

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN021920\
 Data File : VN060145.D
 Acq On : 19 Feb 2020 10:46
 Operator : JC/MD
 Sample : VN0219WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 20 01:14:39 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	173636	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	275755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	254572	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	105330	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	103277	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
35) Dibromofluoromethane	7.57	113	82900	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	10.08	98	330906	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
62) 4-Bromofluorobenzene	12.40	95	113884	46.43	ug/l	0.00
Spiked Amount			Recovery	=	92.86%	

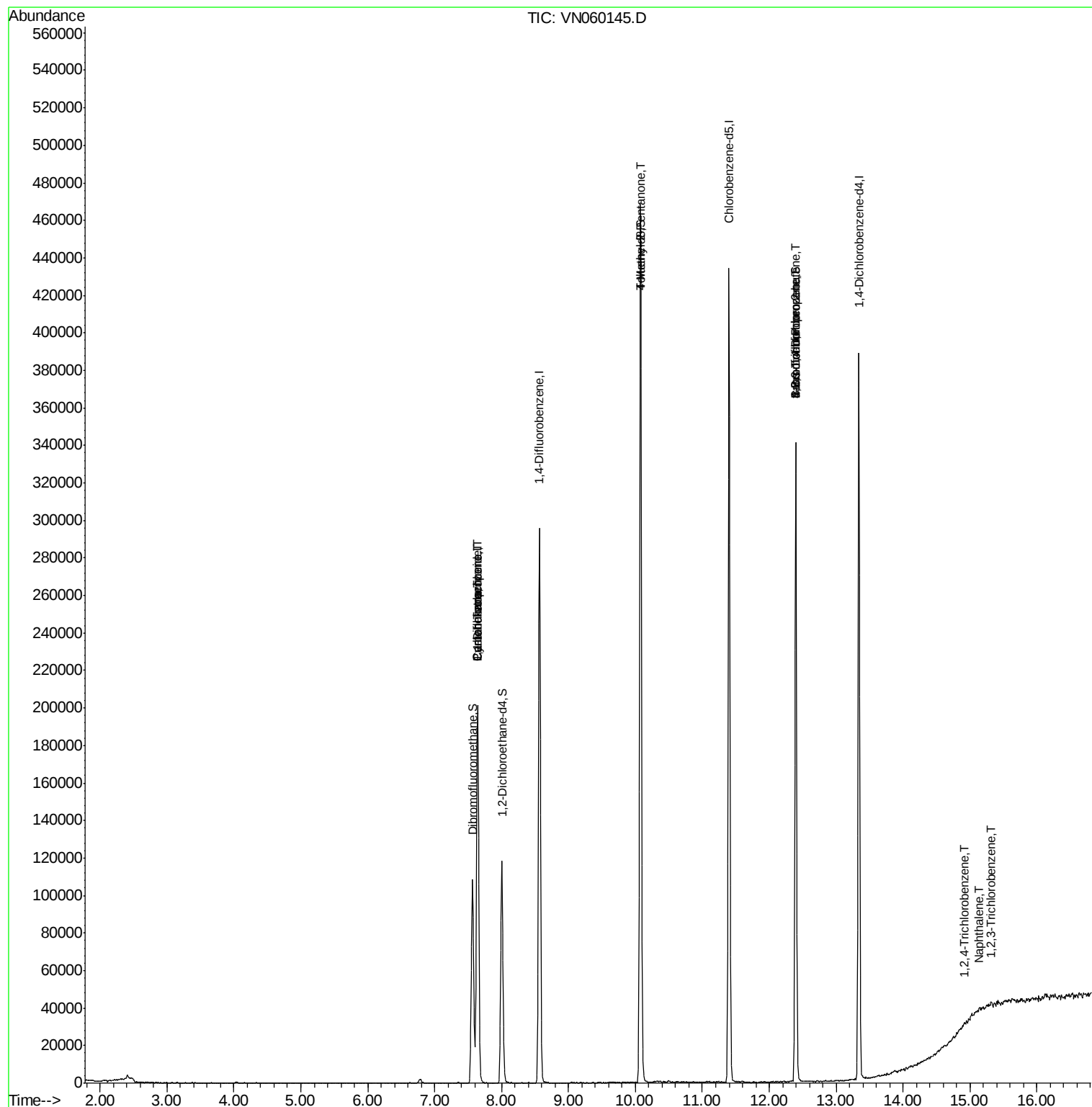
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.63	56	3686	1.233	ug/l #	28
36) 1,1-Dichloropropene	7.64	75	12533	4.907	ug/l #	48
38) Carbon Tetrachloride	7.64	117	16455	5.932	ug/l #	14
51) 4-Methyl-2-Pentanone	10.08	43	1559	0.683	ug/l #	1
71) Bromoform	12.39	173	471	0.298	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	59372	29.462	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	59372	72.138	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	124	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.91	180	525	0.264	ug/l #	60
95) Naphthalene	15.13	128	1880	0.350	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.31	180	588	0.297	ug/l	93

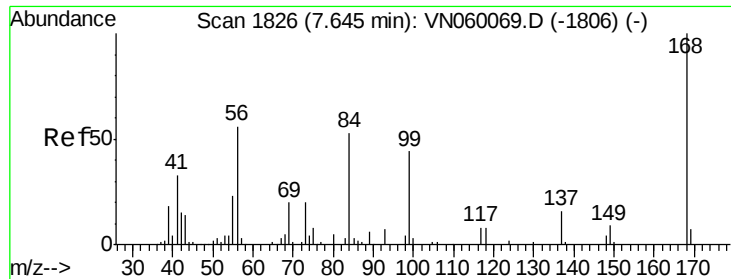
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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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# 1825

Delta R.T. -0.00 min

Lab File: VN060145.D

Acq: 19 Feb 2020 10:46

Instrument :

MSVOA_N

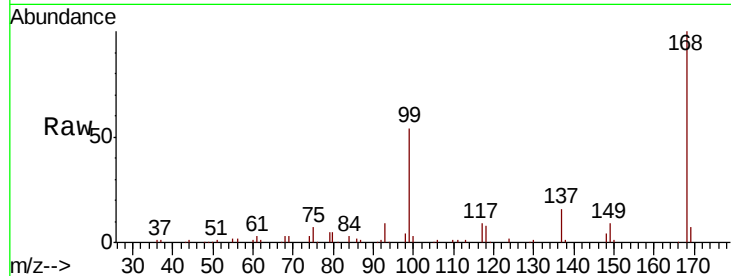
ClientSampleId :

Tot Ion:168 Resp: 173636

Ion Ratio Lower Upper

168 100

99 53.6 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

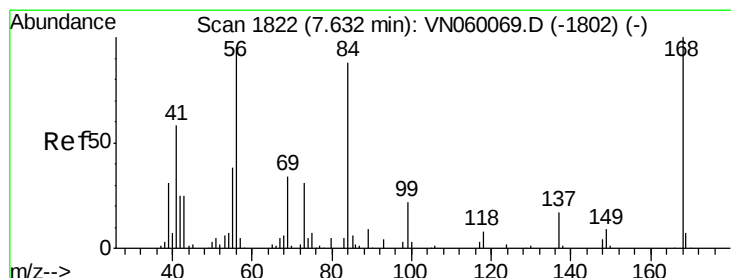
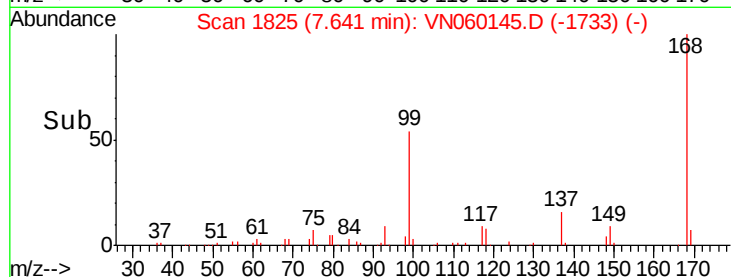
40000

20000

0

7.60 7.70

Time-->



#31

Cyclohexane

Concen: 1.233 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN060145.D

Acq: 19 Feb 2020 10:46

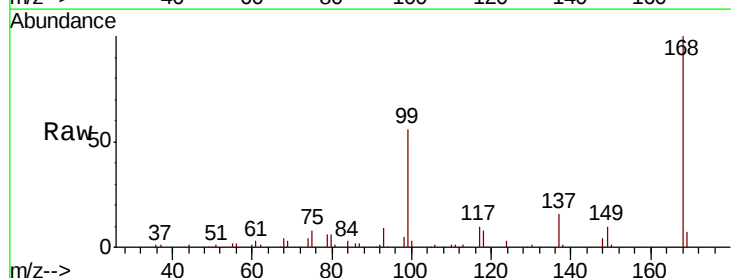
Tgt Ion: 56 Resp: 3686

Ion Ratio Lower Upper

56 100

69 140.9 28.3 42.5#

84 118.4 72.6 108.8#



Abundance Ion 56.00 (55.70 to 56.70): VN

Ion 69.00 (68.70 to 69.70): VN

Ion 84.00 (83.70 to 84.70): VN

3000

2500

2000

1500

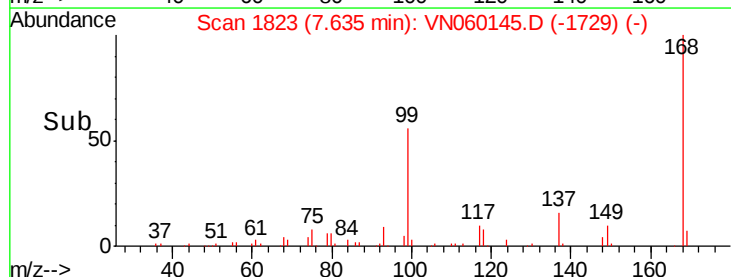
1000

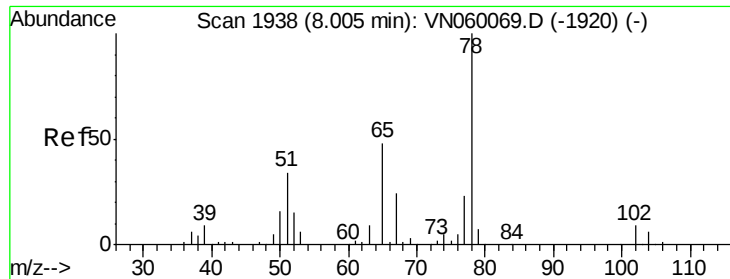
500

0

7.60 7.65 7.70

Time-->

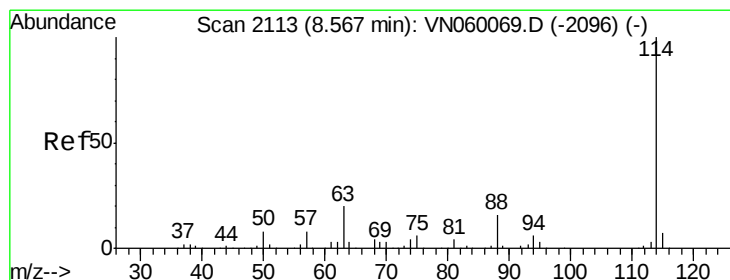
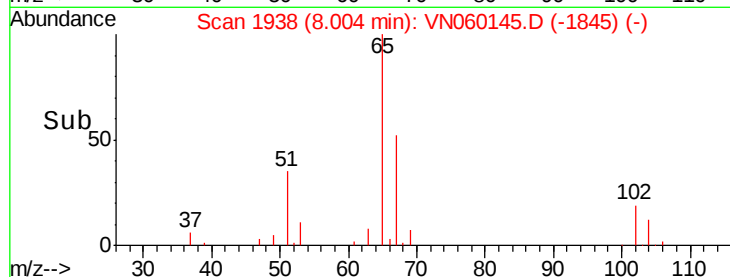
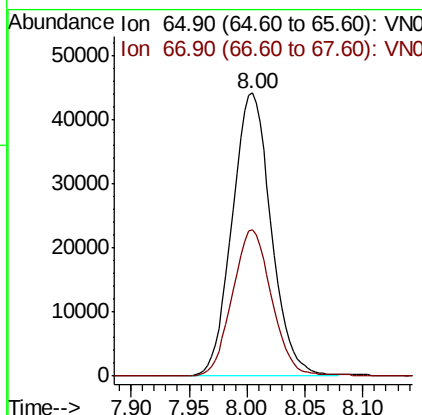
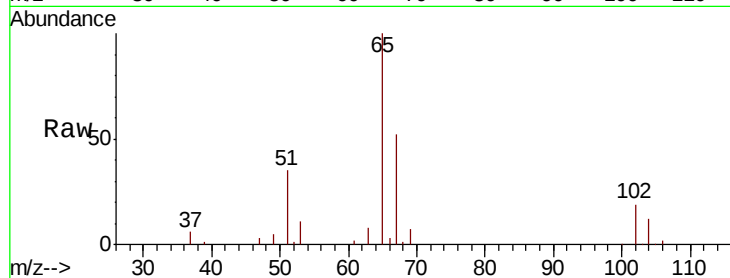




#33
 1,2-Dichloroethane-d4
 Concen: 48.880 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060145.D
 Acq: 19 Feb 2020 10:46

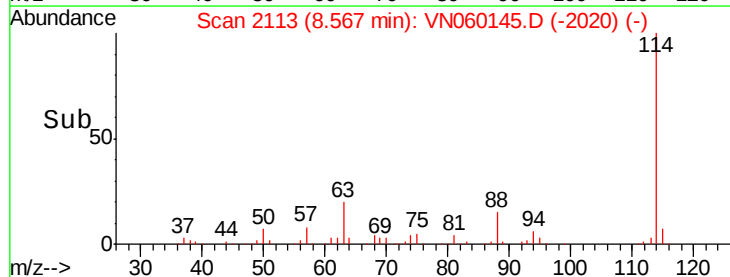
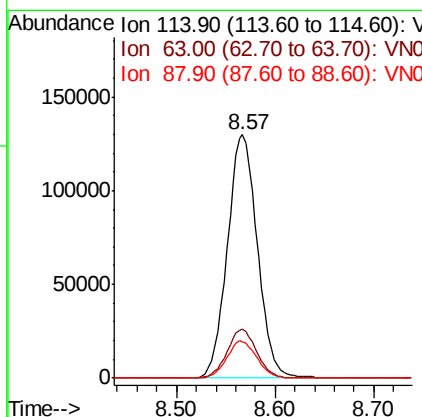
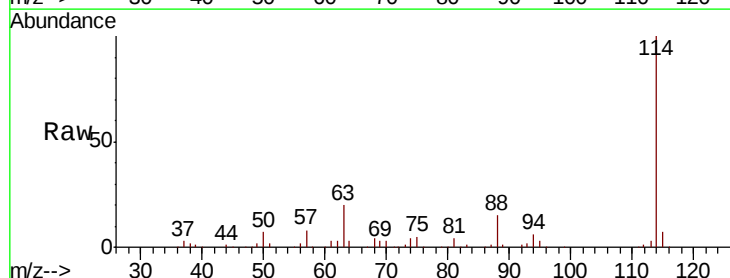
Instrument :
 MSVOA_N
 ClientSampleId :

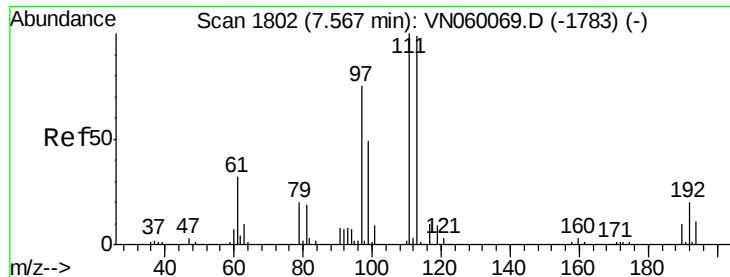
Tot Ion: 65 Resp: 103277
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060145.D
 Acq: 19 Feb 2020 10:46

Tgt Ion: 114 Resp: 275755
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.0
 88 15.1 0.0 31.6

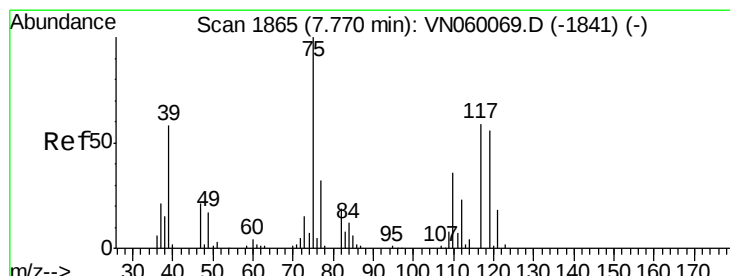
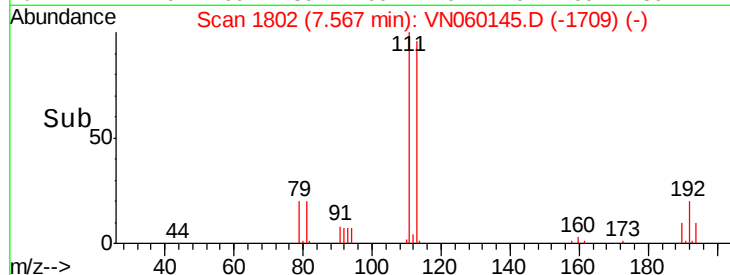
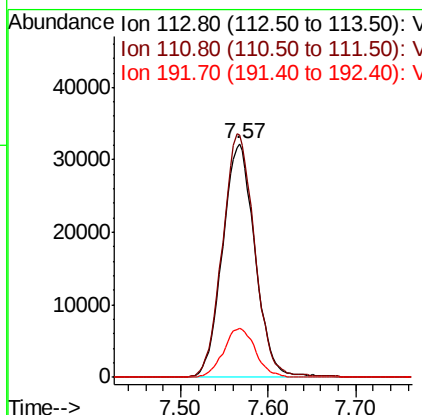
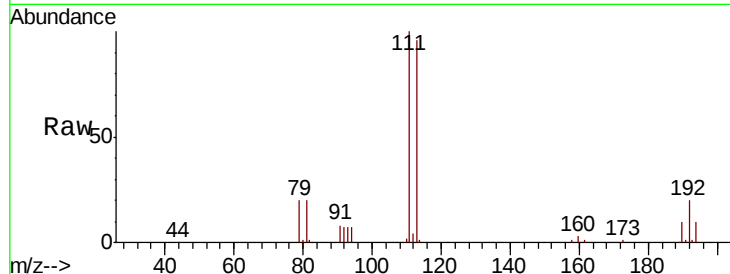




#35
 Dibromofluoromethane
 Concen: 48.907 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060145.D
 Acq: 19 Feb 2020 10:46

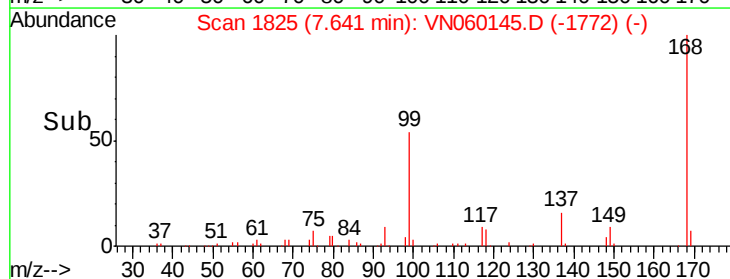
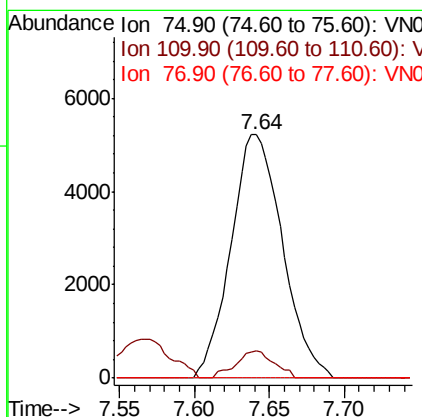
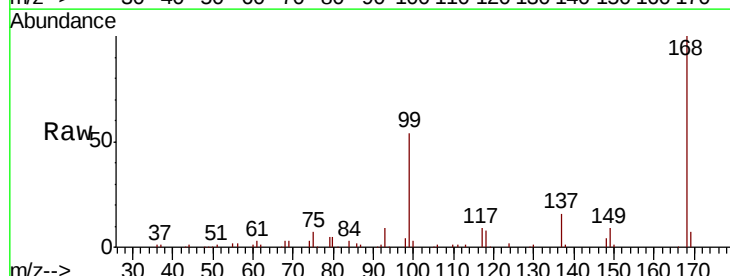
Instrument :
 MSVOA_N
 ClientSampleId :

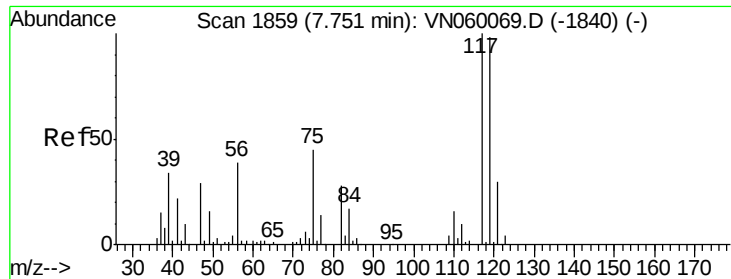
Tot Ion:113 Resp: 82900
 Ion Ratio Lower Upper
 113 100
 111 103.7 81.4 122.2
 192 20.6 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.907 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.13 min
 Lab File: VN060145.D
 Acq: 19 Feb 2020 10:46

Tgt Ion: 75 Resp: 12533
 Ion Ratio Lower Upper
 75 100
 110 8.2 18.1 54.3#
 77 0.0 25.1 37.7#

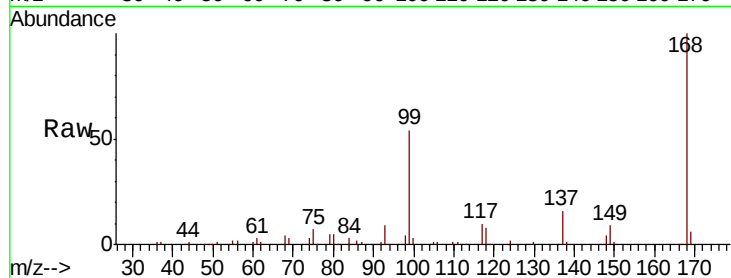




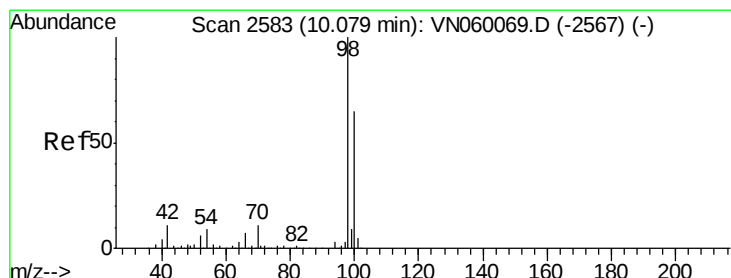
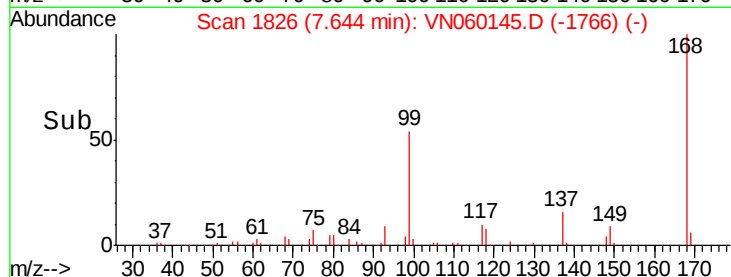
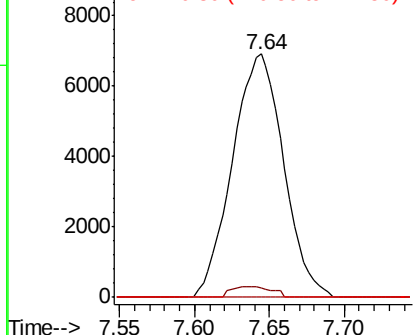
#38
Carbon Tetrachloride
Concen: 5.932 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.11 min
Lab File: VN060145.D
Acq: 19 Feb 2020 10:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 16455
Ion Ratio Lower Upper
117 100
119 4.0 78.2 117.4#
121 0.0 24.2 36.2#

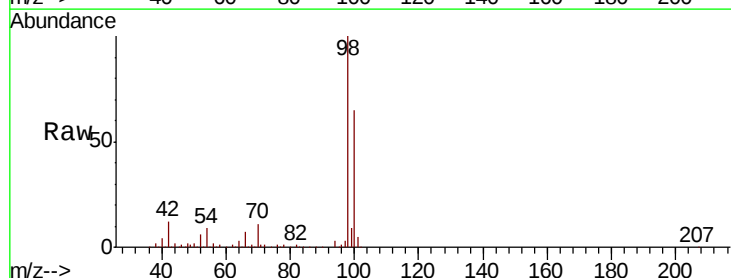


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

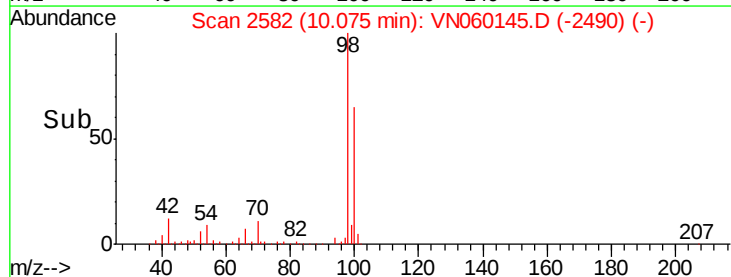
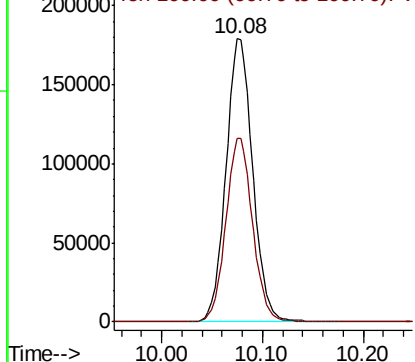


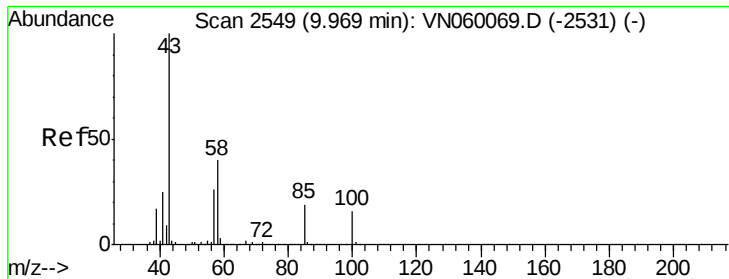
#50
Toluene-d8
Concen: 49.573 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060145.D
Acq: 19 Feb 2020 10:46

Tgt Ion: 98 Resp: 330906
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 0.683 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.11 min

Lab File: VN060145.D

Acq: 19 Feb 2020 10:46

Instrument :

MSVOA_N

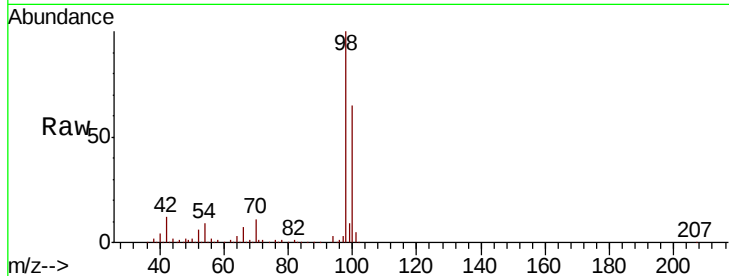
ClientSampleId :

Tot Ion: 43 Resp: 1559

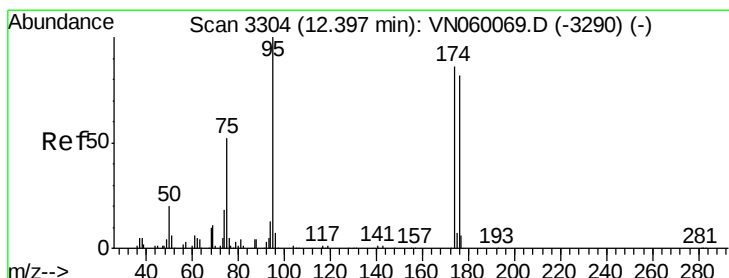
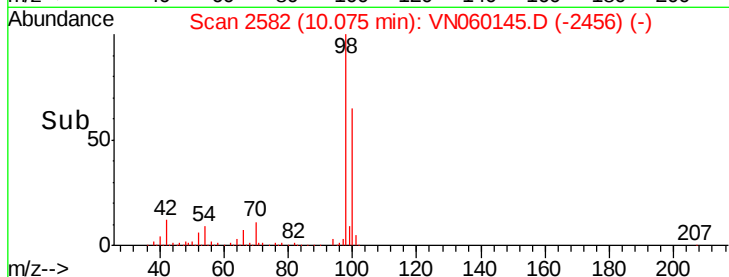
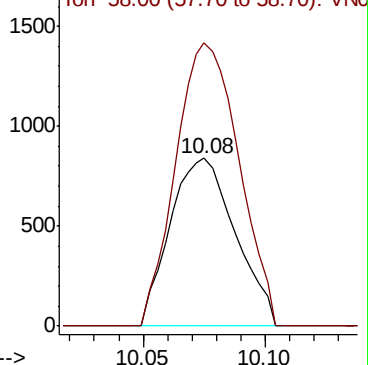
Ion Ratio Lower Upper

43 100

58 163.2 31.8 47.8#



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-2531) (-)



#62

4-Bromofluorobenzene

Concen: 46.430 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060145.D

Acq: 19 Feb 2020 10:46

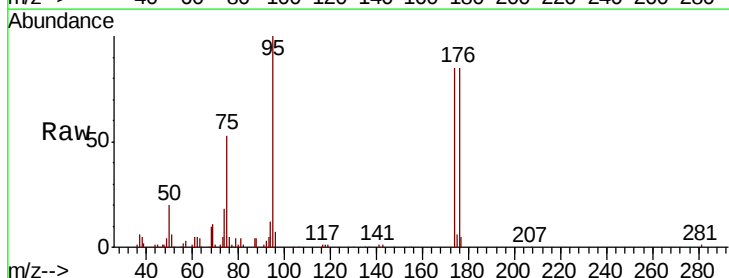
Tgt Ion: 95 Resp: 113884

Ion Ratio Lower Upper

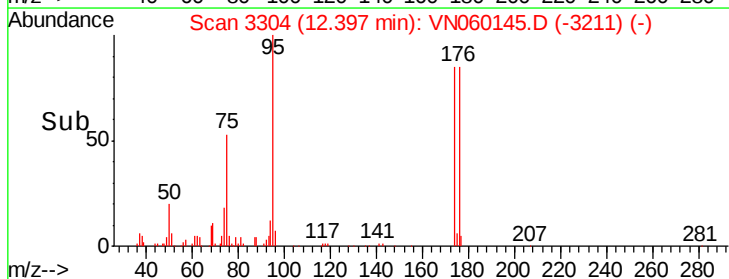
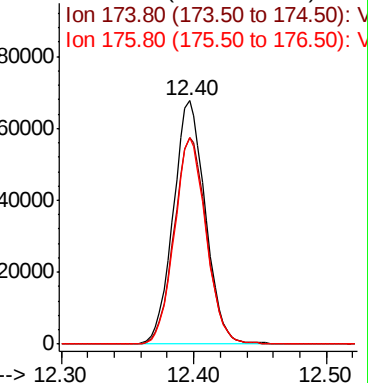
95 100

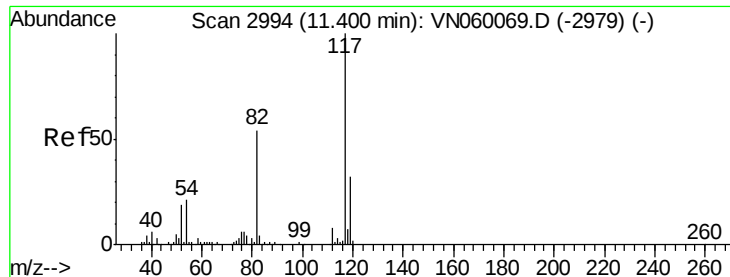
174 85.4 0.0 169.8

176 83.6 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN060069.D (-3290) (-)

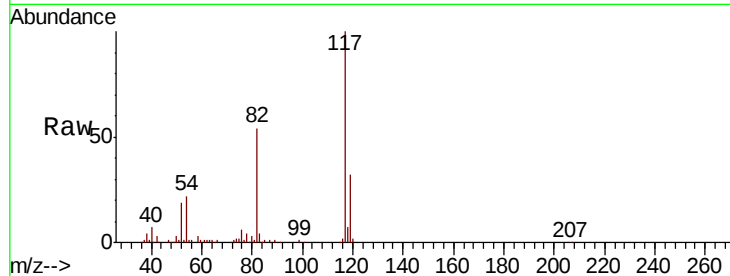




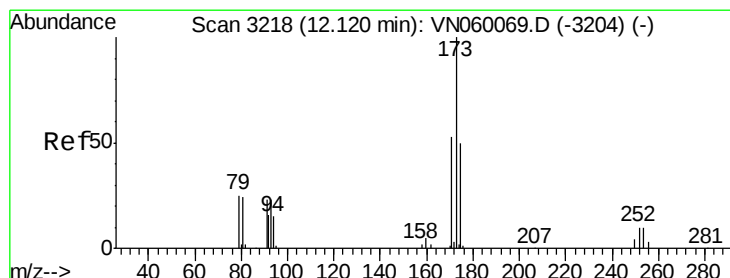
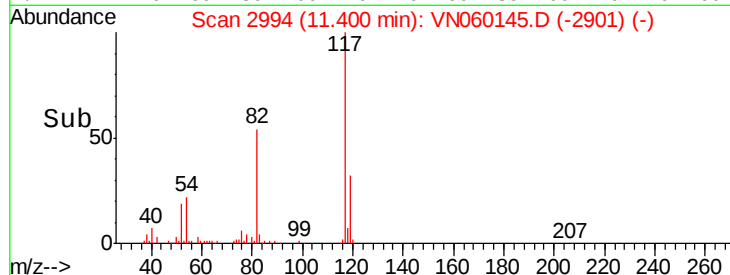
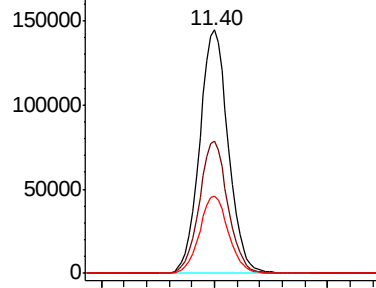
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060145.D
Acq: 19 Feb 2020 10:46

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 254572
Ion Ratio Lower Upper
117 100
82 54.3 43.4 65.0
119 31.9 25.8 38.6

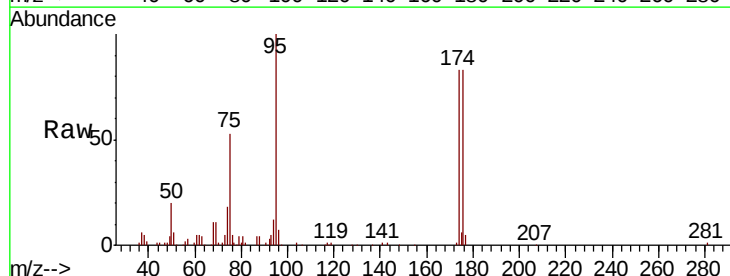


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

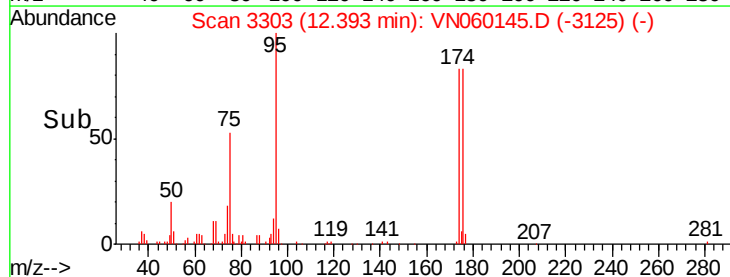
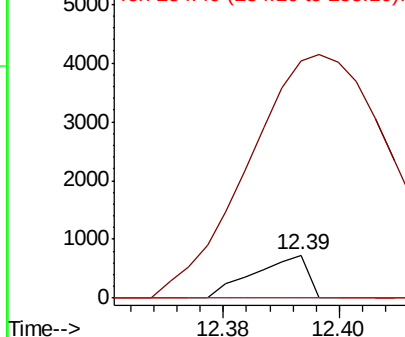


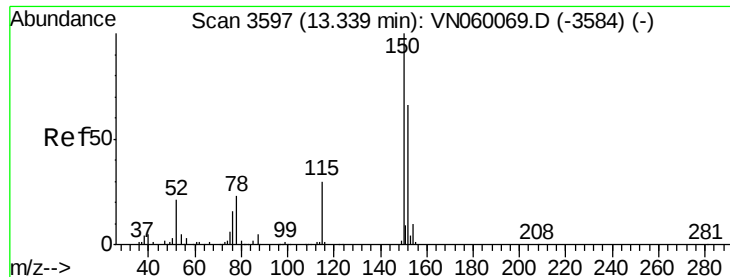
#71
Bromoform
Concen: 0.298 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN060145.D
Acq: 19 Feb 2020 10:46

Tgt Ion:173 Resp: 471
Ion Ratio Lower Upper
173 100
175 1261.1 24.9 74.6#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. -0.00 min

Lab File: VN060145.D

Acq: 19 Feb 2020 10:46

Instrument :

MSVOA_N

ClientSampled :

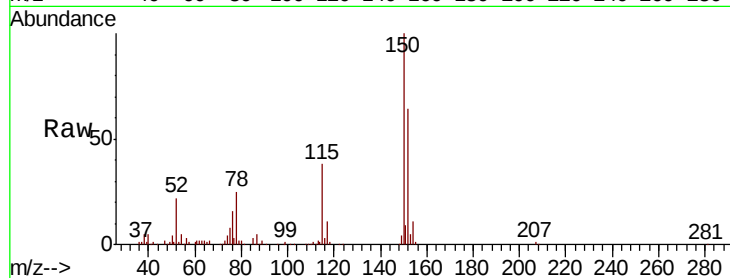
Tot Ion:152 Resp: 105330

Ion Ratio Lower Upper

152 100

115 59.3 28.9 86.8

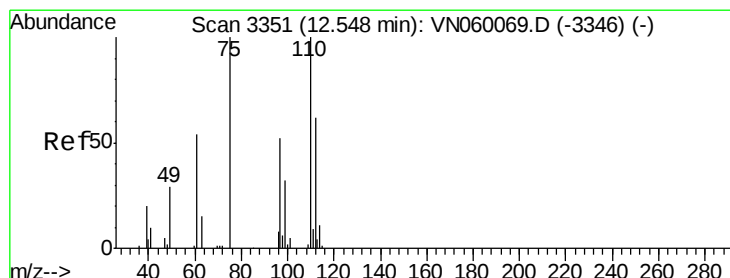
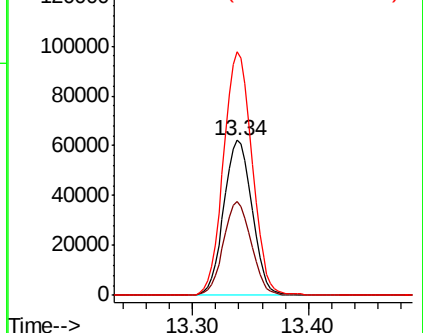
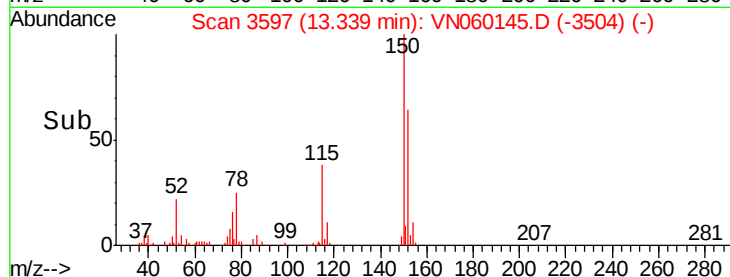
150 157.3 0.0 342.4



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: 29.462 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060145.D

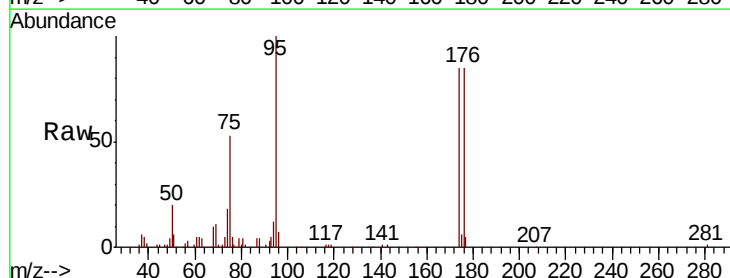
Acq: 19 Feb 2020 10:46

Tgt Ion: 75 Resp: 59372

Ion Ratio Lower Upper

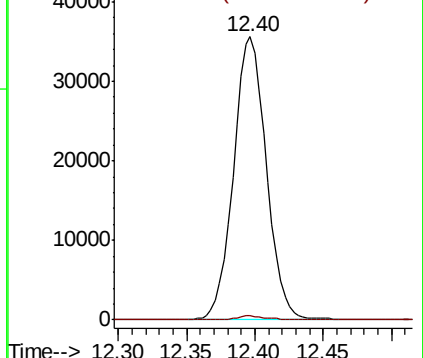
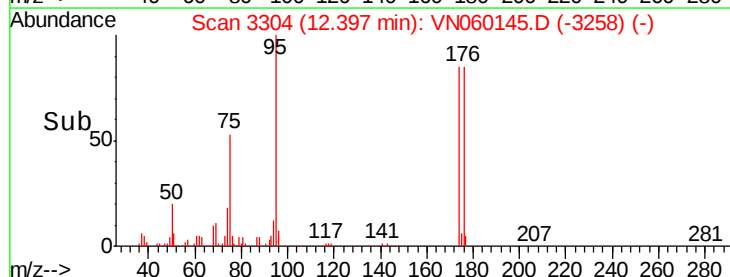
75 100

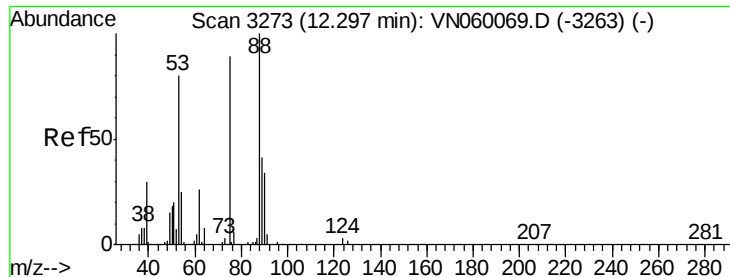
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

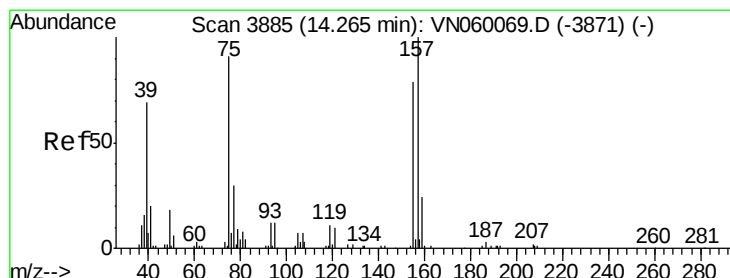
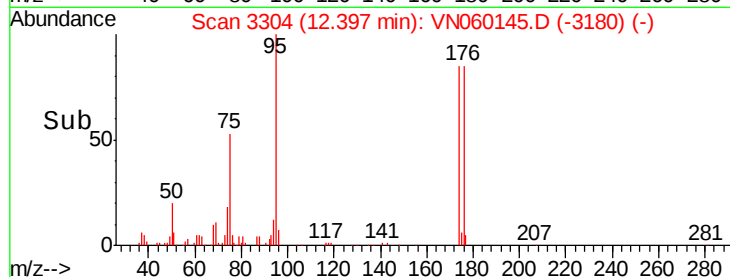
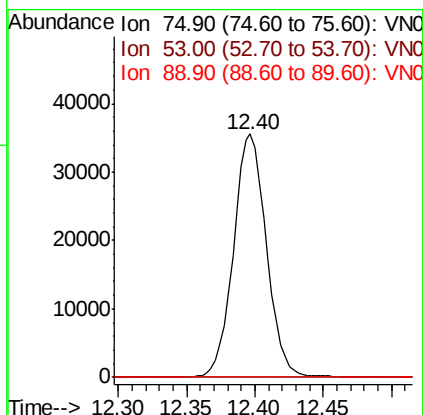
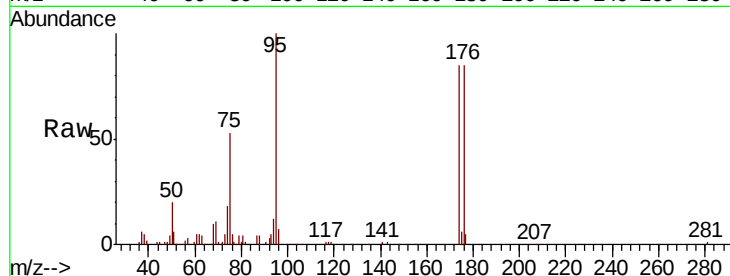




#81
trans-1,4-Dichloro-2-butene
Concen: 72.138 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.10 min
Lab File: VN060145.D
Acq: 19 Feb 2020 10:46

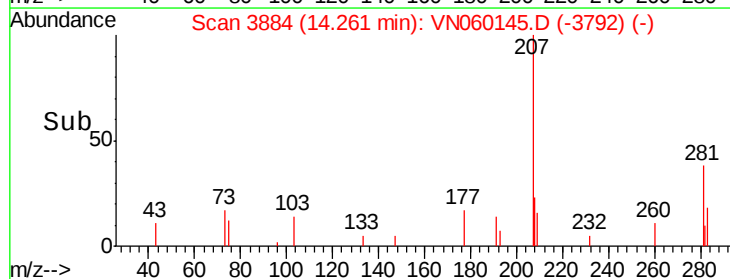
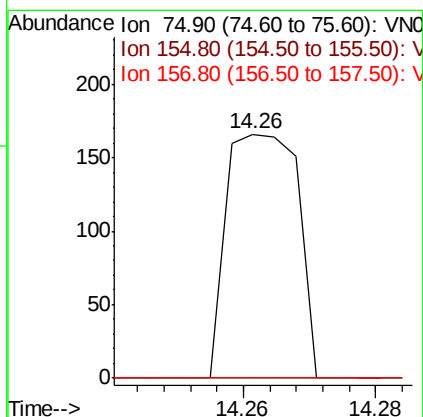
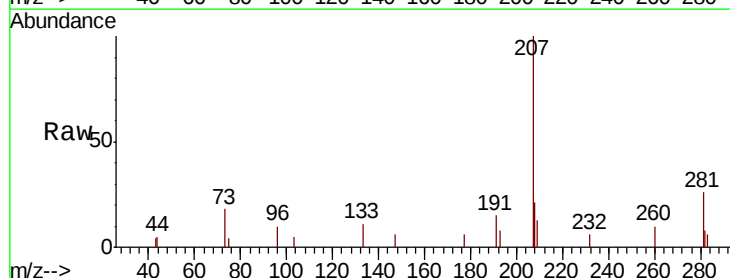
Instrument :
MSVOA_N
ClientSampleId :

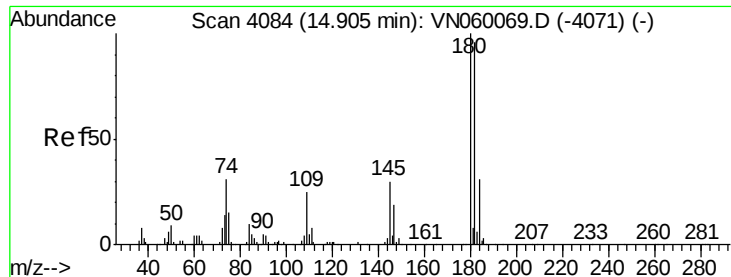
Tot Ion: 75 Resp: 59372
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: Below Cal
RT: 14.26 min Scan# 3884
Delta R.T. -0.00 min
Lab File: VN060145.D
Acq: 19 Feb 2020 10:46

Tgt Ion: 75 Resp: 124
Ion Ratio Lower Upper
75 100
155 0.0 43.0 129.0#
157 0.0 54.9 164.5#

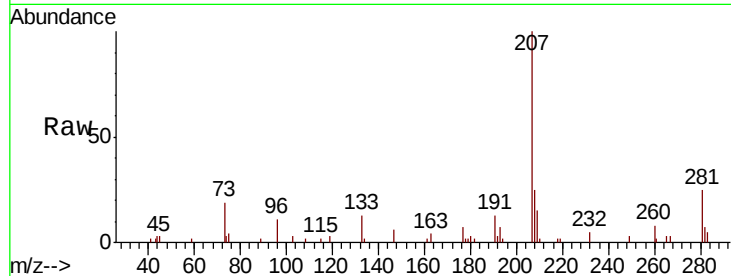




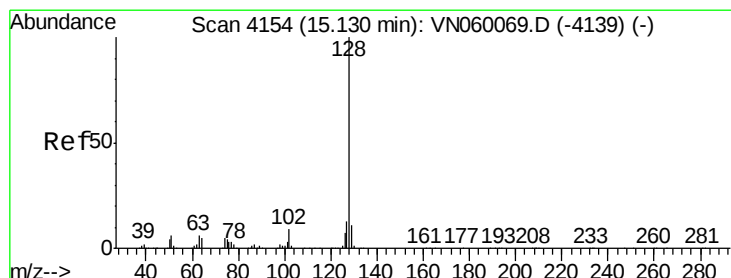
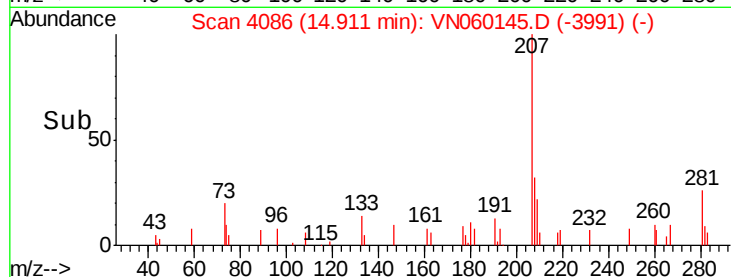
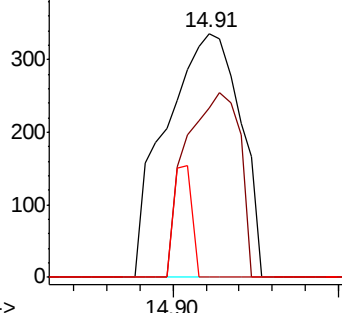
#93
 1,2,4-Trichlorobenzene
 Concen: 0.264 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.01 min
 Lab File: VN060145.D
 Acq: 19 Feb 2020 10:46

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 525
 Ion Ratio Lower Upper
 180 100
 182 54.7 47.9 143.8
 145 11.2 15.2 45.5#

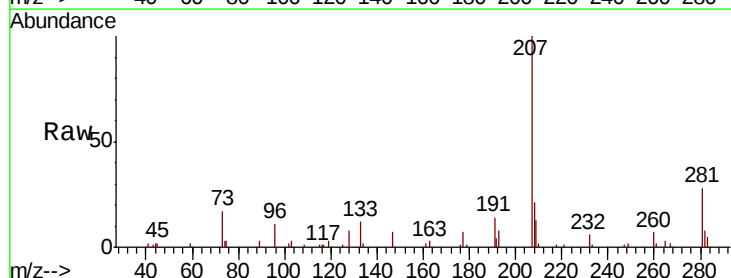


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

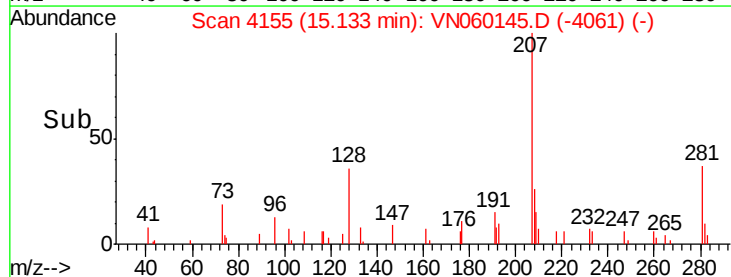
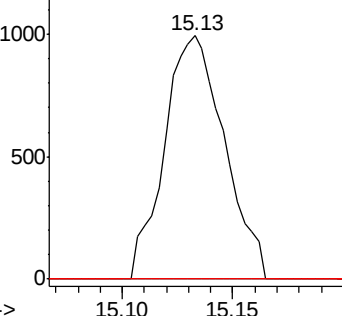


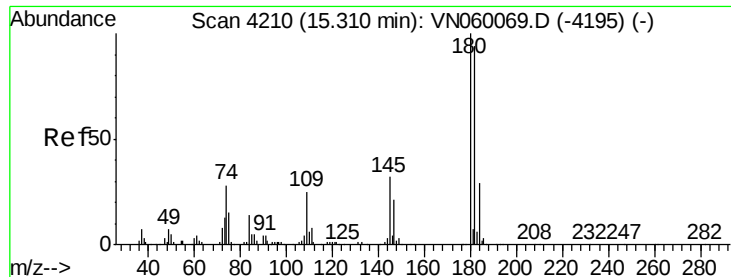
#95
 Naphthalene
 Concen: 0.350 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. 0.00 min
 Lab File: VN060145.D
 Acq: 19 Feb 2020 10:46

Tgt Ion:128 Resp: 1880
 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

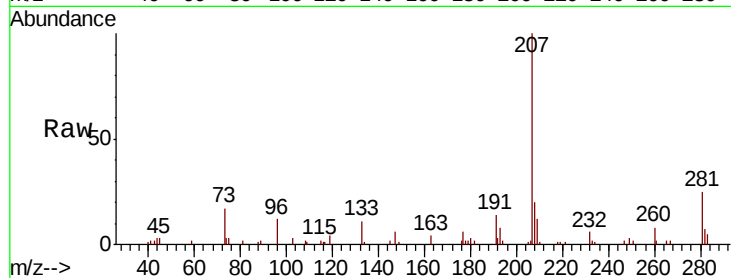




#96
 1,2,3-Trichlorobenzene
 Concen: 0.297 ug/l
 RT: 15.31 min Scan# 4210
 Delta R.T. -0.00 min
 Lab File: VN060145.D
 Acq: 19 Feb 2020 10:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	86.1	47.5	142.5
145	31.6	16.1	48.3



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

