

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN010719\
 Data File : VN053296.D
 Acq On : 7 Jan 2019 11:27
 Operator : MD\SY
 Sample : K1059-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 BUR-COMP-1

Quant Time: Jan 08 01:22:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N010519W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 07 09:34:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1004760	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1548191	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1452120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	638796	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	498012	47.64	ug/l	0.00
Spiked Amount			Recovery	=	95.28%	
35) Dibromofluoromethane	7.59	113	455163	51.64	ug/l	0.00
Spiked Amount			Recovery	=	103.28%	
50) Toluene-d8	10.09	98	1924888	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.40	95	677864	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	

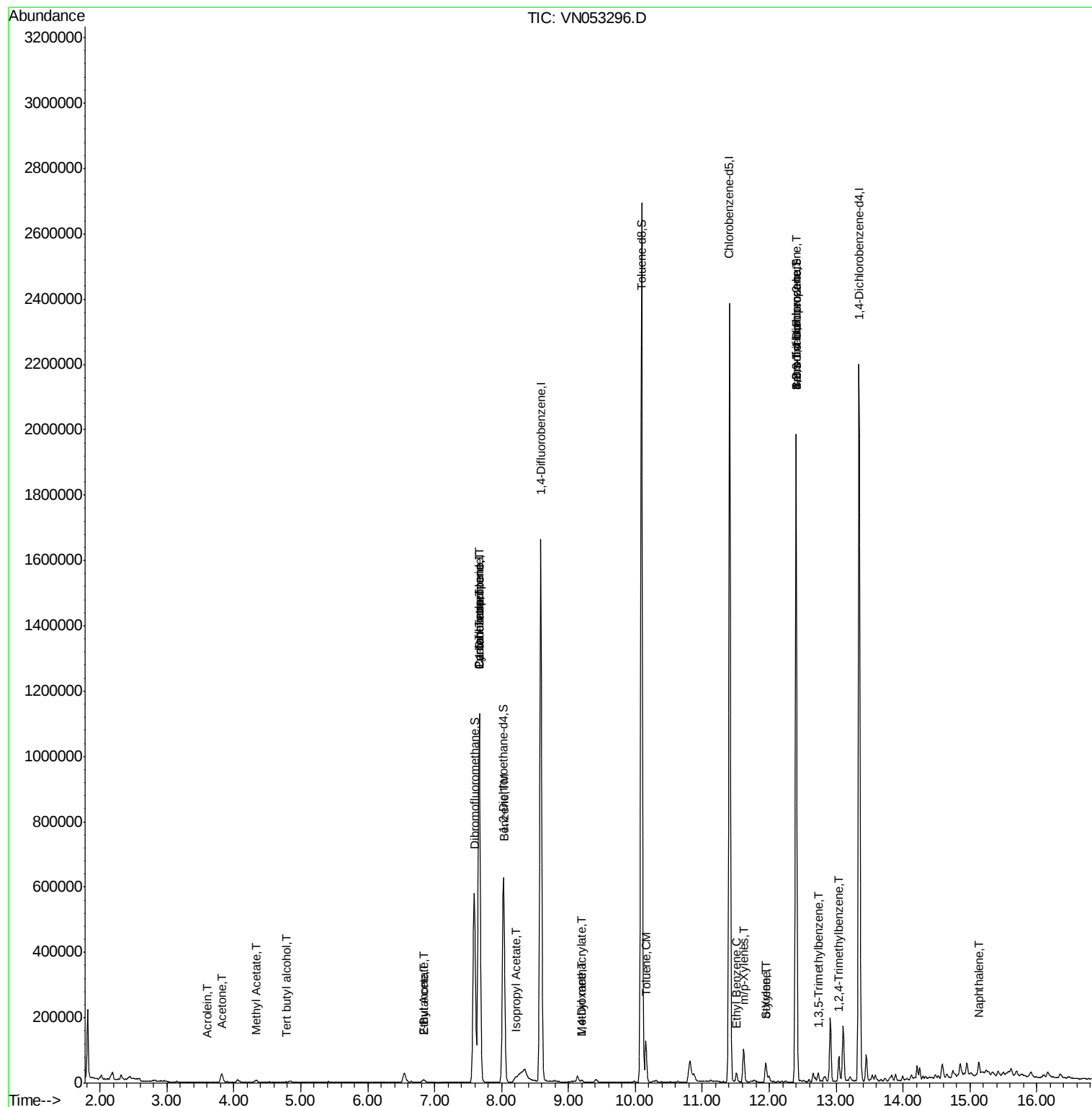
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	5053	8.037	ug/l #	75
13) Acrolein	3.60	56	498	0.630	ug/l #	37
16) Acetone	3.82	43	47789	16.912	ug/l	99
18) Methyl Acetate	4.33	43	15586	1.647	ug/l #	89
25) 2-Butanone	6.84	43	12345	2.879	ug/l	100
31) Cyclohexane	7.66	56	16410	0.728	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	64378	4.454	ug/l #	48
37) Ethyl Acetate	6.84	43	12345	1.311	ug/l #	67
38) Carbon Tetrachloride	7.67	117	85187	6.386	ug/l #	16
40) Benzene	8.04	78	60820	1.378	ug/l	99
43) Isopropyl Acetate	8.22	43	14941	0.807	ug/l #	52
48) Methyl methacrylate	9.20	41	2145	0.255	ug/l #	64
49) 1,4-Dioxane	9.21	88	676	7.541	ug/l #	75
52) Toluene	10.16	92	55587	2.052	ug/l	99
67) Ethyl Benzene	11.51	91	19472	0.363	ug/l	98
68) m/p-Xylenes	11.62	106	32460	1.610	ug/l	98
69) o-Xylene	11.95	106	13696	0.694	ug/l	95
70) Styrene	11.96	104	9649	0.300	ug/l	91
71) Bromoform	12.40	173	4126	0.529	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	313296	33.626	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	13591	0.355	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	313296	98.932	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.04	105	43888	1.125	ug/l	99
95) Naphthalene	15.13	128	35704	3.179	ug/l	97

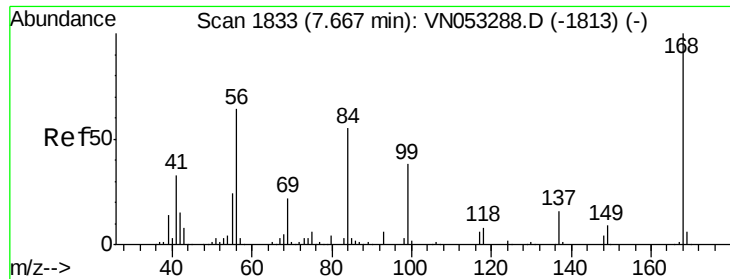
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Jan 07 09:34:27 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

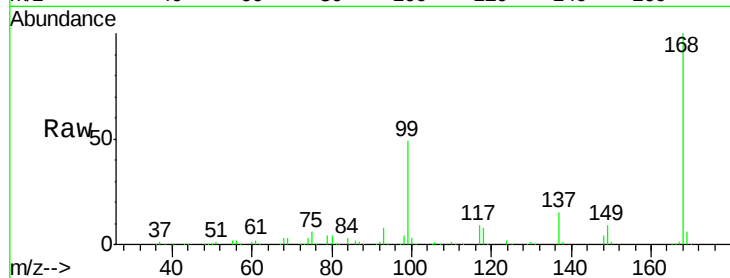
BUR-COMP-1

Tot Ion:168 Resp: 1004760

Ion Ratio Lower Upper

168 100

99 49.5 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

400000

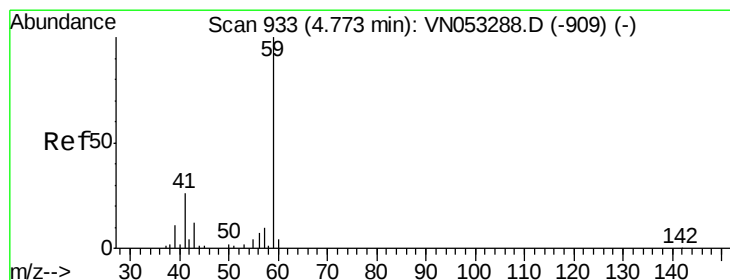
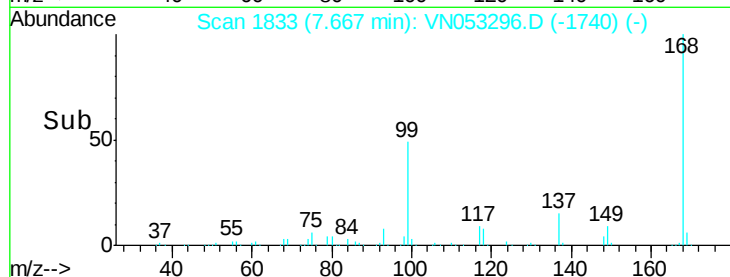
300000

200000

100000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.037 ug/l

RT: 4.78 min Scan# 936

Delta R.T. 0.01 min

Lab File: VN053296.D

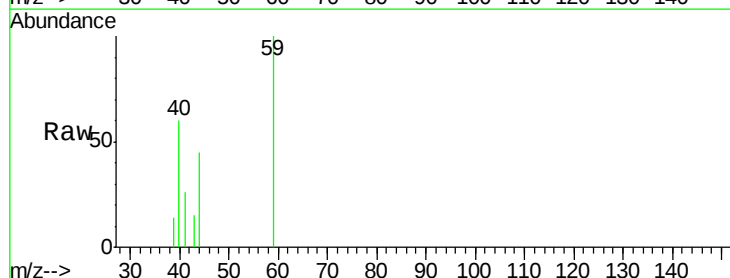
Acq: 7 Jan 2019 11:27

Tgt Ion: 59 Resp: 5053

Ion Ratio Lower Upper

59 100

57 0.6 8.0 12.0#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.78

2000

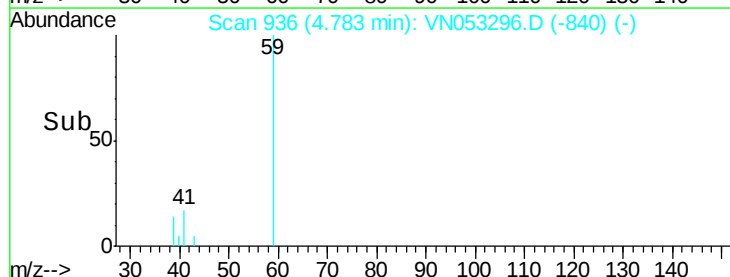
1500

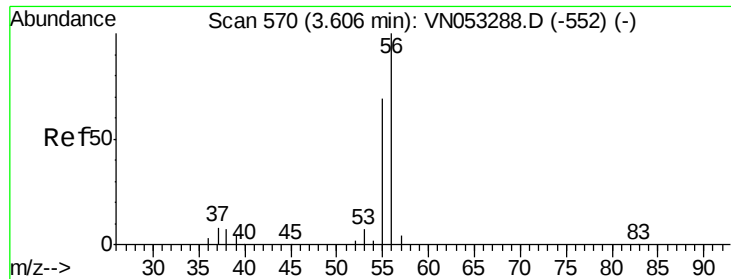
1000

500

0

Time-->





#13

Acrolein

Concen: 0.630 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

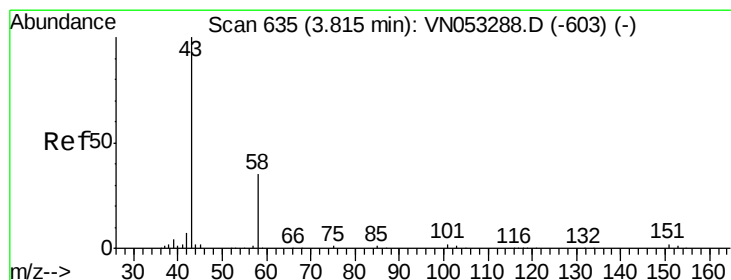
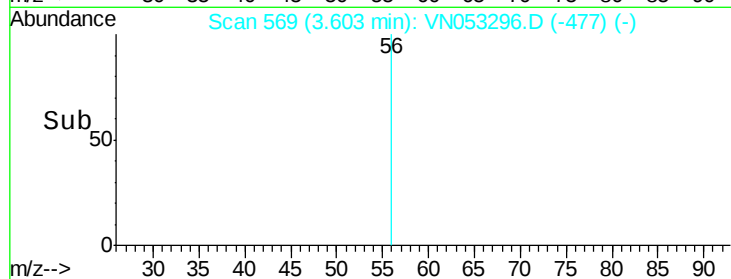
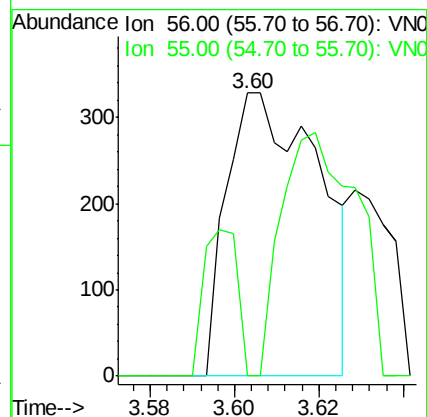
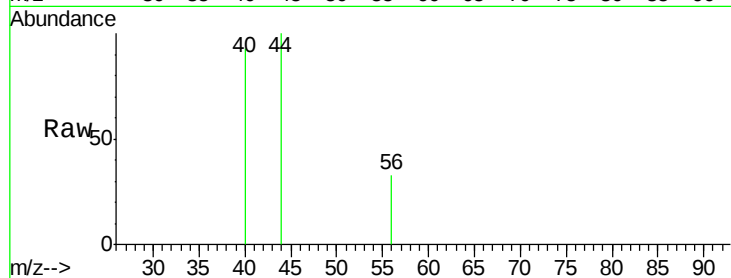
BUR-COMP-1

Tot Ion: 56 Resp: 498

Ion Ratio Lower Upper

56 100

55 18.9 56.3 84.5#



#16

Acetone

Concen: 16.912 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN053296.D

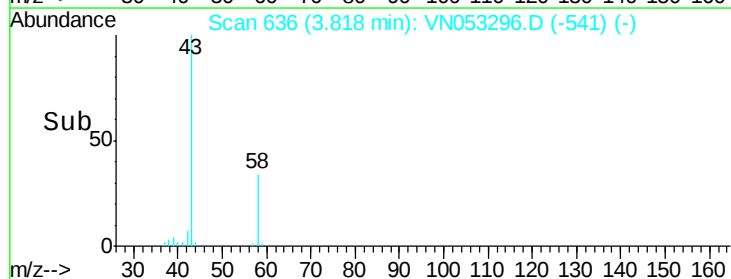
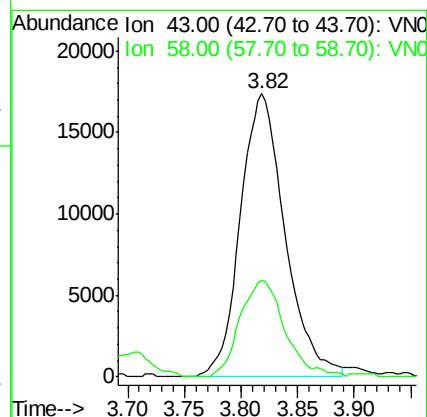
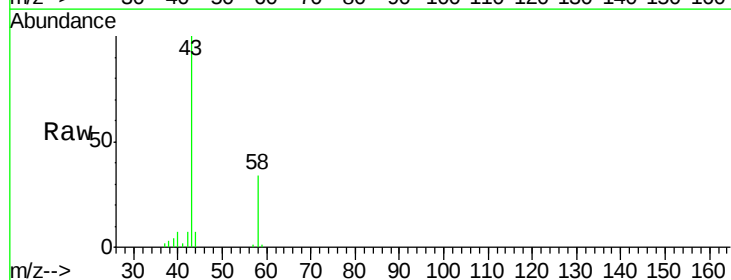
Acq: 7 Jan 2019 11:27

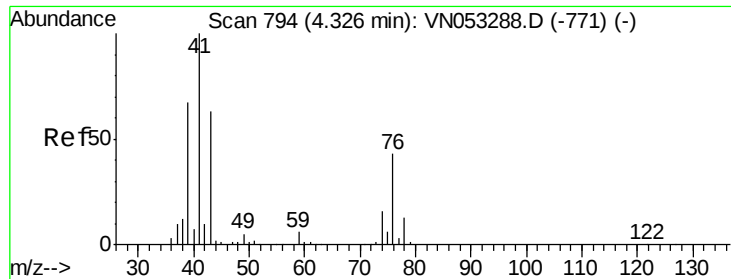
Tgt Ion: 43 Resp: 47789

Ion Ratio Lower Upper

43 100

58 34.0 27.8 41.6

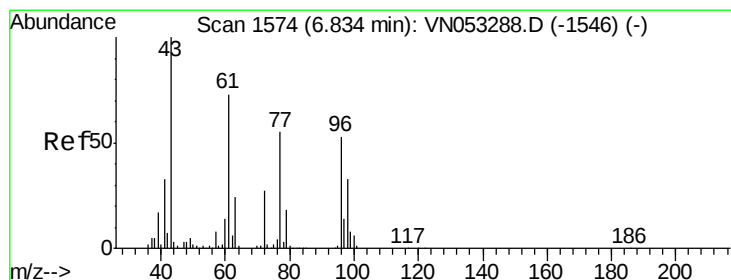
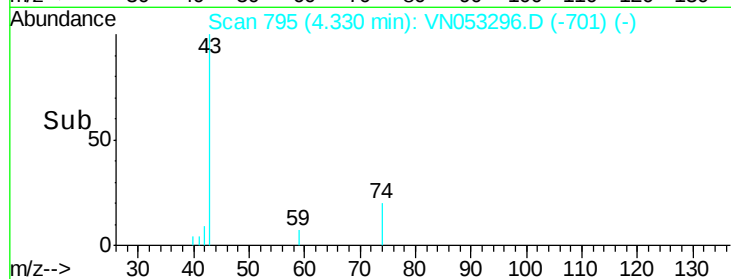
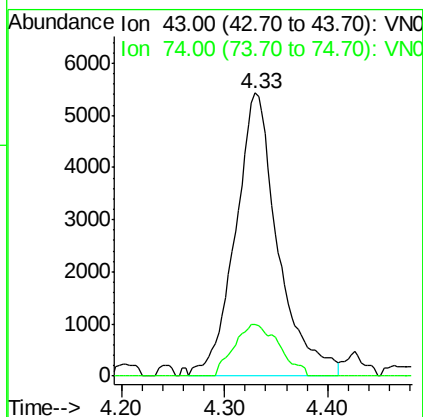
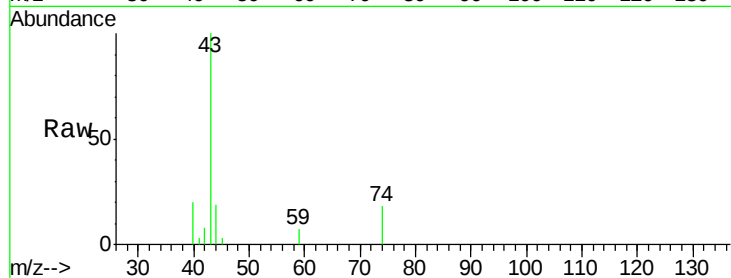




#18
Methyl Acetate
Concen: 1.647 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053296.D
Acq: 7 Jan 2019 11:27

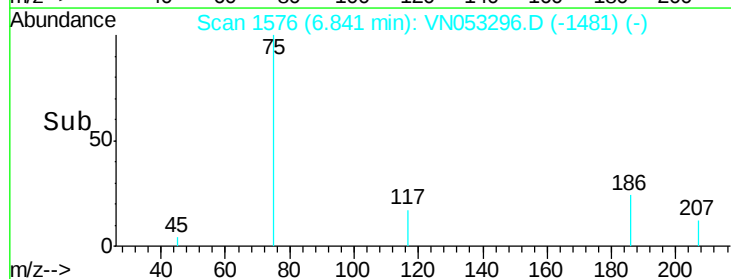
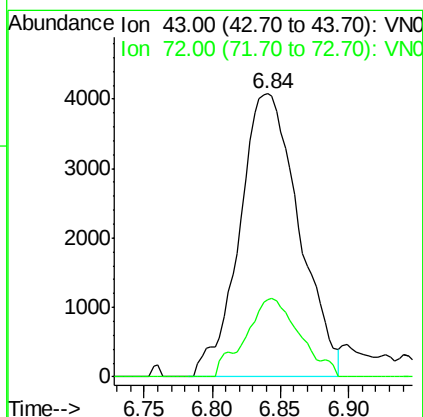
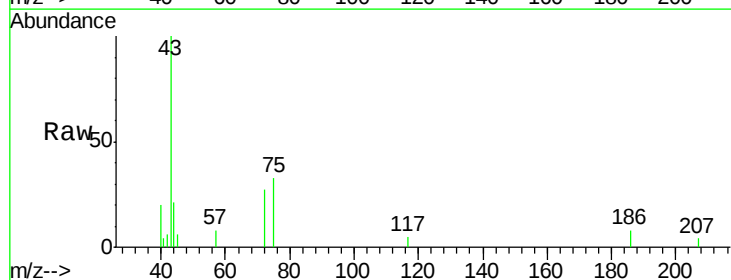
Instrument :
MSVOA_N
ClientSampled :
BUR-COMP-1

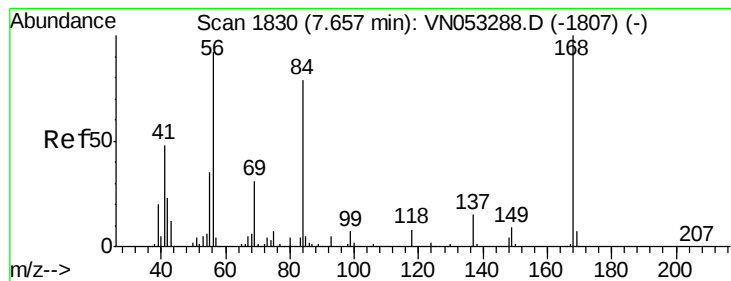
Tot Ion: 43 Resp: 15586
Ion Ratio Lower Upper
43 100
74 19.4 19.8 29.8#



#25
2-Butanone
Concen: 2.879 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.01 min
Lab File: VN053296.D
Acq: 7 Jan 2019 11:27

Tgt Ion: 43 Resp: 12345
Ion Ratio Lower Upper
43 100
72 27.4 22.0 33.0





#31

Cvclohexane

Concen: 0.728 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

BUR-COMP-1

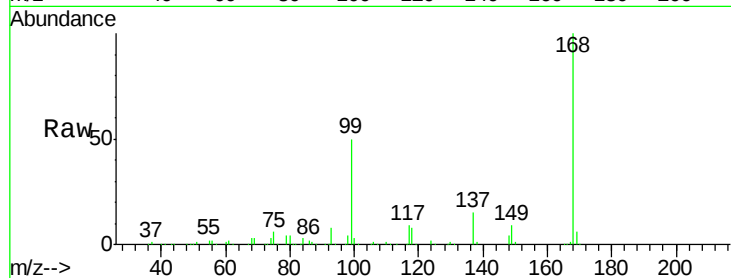
Tot Ion: 56 Resp: 16410

Ion Ratio Lower Upper

56 100

69 181.0 26.7 40.1#

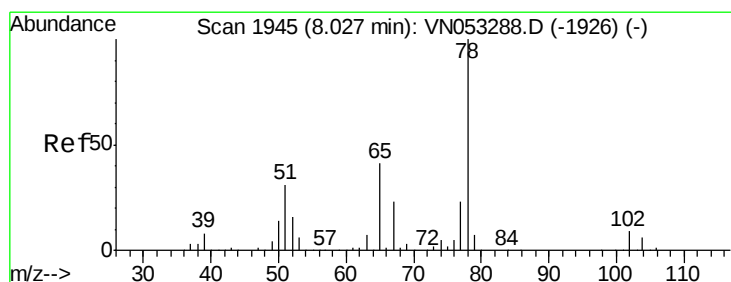
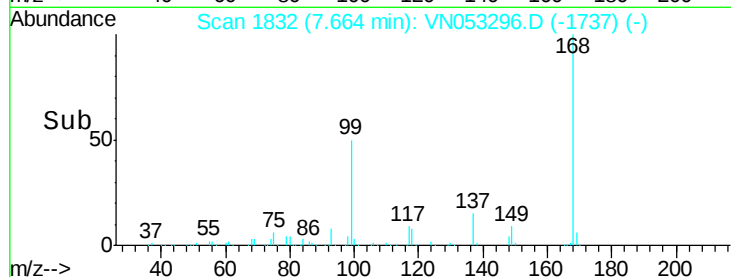
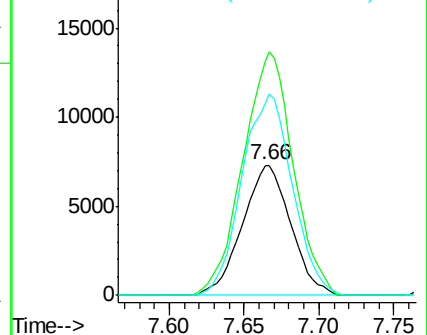
84 148.8 68.2 102.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053296.D

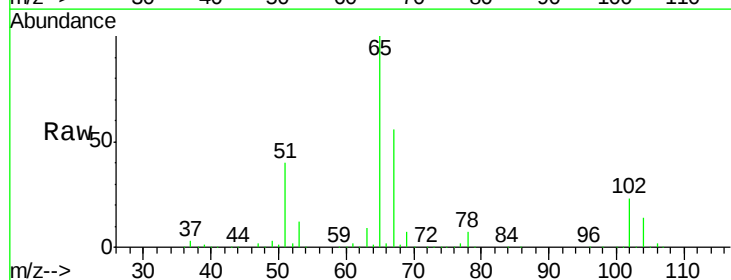
Acq: 7 Jan 2019 11:27

Tgt Ion: 65 Resp: 498012

Ion Ratio Lower Upper

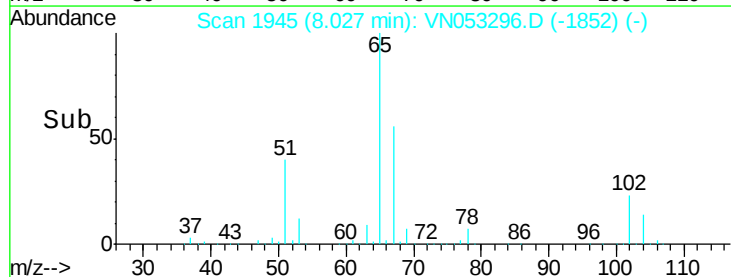
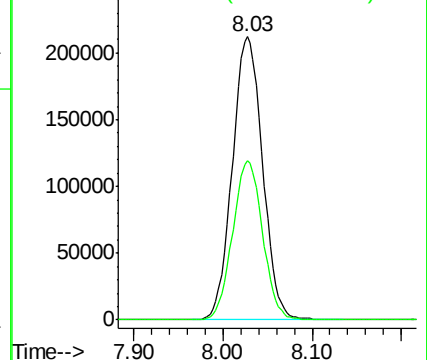
65 100

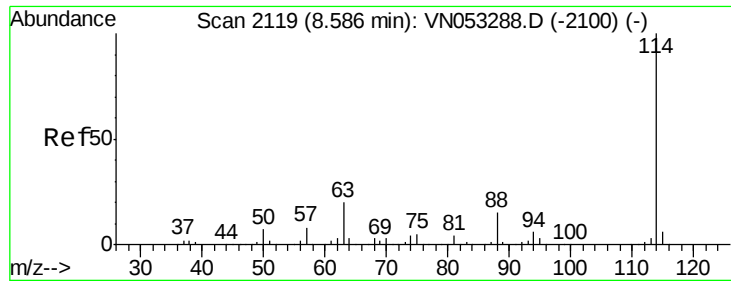
67 55.5 0.0 111.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

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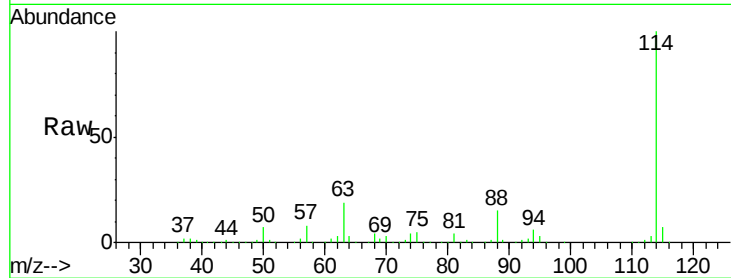
Tot Ion:114 Resp: 1548191

Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.0

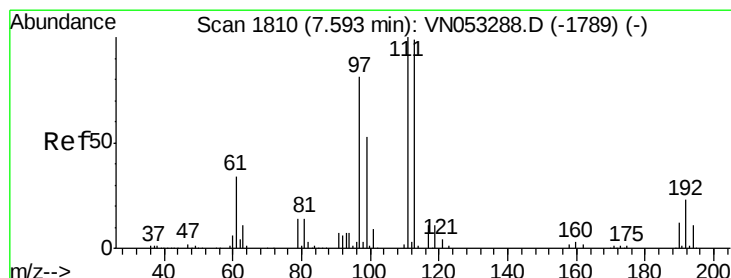
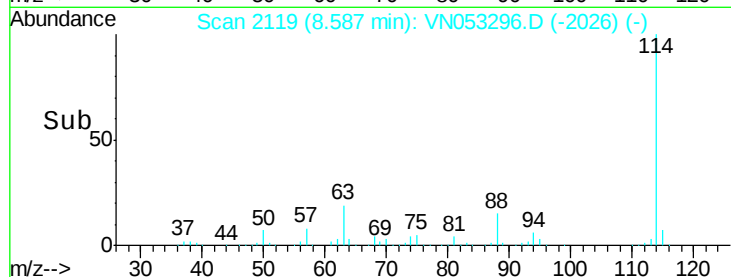
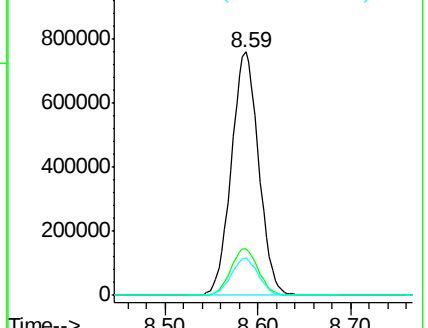
88 15.3 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

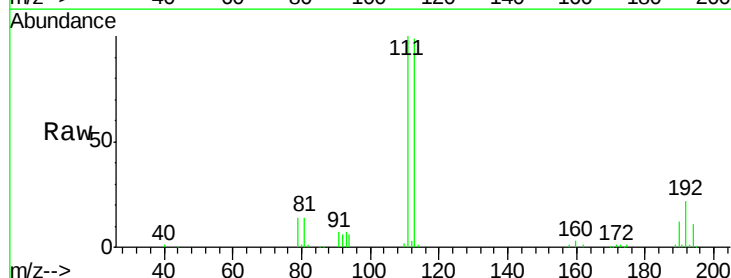
Tgt Ion:113 Resp: 455163

Ion Ratio Lower Upper

113 100

111 101.4 81.4 122.2

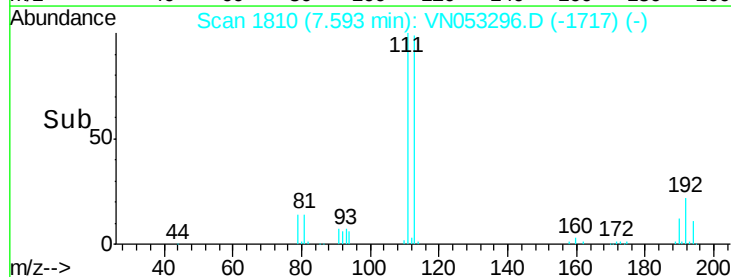
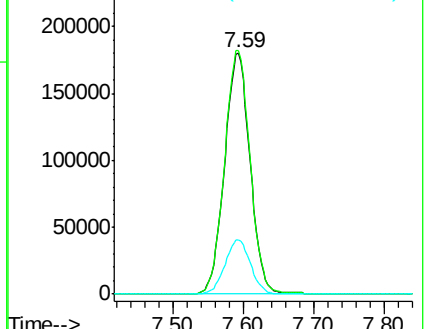
192 22.6 17.9 26.9

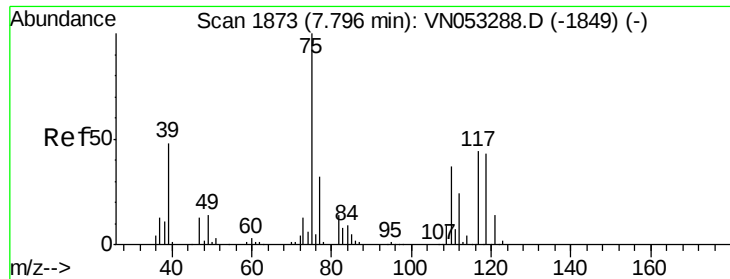


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

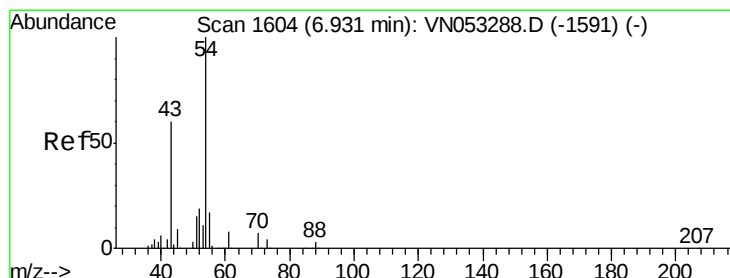
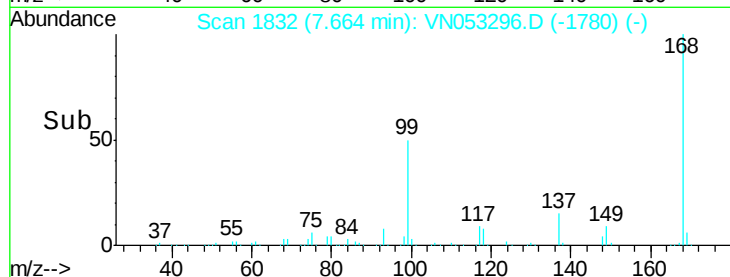
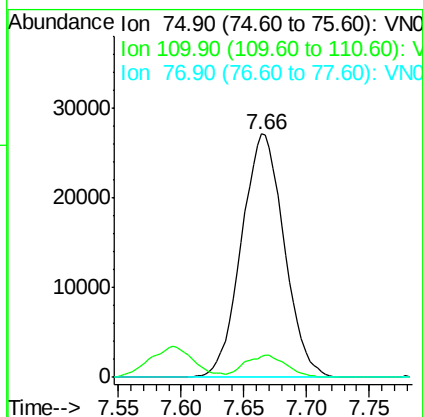
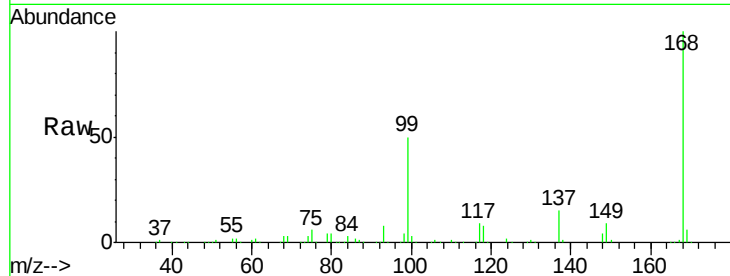




#36
 1,1-Dichloropropene
 Concen: 4.454 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN053296.D
 Acq: 7 Jan 2019 11:27

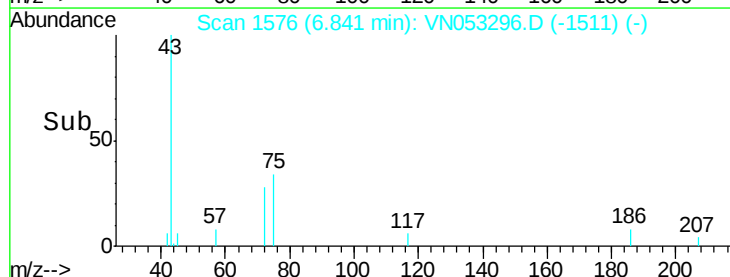
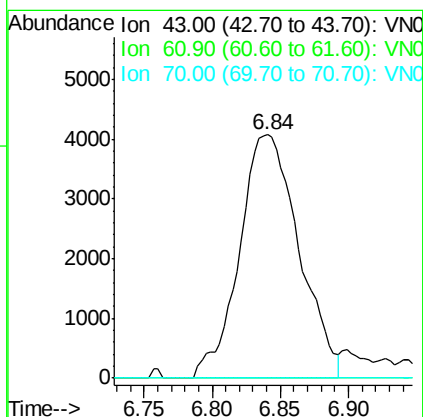
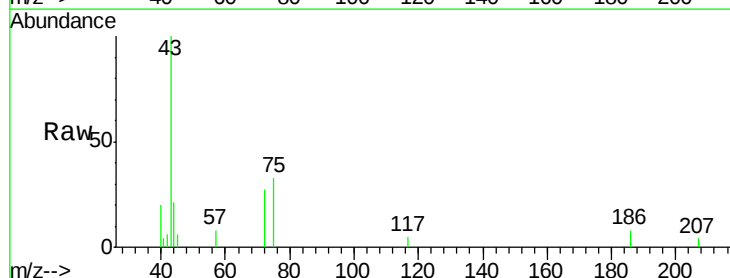
Instrument :
 MSVOA_N
 ClientSampleId :
 BUR-COMP-1

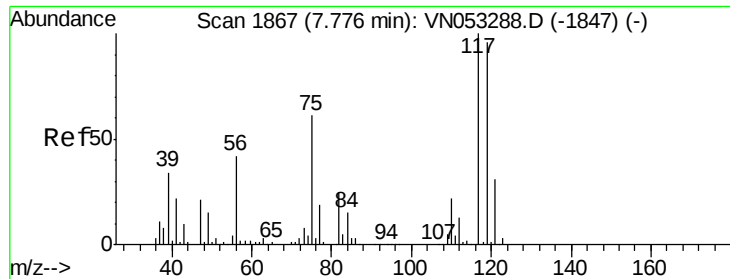
Tot Ion: 75 Resp: 64378
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.4 55.0#
 77 0.0 25.3 37.9#



#37
 Ethyl Acetate
 Concen: 1.311 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.09 min
 Lab File: VN053296.D
 Acq: 7 Jan 2019 11:27

Tgt Ion: 43 Resp: 12345
 Ion Ratio Lower Upper
 43 100
 61 0.0 11.9 17.9#
 70 0.0 8.6 13.0#

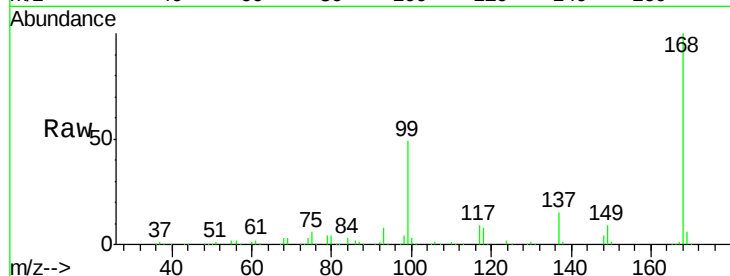




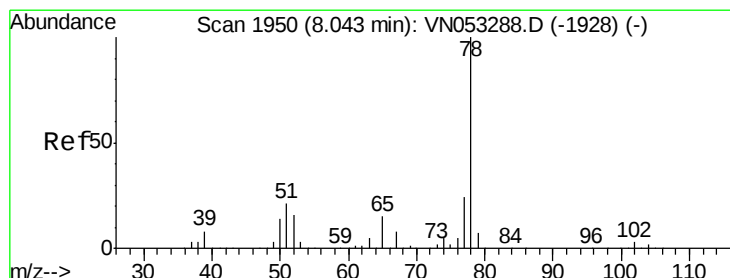
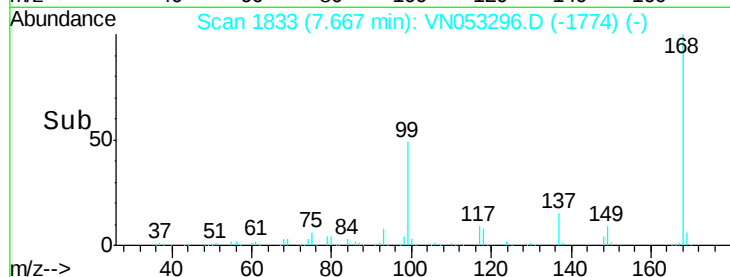
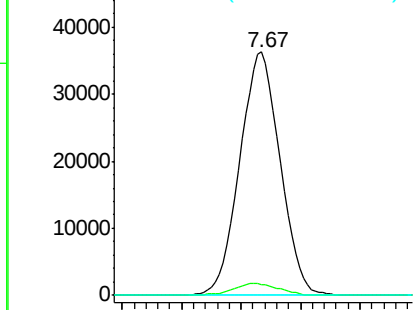
#38
Carbon Tetrachloride
Concen: 6.386 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. -0.11 min
Lab File: VN053296.D
Acq: 7 Jan 2019 11:27

Instrument :
MSVOA_N
ClientSampleId :
BUR-COMP-1

Tot Ion: 117 Resp: 85187
Ion Ratio Lower Upper
117 100
119 4.6 76.6 115.0#
121 0.0 25.0 37.4#

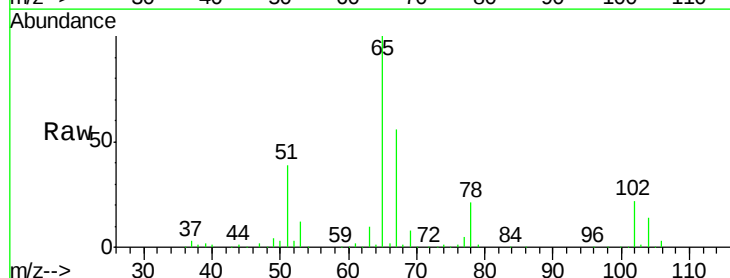


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

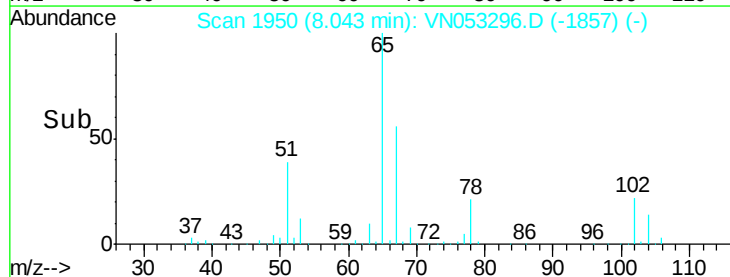
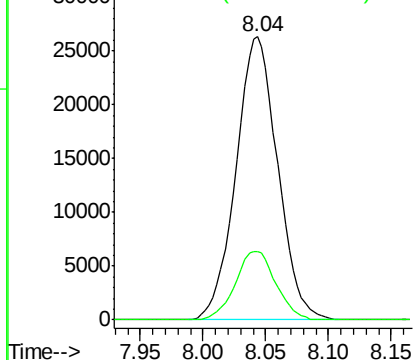


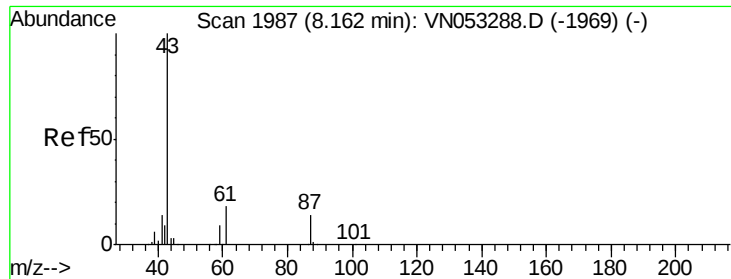
#40
Benzene
Concen: 1.378 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053296.D
Acq: 7 Jan 2019 11:27

Tgt Ion: 78 Resp: 60820
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): V
Ion 77.00 (76.70 to 77.70): V





#43

Isopropyl Acetate

Concen: 0.807 ug/l

RT: 8.22 min Scan# 2004

Delta R.T. 0.05 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

BUR-COMP-1

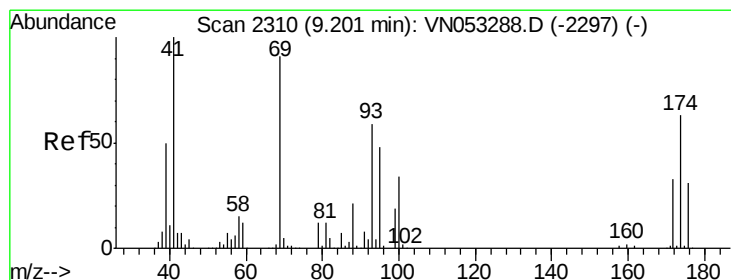
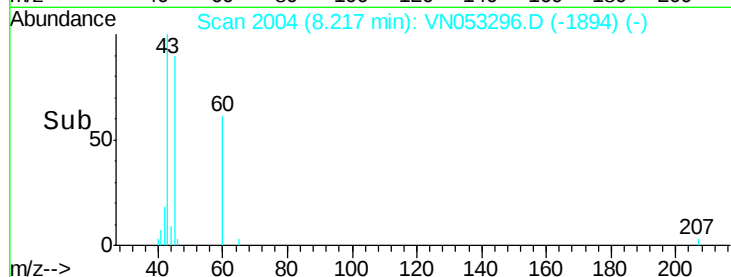
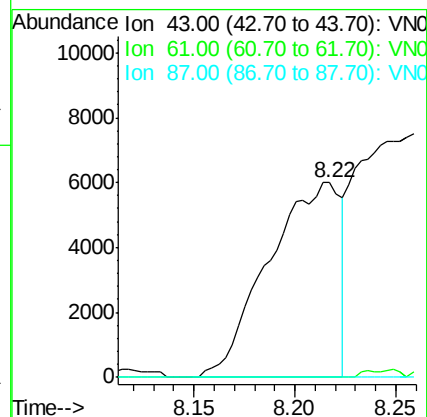
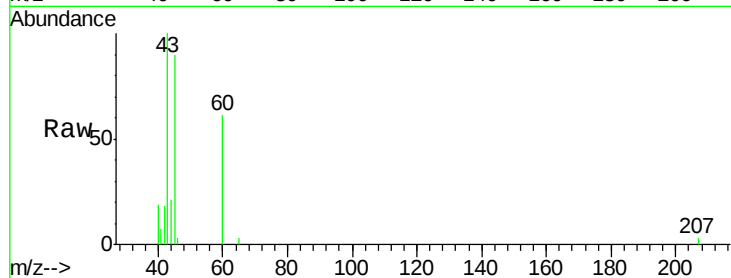
Tot Ion: 43 Resp: 14941

Ion Ratio Lower Upper

43 100

61 0.0 23.3 34.9#

87 0.0 10.8 16.2#



#48

Methyl methacrylate

Concen: 0.255 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

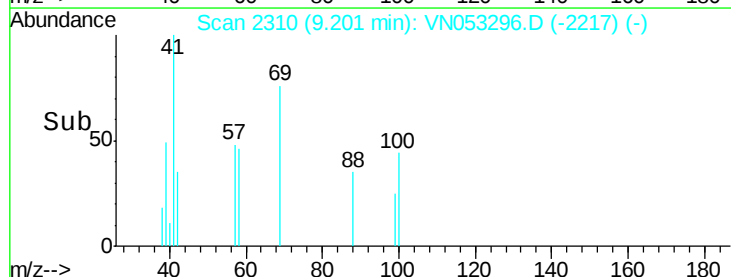
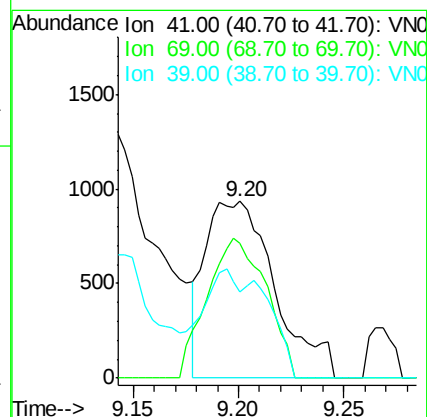
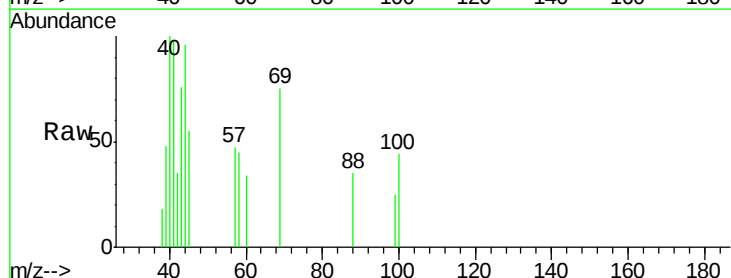
Tgt Ion: 41 Resp: 2145

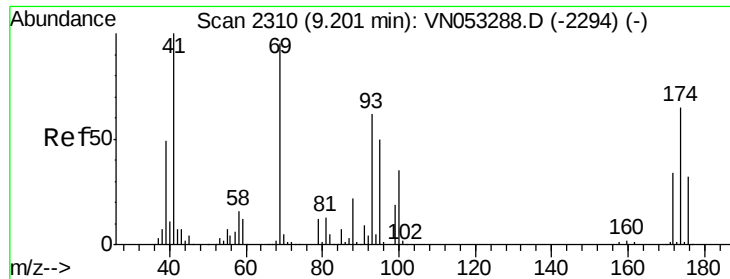
Ion Ratio Lower Upper

41 100

69 67.1 73.5 110.3#

39 14.9 41.6 62.4#





#49

1,4-Dioxane

Concen: 7.541 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

BUR-COMP-1

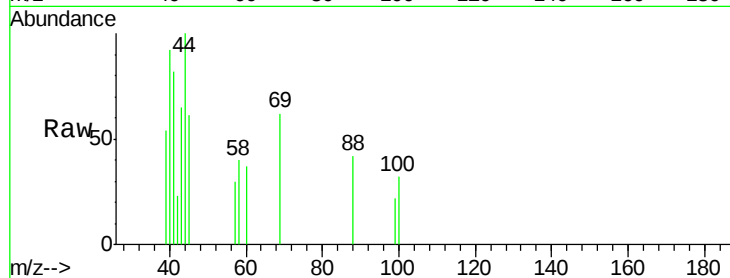
Tot Ion: 88 Resp: 676

Ion Ratio Lower Upper

88 100

43 54.0 26.2 39.4#

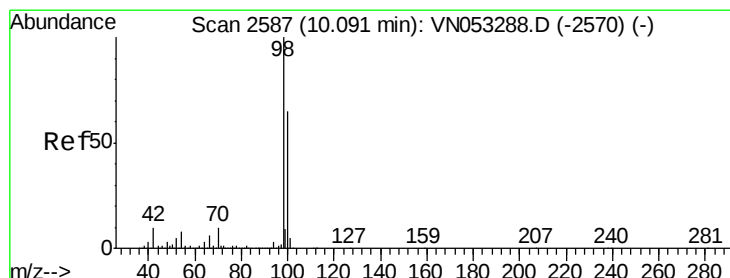
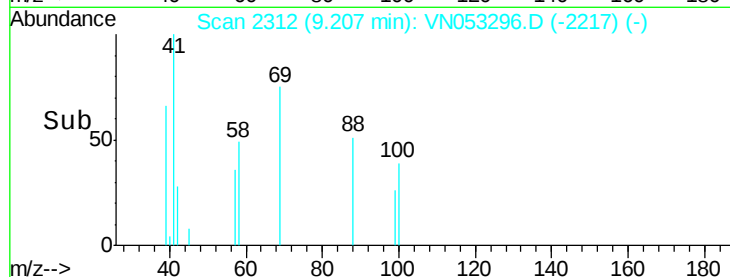
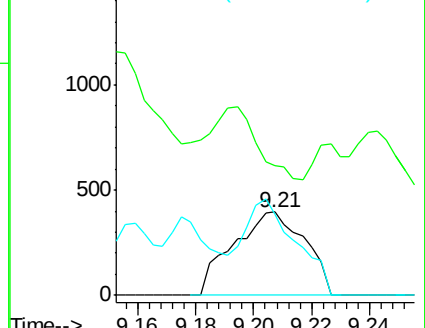
58 84.5 55.5 83.3#



Abundance Ion 88.00 (87.70 to 88.70): VN053296.D (-2217) (-)

Ion 43.00 (42.70 to 43.70): VN053296.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN053296.D (-2217) (-)



#50

Toluene-d8

Concen: 7.541 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053296.D

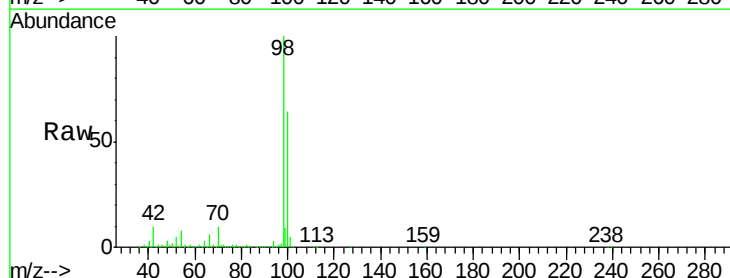
Acq: 7 Jan 2019 11:27

Tgt Ion: 98 Resp: 1924888

Ion Ratio Lower Upper

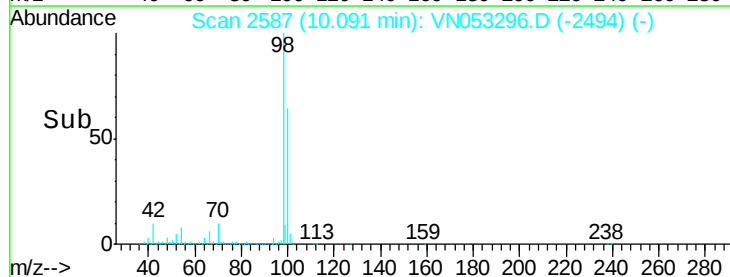
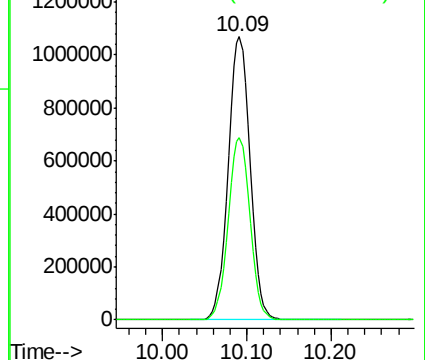
98 100

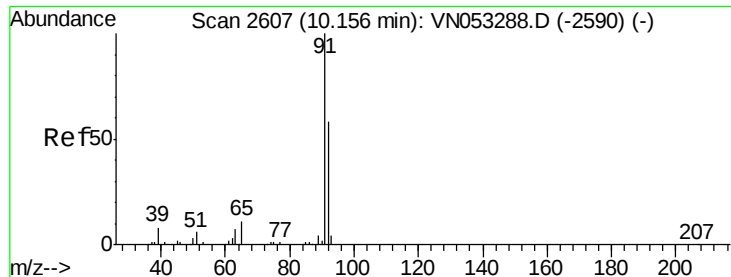
100 64.1 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VN053296.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053296.D (-2494) (-)





#52

Toluene

Concen: 2.052 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

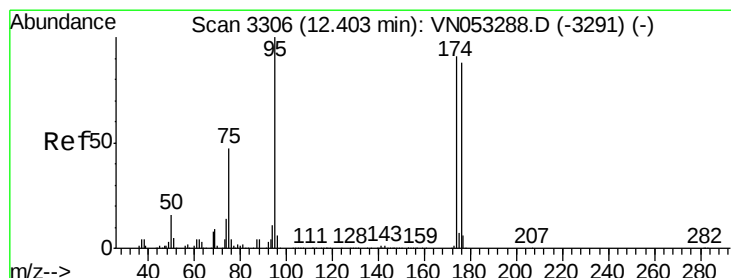
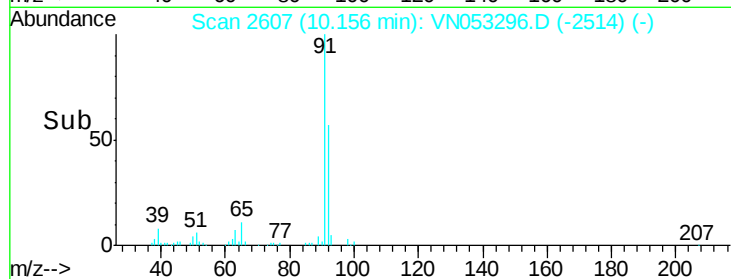
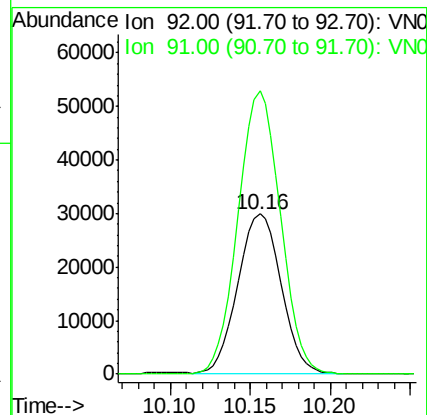
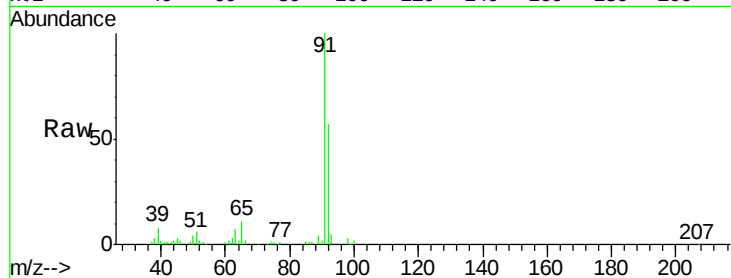
BUR-COMP-1

Tot Ion: 92 Resp: 55587

Ion Ratio Lower Upper

92 100

91 172.2 138.6 208.0



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

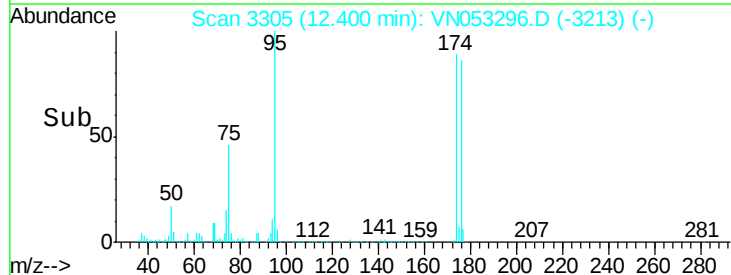
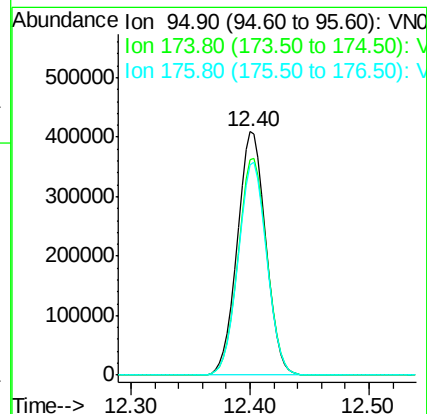
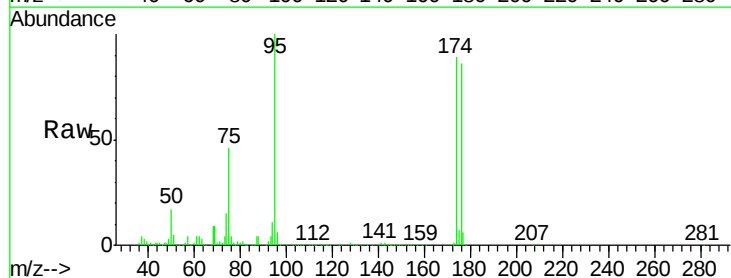
Tgt Ion: 95 Resp: 677864

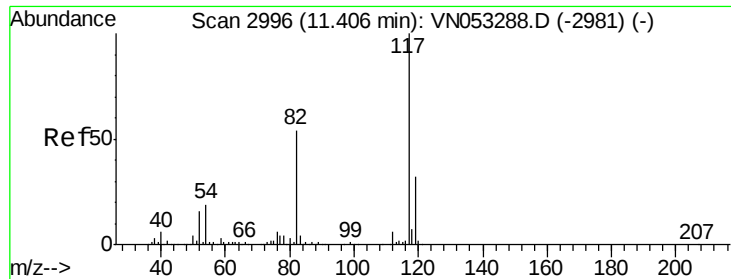
Ion Ratio Lower Upper

95 100

174 89.7 0.0 180.4

176 87.5 0.0 175.6

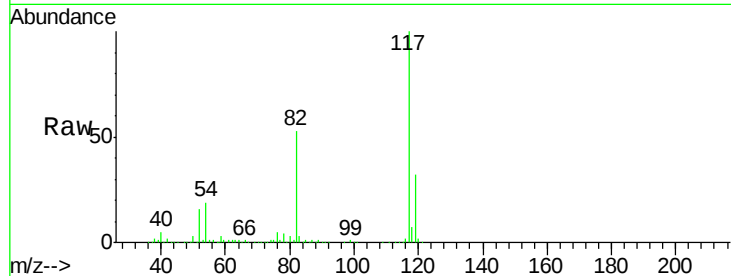




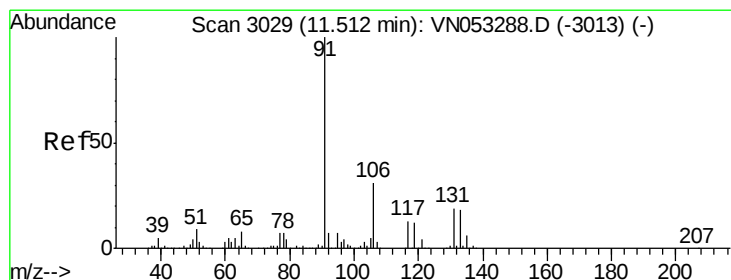
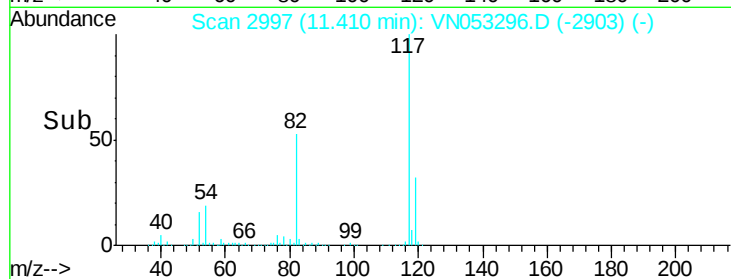
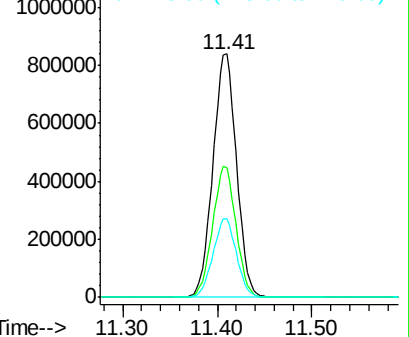
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053296.D
Acq: 7 Jan 2019 11:27

Instrument :
MSVOA_N
ClientSampled :
BUR-COMP-1

Tot Ion:117 Resp: 1452120
Ion Ratio Lower Upper
117 100
82 53.3 42.9 64.3
119 32.2 25.6 38.4

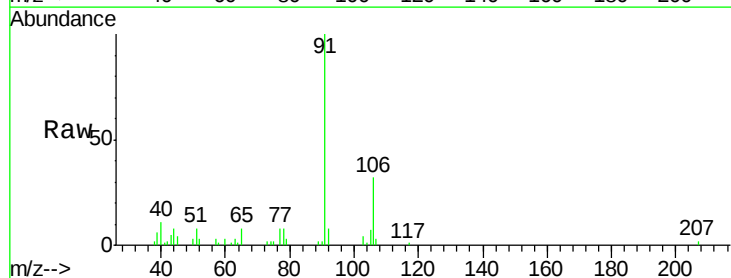


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VNO
Ion 118.90 (118.60 to 119.60): V

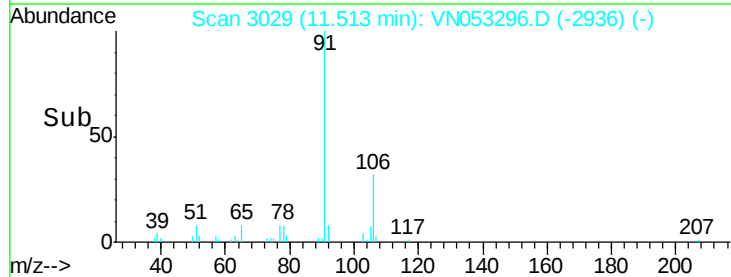
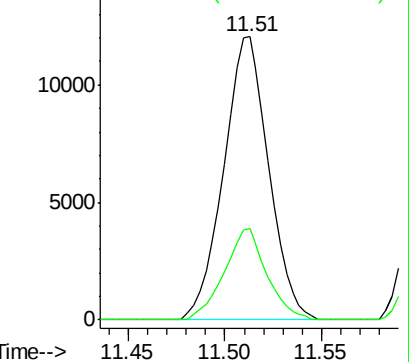


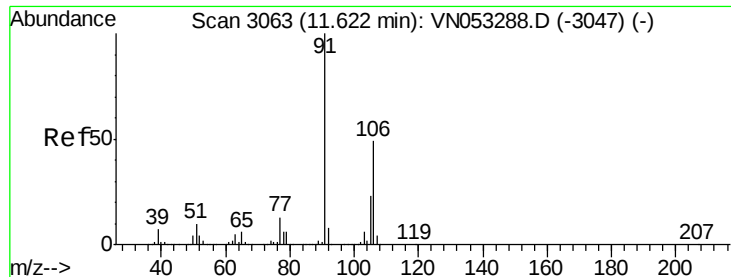
#67
Ethyl Benzene
Concen: 0.363 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN053296.D
Acq: 7 Jan 2019 11:27

Tgt Ion: 91 Resp: 19472
Ion Ratio Lower Upper
91 100
106 32.4 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 106.00 (105.70 to 106.70): V

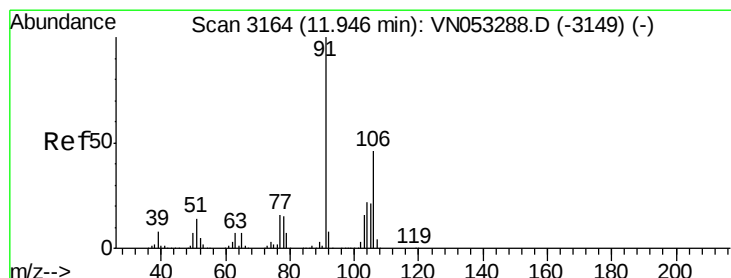
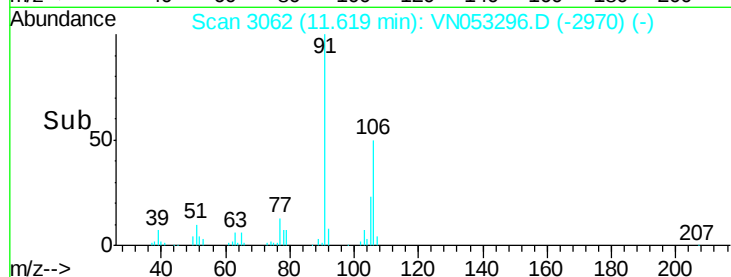
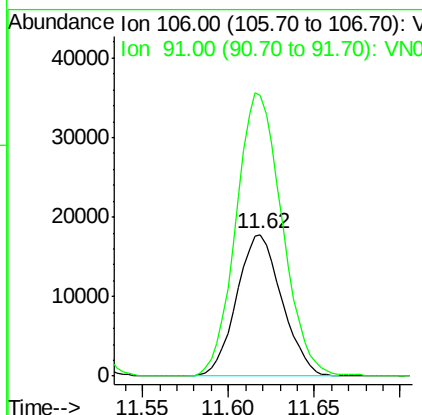
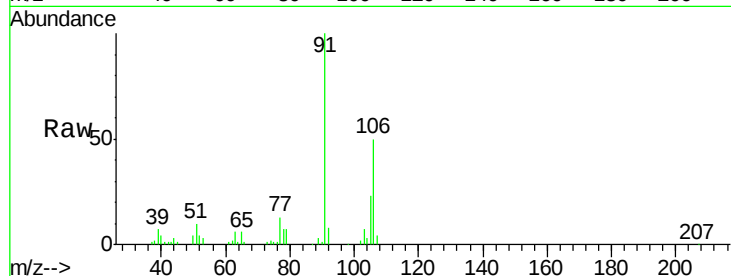




#68
m/p-Xylenes
Concen: 1.610 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053296.D
Acq: 7 Jan 2019 11:27

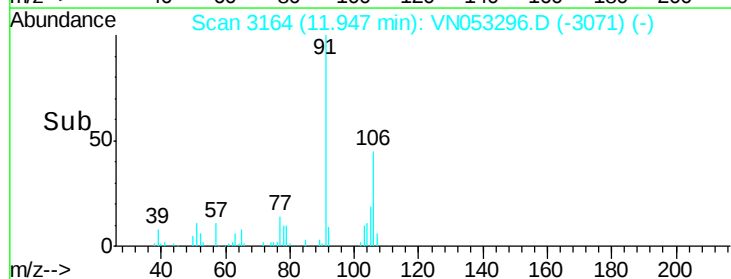
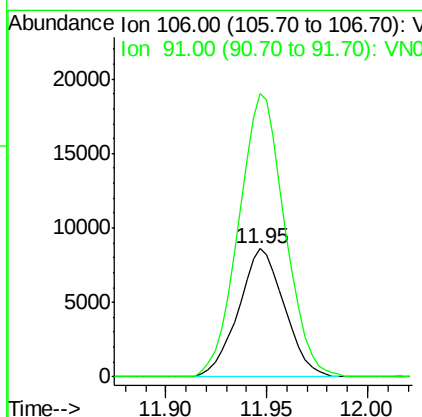
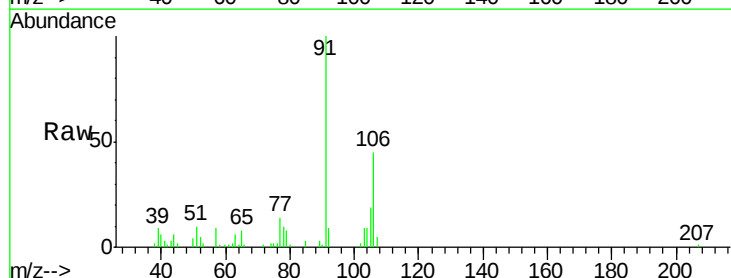
Instrument :
MSVOA_N
ClientSampleId :
BUR-COMP-1

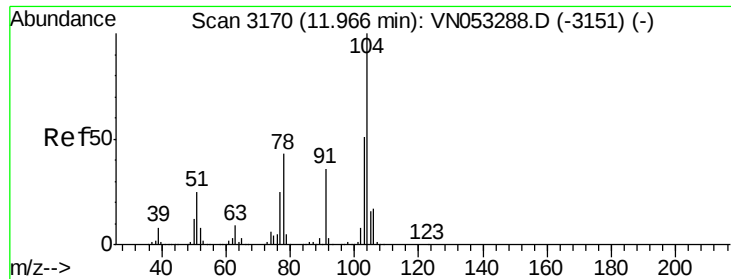
Tot Ion:106 Resp: 32460
Ion Ratio Lower Upper
106 100
91 204.6 161.4 242.2



#69
o-Xylene
Concen: 0.694 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053296.D
Acq: 7 Jan 2019 11:27

Tgt Ion:106 Resp: 13696
Ion Ratio Lower Upper
106 100
91 221.8 106.8 320.4





#70

Stvrene

Concen: 0.300 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

BUR-COMP-1

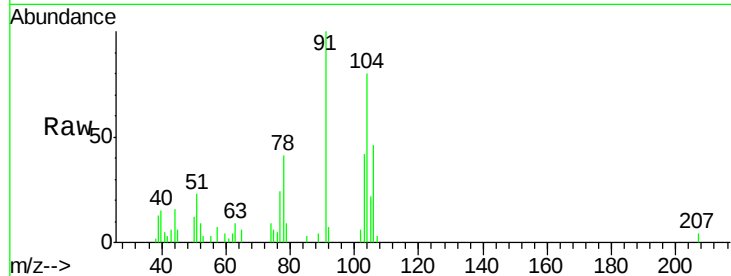
Tot Ion:104 Resp: 9649

Ion Ratio Lower Upper

104 100

78 56.3 38.5 57.7

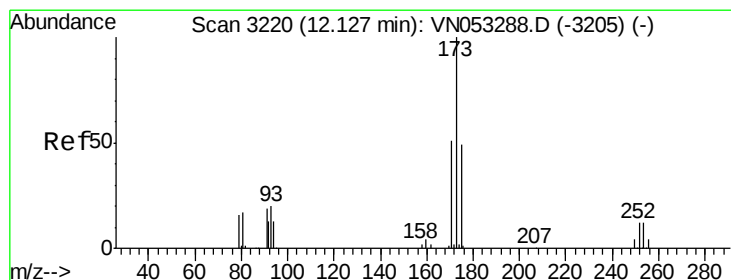
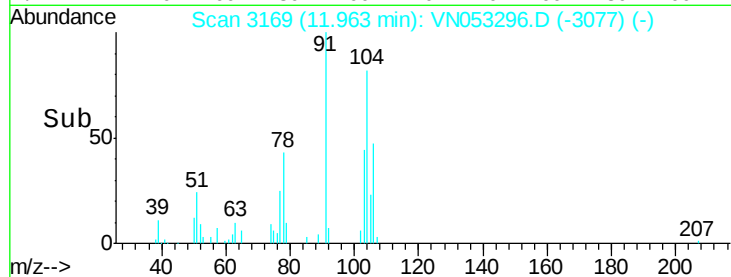
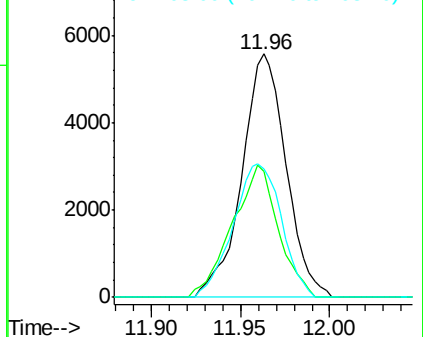
103 59.9 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.529 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

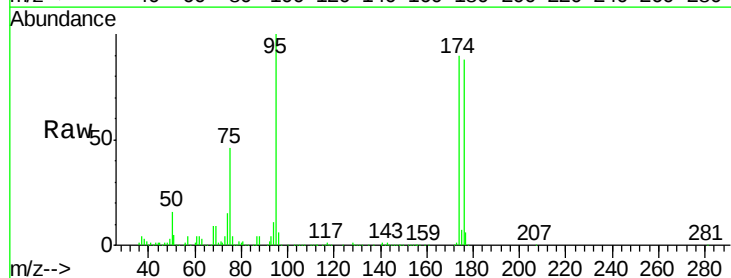
Tgt Ion:173 Resp: 4126

Ion Ratio Lower Upper

173 100

175 946.4 24.3 72.8#

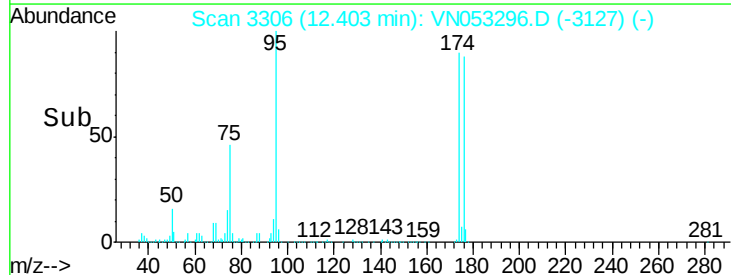
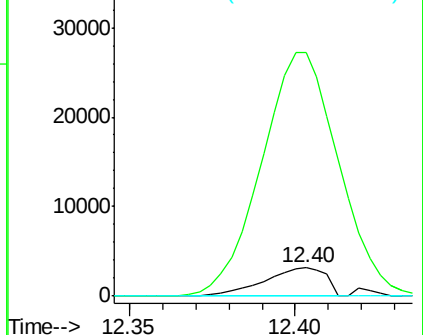
254 0.0 0.2 0.2#

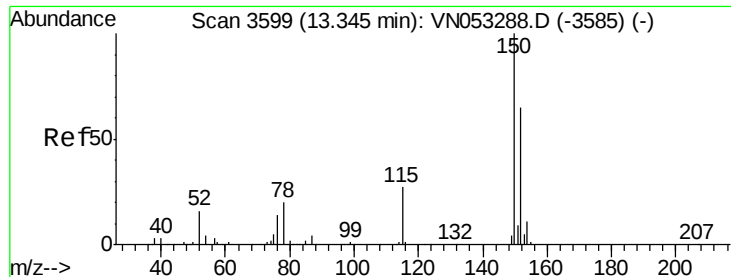


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3598

Delta R.T. -0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

BUR-COMP-1

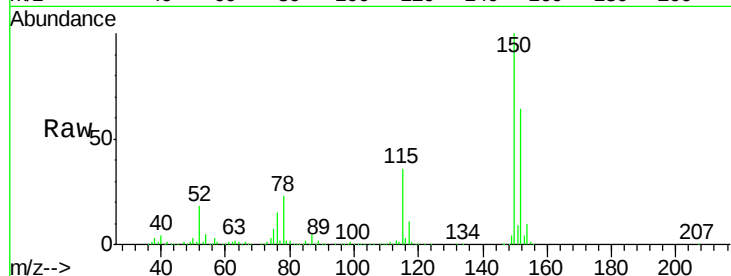
Tot Ion:152 Resp: 638796

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

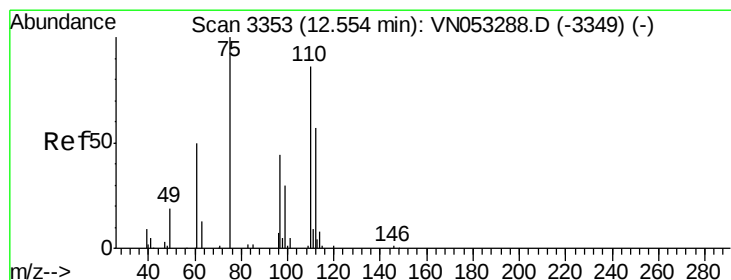
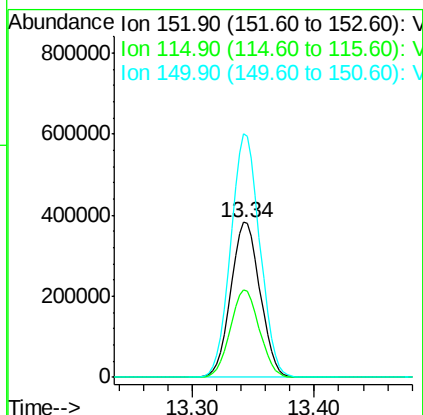
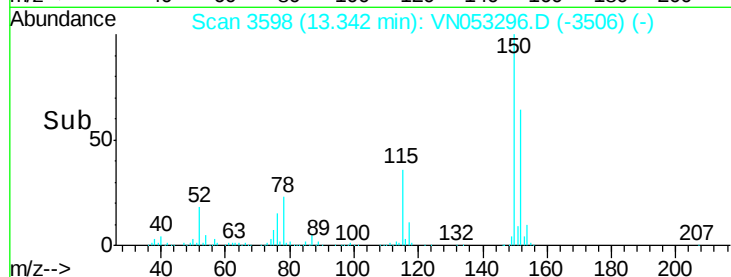
150 156.0 0.0 346.6



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: 33.626 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053296.D

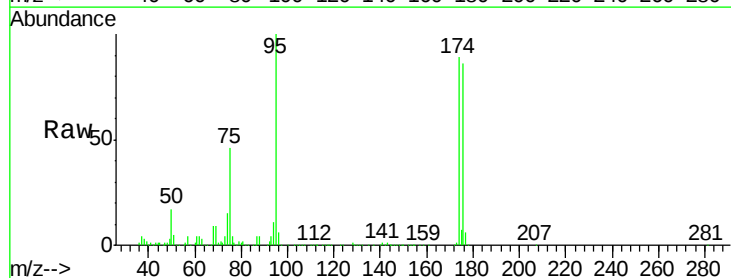
Acq: 7 Jan 2019 11:27

Tgt Ion: 75 Resp: 313296

Ion Ratio Lower Upper

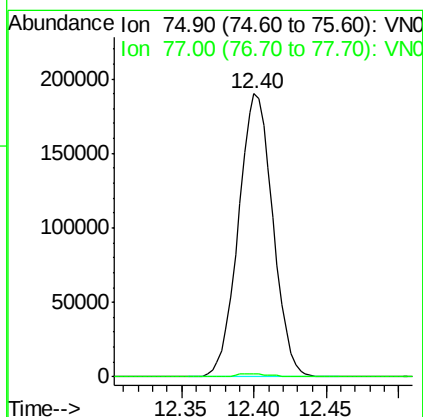
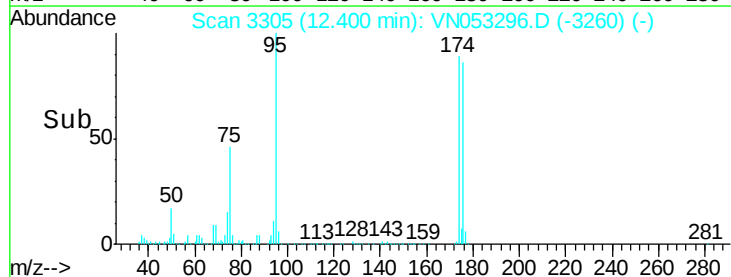
75 100

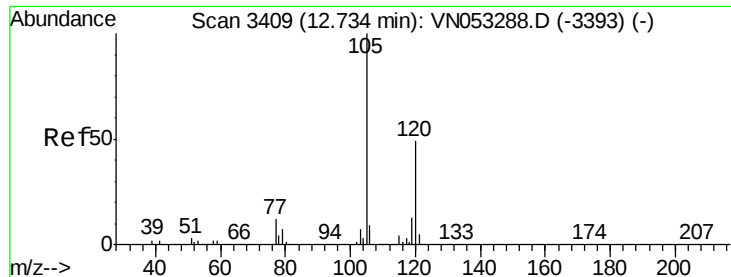
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.355 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampled :

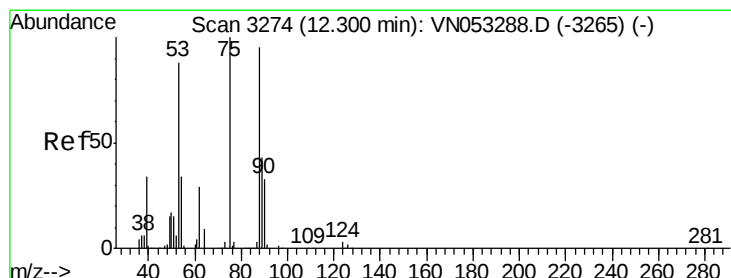
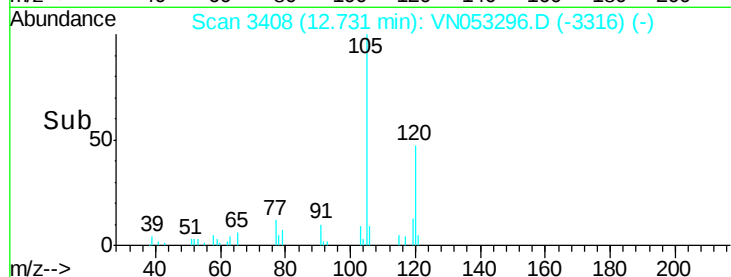
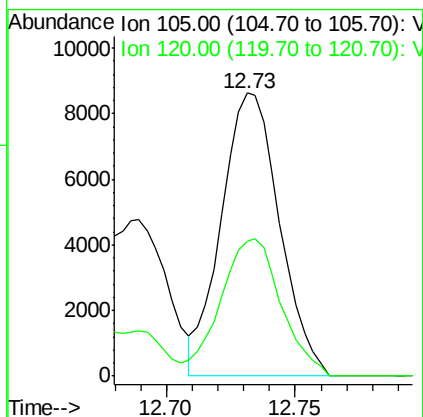
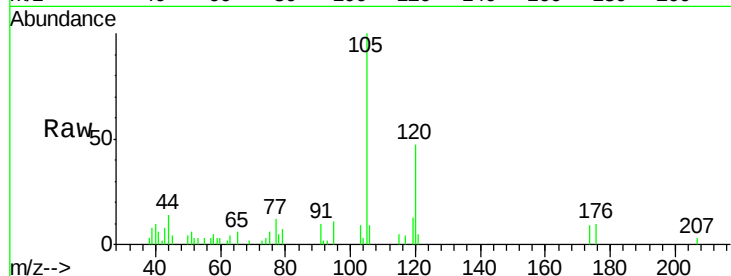
BUR-COMP-1

Tot Ion:105 Resp: 13591

Ion Ratio Lower Upper

105 100

120 50.5 24.7 74.1



#81

trans-1,4-Dichloro-2-butene

Concen: 98.932 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

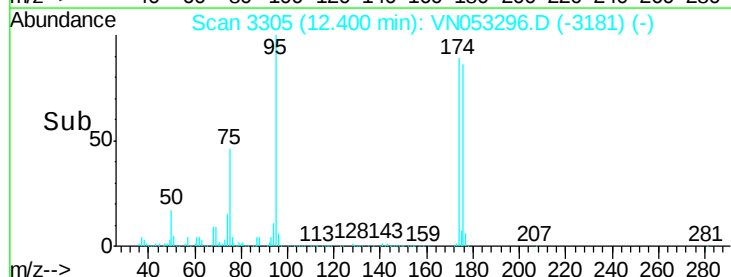
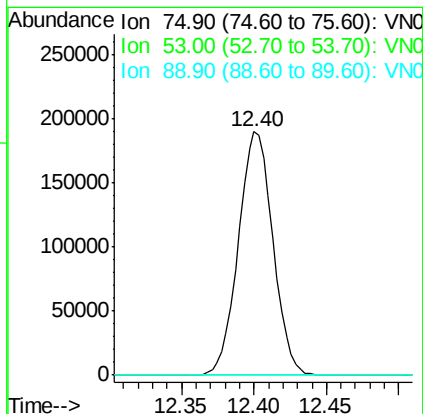
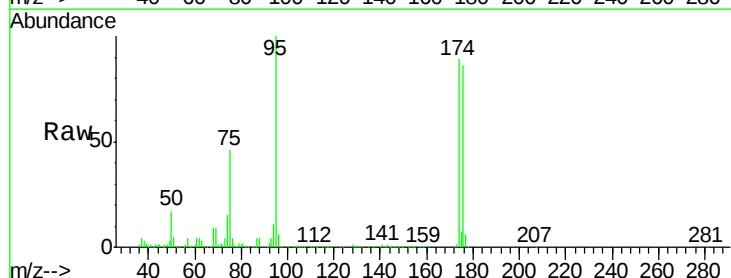
Tgt Ion: 75 Resp: 313296

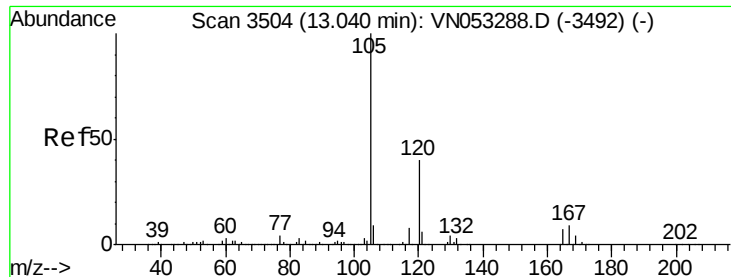
Ion Ratio Lower Upper

75 100

53 0.1 70.5 105.7#

89 0.0 35.4 53.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.125 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

Instrument :

MSVOA_N

ClientSampleId :

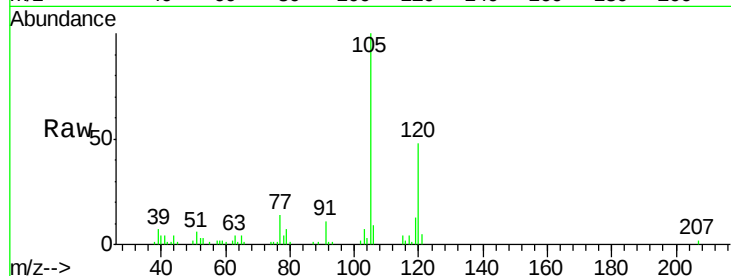
BUR-COMP-1

Tot Ion:105 Resp: 43888

Ion Ratio Lower Upper

105 100

120 45.7 23.0 69.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

13.04

25000

20000

15000

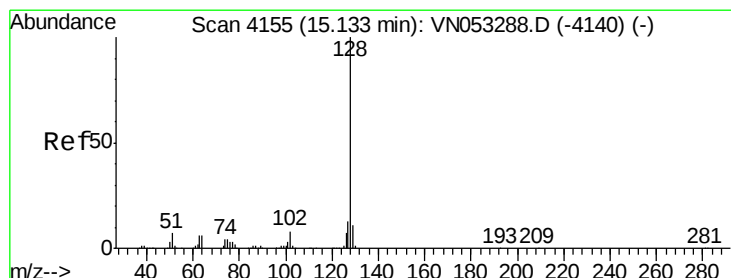
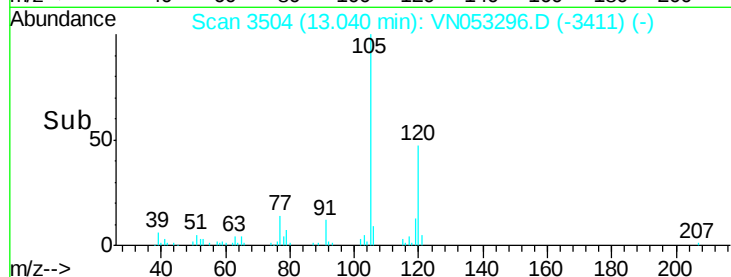
10000

5000

0

Time-->

13.00 13.05 13.10



#95

Naphthalene

Concen: 3.179 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053296.D

Acq: 7 Jan 2019 11:27

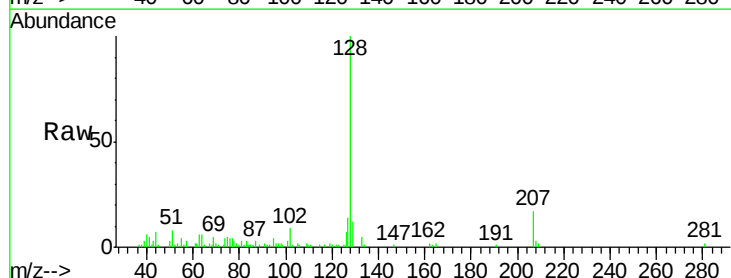
Tgt Ion:128 Resp: 35704

Ion Ratio Lower Upper

128 100

127 13.8 10.4 15.6

129 12.5 8.7 13.1



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

15.13

25000

20000

15000

10000

5000

0

Time-->

15.05 15.10 15.15 15.20

