

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058444.D
 Acq On : 30 Sep 2019 18:30
 Operator : JC/SP
 Sample : K5080-10
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:34:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	429216	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	685787	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	594347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	228167	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	309066	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
35) Dibromofluoromethane	7.57	113	215585	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	10.08	98	874329	53.10	ug/l	0.00
Spiked Amount			Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.41	95	275920	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	

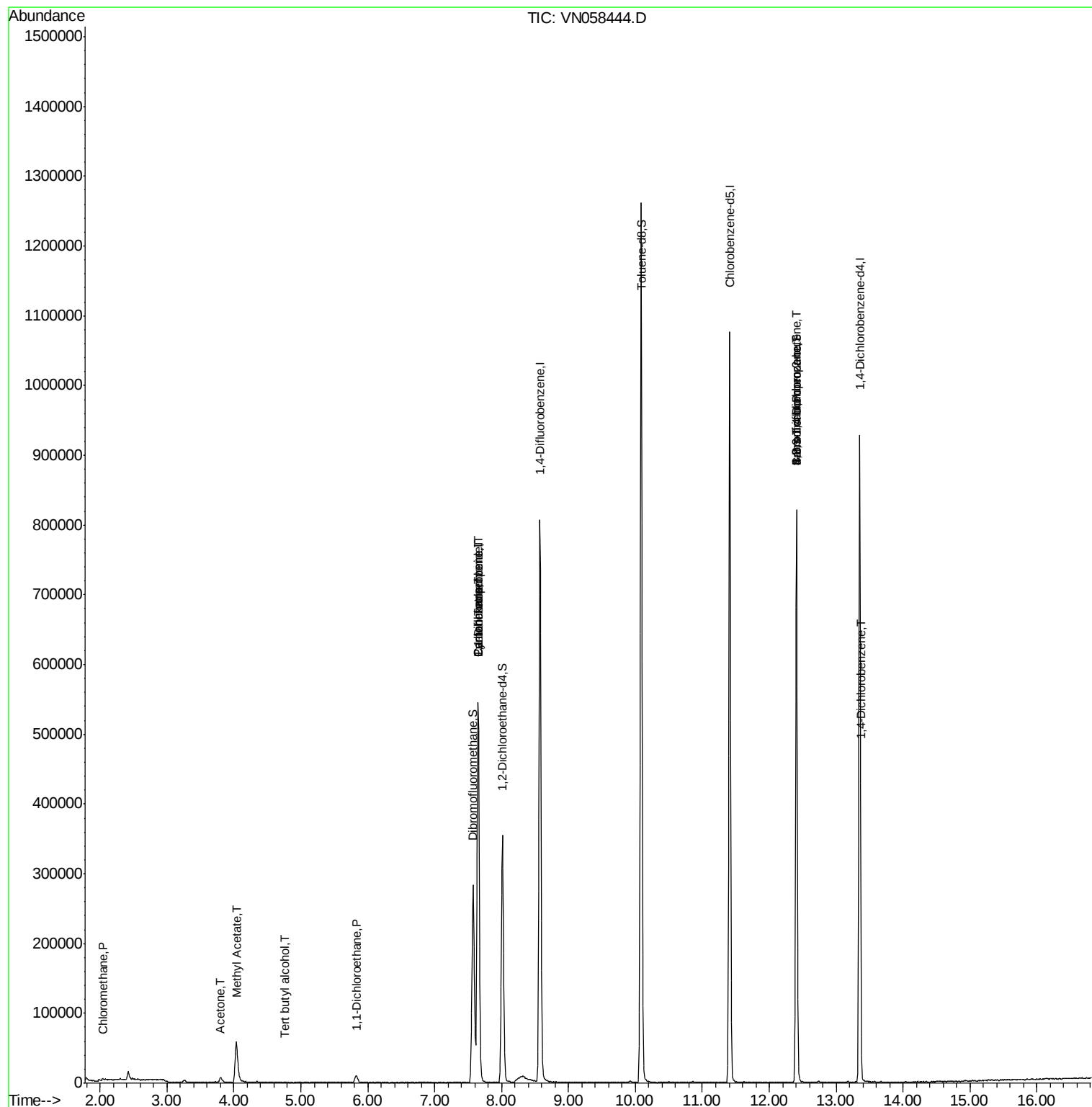
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1455	0.281	ug/l	92
11) Tert butyl alcohol	4.75	59	550	0.789	ug/l #	71
16) Acetone	3.80	43	12818	5.995	ug/l	98
18) Methyl Acetate	4.04	43	24319	4.522	ug/l #	53
24) 1,1-Dichloroethane	5.83	63	16311	1.828	ug/l	98
31) Cyclohexane	7.65	56	10189	1.174	ug/l #	30
36) 1,1-Dichloropropene	7.65	75	36964	5.637	ug/l #	51
38) Carbon Tetrachloride	7.65	117	43468	7.344	ug/l #	15
71) Bromoform	12.41	173	2139	1.462	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	152613	36.620	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	152613	111.219	ug/l #	7
88) 1,4-Dichlorobenzene	13.37	146	2259	0.317	ug/l #	1
95) Naphthalene	15.14	128	145	Below Cal	#	70

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN093019\
Data File : VN058444.D
Acq On : 30 Sep 2019 18:30
Operator : JC/SP
Sample : K5080-10
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 01 01:34:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.00 min

Lab File: VN058444.D

Acq: 30 Sep 2019 18:30

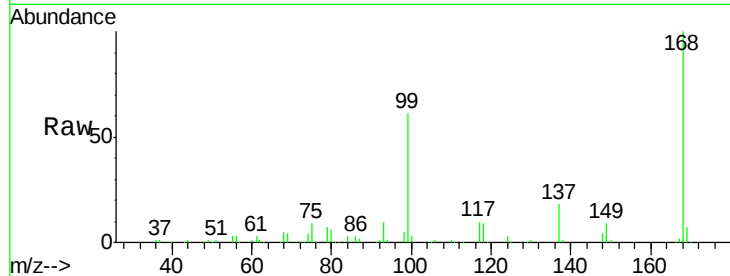
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 429216

Ion Ratio Lower Upper

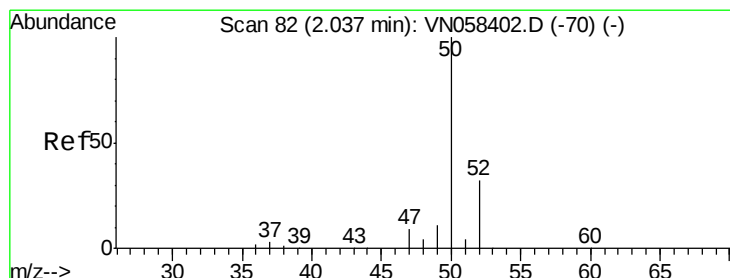
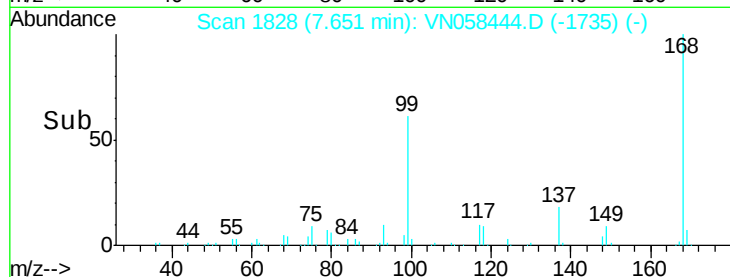
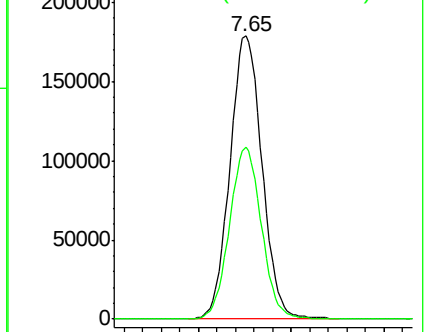
168 100

99 60.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 0.281 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058444.D

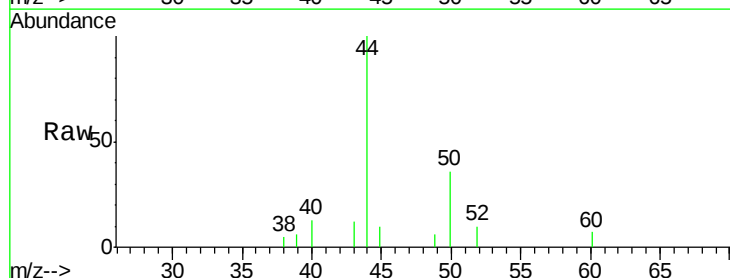
Acq: 30 Sep 2019 18:30

Tgt Ion: 50 Resp: 1455

Ion Ratio Lower Upper

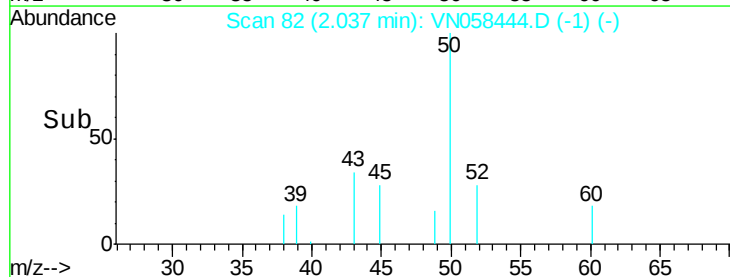
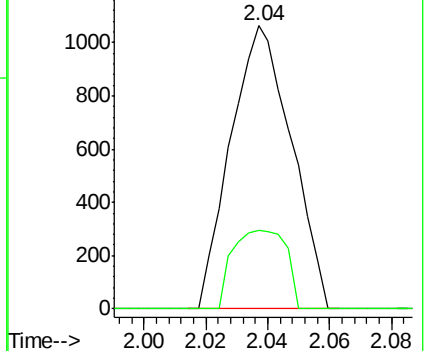
50 100

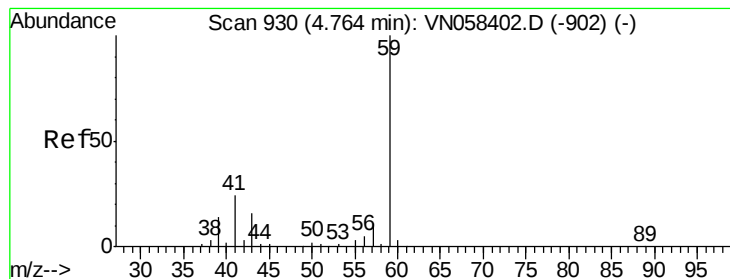
52 27.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN



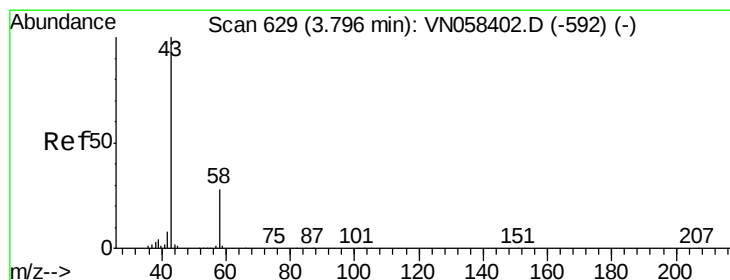
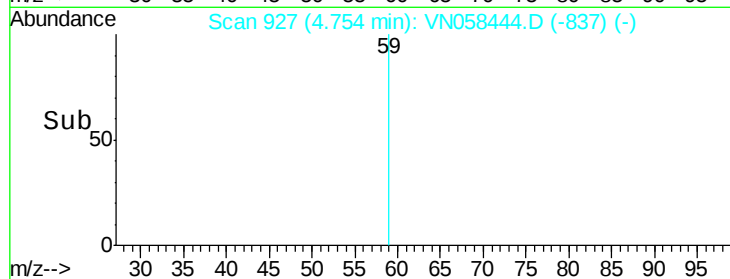
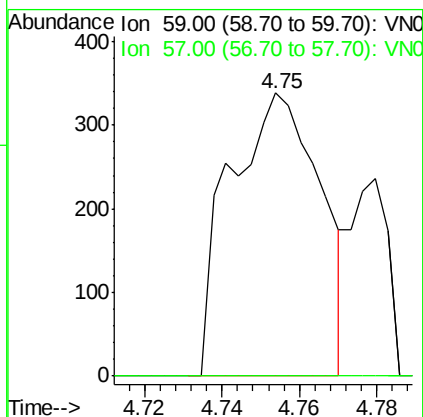
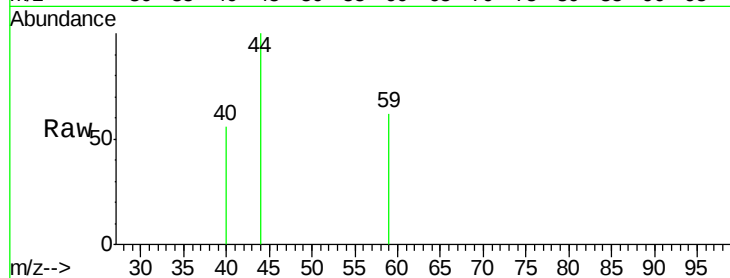


#11

Tert butyl alcohol
 Concen: 0.789 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058444.D
 Acq: 30 Sep 2019 18:30

Instrument :
 MSVOA_N
 ClientSampled :

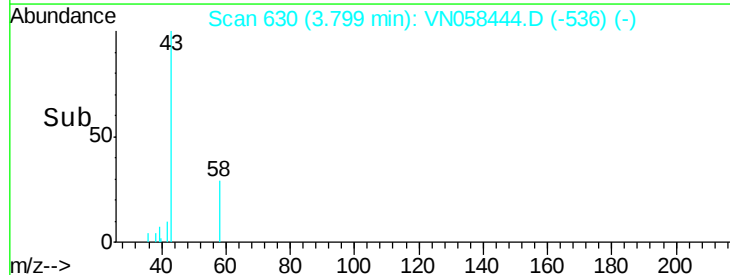
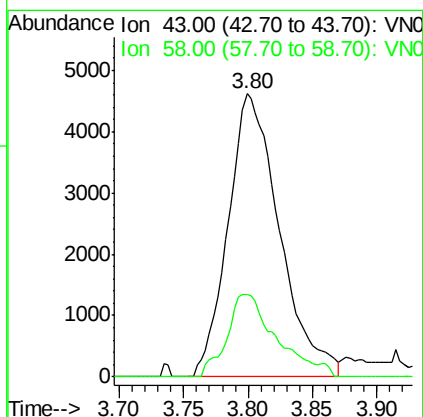
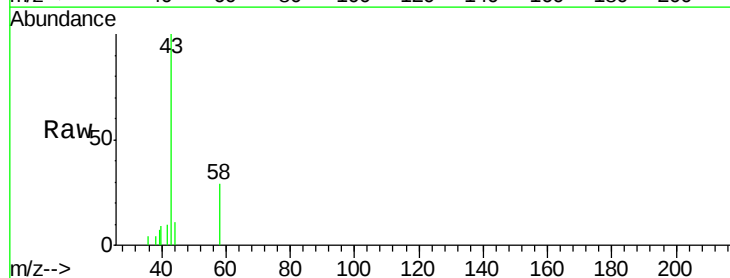
Tot Ion: 59 Resp: 550
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.4#

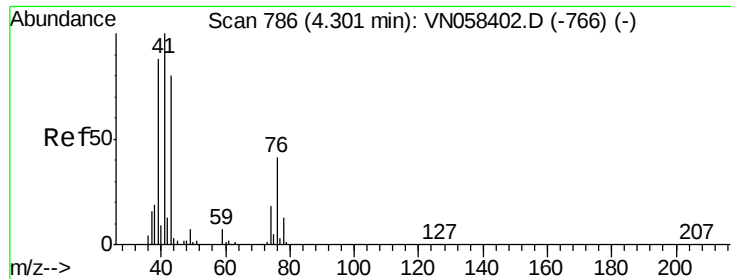


#16

Acetone
 Concen: 5.995 ug/l
 RT: 3.80 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN058444.D
 Acq: 30 Sep 2019 18:30

Tgt Ion: 43 Resp: 12818
 Ion Ratio Lower Upper
 43 100
 58 29.3 22.4 33.6

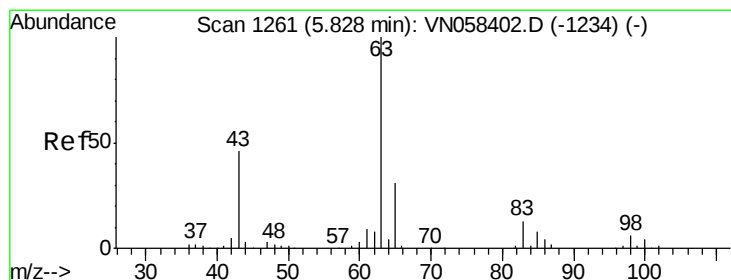
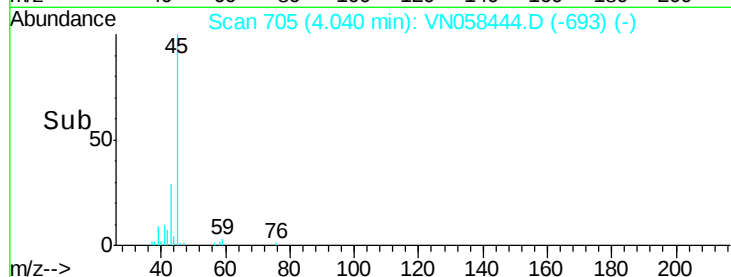
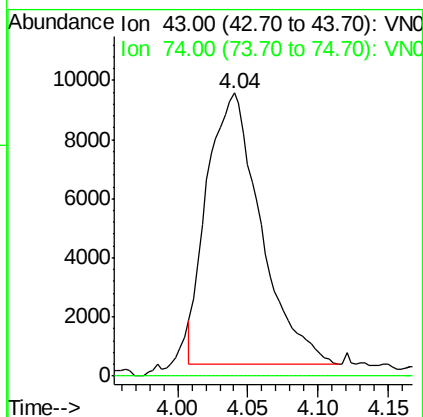
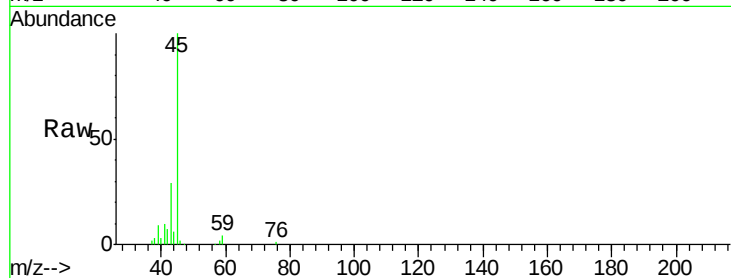




#18
Methvl Acetate
Concen: 4.522 ug/l
RT: 4.04 min Scan# 705
Delta R.T. -0.26 min
Lab File: VN058444.D
Acq: 30 Sep 2019 18:30

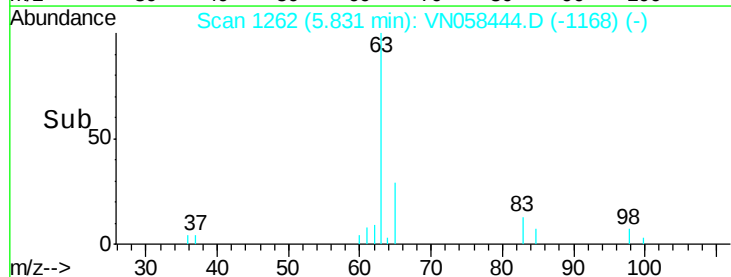
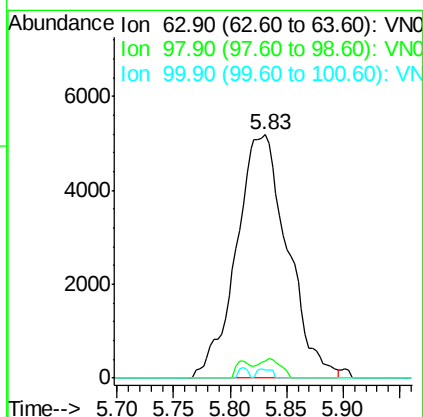
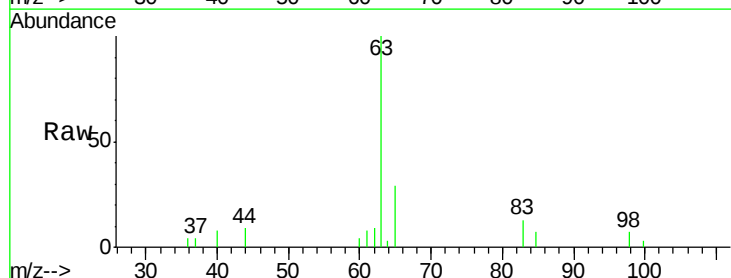
Instrument :
MSVOA_N
ClientSampleId :

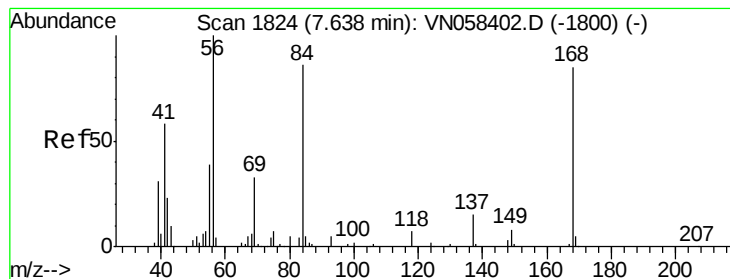
Tot Ion: 43 Resp: 24319
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#



#24
1,1-Dichloroethane
Concen: 1.828 ug/l
RT: 5.83 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VN058444.D
Acq: 30 Sep 2019 18:30

Tgt Ion: 63 Resp: 16311
Ion Ratio Lower Upper
63 100
98 7.0 3.0 9.0
100 3.3 2.0 5.8





#31

Cyclohexane

Concen: 1.174 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058444.D

Acq: 30 Sep 2019 18:30

Instrument :
MSVOA_N
ClientSampled :

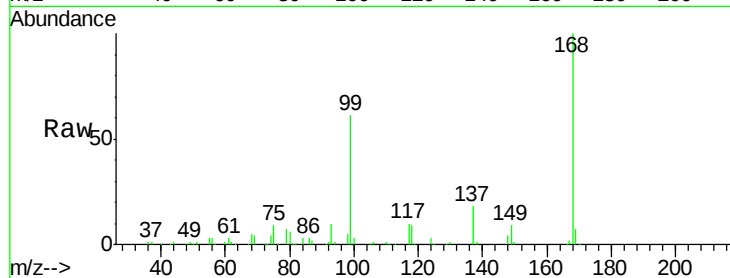
Tot Ion: 56 Resp: 10189

Ion Ratio Lower Upper

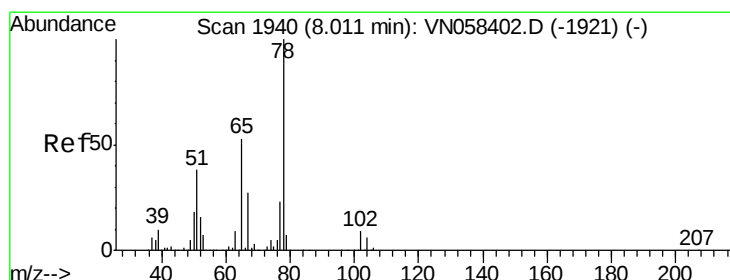
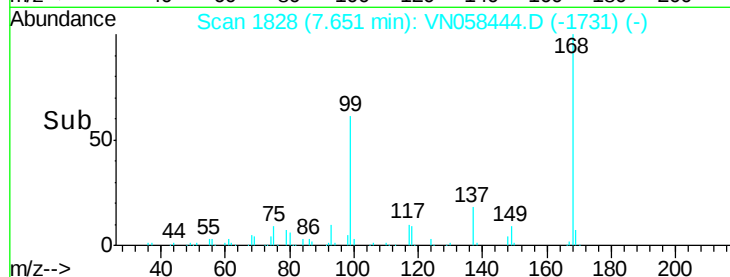
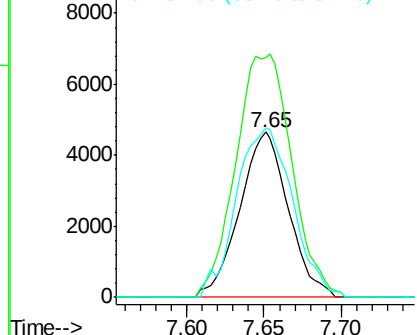
56 100

69 145.1 26.2 39.4#

84 103.0 67.6 101.4#



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



#33

1,2-Dichloroethane-d4

Concen: 49.275 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058444.D

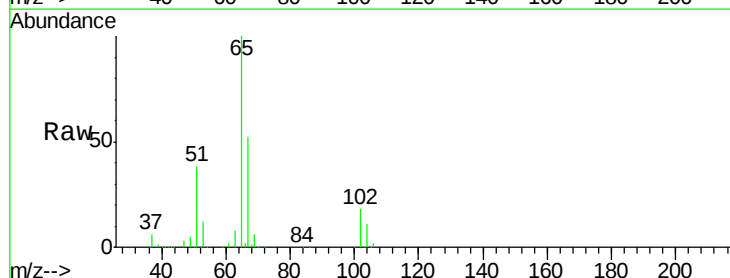
Acq: 30 Sep 2019 18:30

Tgt Ion: 65 Resp: 309066

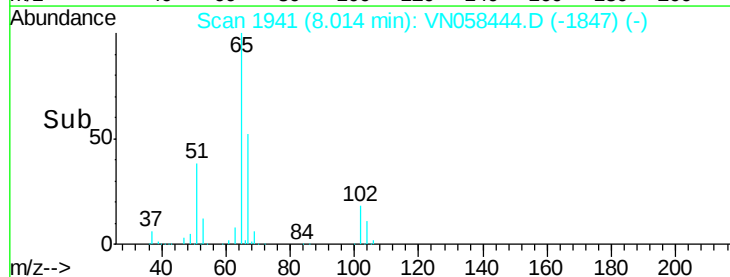
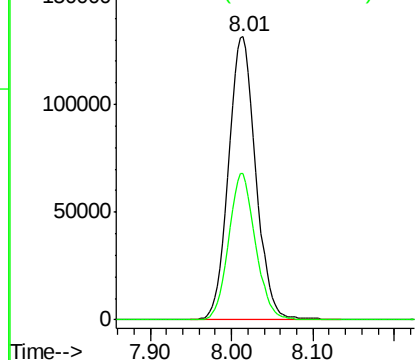
Ion Ratio Lower Upper

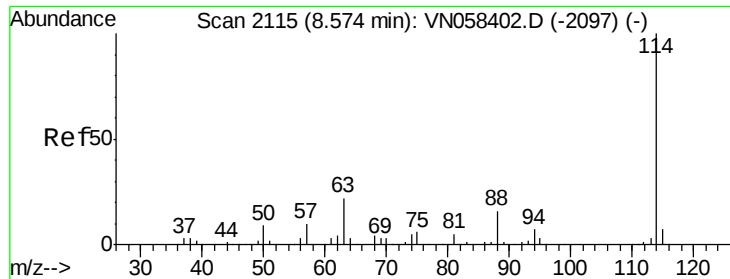
65 100

67 50.8 0.0 102.4



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

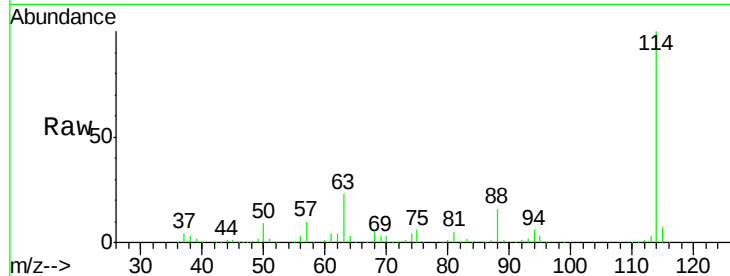




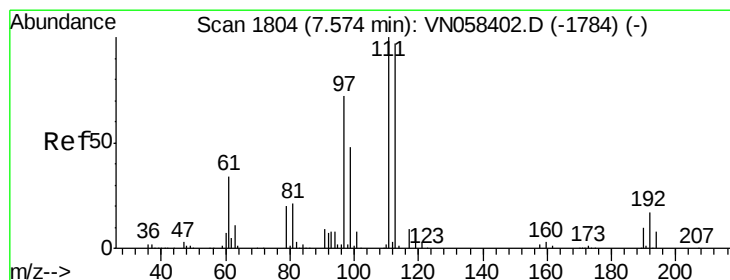
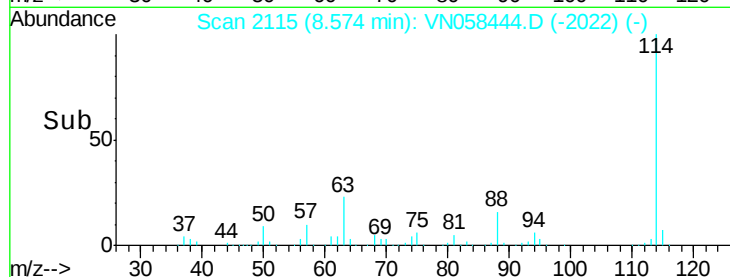
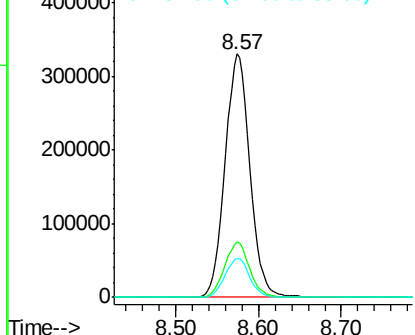
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058444.D
 Acq: 30 Sep 2019 18:30

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 685787
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.0
 88 16.0 0.0 32.2

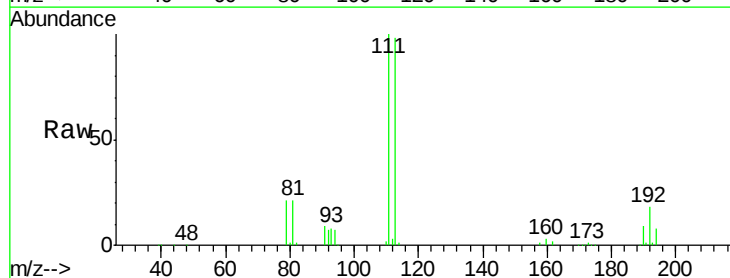


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

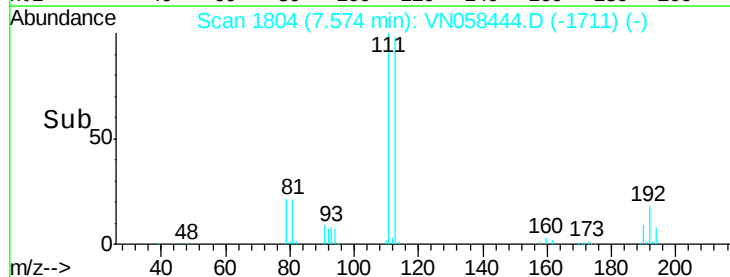
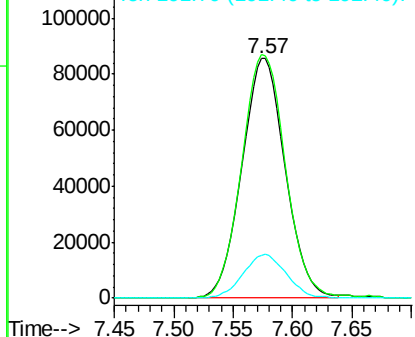


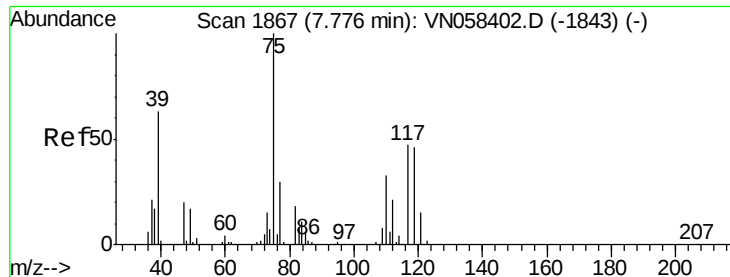
#35
 Dibromofluoromethane
 Concen: 51.292 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058444.D
 Acq: 30 Sep 2019 18:30

Tgt Ion:113 Resp: 215585
 Ion Ratio Lower Upper
 113 100
 111 103.1 83.4 125.2
 192 18.2 14.9 22.3



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: 5.637 ug/l

RT: 7.65 min Scan# 1828

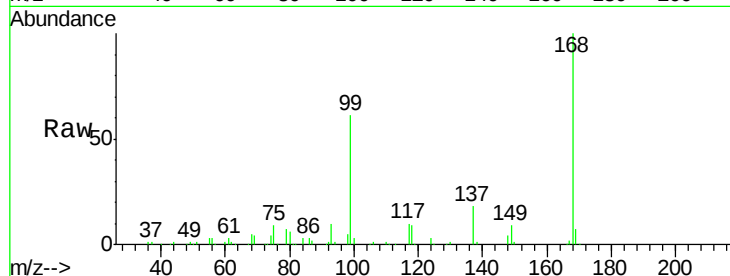
Delta R.T. -0.13 min

Lab File: VN058444.D

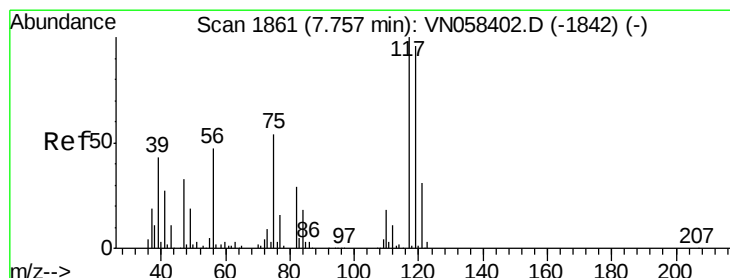
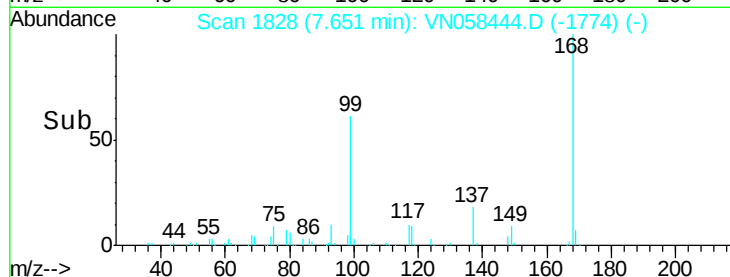
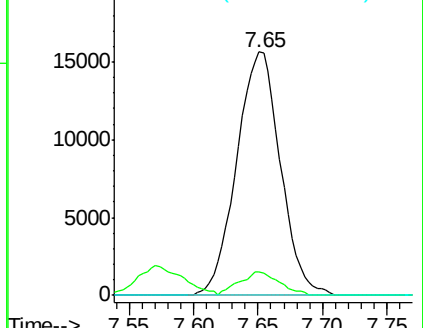
Acq: 30 Sep 2019 18:30

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	75	Resp:	36964
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.4	49.2#
77	0.0	24.3	36.5#



Abundance Ion 74.90 (74.60 to 75.60): VN058444.D (-1774) (-)



#38

Carbon Tetrachloride

Concen: 7.344 ug/l

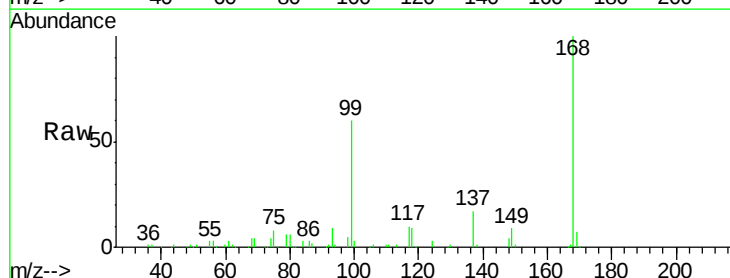
RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

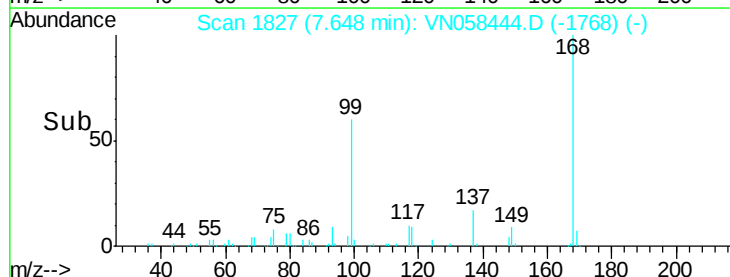
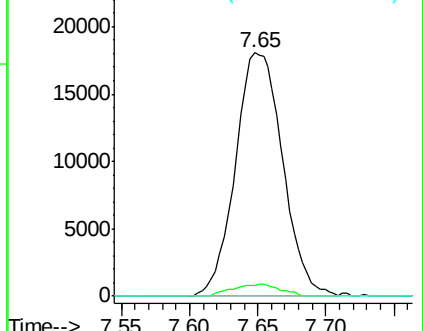
Lab File: VN058444.D

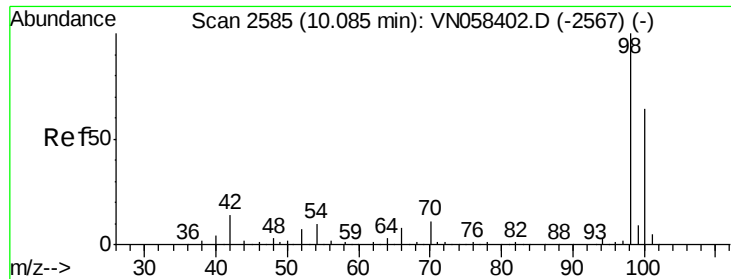
Acq: 30 Sep 2019 18:30

Tgt Ion:	117	Resp:	43468
Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.6	115.0#
121	0.0	24.7	37.1#



Abundance Ion 116.80 (116.50 to 117.50): VN058444.D (-1768) (-)





#50

Toluene-d8

Concen: 53.101 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058444.D

Acq: 30 Sep 2019 18:30

Instrument :

MSVOA_N

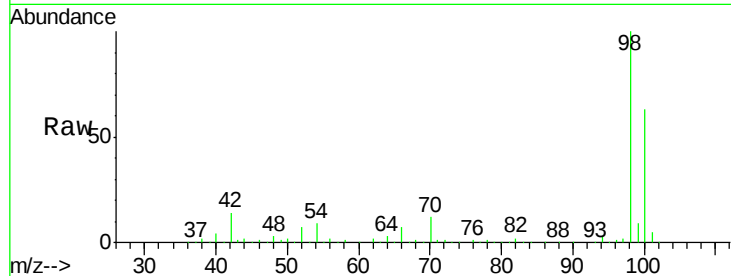
ClientSampled :

Tot Ion: 98 Resp: 874329

Ion Ratio Lower Upper

98 100

100 63.3 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

500000

400000

300000

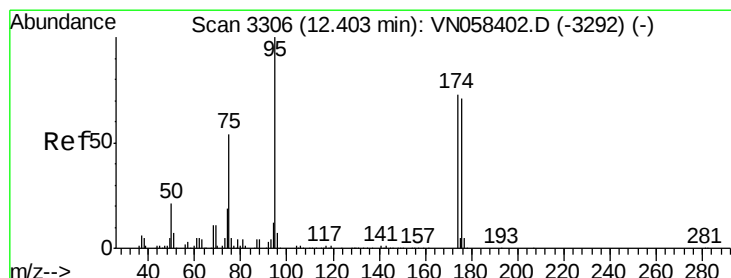
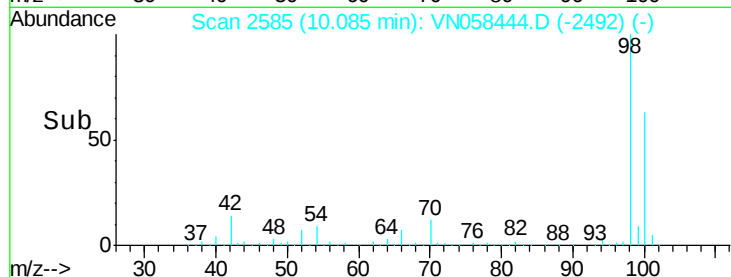
200000

100000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 46.345 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058444.D

Acq: 30 Sep 2019 18:30

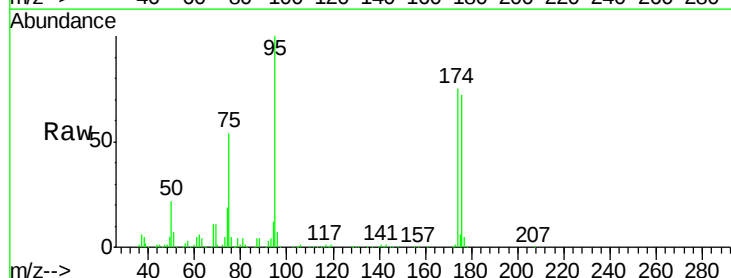
Tgt Ion: 95 Resp: 275920

Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.6

176 72.1 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.41

200000

150000

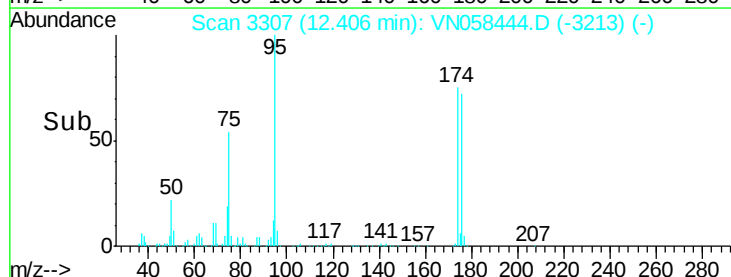
100000

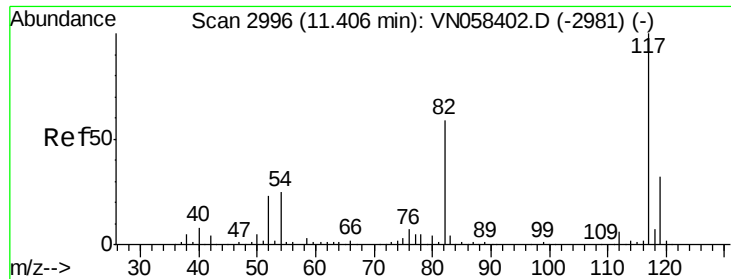
50000

0

Time-->

12.40 12.50

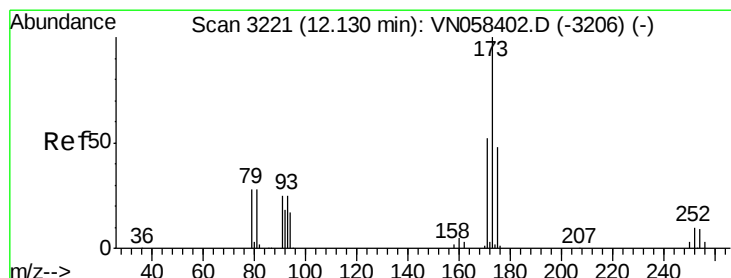
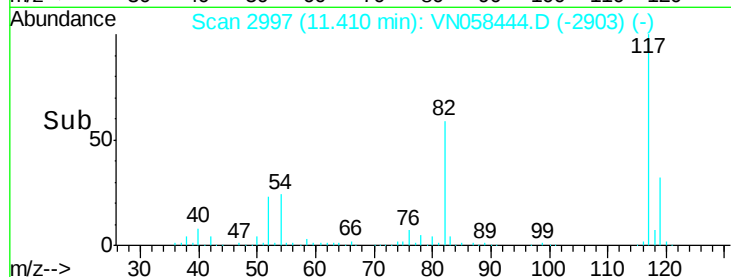
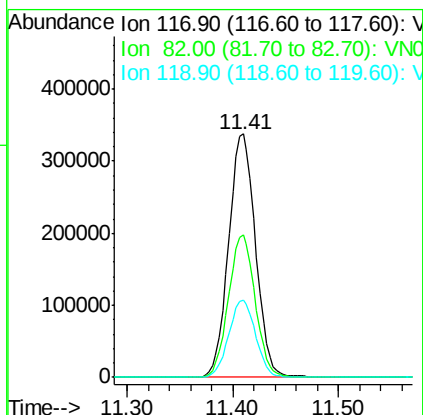
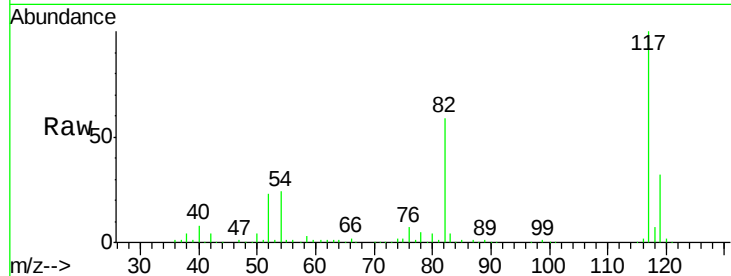




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058444.D
Acq: 30 Sep 2019 18:30

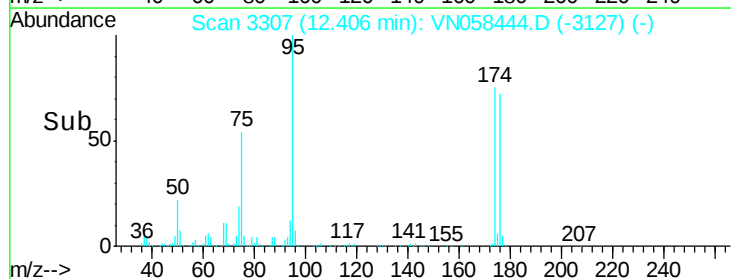
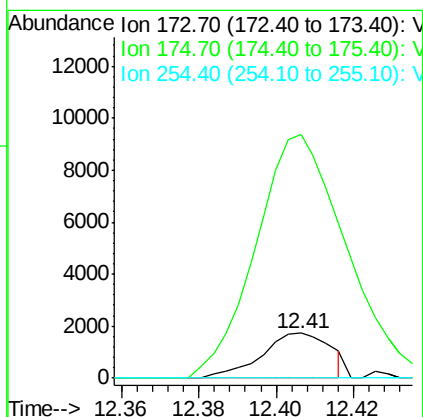
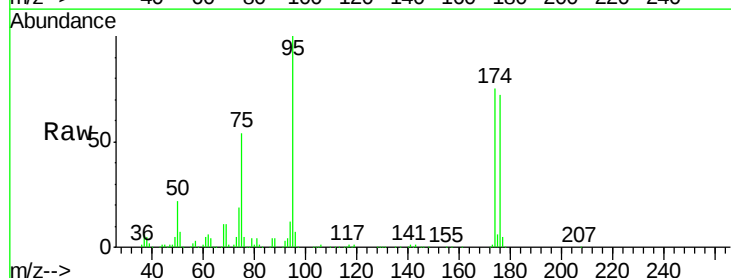
Instrument :
MSVOA_N
ClientSampleId :

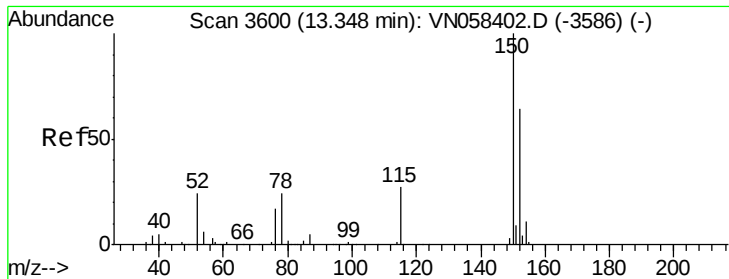
Tot Ion:117 Resp: 594347
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.0
119 31.9 25.5 38.3



#71
Bromoform
Concen: 1.462 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058444.D
Acq: 30 Sep 2019 18:30

Tgt Ion:173 Resp: 2139
Ion Ratio Lower Upper
173 100
175 587.2 24.3 73.0#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058444.D

Acq: 30 Sep 2019 18:30

Instrument :

MSVOA_N

ClientSampled :

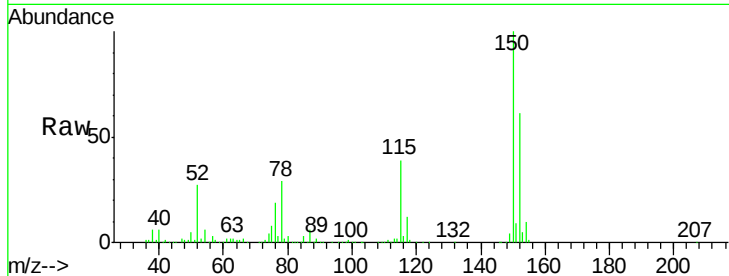
Tot Ion:152 Resp: 228167

Ion Ratio Lower Upper

152 100

115 62.2 30.0 90.0

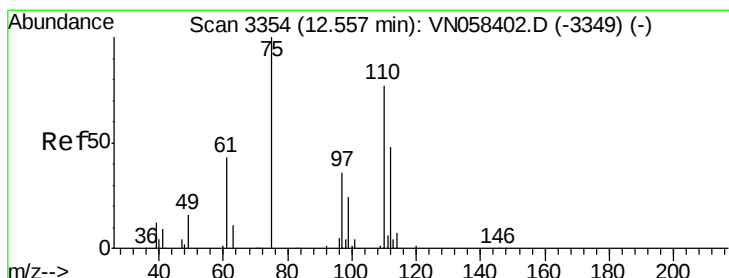
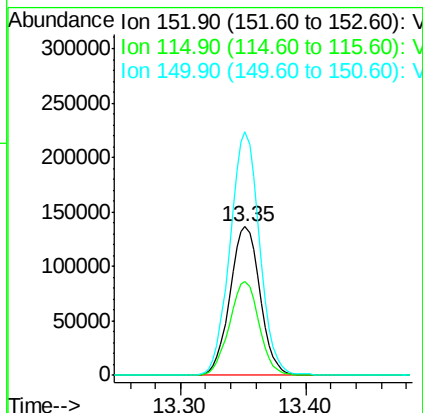
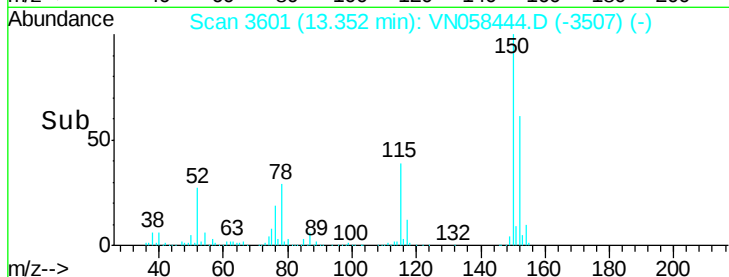
150 160.5 0.0 348.2



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: 36.620 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058444.D

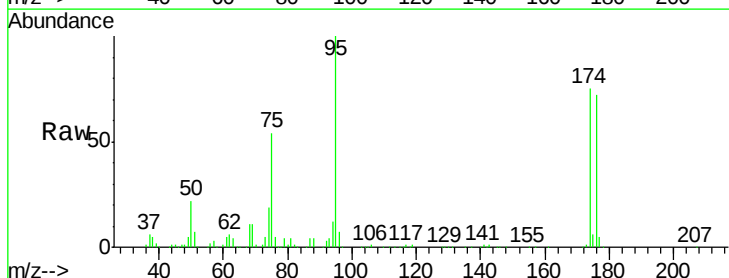
Acq: 30 Sep 2019 18:30

Tgt Ion: 75 Resp: 152613

Ion Ratio Lower Upper

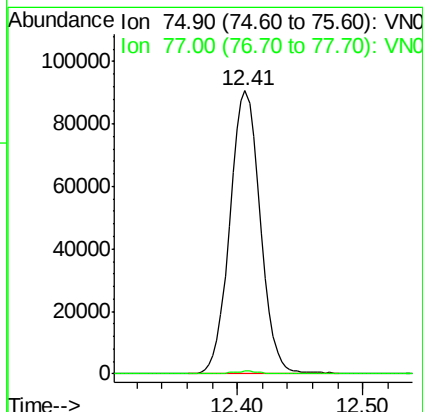
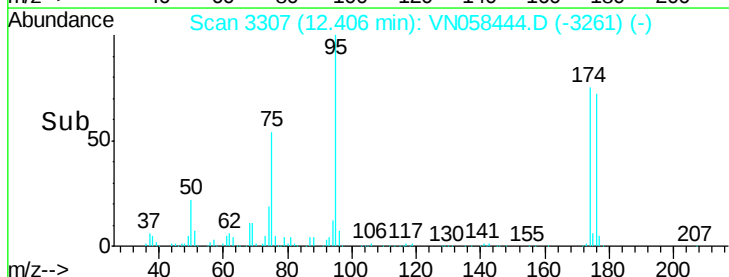
75 100

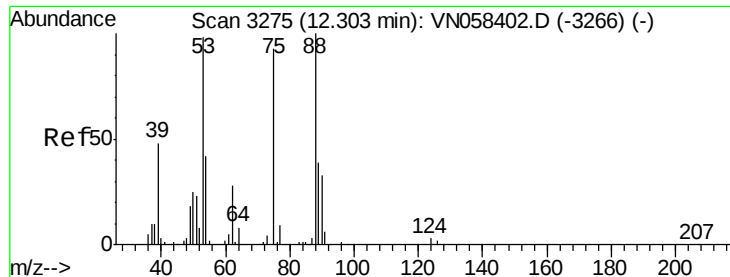
77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 111.219 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058444.D

Acq: 30 Sep 2019 18:30

Instrument :

MSVOA_N

ClientSampled :

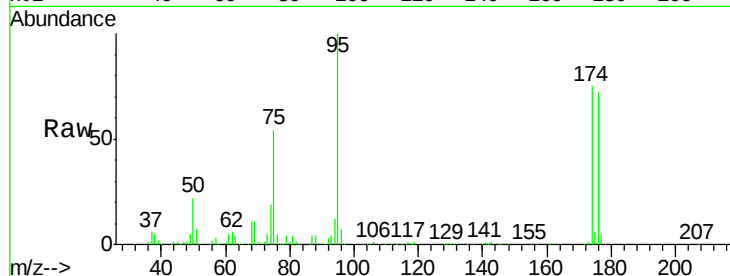
Tot Ion: 75 Resp: 152613

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

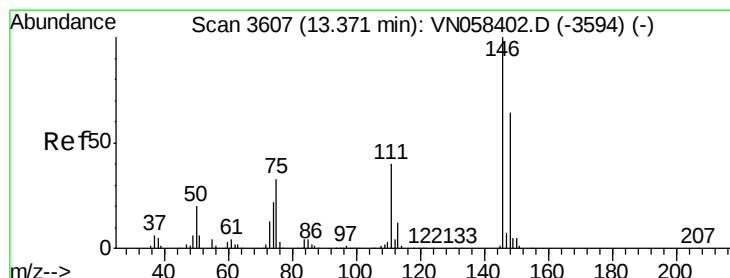
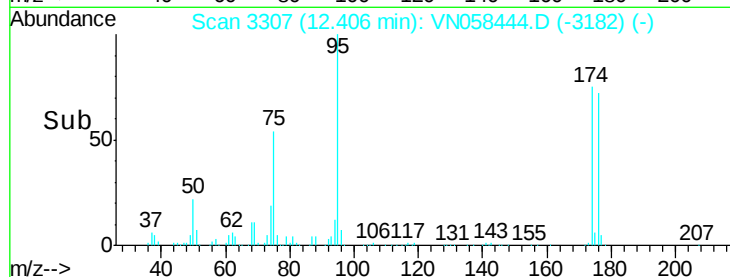
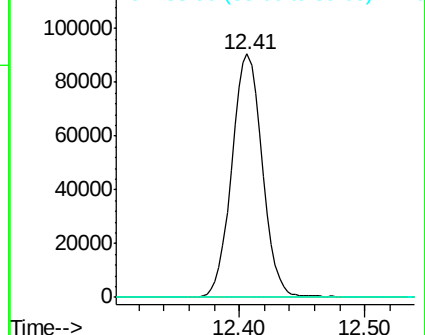
89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN058444.D (-3182) (-)

Ion 53.00 (52.70 to 53.70): VN058444.D (-3182) (-)

Ion 88.90 (88.60 to 89.60): VN058444.D (-3182) (-)



#88

1,4-Dichlorobenzene

Concen: 0.317 ug/l

RT: 13.37 min Scan# 3608

Delta R.T. 0.00 min

Lab File: VN058444.D

Acq: 30 Sep 2019 18:30

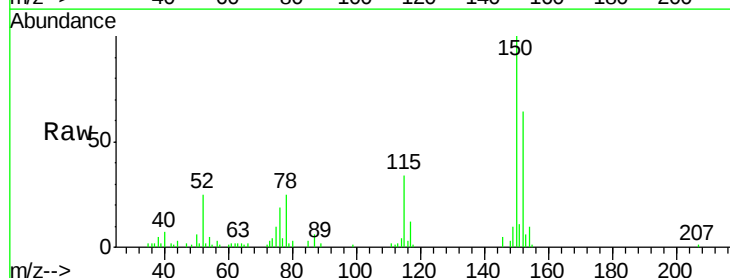
Tgt Ion: 146 Resp: 2259

Ion Ratio Lower Upper

146 100

111 177.7 20.5 61.6#

148 98.1 31.5 94.5#



Abundance Ion 145.90 (145.60 to 146.60): VN058444.D (-3514) (-)

Ion 110.90 (110.60 to 111.60): VN058444.D (-3514) (-)

Ion 147.90 (147.60 to 148.60): VN058444.D (-3514) (-)

