientSampled :

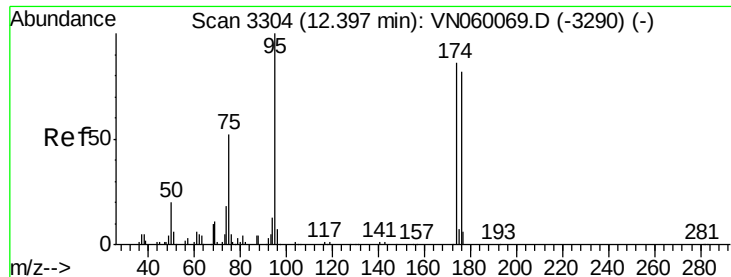
Tot Ion: 76 Resp: 2341
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.7 38.5#



#59
 2-Hexanone
 Concen: 18.169 ug/l
 RT: 10.76 min Scan# 2794
 Delta R.T. 0.02 min
 Lab File: VN060092.D
 Acq: 13 Feb 2020 14:14

Tgt Ion: 43 Resp: 35551
 Ion Ratio Lower Upper
 43 100
 58 19.3 27.5 82.4#

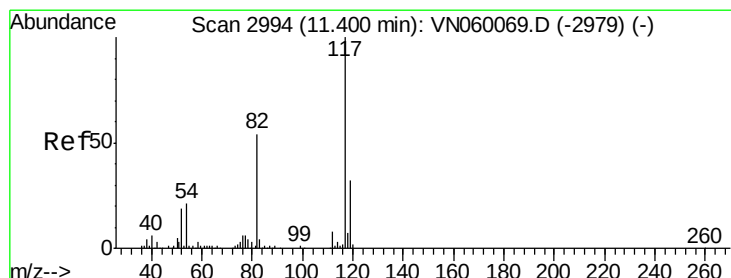
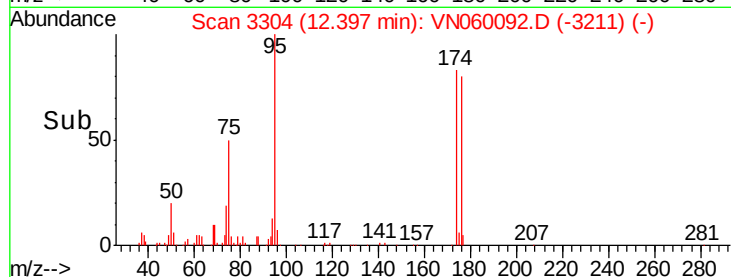
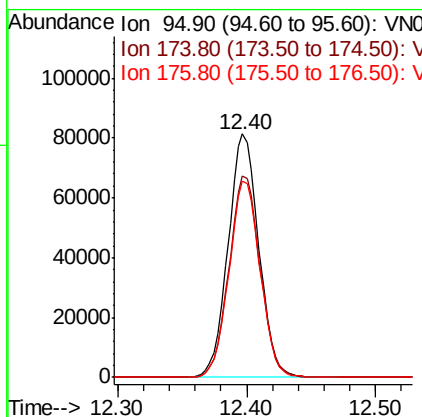
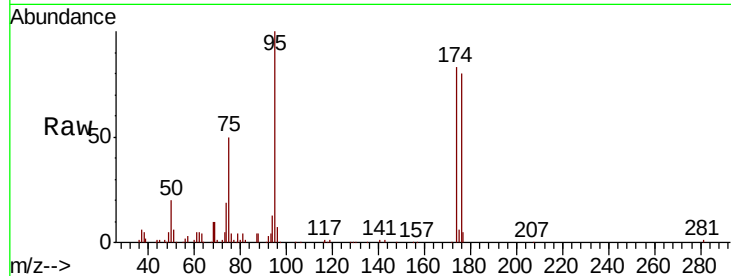




#62
4-Bromofluorobenzene
Concen: 49.225 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.00 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

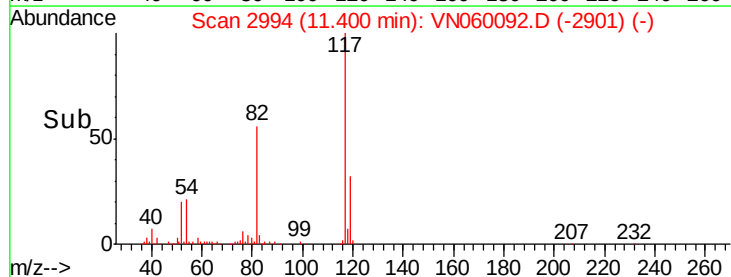
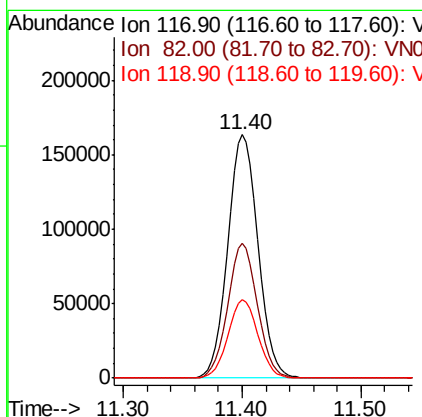
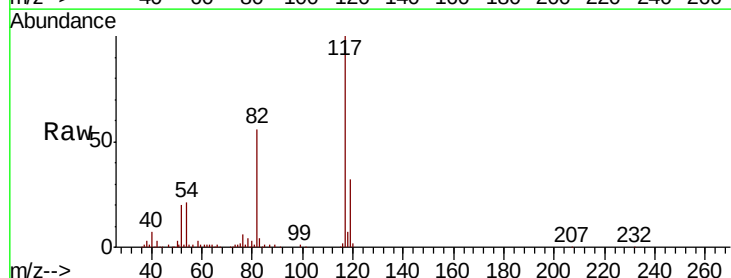
Instrument :
MSVOA_N
ClientSampleId :

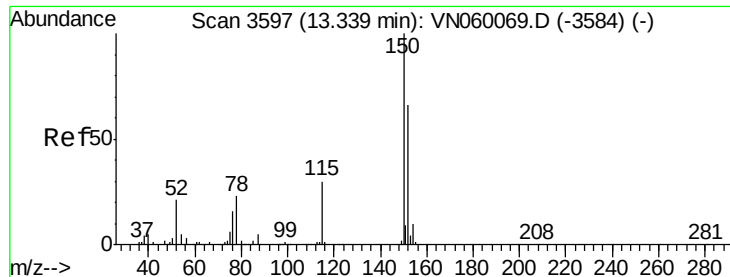
Tot Ion: 95 Resp: 133904
Ion Ratio Lower Upper
95 100
174 84.2 0.0 169.8
176 81.8 0.0 164.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

Tgt Ion: 117 Resp: 287179
Ion Ratio Lower Upper
117 100
82 55.6 43.4 65.0
119 32.1 25.8 38.6

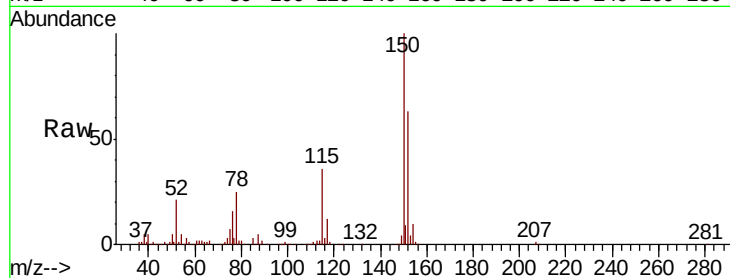




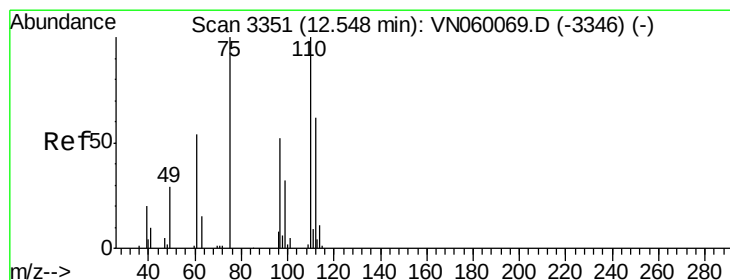
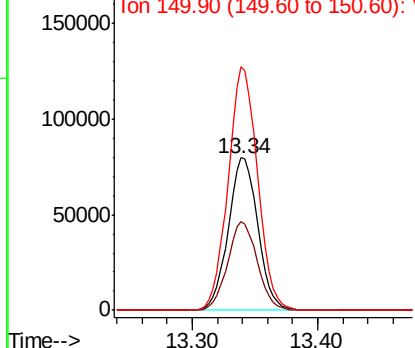
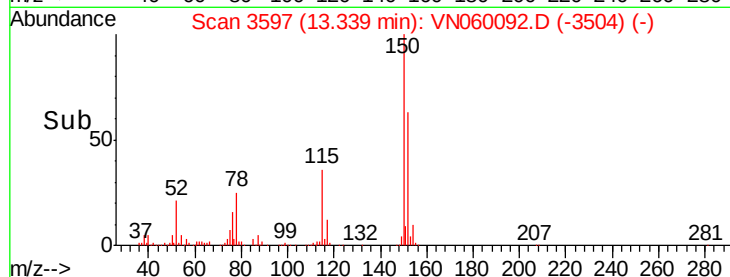
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN060092.D
 Acq: 13 Feb 2020 14:14

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.9	86.8
150	158.3	0.0	342.4

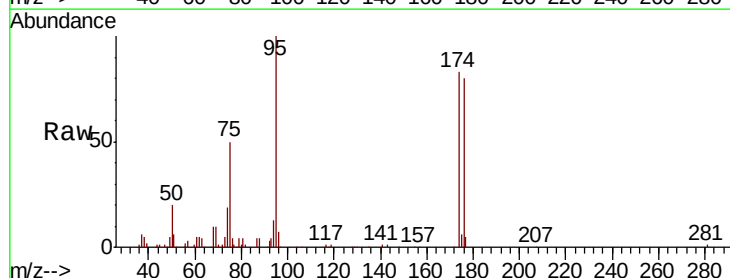


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

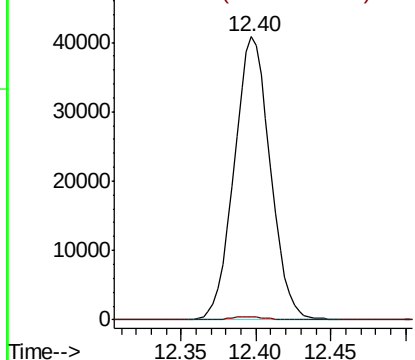
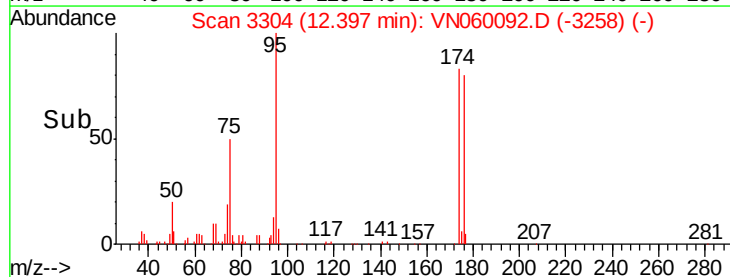


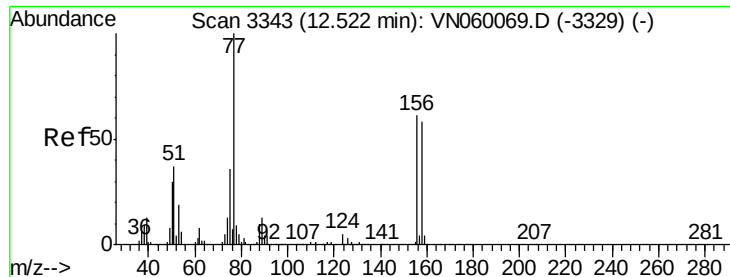
#76
 1,2,3-Trichloropropane
 Concen: 27.228 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.15 min
 Lab File: VN060092.D
 Acq: 13 Feb 2020 14:14

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



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 77.00 (76.70 to 77.70): V





#77

Bromobenzene

Concen: 0.732 ug/l

RT: 12.52 min Scan# 3341

Delta R.T. -0.01 min

Lab File: VN060092.D

Acq: 13 Feb 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :

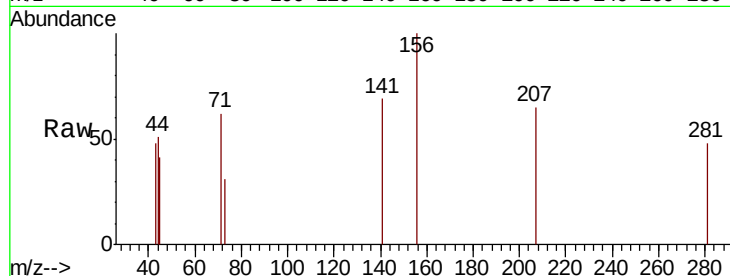
Tot Ion:156 Resp: 1781

Ion Ratio Lower Upper

156 100

77 1.7 98.7 296.1#

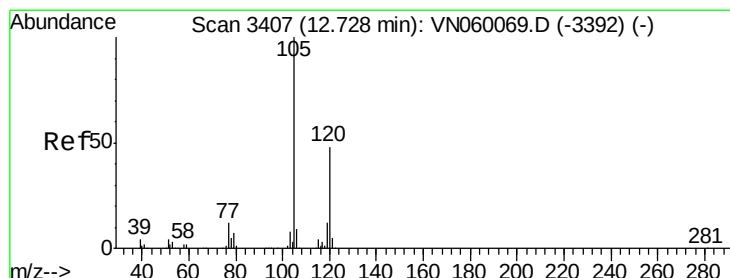
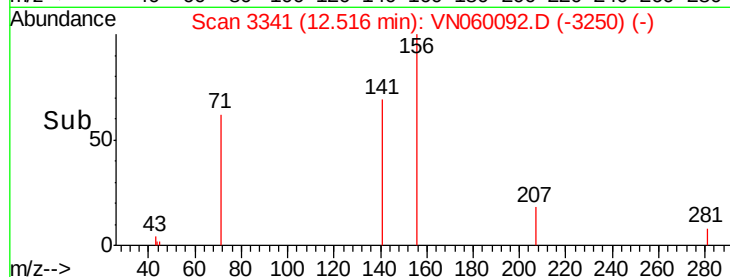
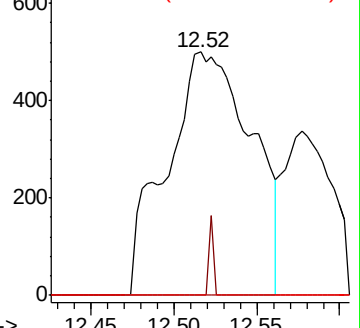
158 0.0 48.1 144.4#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#80

1,3,5-Trimethylbenzene

Concen: 0.629 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN060092.D

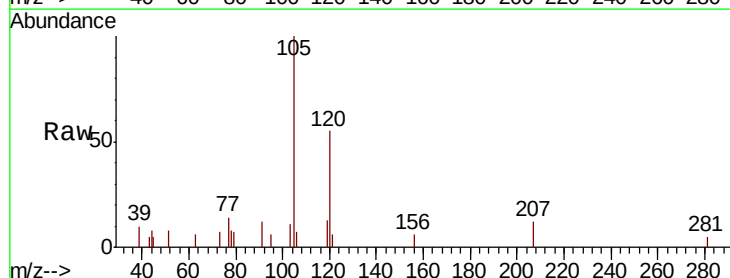
Acq: 13 Feb 2020 14:14

Tgt Ion:105 Resp: 5123

Ion Ratio Lower Upper

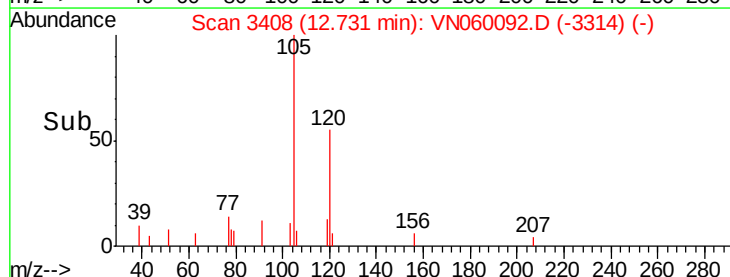
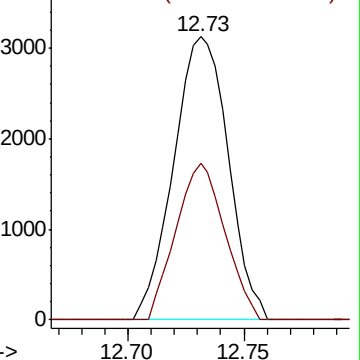
105 100

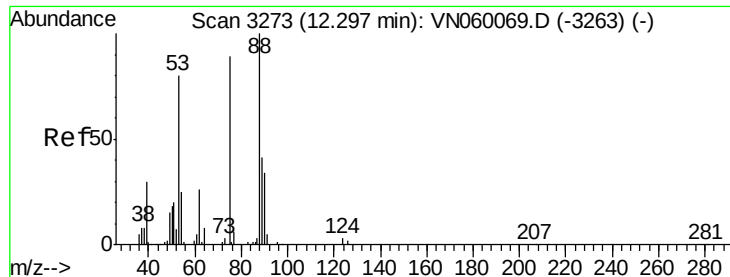
120 49.6 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

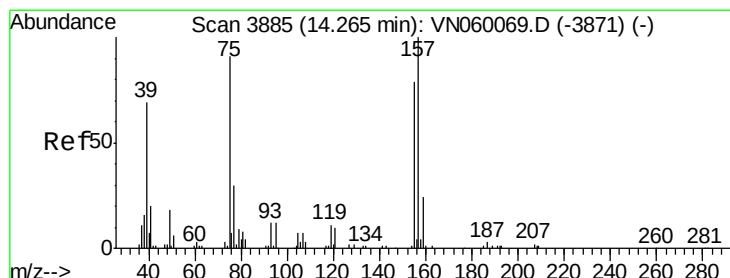
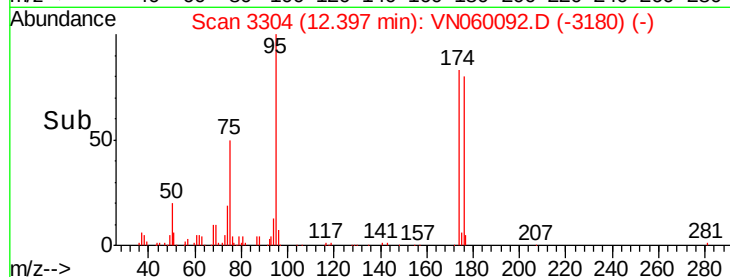
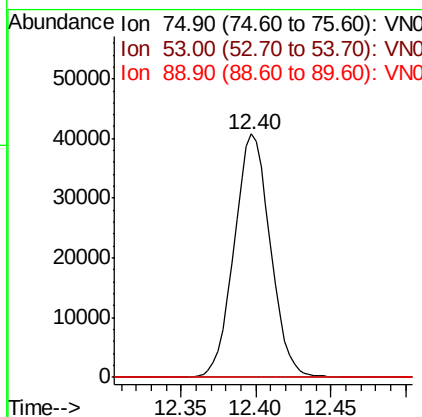
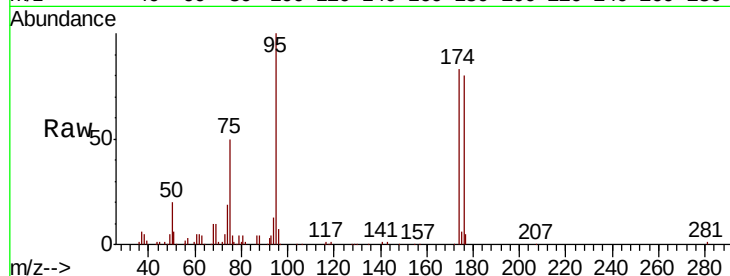




#81
trans-1,4-Dichloro-2-butene
Concen: 66.667 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

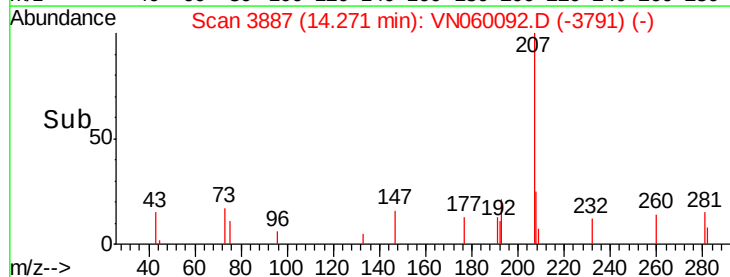
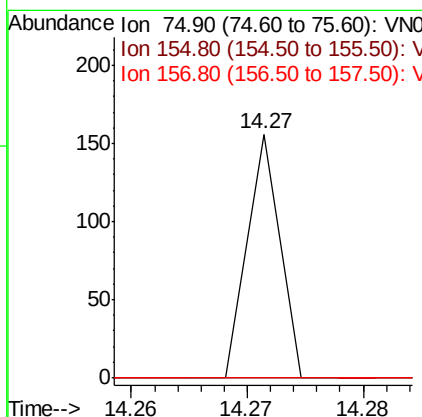
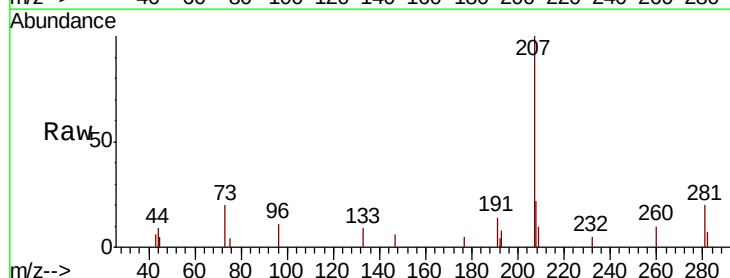
Instrument :
MSVOA_N
ClientSampled :

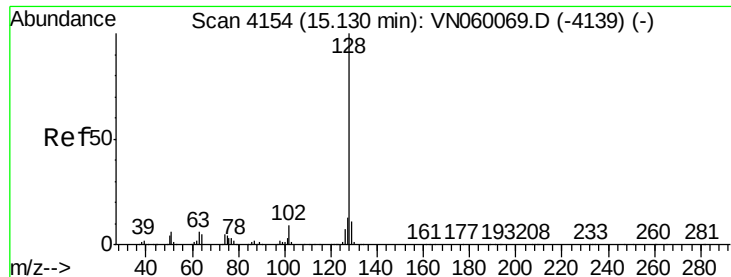
Tot Ion: 75 Resp: 68367
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.27 min Scan# 3887
Delta R.T. 0.01 min
Lab File: VN060092.D
Acq: 13 Feb 2020 14:14

Tgt Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
155 0.0 43.0 129.0#
157 0.0 54.9 164.5#





#95

Naphthalene

Concen: 0.201 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

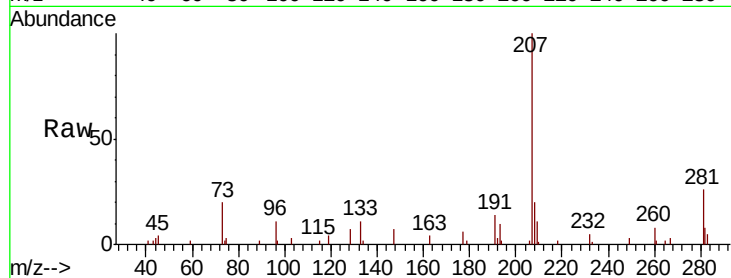
Lab File: VN060092.D

Acq: 13 Feb 2020 14:14

Instrument :

MSVOA_N

ClientSampleId :



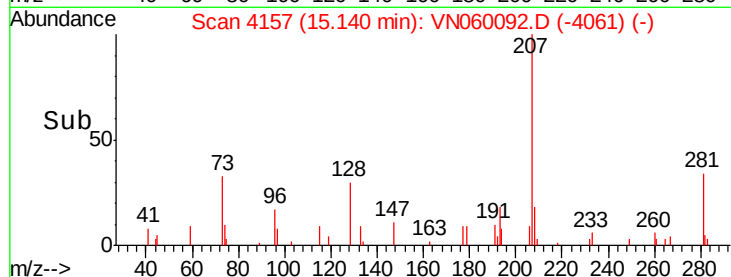
Tot Ion:128 Resp: 1343

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.6 13.0#



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

