

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053464.D
 Acq On : 18 Jan 2019 11:20
 Operator : JC/SP
 Sample : K1166-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 CLOVER-YARD

Quant Time: Jan 19 00:09:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	136190	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	741996	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	657046	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	260619	30.12	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.40%
60) 4-Bromofluorobenzene	12.40	95	277010	27.55	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.83%
63) Toluene-d8	10.09	98	871227	29.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.10%

Target Compounds

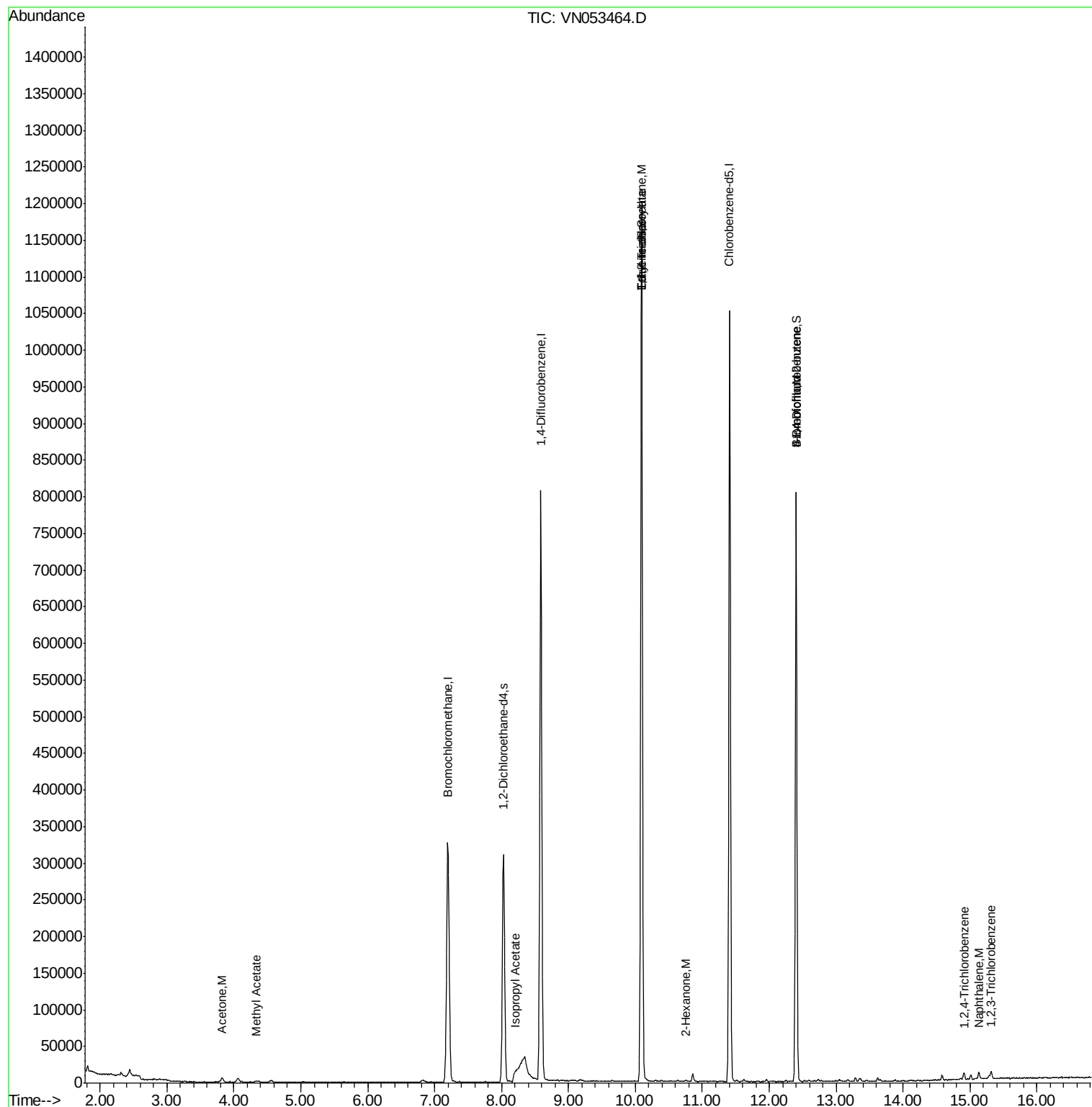
					Ovalue	
12) Methyl Acetate	4.34	43	2234	0.361	ug/l #	72
15) Acetone	3.81	58	1247	2.121	ug/l	96
44) Isopropyl Acetate	8.19	43	4631	0.397	ug/l #	56
50) 1,1,2-Trichloroethane	10.10	97	26549	3.712	ug/l #	1
51) Ethyl methacrylate	10.10	69	2618	0.281	ug/l	94
56) Bromoform	12.40	173	2480	0.451	ug/l #	1
59) 2-Hexanone	10.76	43	1151	0.266	ug/l #	75
77) t-1,4-Dichloro-2-butene	12.40	75	126372	51.779	ug/l #	11
89) 1,2,4-Trichlorobenzene	14.91	180	3511	0.472	ug/l #	92
91) Naphthalene	15.13	128	8741	0.554	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.32	180	4314	0.650	ug/l	94

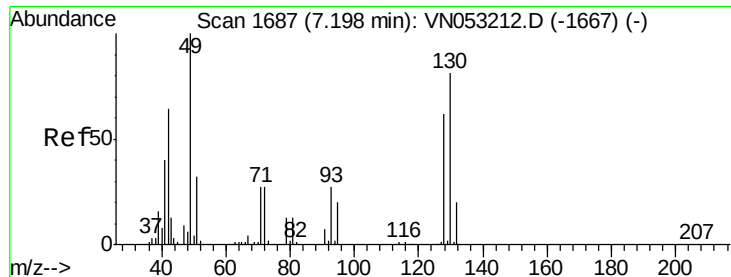
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :
CLOVER-YARD

Quant Time: Jan 19 00:09:46 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Dec 28 10:33:50 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN053464.D

Acq: 18 Jan 2019 11:20

Instrument :
MSVOA_N
ClientSampleId :
CLOVER-YARD

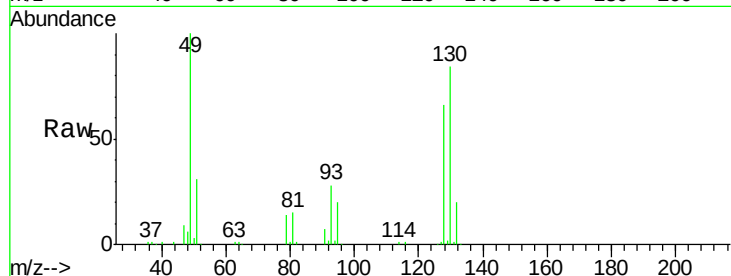
Tot Ion:128 Resp: 136190

Ion Ratio Lower Upper

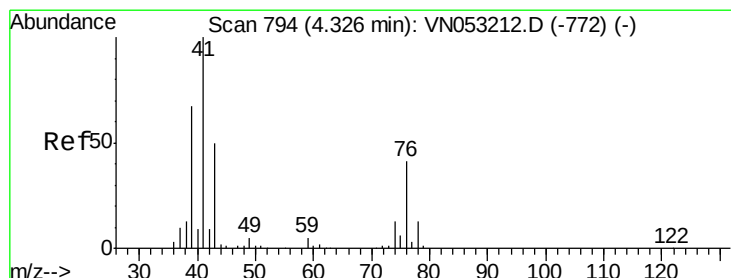
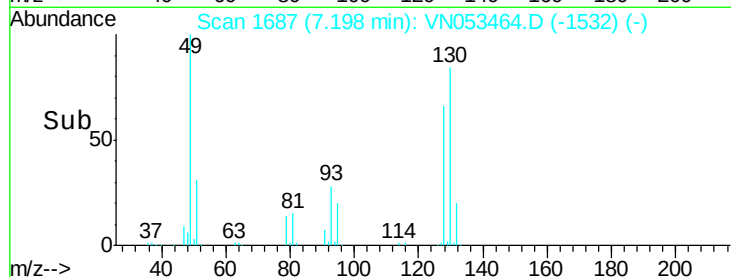
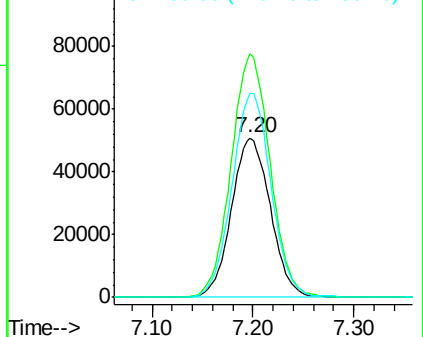
128 100

49 153.1 0.0 431.8

130 128.2 0.0 317.0



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



#12

Methyl Acetate

Concen: 0.361 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN053464.D

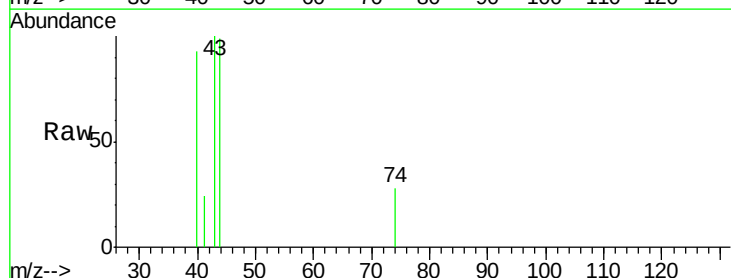
Acq: 18 Jan 2019 11:20

Tgt Ion: 43 Resp: 2234

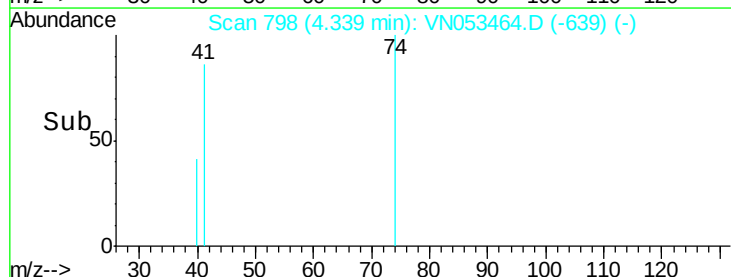
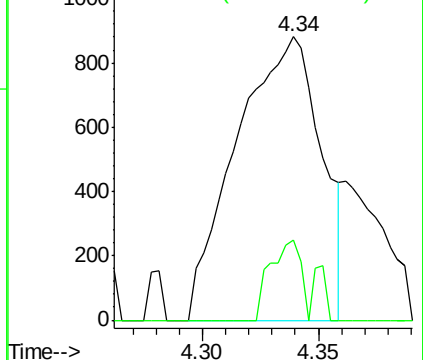
Ion Ratio Lower Upper

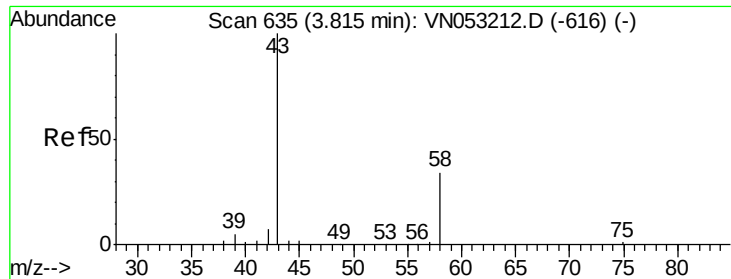
43 100

74 37.5 18.9 28.3#



Abundance Ion 43.00 (42.70 to 43.70): VN
Ion 74.00 (73.70 to 74.70): VN





#15

Acetone

Concen: 2.121 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.00 min

Lab File: VN053464.D

Acq: 18 Jan 2019 11:20

Instrument :

MSVOA_N

ClientSampleId :

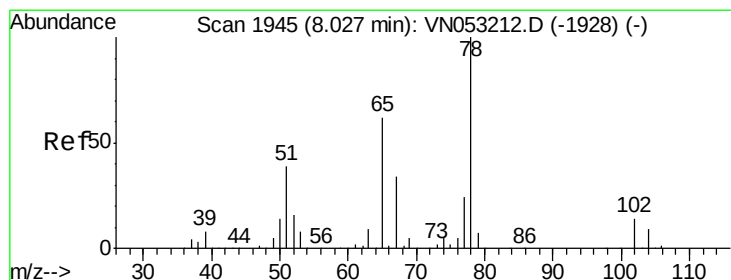
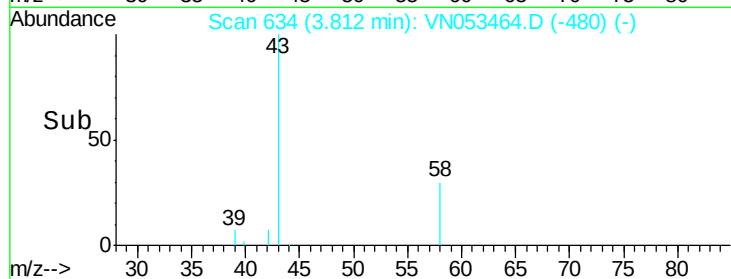
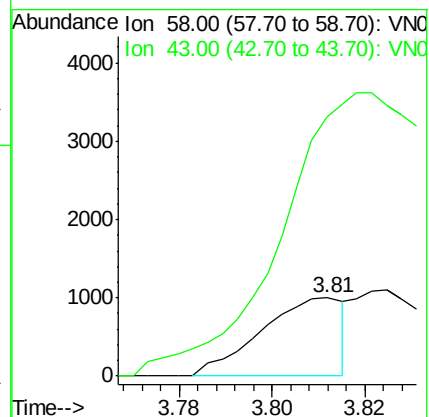
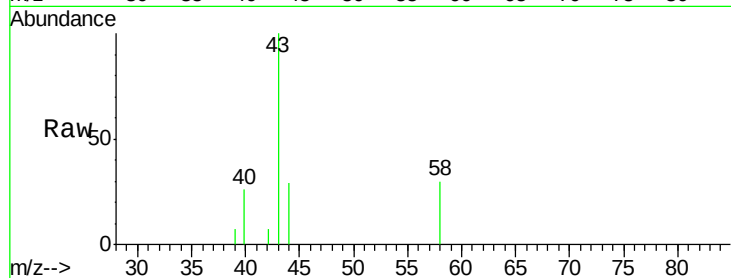
CLOVER-YARD

Tot Ion: 58 Resp: 1247

Ion Ratio Lower Upper

58 100

43 295.7 243.6 365.4



#27

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN053464.D

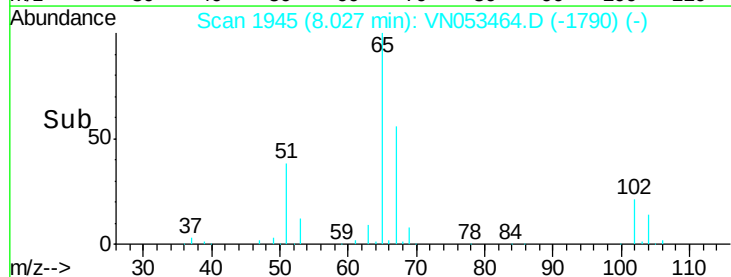
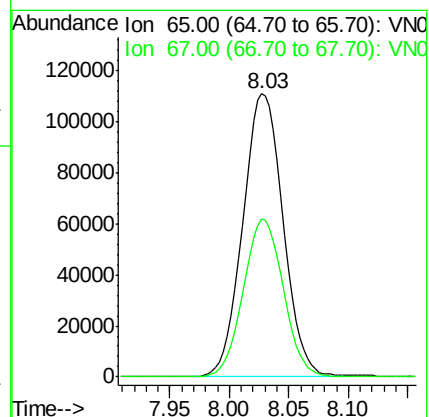
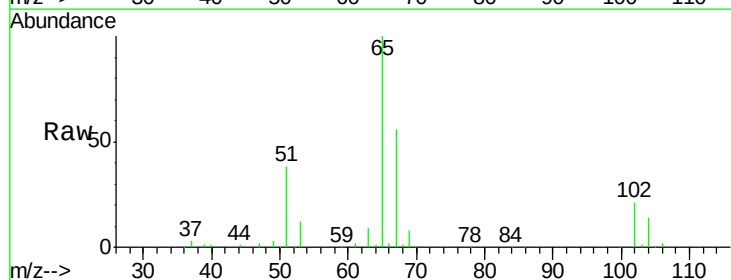
Acq: 18 Jan 2019 11:20

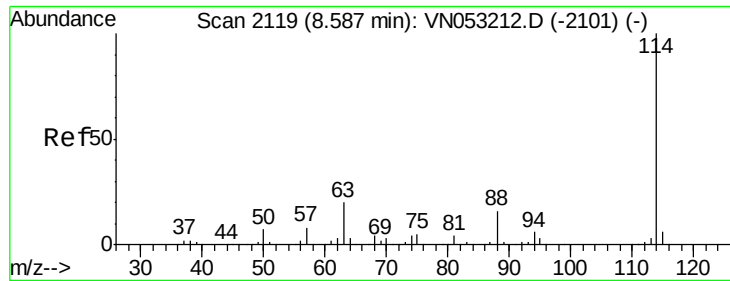
Tgt Ion: 65 Resp: 260619

Ion Ratio Lower Upper

65 100

67 55.2 44.6 66.8

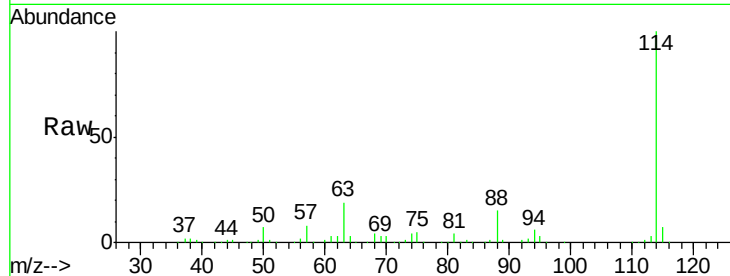




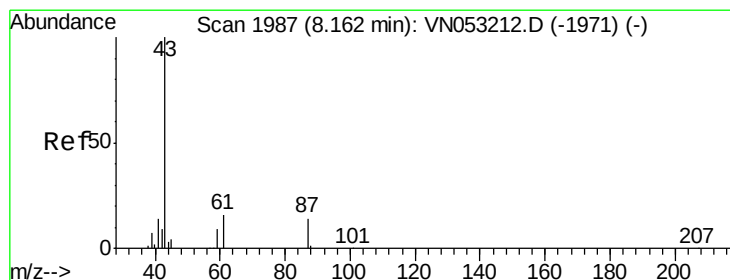
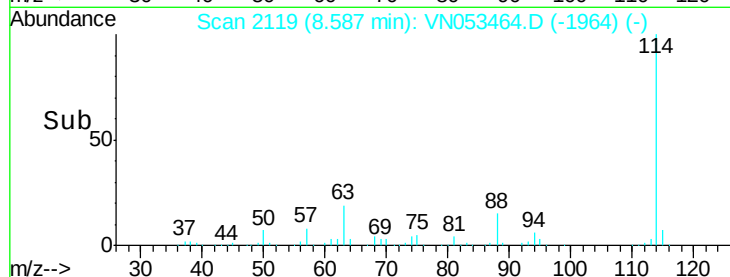
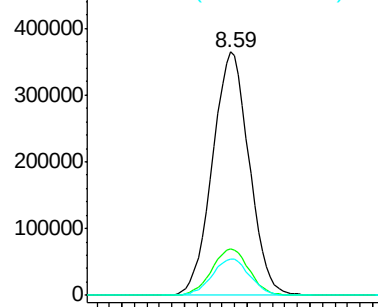
#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053464.D
 Acq: 18 Jan 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 CLOVER-YARD

Tot Ion:114 Resp: 741996
 Ion Ratio Lower Upper
 114 100
 63 19.4 16.9 25.3
 88 15.3 12.8 19.2

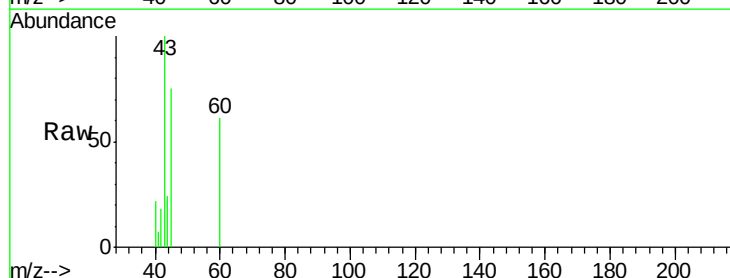


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 88.00 (87.70 to 88.70): VNO

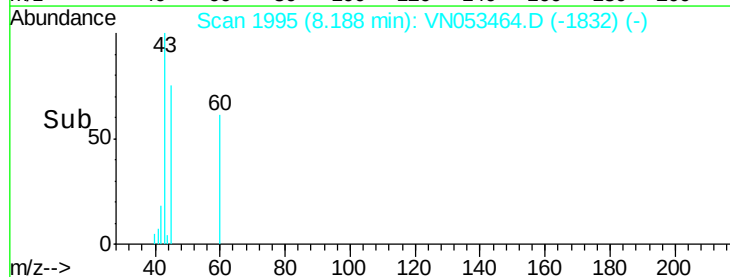
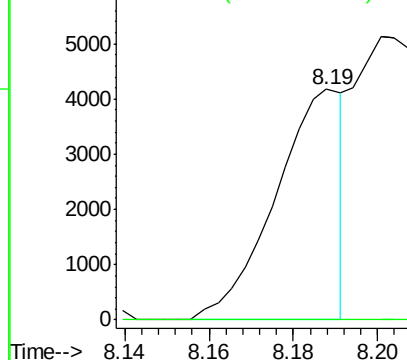


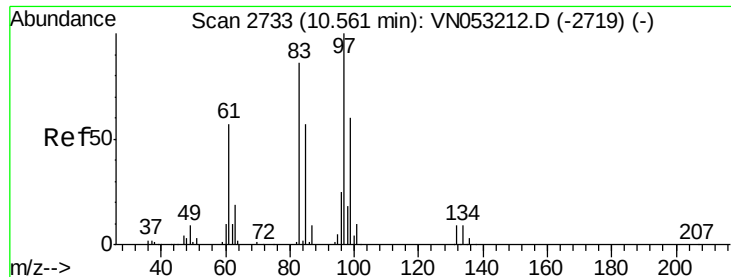
#44
 Isopropyl Acetate
 Concen: 0.397 ug/l
 RT: 8.19 min Scan# 1995
 Delta R.T. 0.03 min
 Lab File: VN053464.D
 Acq: 18 Jan 2019 11:20

Tgt Ion: 43 Resp: 4631
 Ion Ratio Lower Upper
 43 100
 61 0.0 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VNO
 Ion 61.00 (60.70 to 61.70): VNO

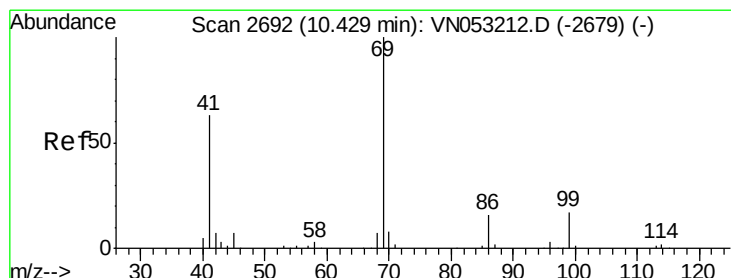
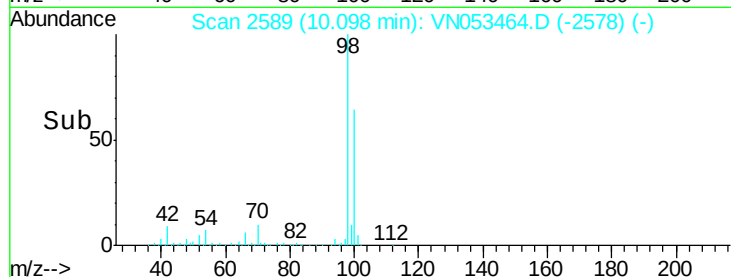
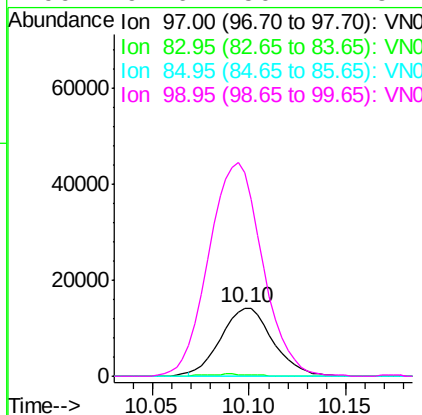
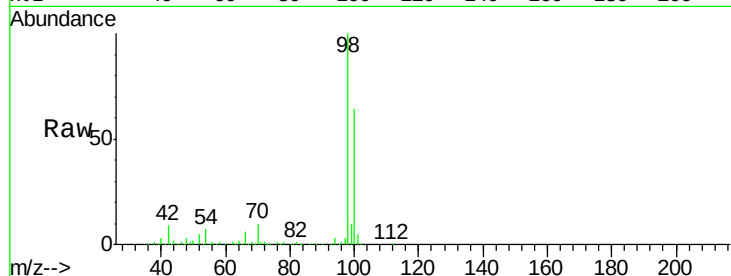




#50
1,1,2-Trichloroethane
Concen: 3.712 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.46 min
Lab File: VN053464.D
Acq: 18 Jan 2019 11:20

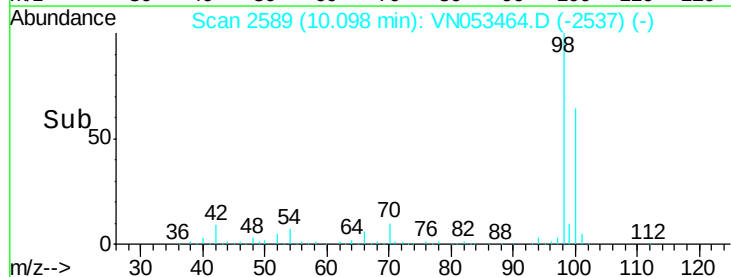
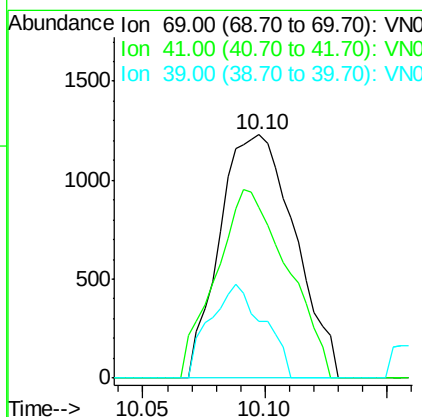
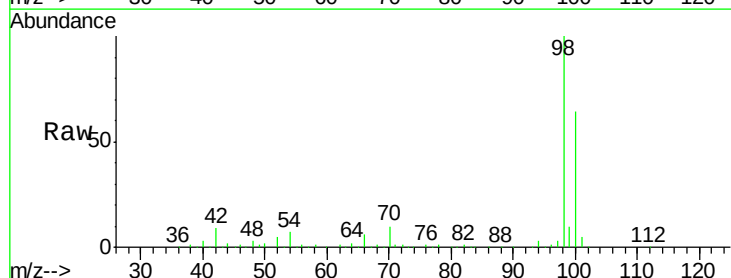
Instrument :
MSVOA_N
ClientSampleId :
CLOVER-YARD

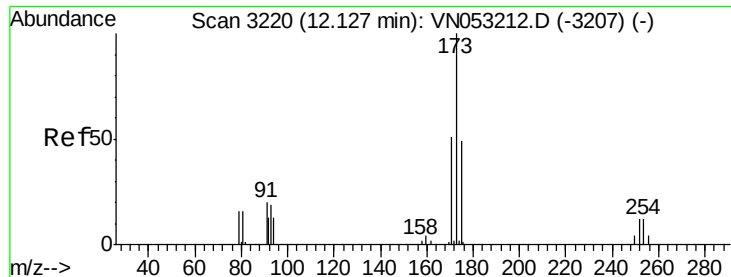
Tot Ion: 97 Resp: 26549
Ion Ratio Lower Upper
97 100
83 2.5 70.4 105.6#
85 0.0 45.0 67.6#
99 297.6 50.2 75.2#



#51
Ethyl methacrylate
Concen: 0.281 ug/l
RT: 10.10 min Scan# 2589
Delta R.T. -0.33 min
Lab File: VN053464.D
Acq: 18 Jan 2019 11:20

Tgt Ion: 69 Resp: 2618
Ion Ratio Lower Upper
69 100
41 69.9 34.4 103.3
39 23.2 16.4 49.2

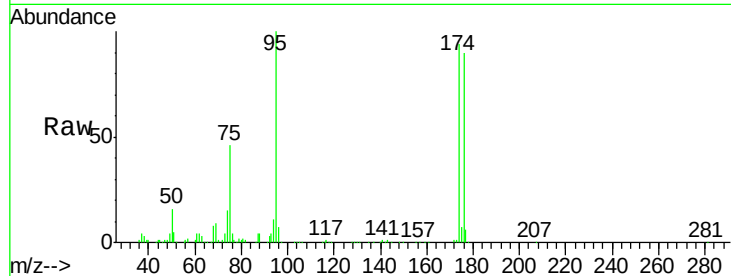




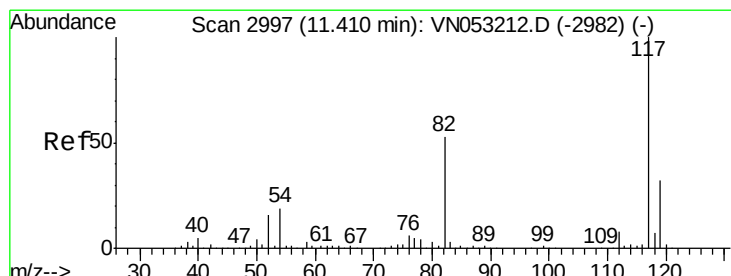
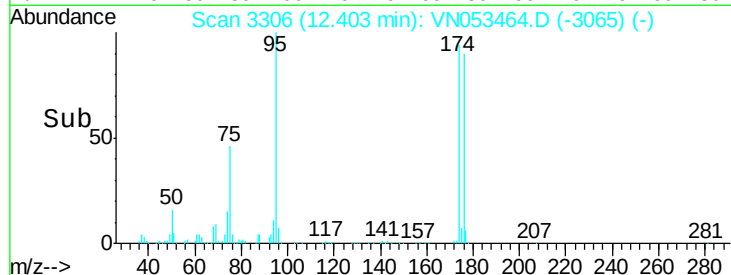
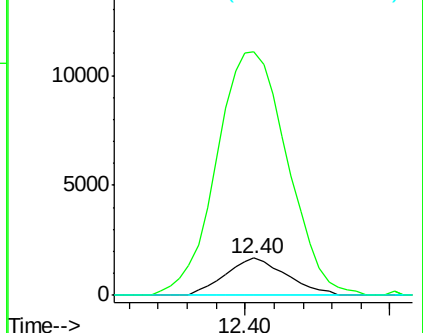
#56
Bromoform
Concen: 0.451 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053464.D
Acq: 18 Jan 2019 11:20

Instrument :
MSVOA_N
ClientSampled :
CLOVER-YARD

Tot Ion:173 Resp: 2480
Ion Ratio Lower Upper
173 100
175 756.4 38.7 58.1#
254 0.0 8.4 12.6#

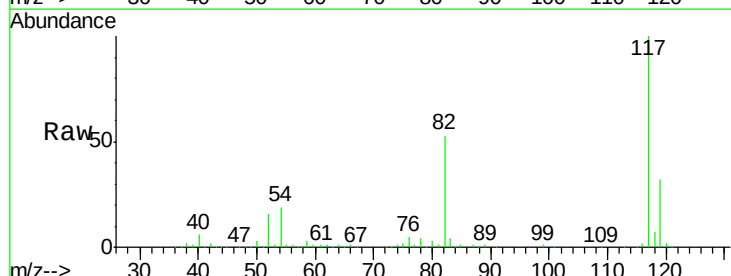


Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V

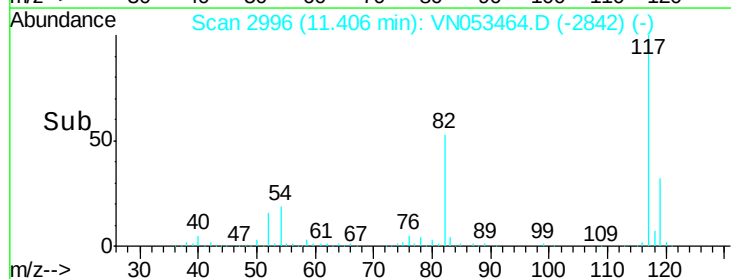
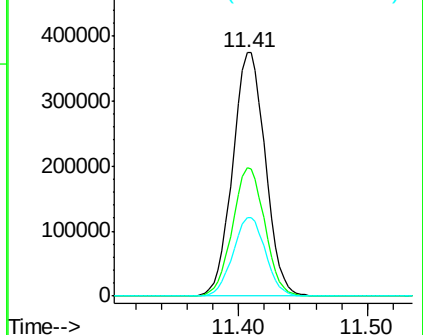


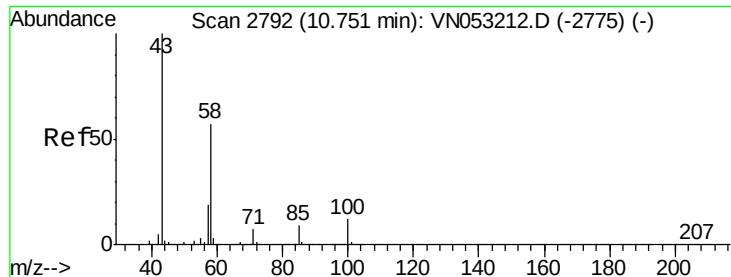
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053464.D
Acq: 18 Jan 2019 11:20

Tgt Ion:117 Resp: 657046
Ion Ratio Lower Upper
117 100
82 52.4 44.2 66.2
119 32.2 25.4 38.2



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

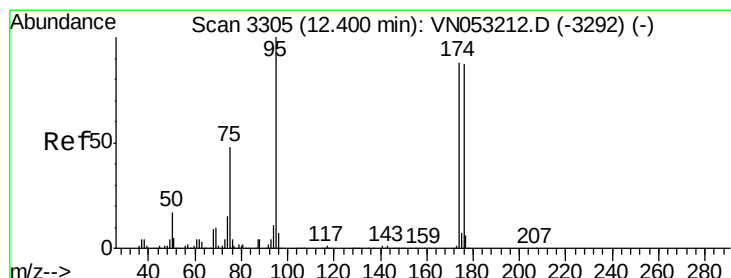
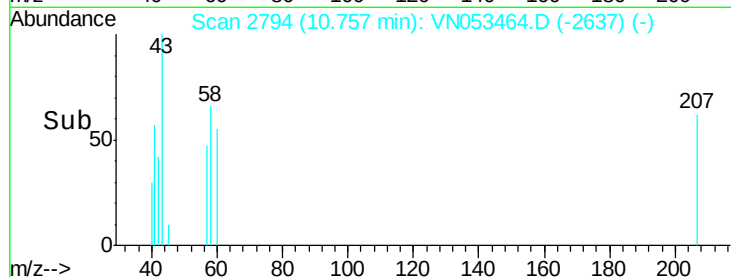
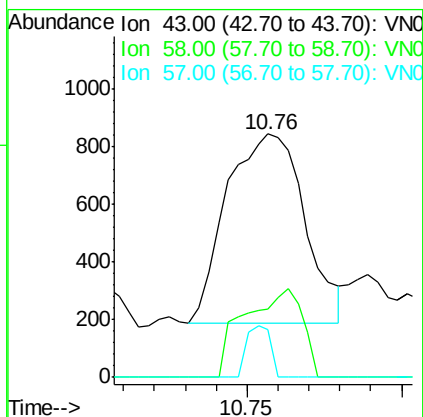
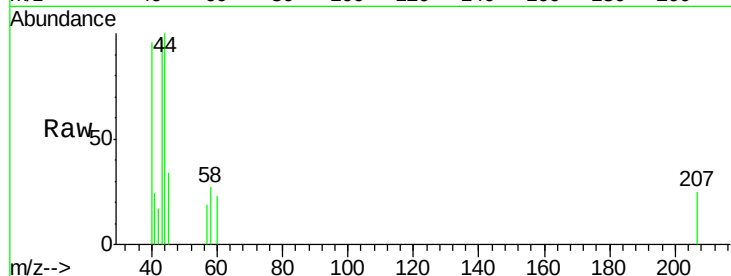




#59
2-Hexanone
Concen: 0.266 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN053464.D
Acq: 18 Jan 2019 11:20

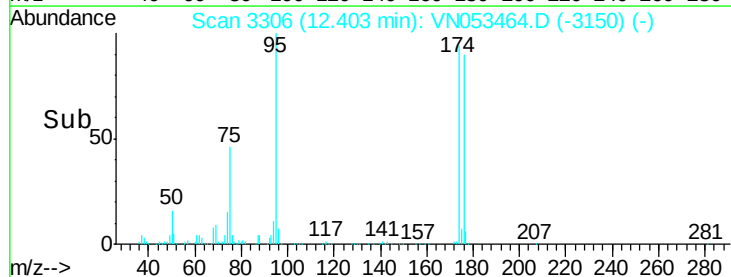
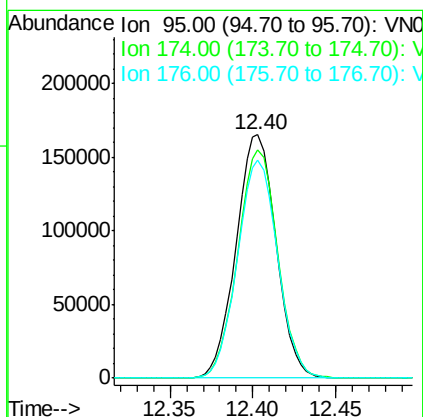
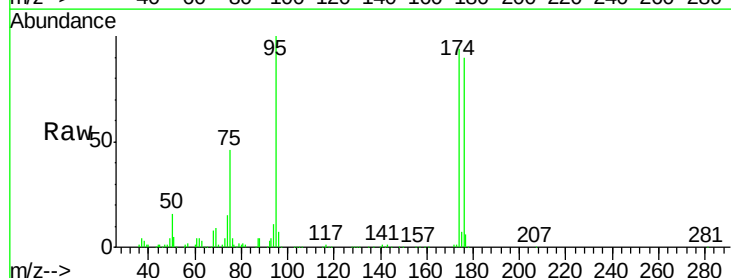
Instrument :
MSVOA_N
ClientSampleId :
CLOVER-YARD

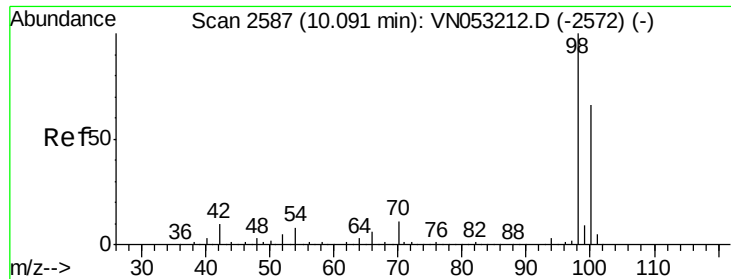
Tot Ion: 43 Resp: 1151
Ion Ratio Lower Upper
43 100
58 35.2 43.2 64.8#
57 8.4 14.9 22.3#



#60
4-Bromofluorobenzene
Concen: 0.266 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053464.D
Acq: 18 Jan 2019 11:20

Tgt Ion: 95 Resp: 277010
Ion Ratio Lower Upper
95 100
174 93.8 67.9 101.9
176 90.1 66.4 99.6





#63

Toluene-d8

Concen: Below ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053464.D

Acq: 18 Jan 2019 11:20

Instrument :

MSVOA_N

ClientSampled :

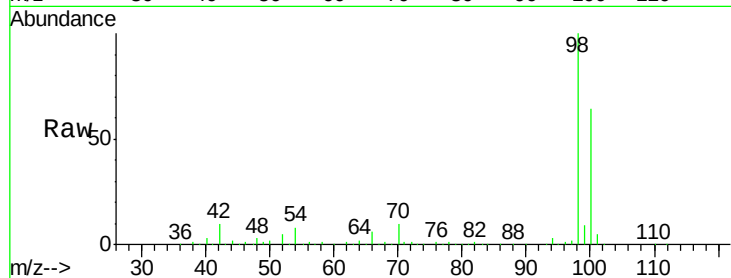
CLOVER-YARD

Tot Ion: 98 Resp: 871227

Ion Ratio Lower Upper

98 100

100 63.9 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN053212.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN053212.D (-2572) (-)

10.09

500000

400000

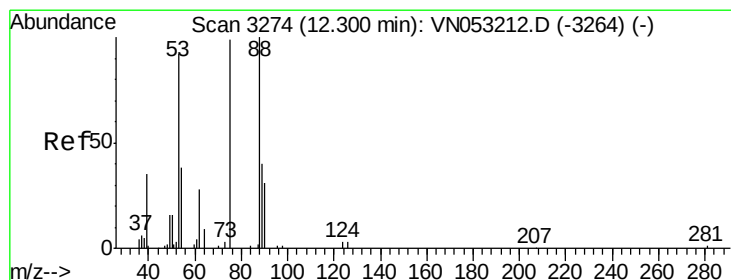
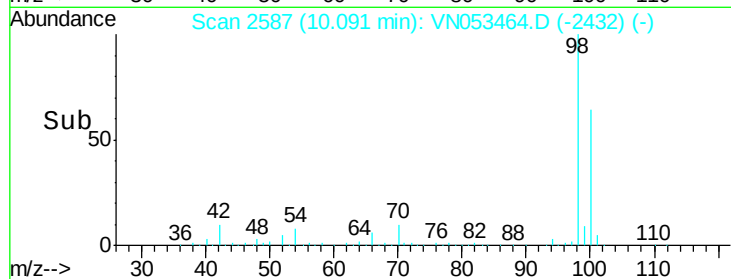
300000

200000

100000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 51.779 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053464.D

Acq: 18 Jan 2019 11:20

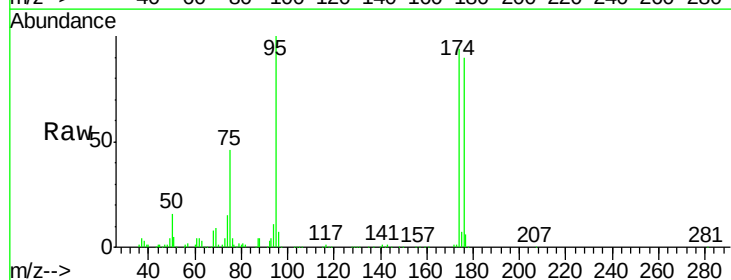
Tgt Ion: 75 Resp: 126372

Ion Ratio Lower Upper

75 100

53 0.0 48.5 145.6#

89 0.0 21.7 65.1#



Abundance Ion 75.00 (74.70 to 75.70): VN053212.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053212.D (-3264) (-)

Ion 89.00 (88.70 to 89.70): VN053212.D (-3264) (-)

12.40

100000

80000

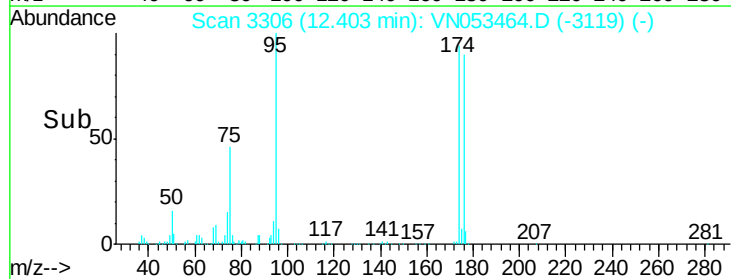
60000

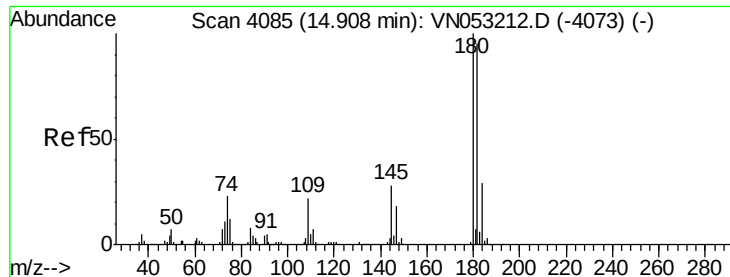
40000

20000

0

Time-->

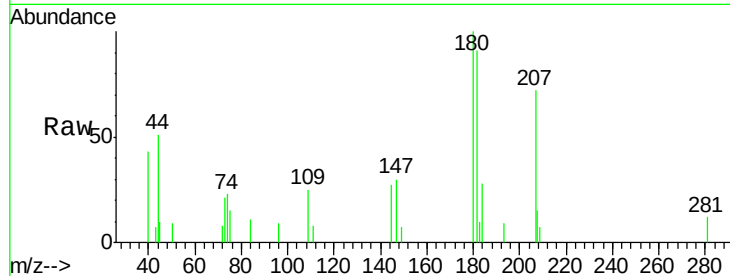




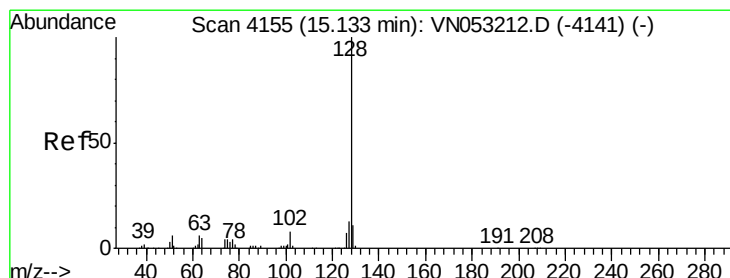
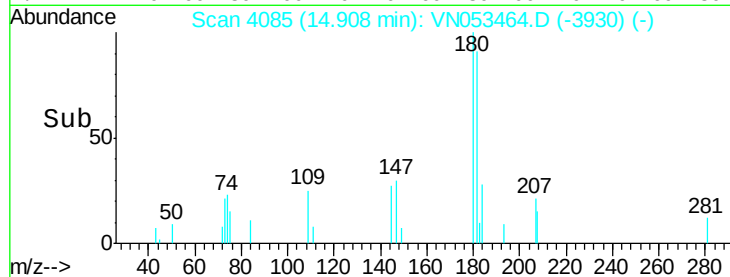
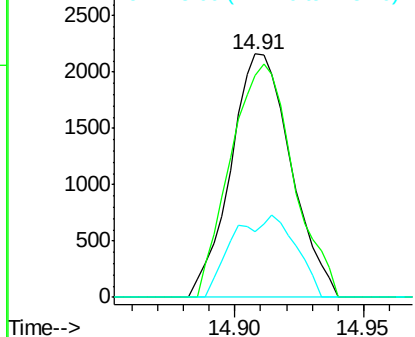
#89
 1,2,4-Trichlorobenzene
 Concen: 0.472 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053464.D
 Acq: 18 Jan 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 CLOVER-YARD

Tot Ion:180 Resp: 3511
 Ion Ratio Lower Upper
 180 100
 182 99.9 76.6 114.8
 145 19.7 23.6 35.4#

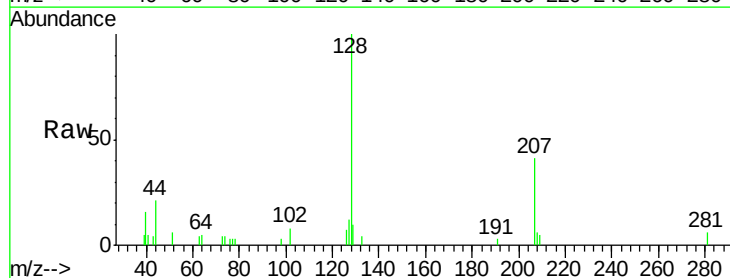


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

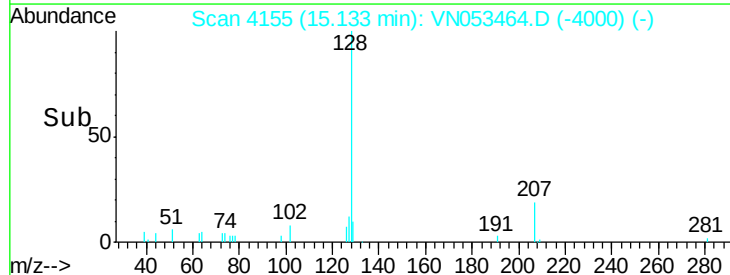
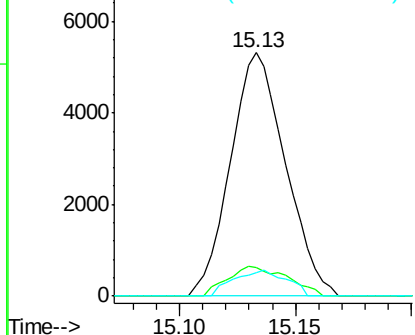


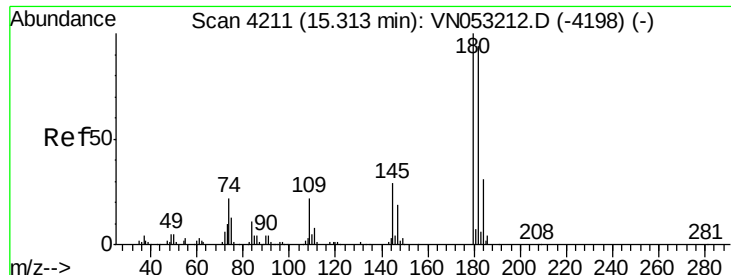
#91
 Naphthalene
 Concen: 0.554 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN053464.D
 Acq: 18 Jan 2019 11:20

Tgt Ion:128 Resp: 8741
 Ion Ratio Lower Upper
 128 100
 127 9.1 9.9 14.9#
 129 10.3 8.5 12.7



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

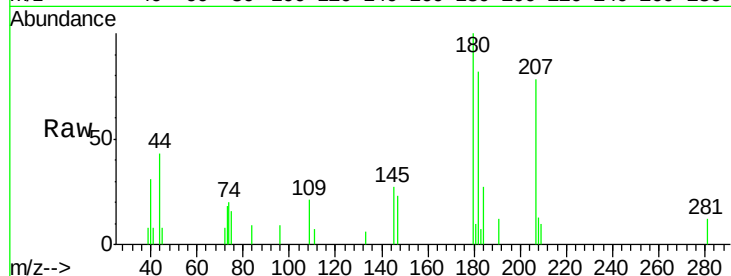




#92
 1,2,3-Trichlorobenzene
 Concen: 0.650 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053464.D
 Acq: 18 Jan 2019 11:20

Instrument :
 MSVOA_N
 ClientSampleId :
 CLOVER-YARD

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	0.0	196.2
145	22.2	0.0	62.2



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

