

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
 Data File : VN057582.D
 Acq On : 30 Aug 2019 12:11
 Operator : JC/SP
 Sample : VN0830WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL01

Quant Time: Aug 31 00:05:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Aug 31 00:00:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	85937	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	480956	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	370862	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.02	65	200301	30.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.83%
60) 4-Bromofluorobenzene	12.40	95	124618	22.10	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	73.67%
63) Toluene-d8	10.09	98	561822	32.71	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	109.03%

Target Compounds

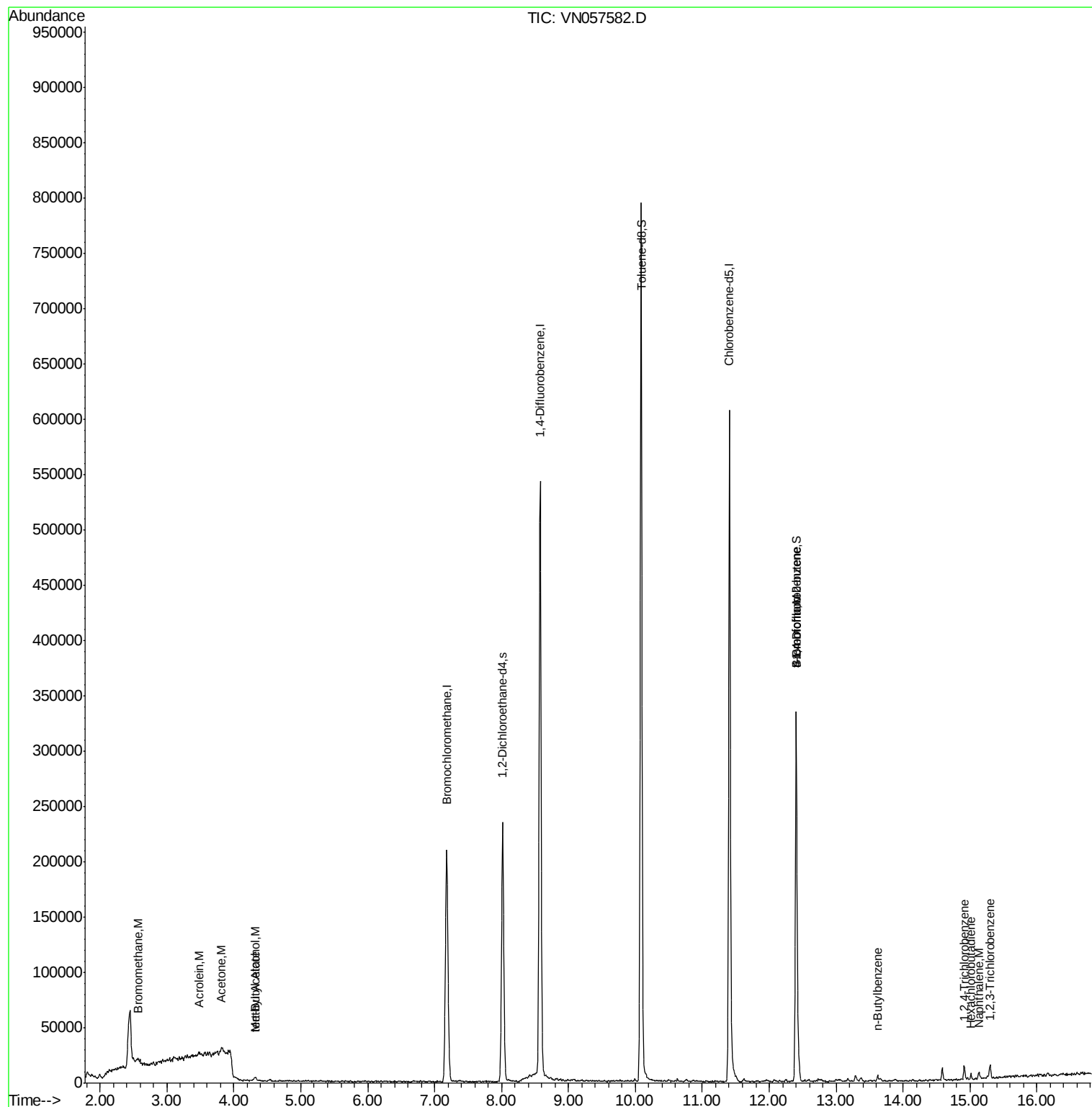
					Qvalue	
5) Bromomethane	2.57	94	4265	0.740	ug/l	93
12) Methyl Acetate	4.31	43	1691	0.411	ug/l	93
13) Acrolein	3.47	56	337	0.643	ug/l	95
15) Acetone	3.82	58	367	0.421	ug/l #	43
23) tert-Butyl Alcohol	4.33	59	179	0.299	ug/l #	100
56) Bromoform	12.41	173	792	0.205	ug/l #	1
77) t-1,4-Dichloro-2-butene	12.40	75	67247	46.125	ug/l #	8
85) n-Butylbenzene	13.62	91	3481	0.263	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	3767	1.262	ug/l #	92
90) Hexachlorobutadiene	15.02	225	624	0.243	ug/l	66
91) Naphthalene	15.13	128	2133	0.257	ug/l #	91
92) 1,2,3-Trichlorobenzene	15.30	180	3793	1.283	ug/l	92

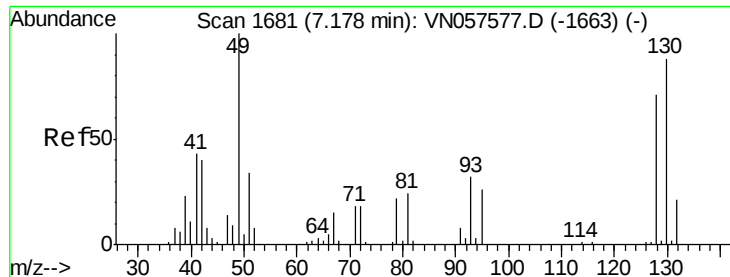
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN083019\
Data File : VN057582.D
Acq On : 30 Aug 2019 12:11
Operator : JC/SP
Sample : VN0830WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

Quant Time: Aug 31 00:05:32 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\624N083019W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Aug 31 00:00:09 2019
Response via : Initial Calibration

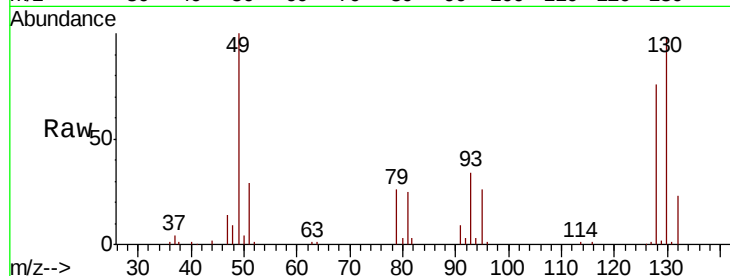




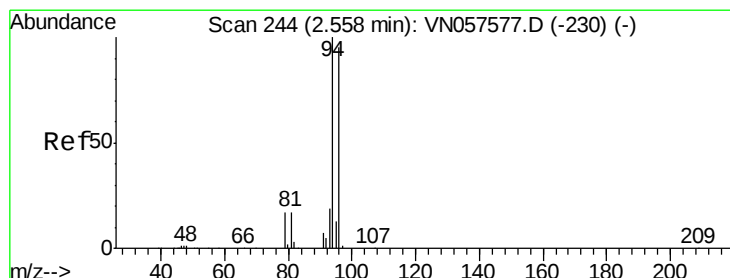
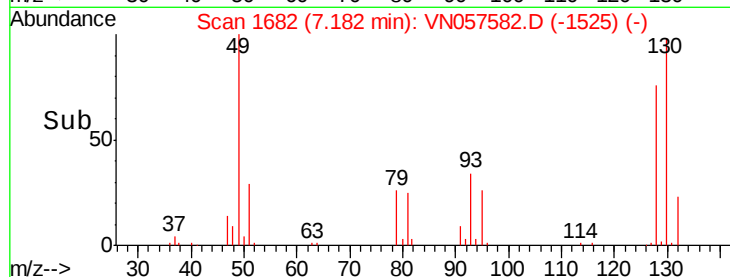
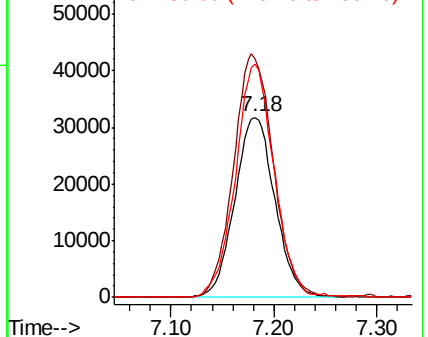
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.18 min Scan# 1682
 Delta R.T. 0.00 min
 Lab File: VN057582.D
 Acq: 30 Aug 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL01

Tgt Ion:128 Resp: 85937
 Ion Ratio Lower Upper
 128 100
 49 134.5 0.0 352.3
 130 125.1 0.0 324.7

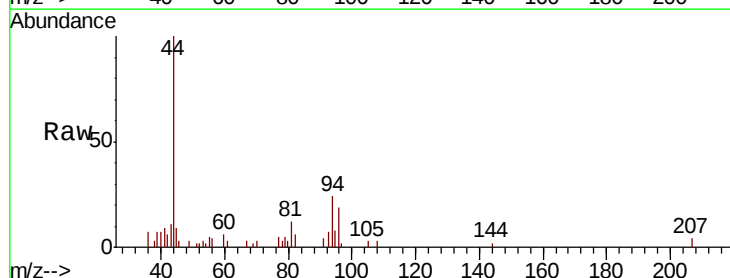


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VN
 Ion 130.00 (129.70 to 130.70): V

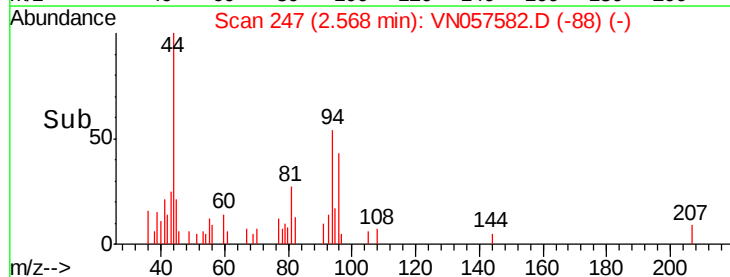
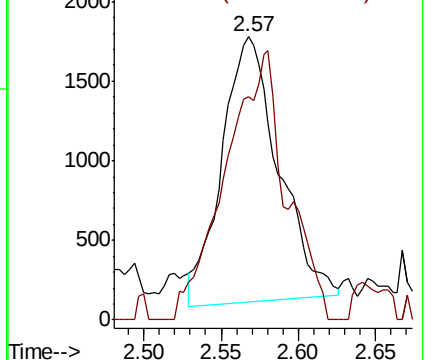


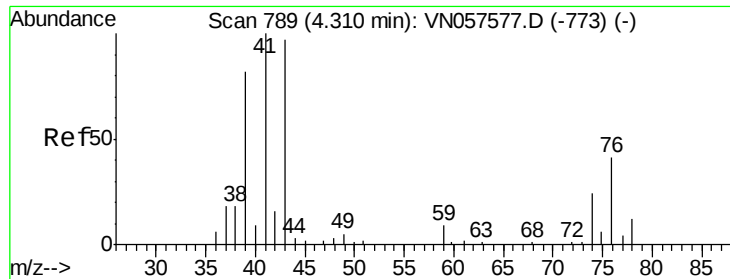
#5
 Bromomethane
 Concen: 0.740 ug/l
 RT: 2.57 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VN057582.D
 Acq: 30 Aug 2019 12:11

Tgt Ion: 94 Resp: 4265
 Ion Ratio Lower Upper
 94 100
 96 88.6 76.2 114.4



Abundance Ion 94.00 (93.70 to 94.70): VN
 Ion 96.00 (95.70 to 96.70): VN





#12

Methyl Acetate

Concen: 0.411 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057582.D

Acq: 30 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

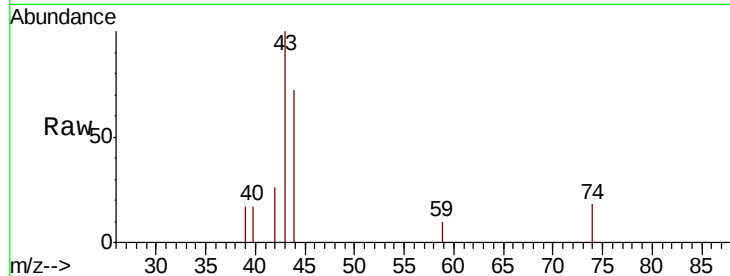
VN0830WBL01

Tgt Ion: 43 Resp: 1691

Ion Ratio Lower Upper

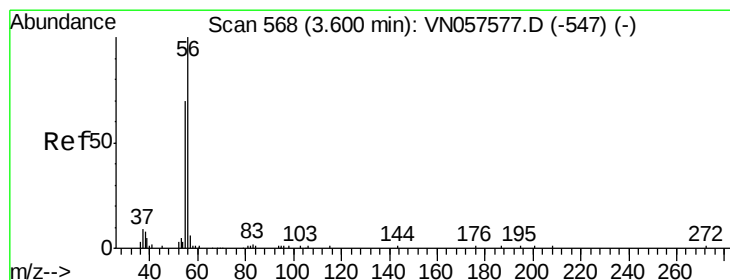
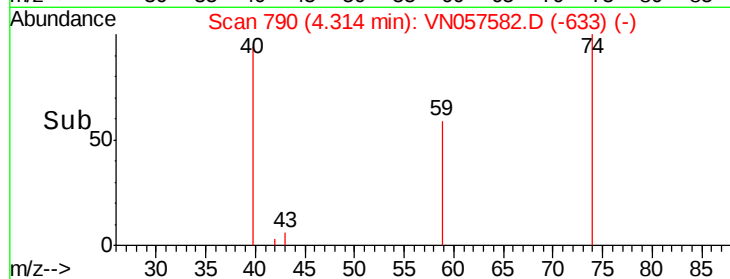
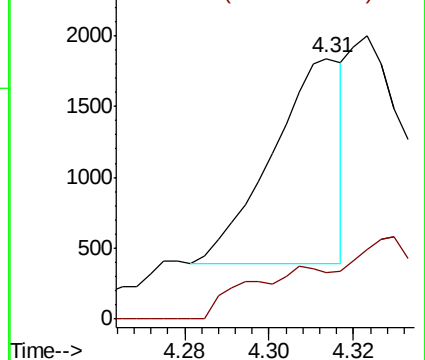
43 100

74 21.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VN057577.D (-773) (-)

Ion 74.00 (73.70 to 74.70): VN057577.D (-773) (-)



#13

Acrolein

Concen: 0.643 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.13 min

Lab File: VN057582.D

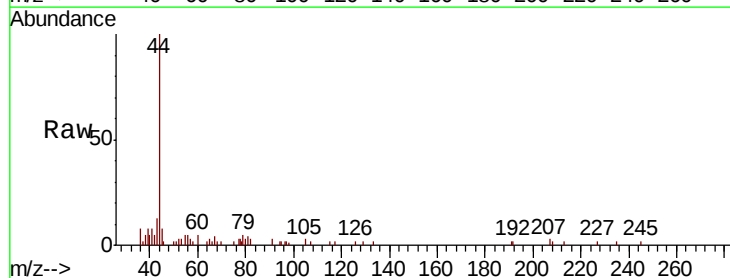
Acq: 30 Aug 2019 12:11

Tgt Ion: 56 Resp: 337

Ion Ratio Lower Upper

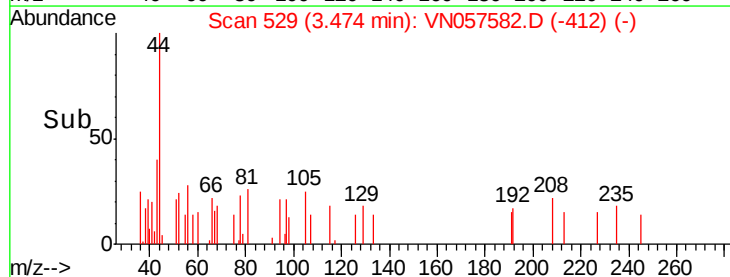
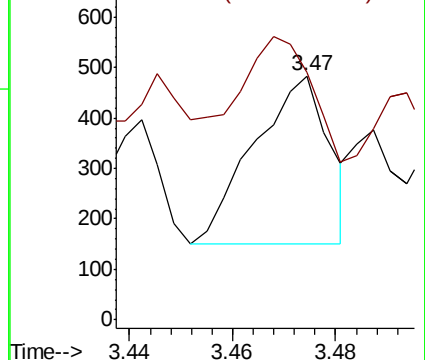
56 100

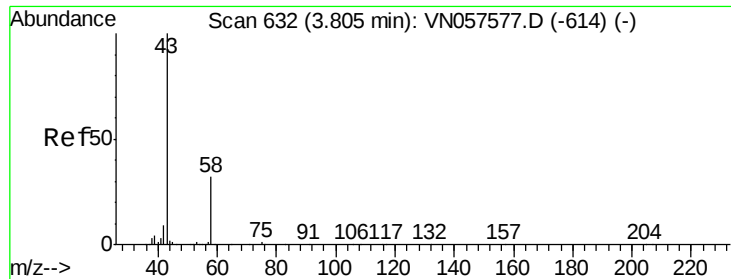
55 72.1 54.5 81.7



Abundance Ion 56.00 (55.70 to 56.70): VN057577.D (-547) (-)

Ion 55.00 (54.70 to 55.70): VN057577.D (-547) (-)





#15

Acetone

Concen: 0.421 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN057582.D

Acq: 30 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

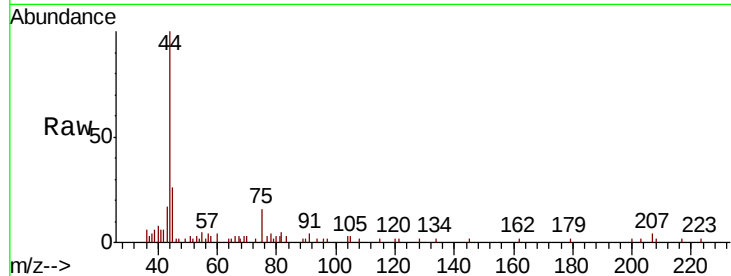
VN0830WBL01

Tgt Ion: 58 Resp: 367

Ion Ratio Lower Upper

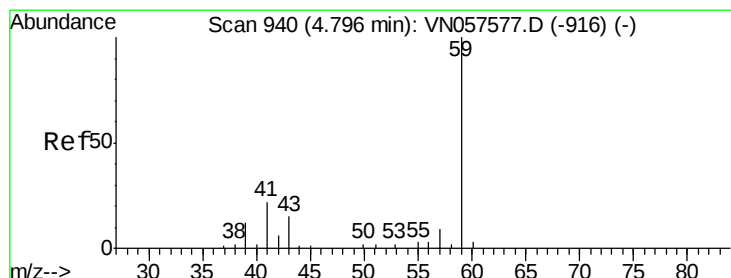
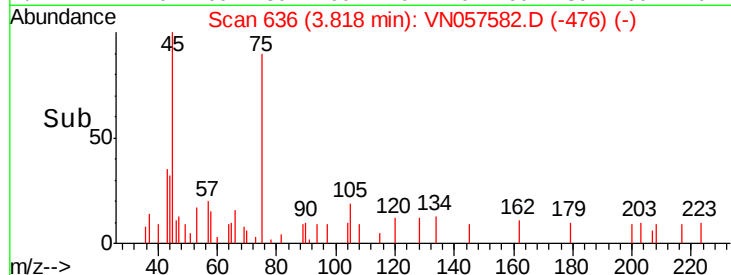
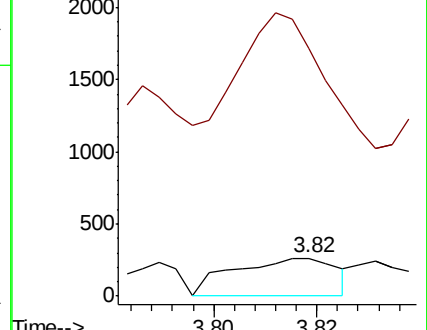
58 100

43 199.6 252.8 379.2#



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#23

tert-Butyl Alcohol

Concen: 0.299 ug/l

RT: 4.33 min Scan# 796

Delta R.T. -0.46 min

Lab File: VN057582.D

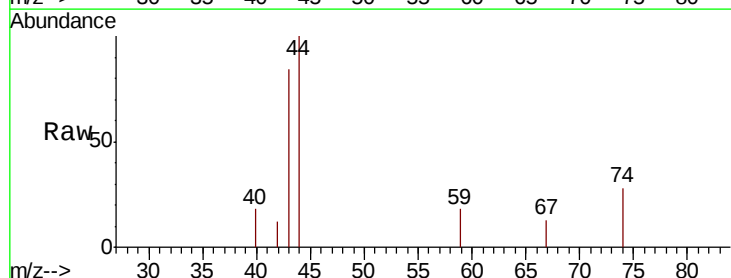
Acq: 30 Aug 2019 12:11

Tgt Ion: 59 Resp: 179

Ion Ratio Lower Upper

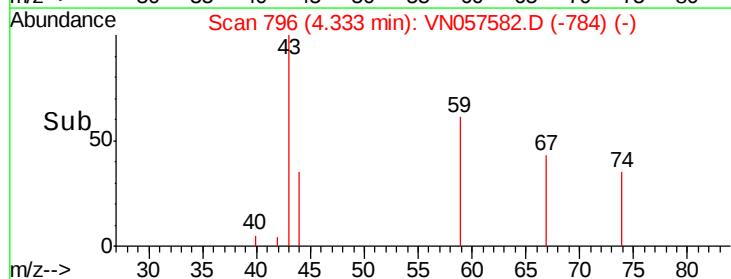
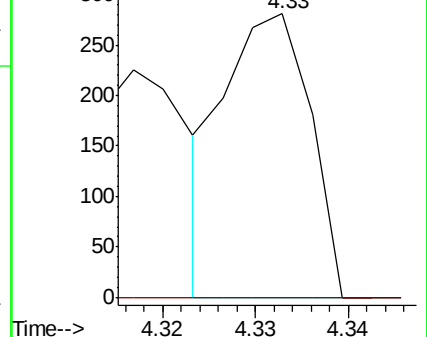
59 100

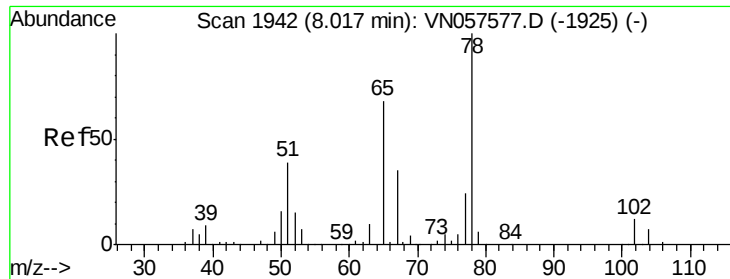
52 0.0 0.1 0.1#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

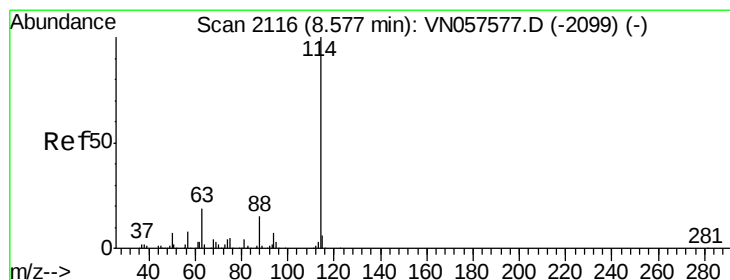
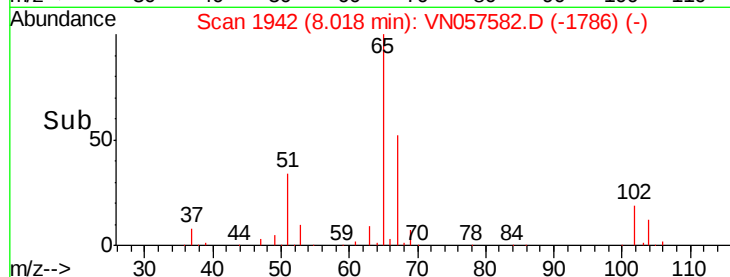
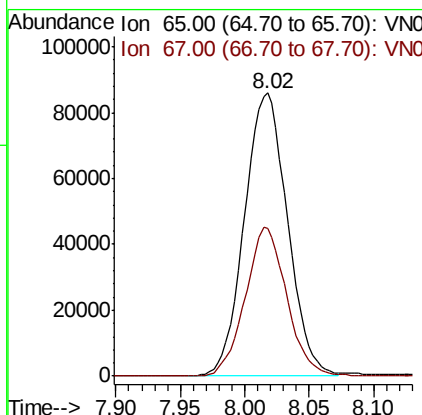
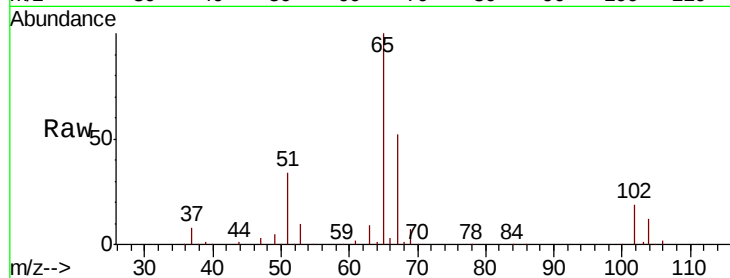




#27
 1,2-Dichloroethane-d4
 Concen: 30.249 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057582.D
 Acq: 30 Aug 2019 12:11

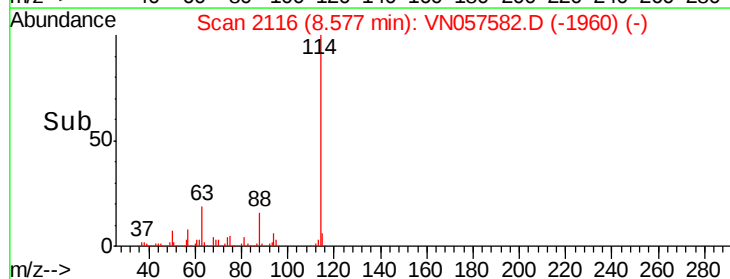
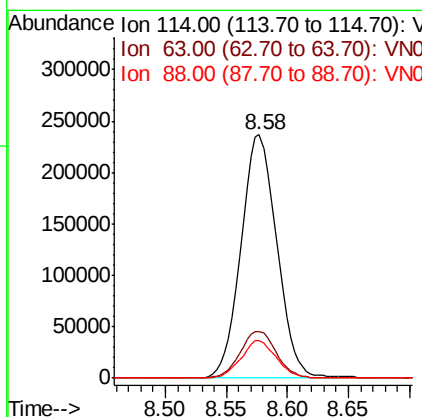
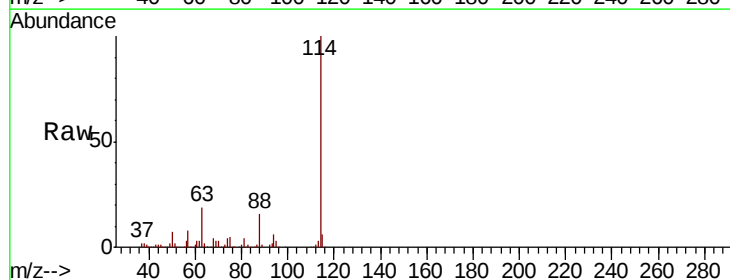
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL01

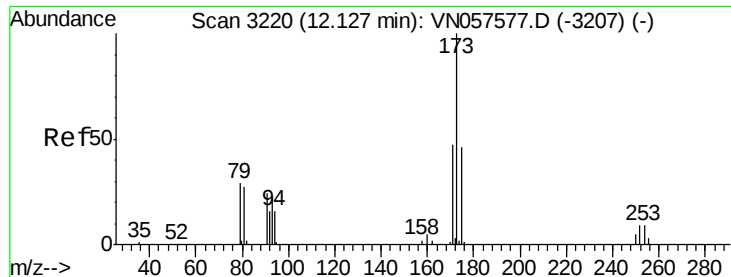
Tgt Ion: 65 Resp: 200301
 Ion Ratio Lower Upper
 65 100
 67 50.3 39.8 59.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057582.D
 Acq: 30 Aug 2019 12:11

Tgt Ion: 114 Resp: 480956
 Ion Ratio Lower Upper
 114 100
 63 19.4 15.4 23.0
 88 15.2 11.8 17.8





#56

Bromoform

Concen: 0.205 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN057582.D

Acq: 30 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBL01

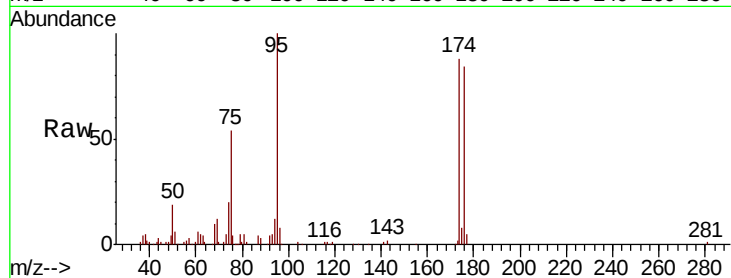
Tgt Ion:173 Resp: 792

Ion Ratio Lower Upper

173 100

175 1041.0 37.3 55.9#

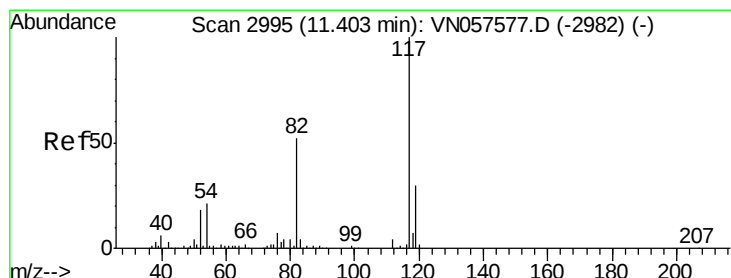
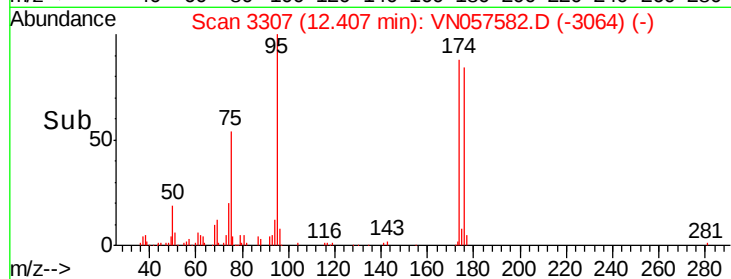
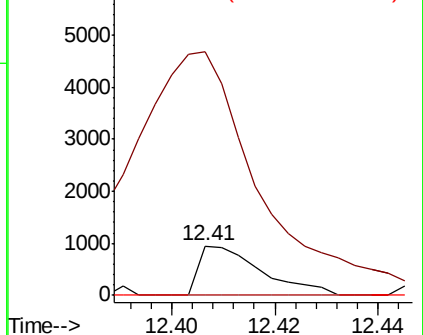
254 0.0 2.2 3.2#



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: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN057582.D

Acq: 30 Aug 2019 12:11

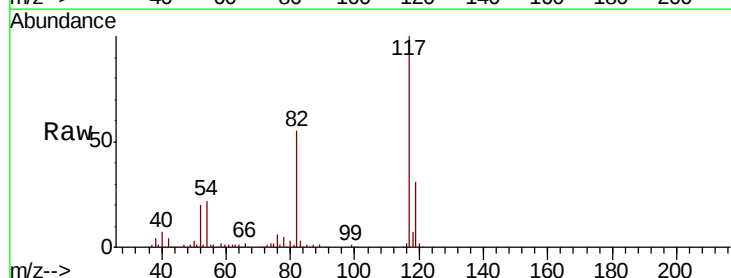
Tgt Ion:117 Resp: 370862

Ion Ratio Lower Upper

117 100

82 54.3 42.6 63.8

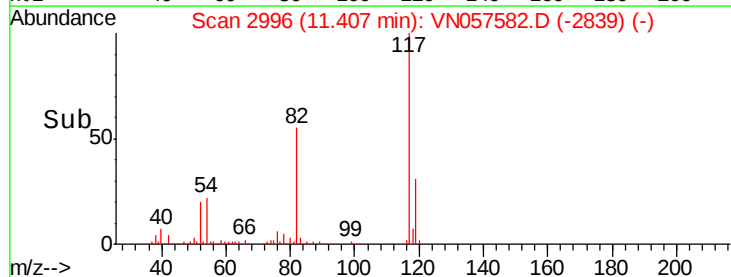
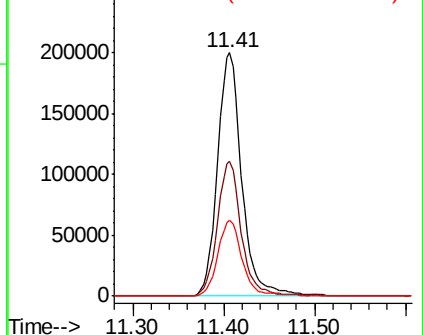
119 31.0 25.0 37.6

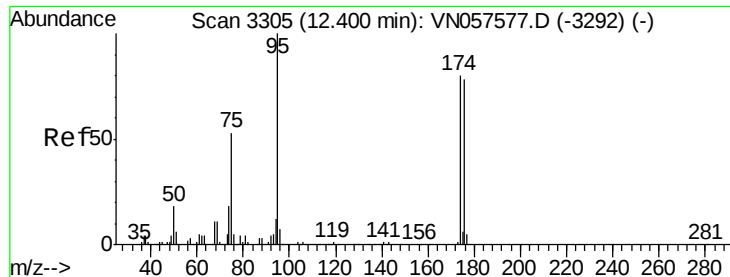


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

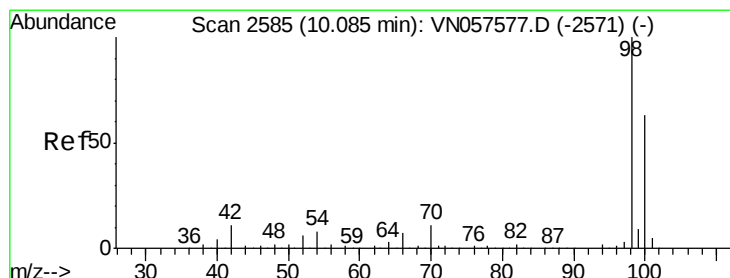
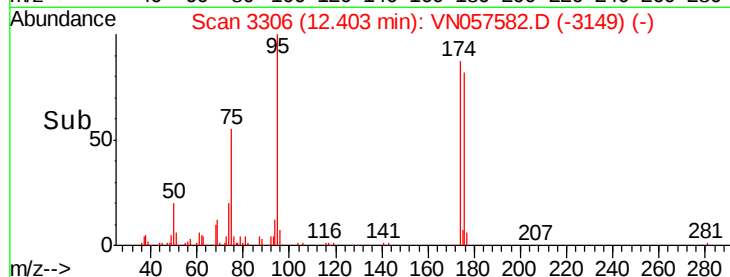
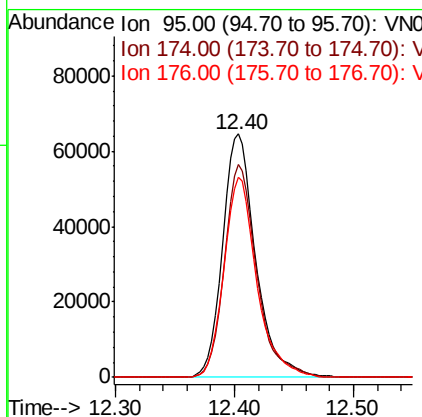
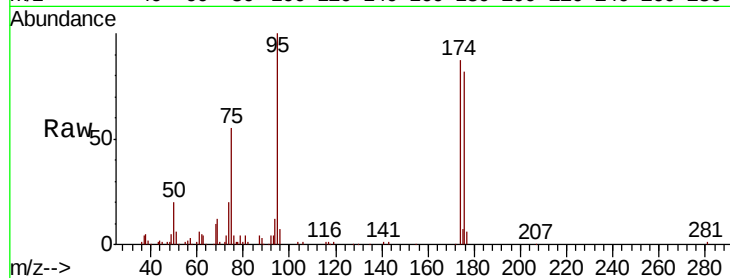




#60
4-Bromofluorobenzene
Concen: 22.103 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN057582.D
Acq: 30 Aug 2019 12:11

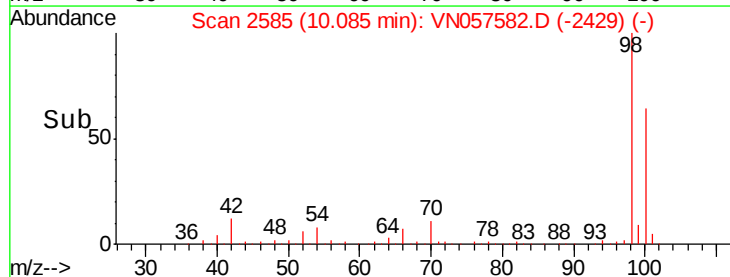
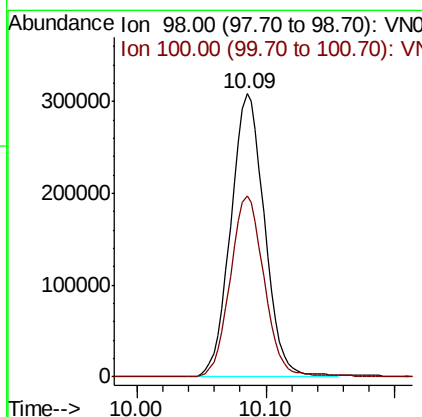
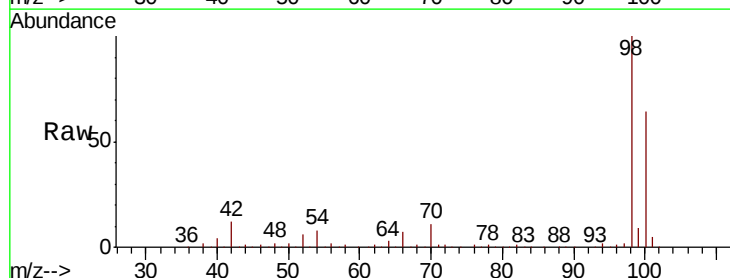
Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

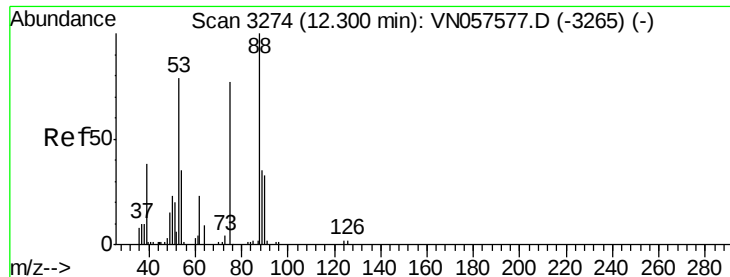
Tgt Ion: 95 Resp: 124618
Ion Ratio Lower Upper
95 100
174 85.0 66.2 99.2
176 81.1 65.0 97.6



#63
Toluene-d8
Concen: 32.712 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN057582.D
Acq: 30 Aug 2019 12:11

Tgt Ion: 98 Resp: 561822
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2





#77

t-1,4-Dichloro-2-butene

Concen: 46.125 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN057582.D

Acq: 30 Aug 2019 12:11

Instrument :

MSVOA_N

ClientSampleId :

VN0830WBL01

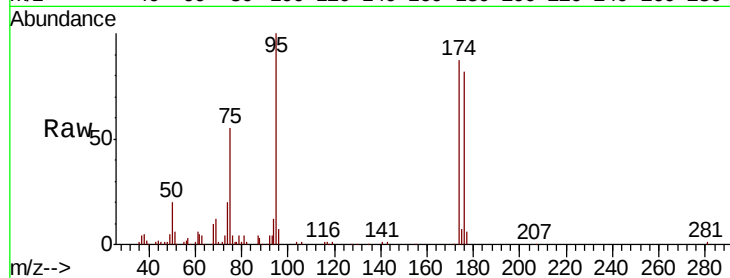
Tgt Ion: 75 Resp: 67247

Ion Ratio Lower Upper

75 100

53 0.0 52.8 158.4#

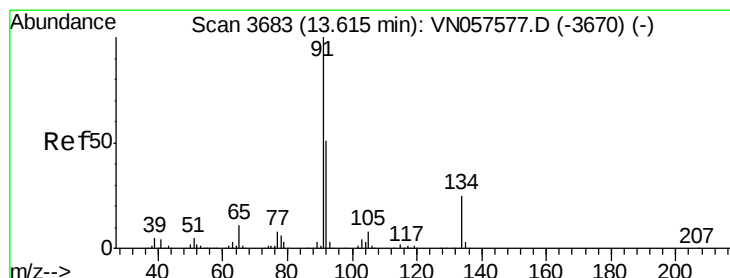
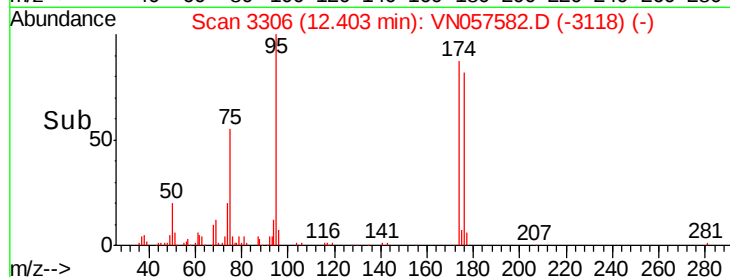
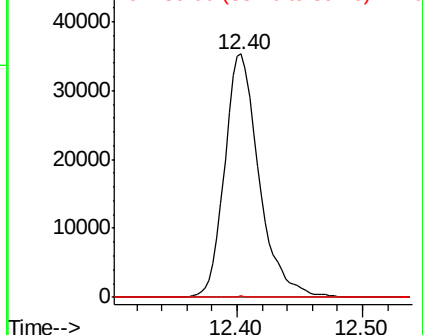
89 0.5 23.2 69.5#



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



#85

n-Butylbenzene

Concen: 0.263 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.01 min

Lab File: VN057582.D

Acq: 30 Aug 2019 12:11

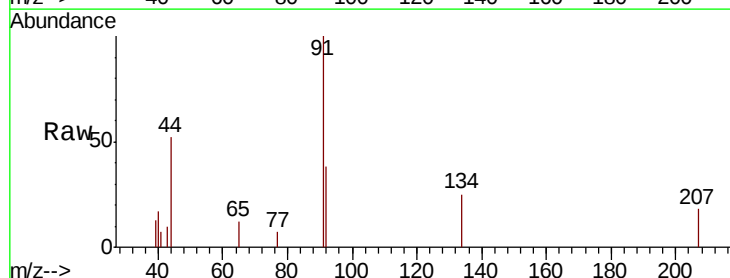
Tgt Ion: 91 Resp: 3481

Ion Ratio Lower Upper

91 100

92 53.0 0.0 103.0

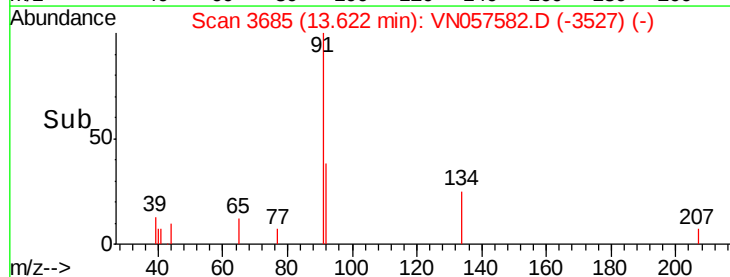
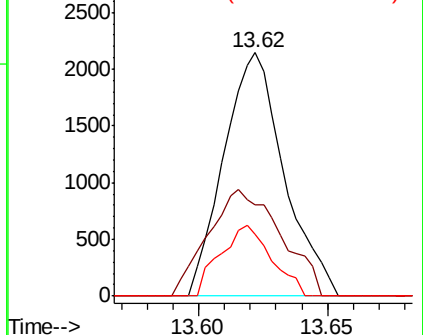
134 24.8 0.0 51.0

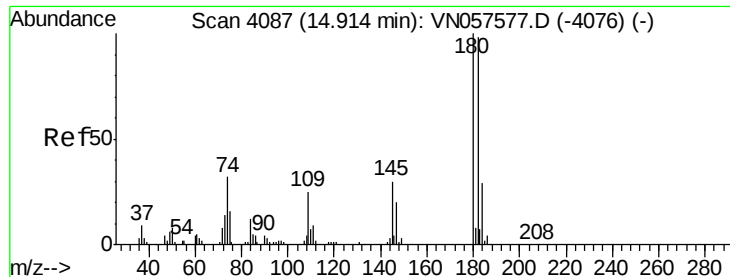


Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

Ion 134.00 (133.70 to 134.70): V

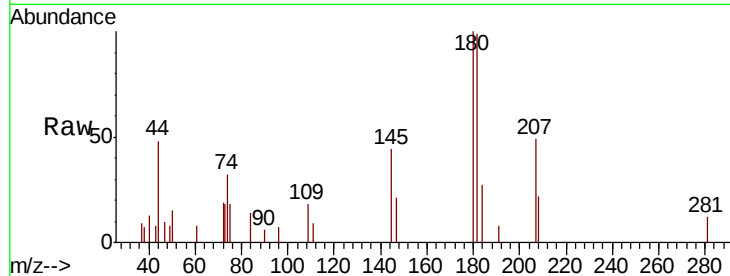




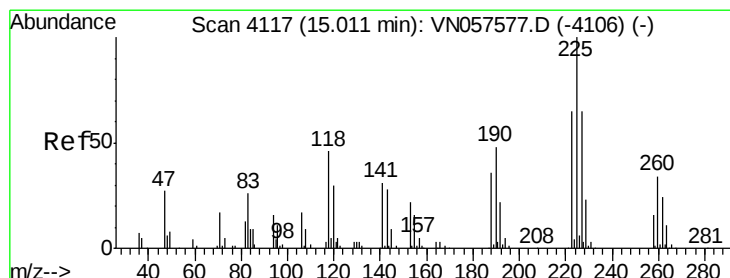
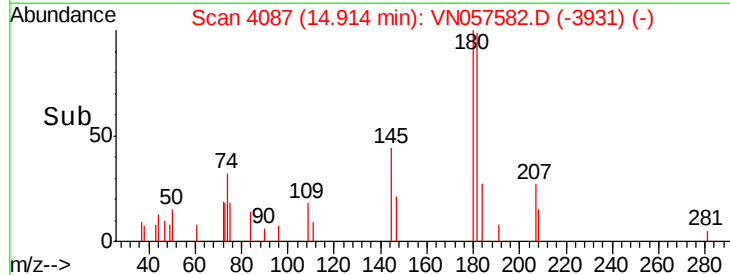
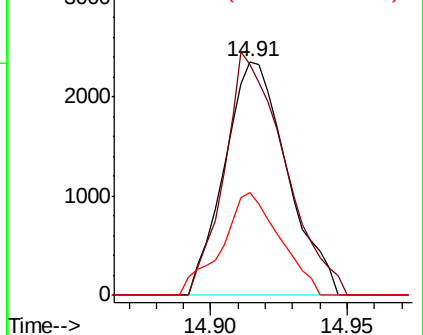
#89
 1,2,4-Trichlorobenzene
 Concen: 1.262 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057582.D
 Acq: 30 Aug 2019 12:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0830WBL01

Tgt Ion:180 Resp: 3767
 Ion Ratio Lower Upper
 180 100
 182 100.2 76.6 115.0
 145 40.9 24.4 36.6#

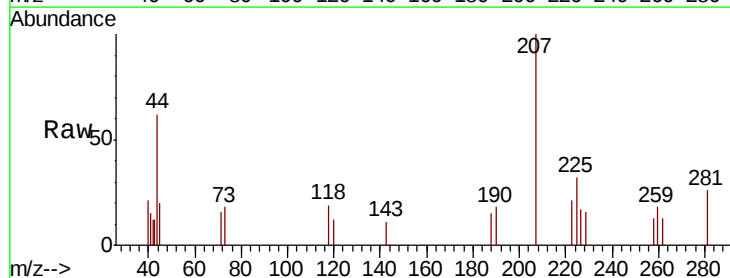


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

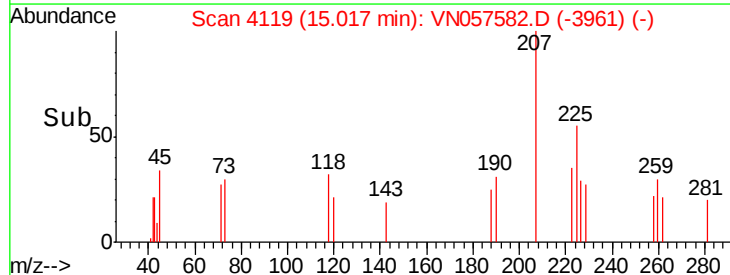
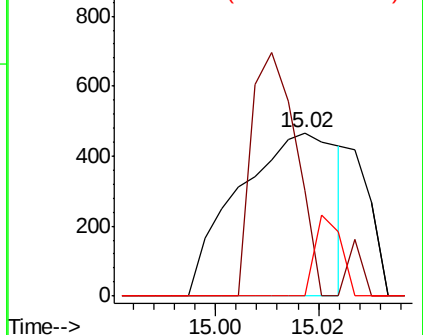


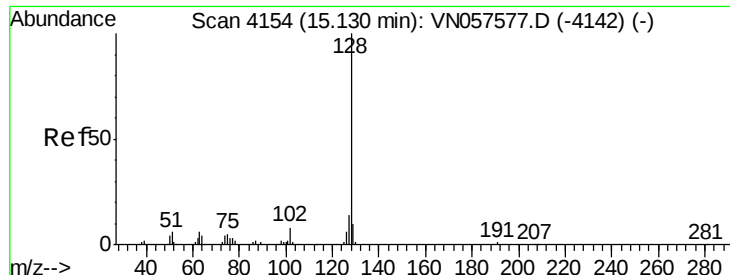
#90
 Hexachlorobutadiene
 Concen: 0.243 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.01 min
 Lab File: VN057582.D
 Acq: 30 Aug 2019 12:11

Tgt Ion:225 Resp: 624
 Ion Ratio Lower Upper
 225 100
 223 66.7 0.0 130.6
 227 12.8 0.0 131.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V

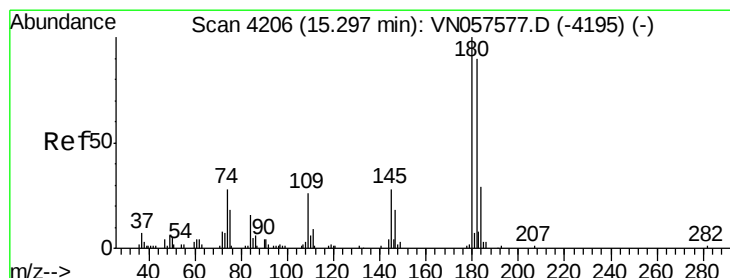
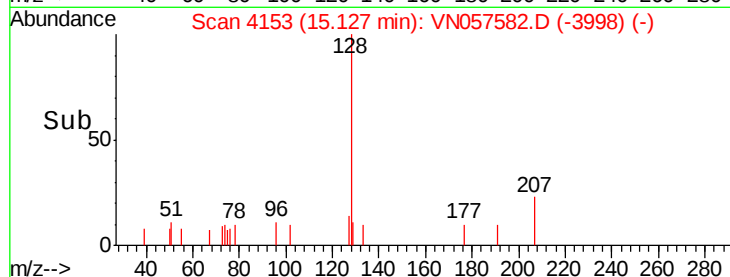
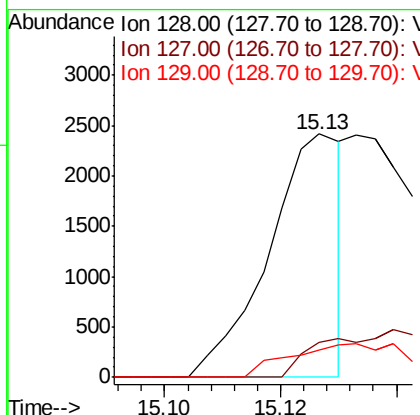
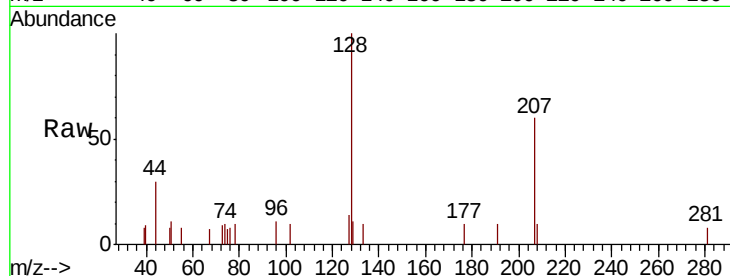




#91
Naphthalene
Concen: 0.257 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN057582.D
Acq: 30 Aug 2019 12:11

Instrument :
MSVOA_N
ClientSampleId :
VN0830WBL01

Tgt Ion:128 Resp: 2133
Ion Ratio Lower Upper
128 100
127 11.8 10.6 16.0
129 16.1 8.1 12.1#



#92
1,2,3-Trichlorobenzene
Concen: 1.283 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057582.D
Acq: 30 Aug 2019 12:11

Tgt Ion:180 Resp: 3793
Ion Ratio Lower Upper
180 100
182 93.0 0.0 181.0
145 18.6 0.0 62.2

