

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
 Data File : VN057024.D
 Acq On : 1 Aug 2019 9:40
 Operator : JC/SP
 Sample : VN0801WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL01

Quant Time: Aug 02 05:07:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jul 24 04:19:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	74042	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	387101	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.40	117	290307	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	145060	29.94	ug/l	-0.01
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.80%
60) 4-Bromofluorobenzene	12.40	95	84127	19.33	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	64.43%
63) Toluene-d8	10.08	98	449915	32.81	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.37%

Target Compounds

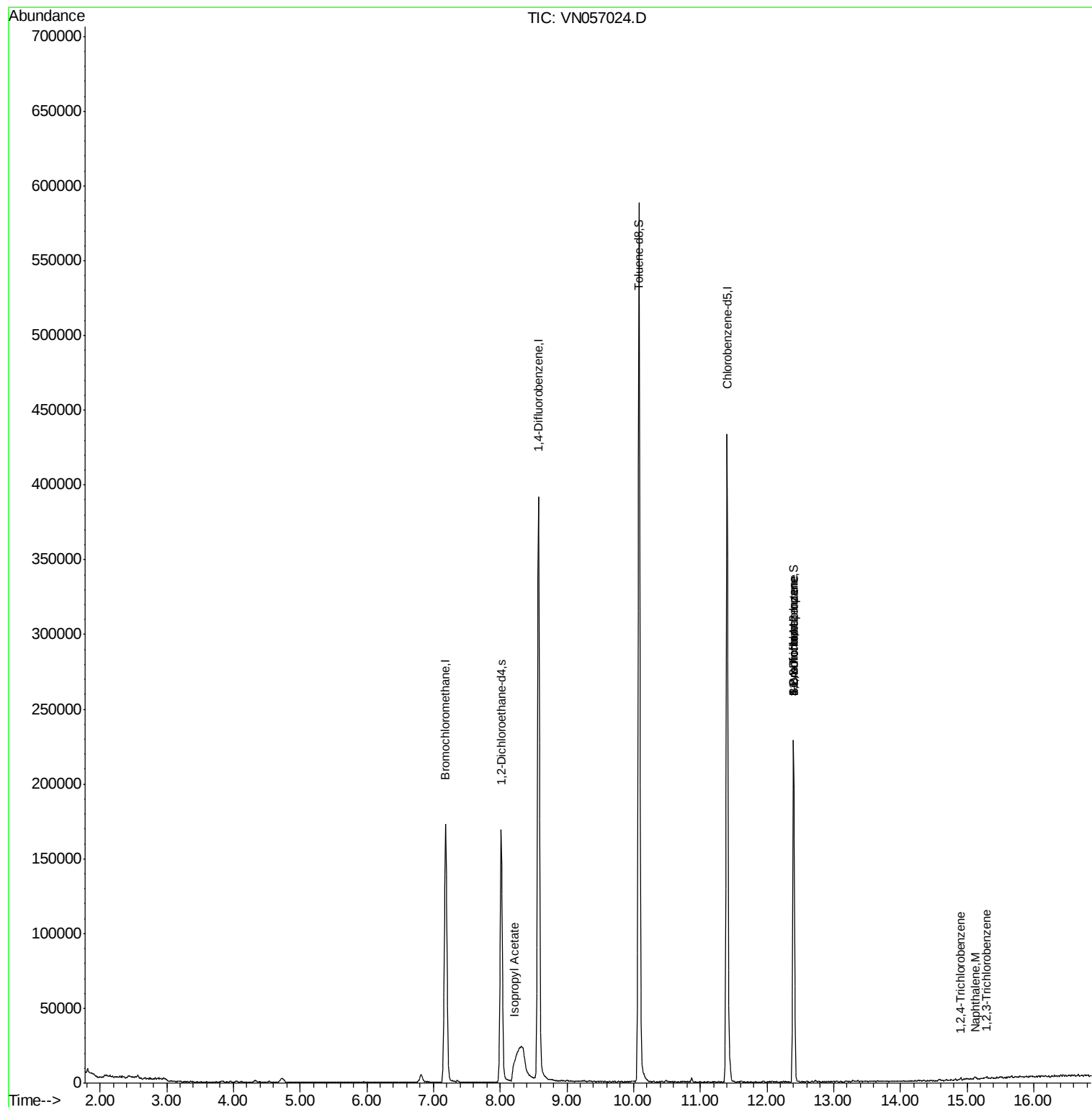
					Ovalue	
44) Isopropyl Acetate	8.20	43	6492	0.861	ug/l	# 51
56) Bromoform	12.40	173	622	0.213	ug/l	# 1
72) 1,2,3-Trichloropropane	12.40	75	39841	10.066	ug/l	# 1
77) t-1,4-Dichloro-2-butene	12.40	75	39841	32.059	ug/l	# 11
89) 1,2,4-Trichlorobenzene	14.91	180	506	8.119	ug/l	# 86
91) Naphthalene	15.12	128	1360	7.810	ug/l	# 69
92) 1,2,3-Trichlorobenzene	15.29	180	819	0.239	ug/l	# 79

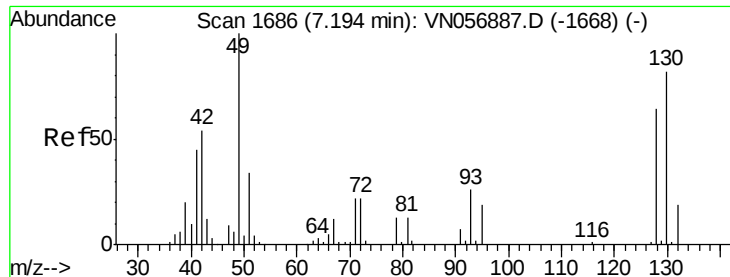
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080119\
Data File : VN057024.D
Acq On : 1 Aug 2019 9:40
Operator : JC/SP
Sample : VN0801WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0801WBL01

Quant Time: Aug 02 05:07:00 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072419W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Jul 24 04:19:57 2019
Response via : Initial Calibration

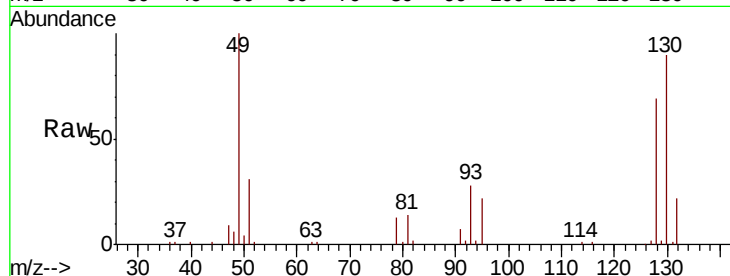




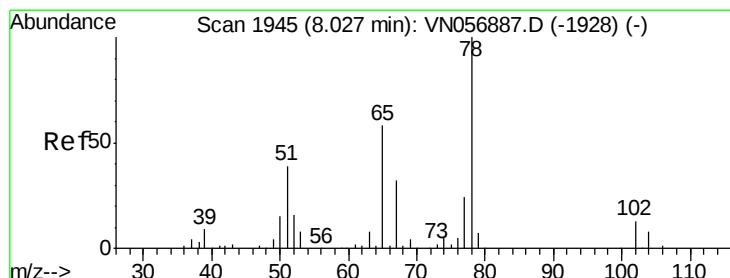
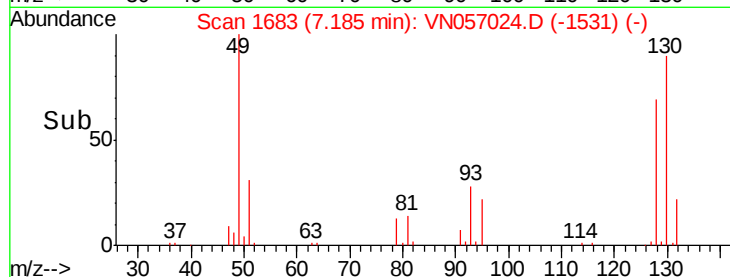
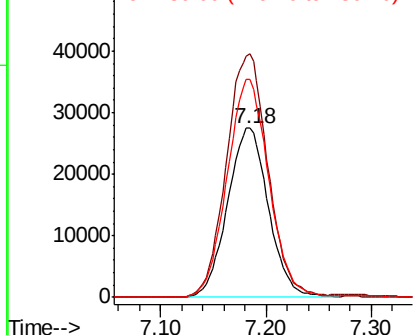
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. -0.01 min
 Lab File: VN057024.D
 Acq: 1 Aug 2019 9:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN0801WBL01

Tot Ion:128 Resp: 74042
 Ion Ratio Lower Upper
 128 100
 49 146.1 0.0 385.8
 130 131.4 0.0 322.5

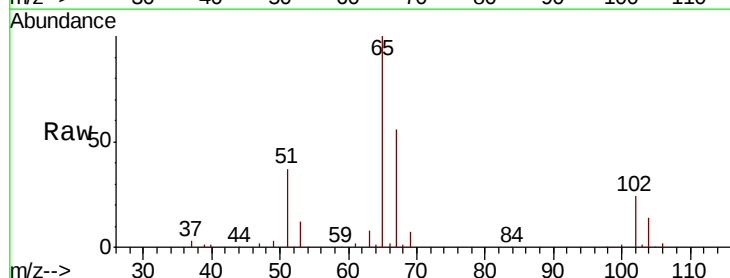


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

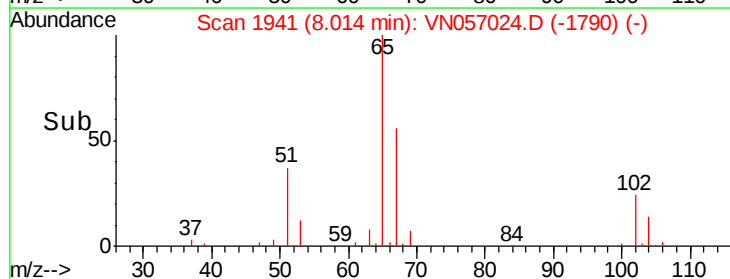
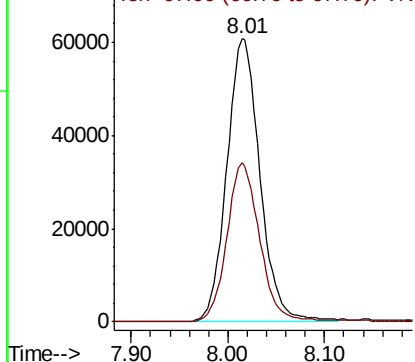


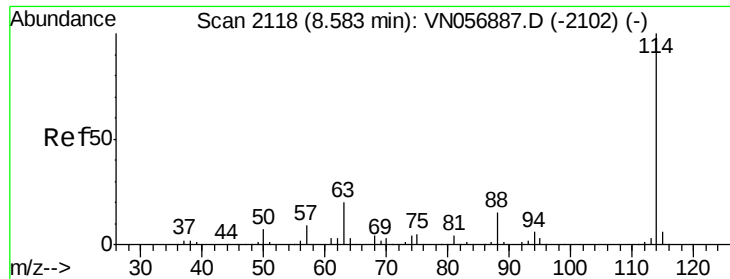
#27
 1,2-Dichloroethane-d4
 Concen: 29.936 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. -0.01 min
 Lab File: VN057024.D
 Acq: 1 Aug 2019 9:40

Tgt Ion: 65 Resp: 145060
 Ion Ratio Lower Upper
 65 100
 67 54.7 44.6 66.8



Abundance Ion 65.00 (64.70 to 65.70): VN
 Ion 67.00 (66.70 to 67.70): VN

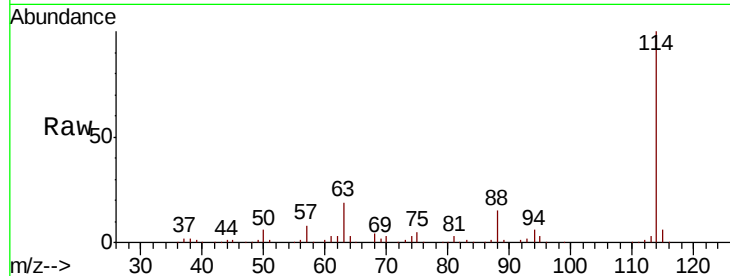




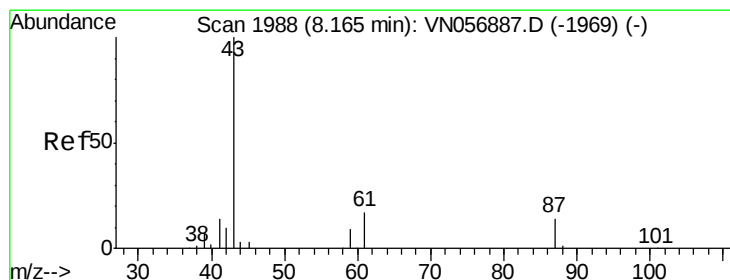
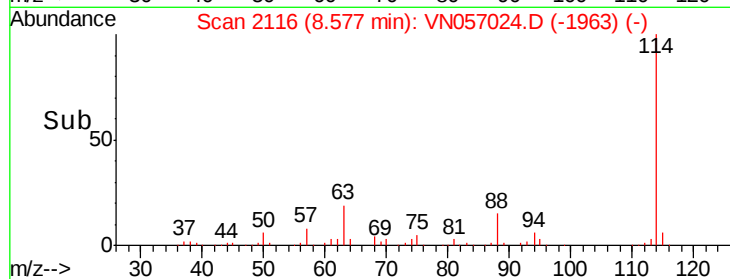
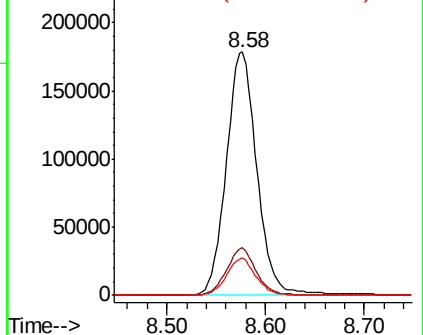
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.01 min
 Lab File: VN057024.D
 Acq: 1 Aug 2019 9:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL01

Tot Ion:114 Resp: 387101
 Ion Ratio Lower Upper
 114 100
 63 18.8 15.8 23.6
 88 14.6 12.5 18.7

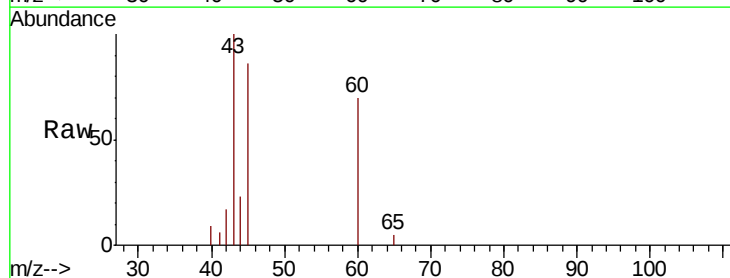


Abundance Ion 114.00 (113.70 to 114.70): VN056887.D (-2102) (-)
 Ion 63.00 (62.70 to 63.70): VN056887.D (-2102) (-)
 Ion 88.00 (87.70 to 88.70): VN056887.D (-2102) (-)

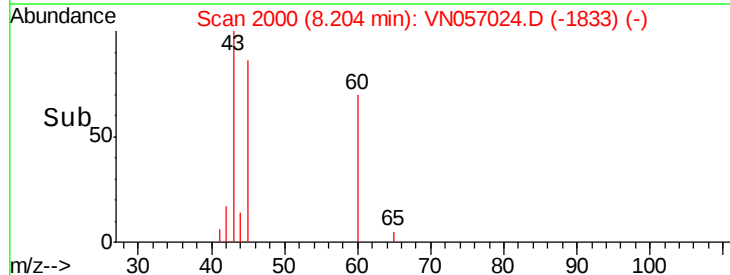
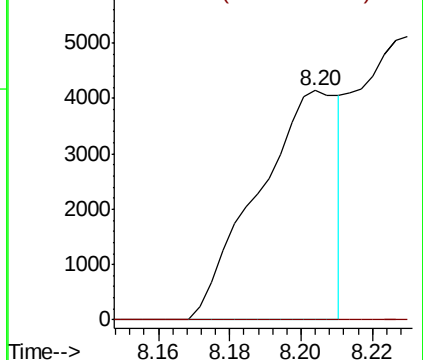


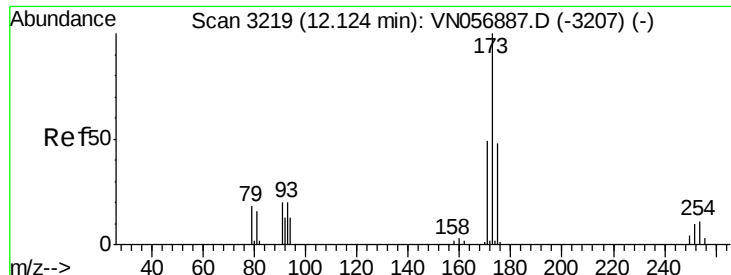
#44
 Isopropyl Acetate
 Concen: 0.861 ug/l
 RT: 8.20 min Scan# 2000
 Delta R.T. 0.04 min
 Lab File: VN057024.D
 Acq: 1 Aug 2019 9:40

Tgt Ion: 43 Resp: 6492
 Ion Ratio Lower Upper
 43 100
 61 2.5 23.0 34.4#



Abundance Ion 43.00 (42.70 to 43.70): VN056887.D (-1969) (-)
 Ion 61.00 (60.70 to 61.70): VN056887.D (-1969) (-)





#56

Bromoform

Concen: 0.213 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.27 min

Lab File: VN057024.D

Acq: 1 Aug 2019 9:40

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBL01

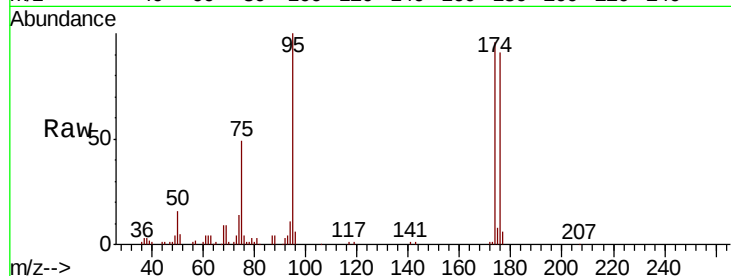
Tot Ion:173 Resp: 622

Ion Ratio Lower Upper

173 100

175 980.4 38.8 58.2#

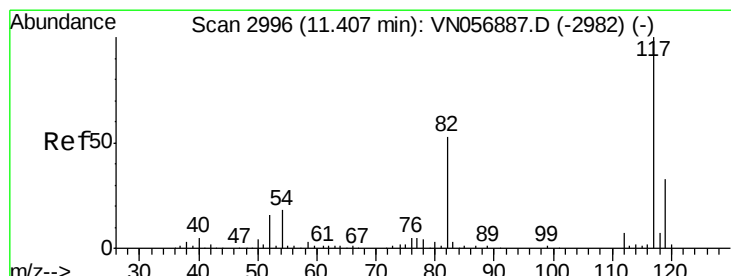
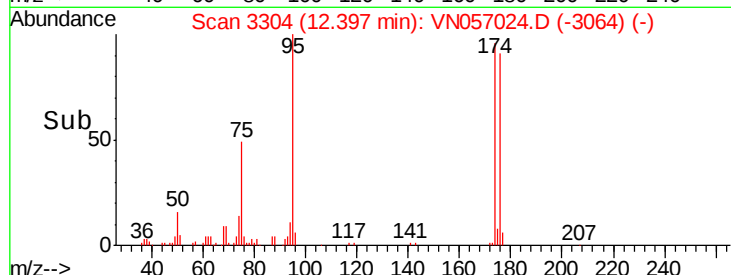
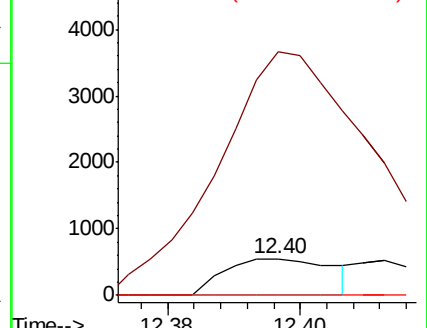
254 0.0 8.1 12.1#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN057024.D

Acq: 1 Aug 2019 9:40

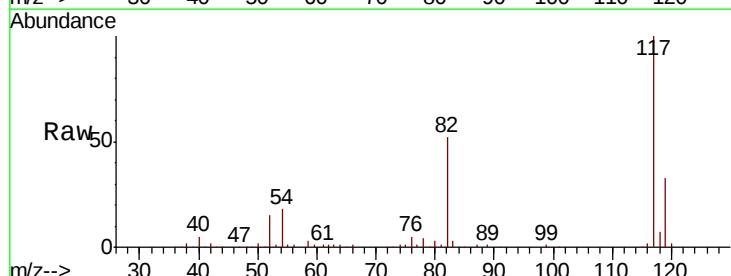
Tgt Ion:117 Resp: 290307

Ion Ratio Lower Upper

117 100

82 51.9 43.0 64.4

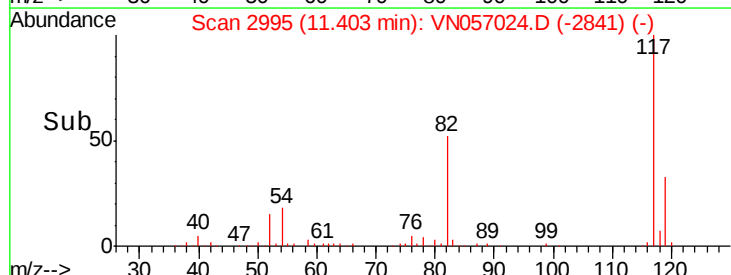
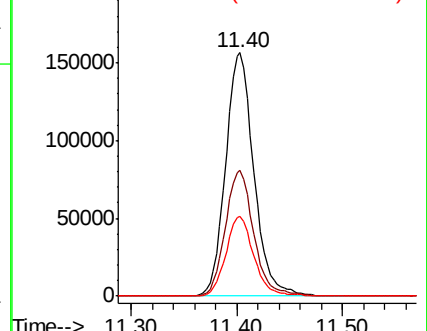
119 32.3 26.2 39.2

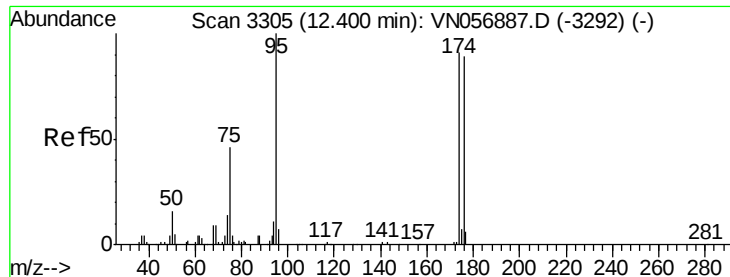


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V





#60

4-Bromofluorobenzene

Concen: 19.335 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN057024.D

Acq: 1 Aug 2019 9:40

Instrument :

MSVOA_N

ClientSampleId :

VN0801WBL01

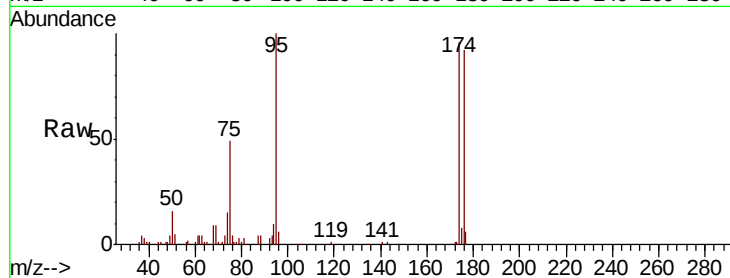
Tot Ion: 95 Resp: 84127

Ion Ratio Lower Upper

95 100

174 95.5 71.9 107.9

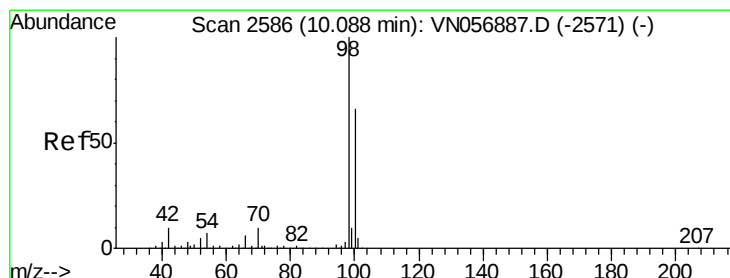
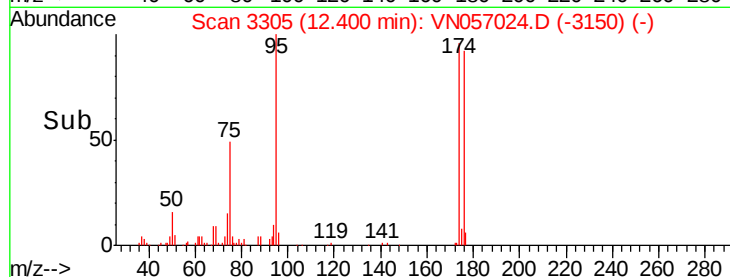
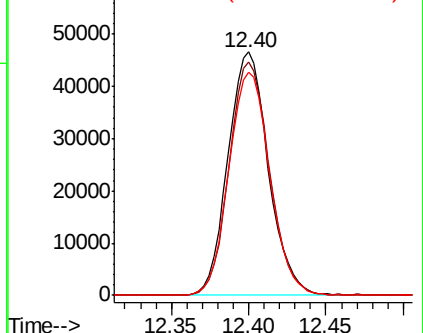
176 93.0 69.8 104.8



Abundance Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): VN

Ion 176.00 (175.70 to 176.70): VN



#63

Toluene-d8

Concen: 32.808 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.01 min

Lab File: VN057024.D

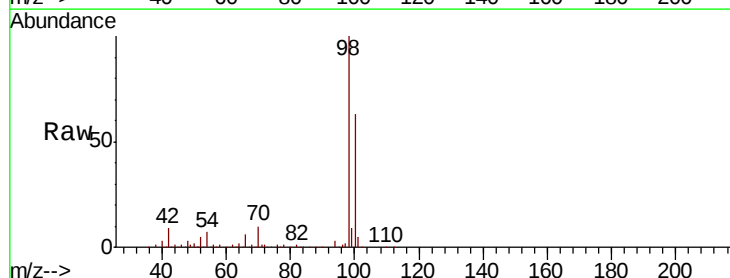
Acq: 1 Aug 2019 9:40

Tgt Ion: 98 Resp: 449915

Ion Ratio Lower Upper

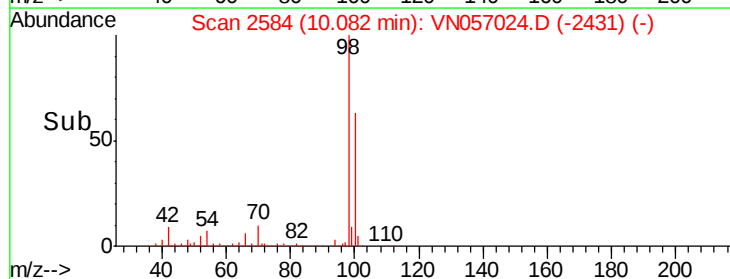
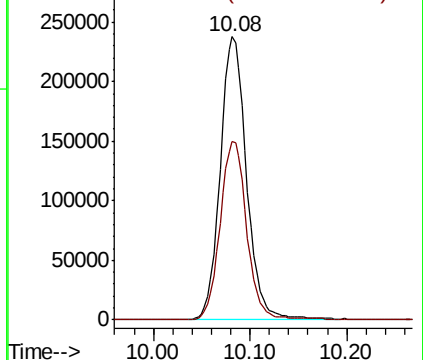
98 100

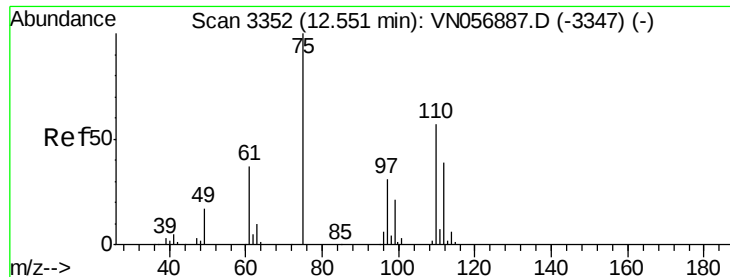
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#72

1,2,3-Trichloropropane

Concen: 10.066 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN057024.D

Acq: 1 Aug 2019 9:40

Instrument :

MSVOA_N

ClientSampled :

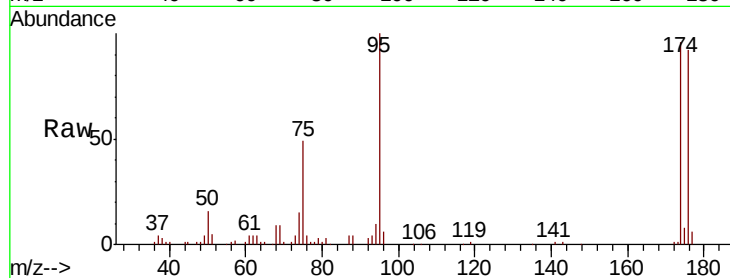
VN0801WBL01

Tot Ion: 75 Resp: 39841

Ion Ratio Lower Upper

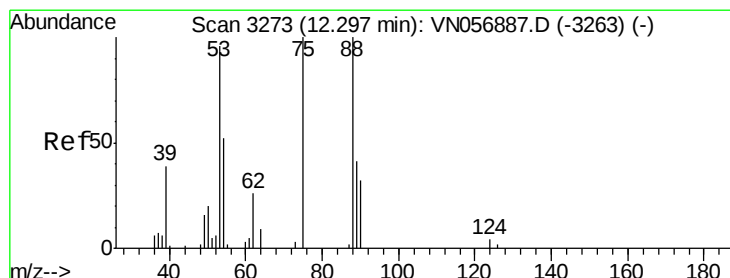
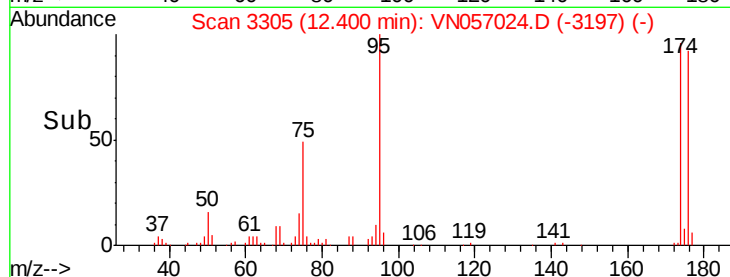
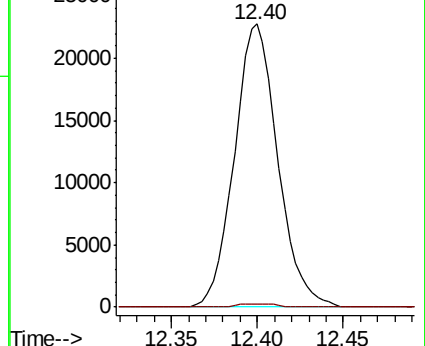
75 100

77 1.0 0.0 378.6



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

t-1,4-Dichloro-2-butene

Concen: 32.059 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN057024.D

Acq: 1 Aug 2019 9:40

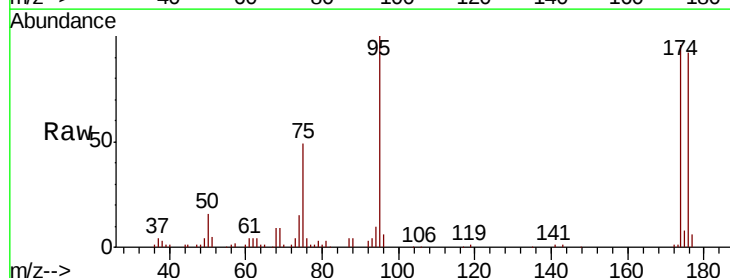
Tgt Ion: 75 Resp: 39841

Ion Ratio Lower Upper

75 100

53 0.0 48.0 144.0#

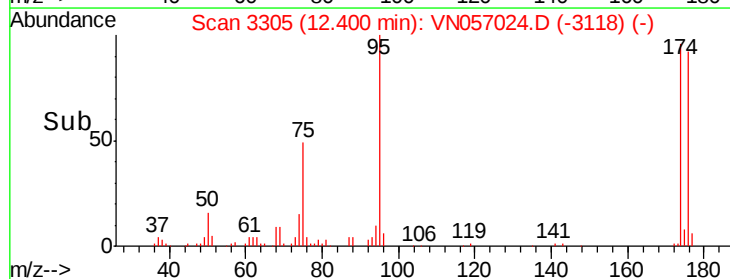
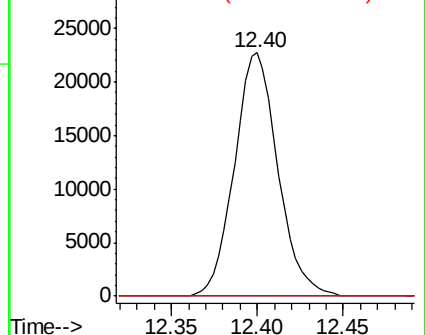
89 0.0 21.4 64.3#

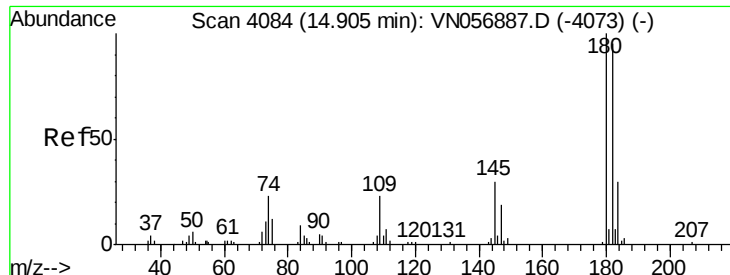


Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

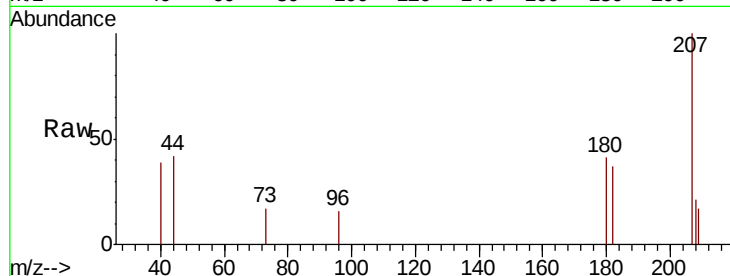




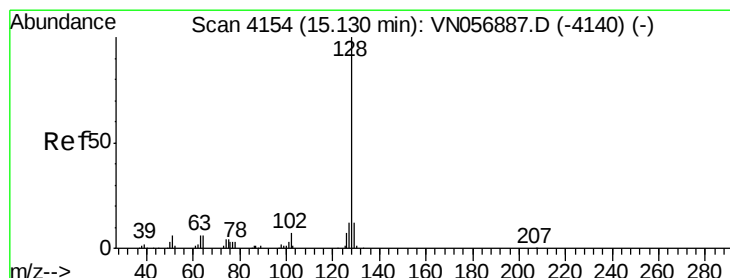
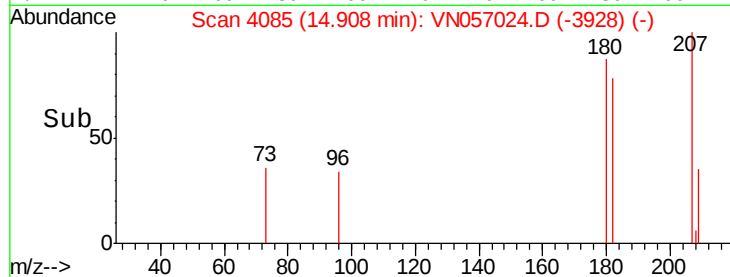
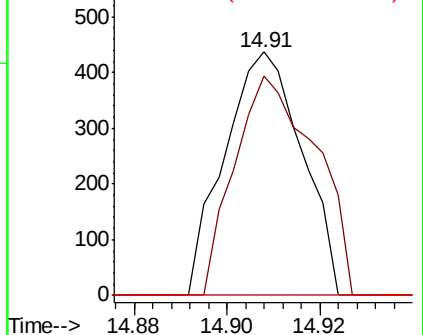
#89
 1,2,4-Trichlorobenzene
 Concen: 8.119 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN057024.D
 Acq: 1 Aug 2019 9:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL01

Tot Ion:180 Resp: 506
 Ion Ratio Lower Upper
 180 100
 182 94.3 77.0 115.4
 145 0.0 23.5 35.3#

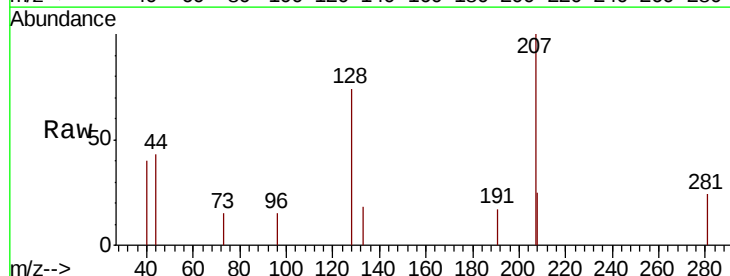


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

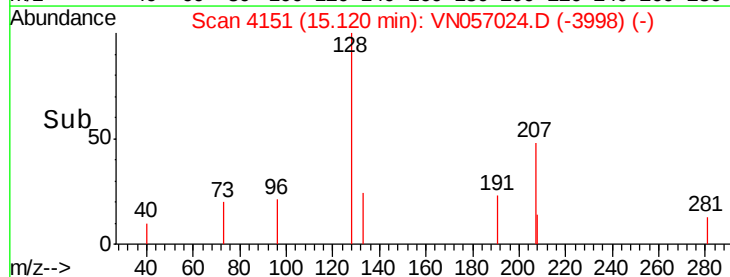
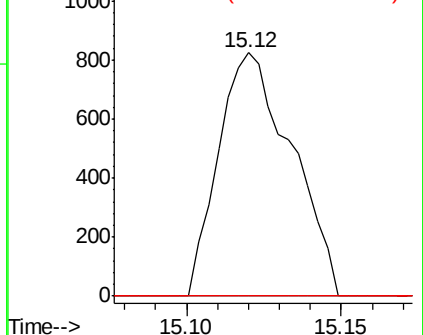


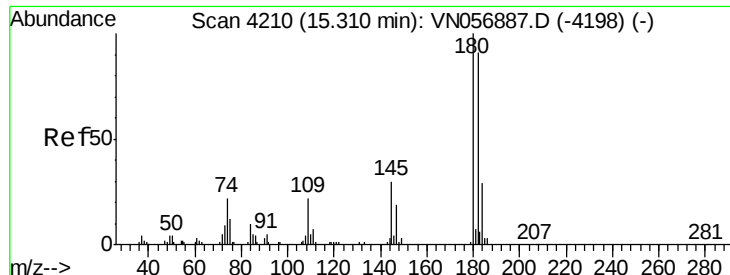
#91
 Naphthalene
 Concen: 7.810 ug/l
 RT: 15.12 min Scan# 4151
 Delta R.T. -0.01 min
 Lab File: VN057024.D
 Acq: 1 Aug 2019 9:40

Tgt Ion:128 Resp: 1360
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.0 15.0#
 129 0.0 8.9 13.3#



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

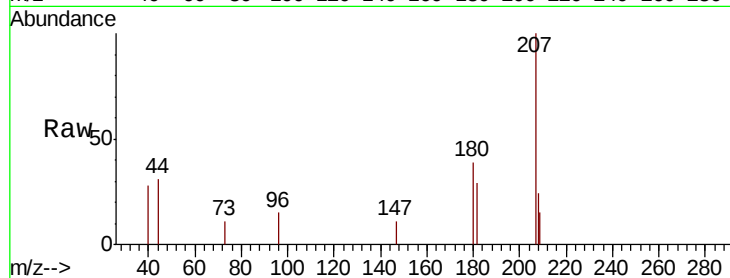




#92
 1,2,3-Trichlorobenzene
 Concen: 0.239 ug/l
 RT: 15.29 min Scan# 4204
 Delta R.T. -0.02 min
 Lab File: VN057024.D
 Acq: 1 Aug 2019 9:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0801WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	80.2	0.0	188.0
145	8.1	0.0	61.0



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

