

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092718\
 Data File : VN051605.D
 Acq On : 28 Sep 2018 00:39
 Operator : MD\SY
 Sample : J5099-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 70 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 7211975

Quant Time: Sep 28 01:56:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092318W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 24 06:41:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	614931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1022590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	840194	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303454	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	453762	58.91	ug/l	0.00
Spiked Amount			Recovery	=	117.82%	
35) Dibromofluoromethane	7.59	113	395395	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
50) Toluene-d8	10.09	98	1406950	45.69	ug/l	0.00
Spiked Amount			Recovery	=	91.38%	
62) 4-Bromofluorobenzene	12.40	95	378482	38.00	ug/l	0.00
Spiked Amount			Recovery	=	76.00%	

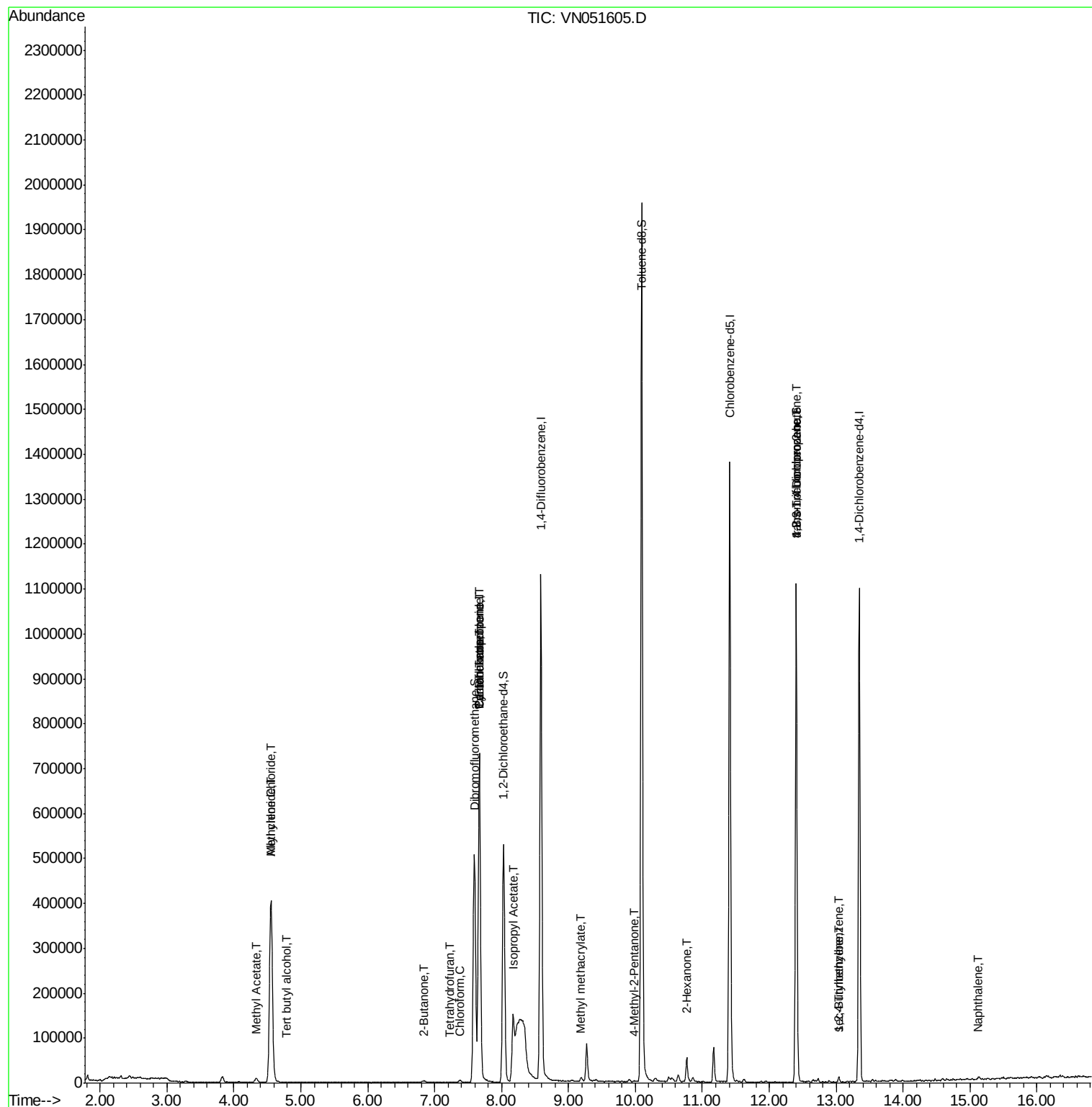
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.78	59	106	0.244	ug/l #	78
14) Allyl chloride	4.55	41	8293	0.722	ug/l #	26
16) Acetone	3.82	43	22117	Below Cal		97
18) Methyl Acetate	4.33	43	19522	3.328	ug/l #	72
20) Methylene Chloride	4.55	84	302310	39.660	ug/l	98
25) 2-Butanone	6.85	43	1236	0.469	ug/l #	59
29) Tetrahydrofuran	7.23	42	805	0.482	ug/l #	48
30) Chloroform	7.37	83	4793	0.365	ug/l	97
31) Cyclohexane	7.67	56	12340	1.017	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	45972	3.882	ug/l #	43
38) Carbon Tetrachloride	7.67	117	56324	4.547	ug/l #	16
43) Isopropyl Acetate	8.17	43	192145	15.607	ug/l #	87
48) Methyl methacrylate	9.18	41	5725	0.933	ug/l #	20
51) 4-Methyl-2-Pentanone	9.99	43	1828	0.270	ug/l #	36
59) 2-Hexanone	10.77	43	8357	1.904	ug/l #	57
76) 1,2,3-Trichloropropane	12.40	75	185713	36.866	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	185713	113.360	ug/l #	13
84) 1,2,4-Trimethylbenzene	13.04	105	6220	0.296	ug/l	89
85) sec-Butylbenzene	13.04	105	6220	0.247	ug/l #	56
95) Naphthalene	15.13	128	4400	8.372	ug/l #	93

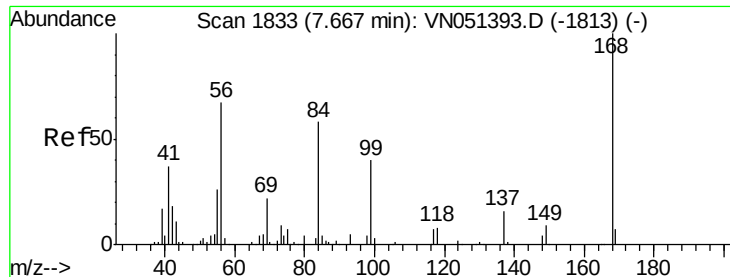
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

Instrument :

MSVOA_N

ClientSampleId :

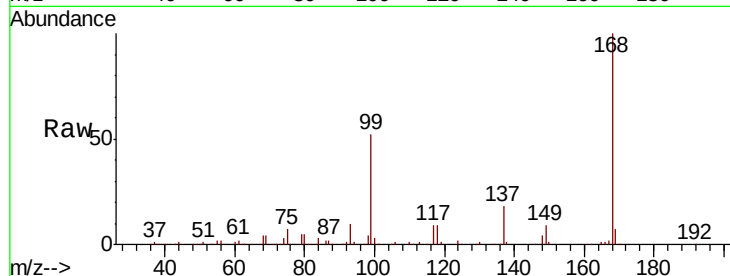
7211975

Tot Ion:168 Resp: 614931

Ion Ratio Lower Upper

168 100

99 52.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN051393.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN051393.D (-1813) (-)

7.67

250000

200000

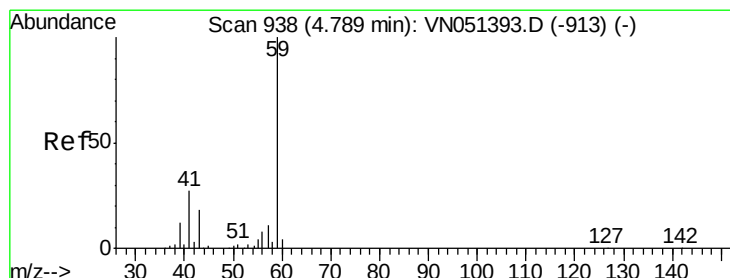
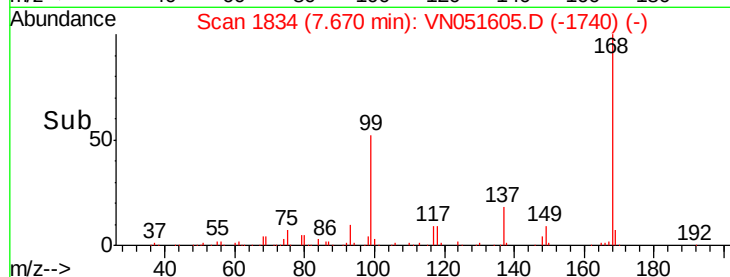
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.244 ug/l

RT: 4.78 min Scan# 936

Delta R.T. -0.01 min

Lab File: VN051605.D

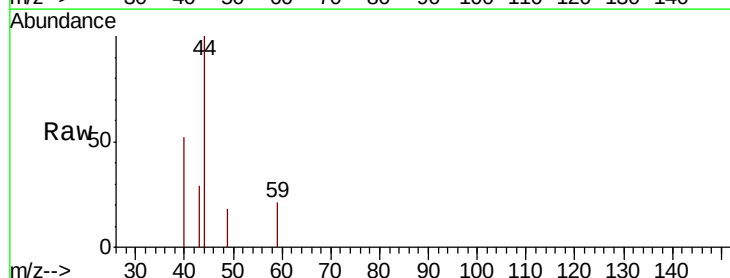
Acq: 28 Sep 2018 00:39

Tgt Ion: 59 Resp: 106

Ion Ratio Lower Upper

59 100

57 0.0 6.2 9.2#



Abundance Ion 59.00 (58.70 to 59.70): VN051393.D (-913) (-)

Ion 57.00 (56.70 to 57.70): VN051393.D (-913) (-)

4.78

200

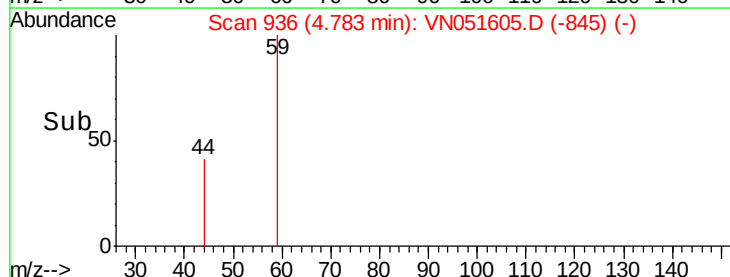
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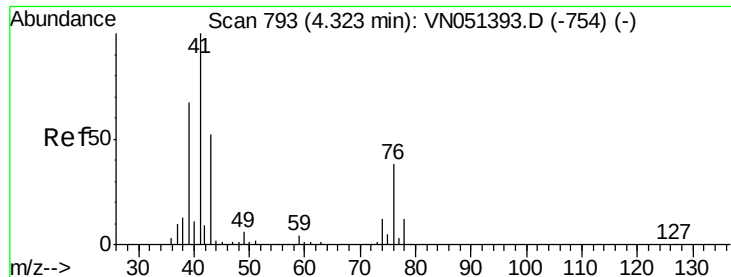
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50

0

Time-->

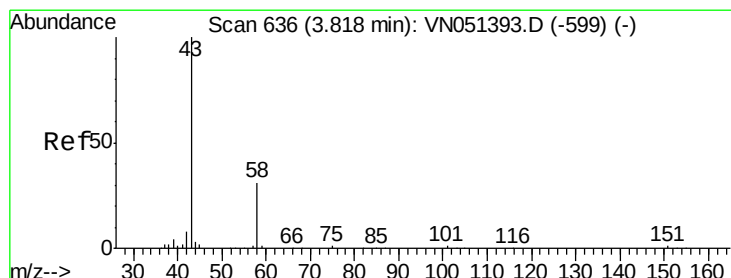
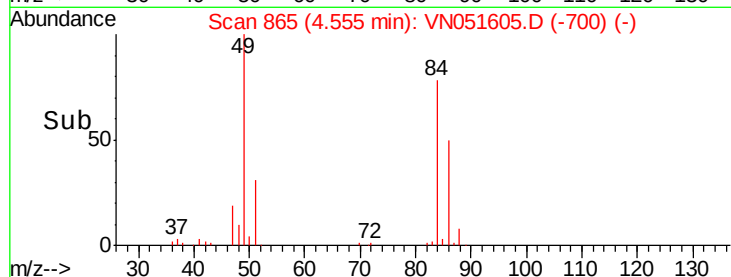
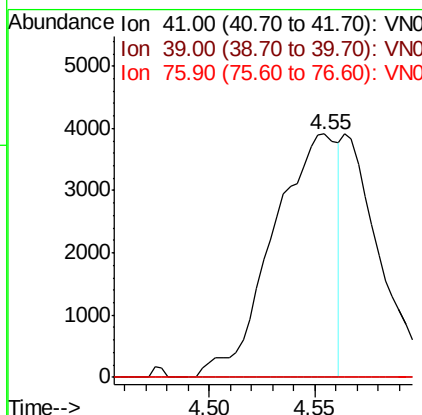
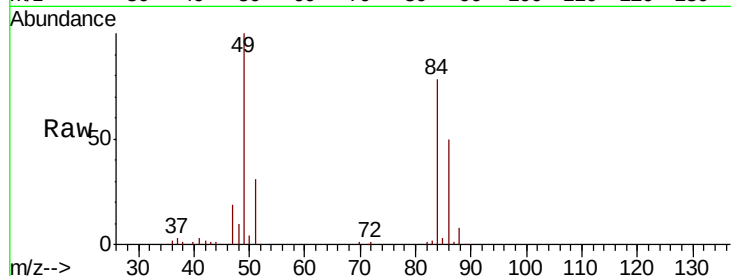




#14
Allvl chloride
Concen: 0.722 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.23 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

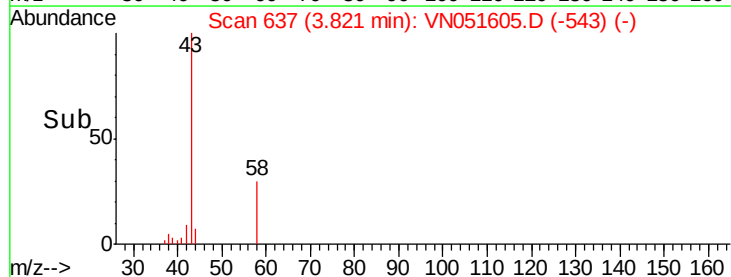
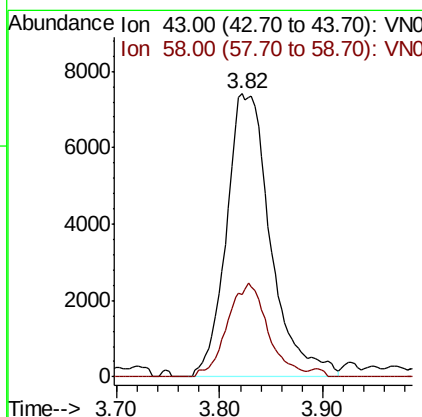
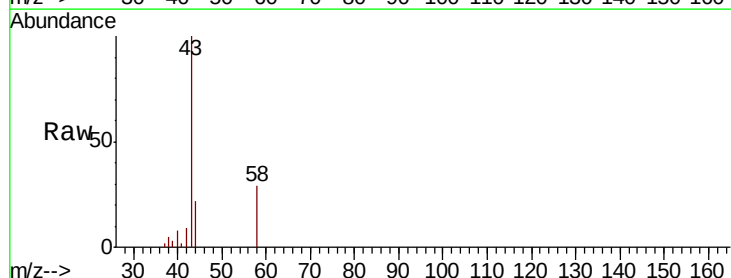
Instrument :
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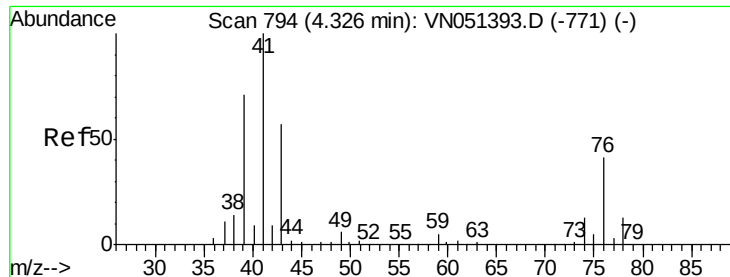
Tot Ion: 41 Resp: 8293
Ion Ratio Lower Upper
41 100
39 0.0 51.4 77.2#
76 0.0 28.1 42.1#



#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 637
Delta R.T. 0.00 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

Tgt Ion: 43 Resp: 22117
Ion Ratio Lower Upper
43 100
58 29.3 25.0 37.4

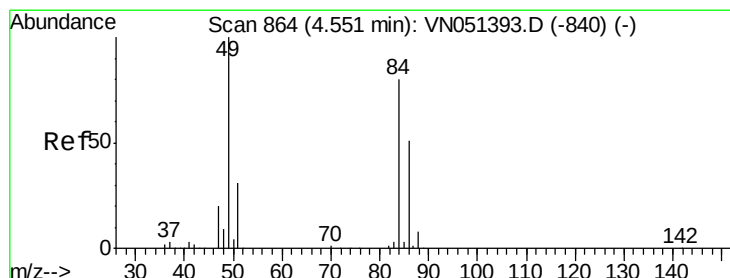
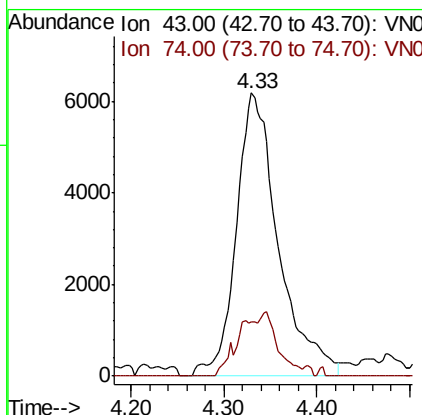
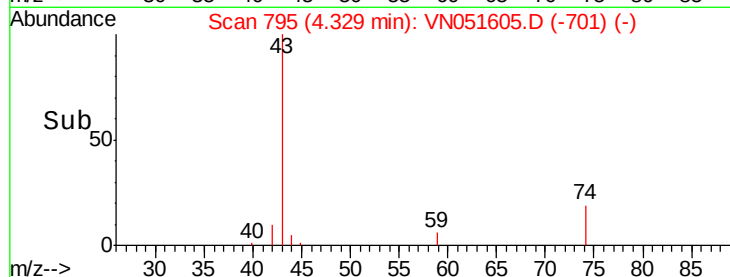
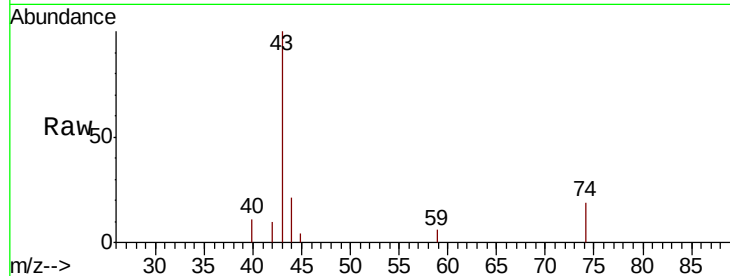




#18
Methyl Acetate
Concen: 3.328 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

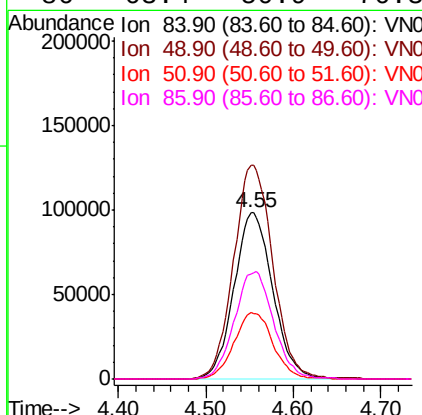
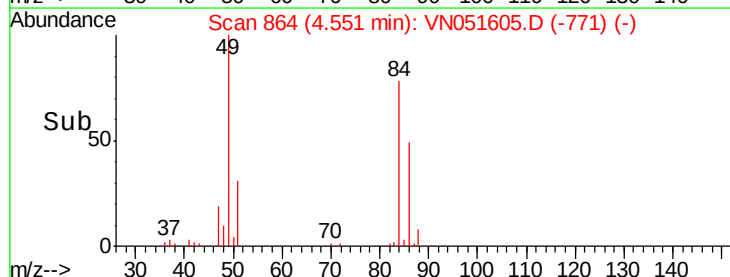
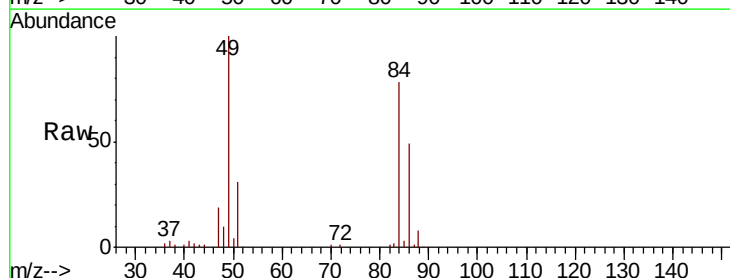
Instrument :
MSVOA_N
ClientSampleId :
7211975

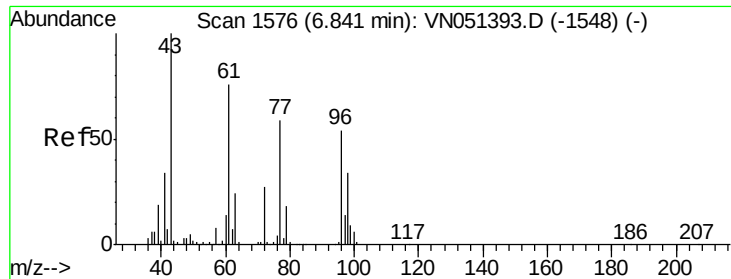
Tot Ion: 43 Resp: 19522
Ion Ratio Lower Upper
43 100
74 9.7 18.8 28.2#



#20
Methylene Chloride
Concen: 39.660 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

Tgt Ion: 84 Resp: 302310
Ion Ratio Lower Upper
84 100
49 128.4 99.9 149.9
51 39.7 31.4 47.2
86 63.4 50.9 76.3





#25

2-Butanone

Concen: 0.469 ug/l

RT: 6.85 min Scan# 1578

Delta R.T. 0.01 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

Instrument :

MSVOA_N

ClientSampleId :

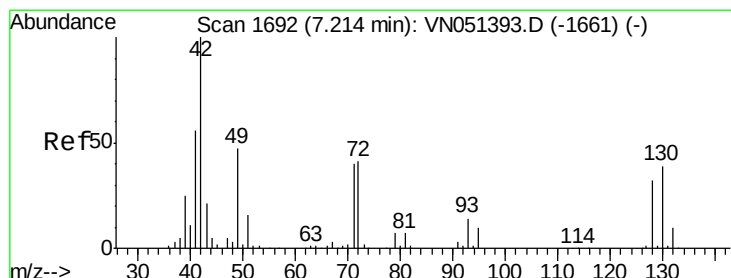
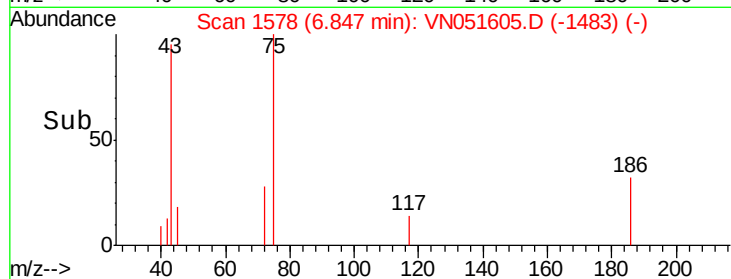
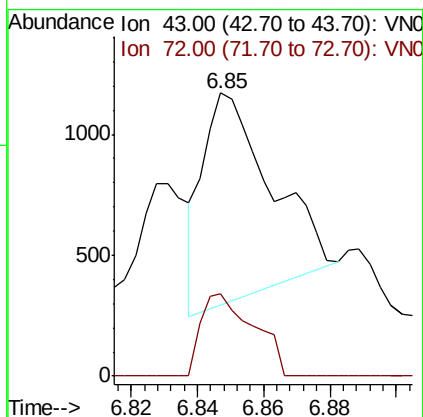
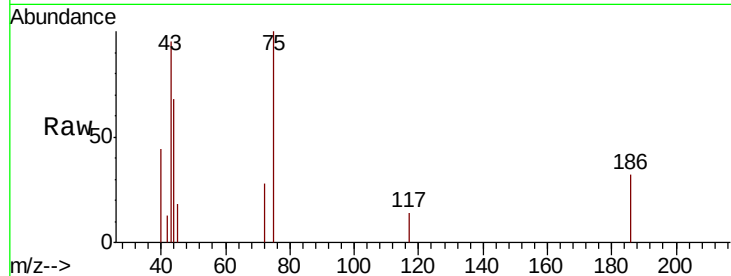
7211975

Tot Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

72 48.7 21.8 32.6#



#29

Tetrahydrofuran

Concen: 0.482 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

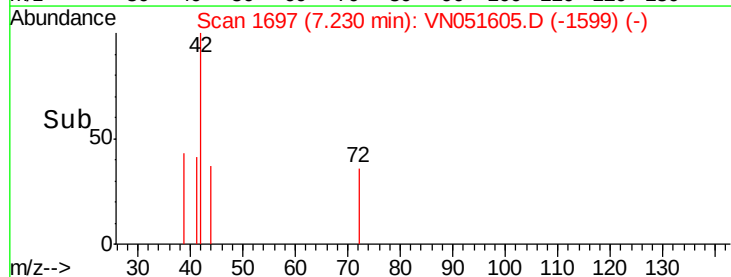
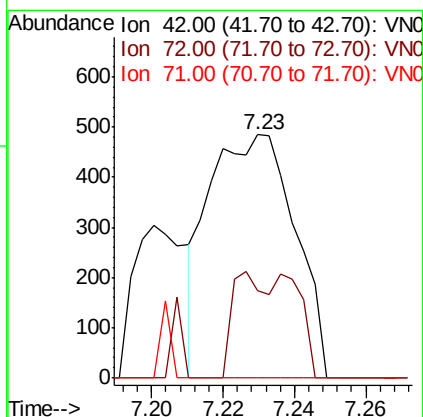
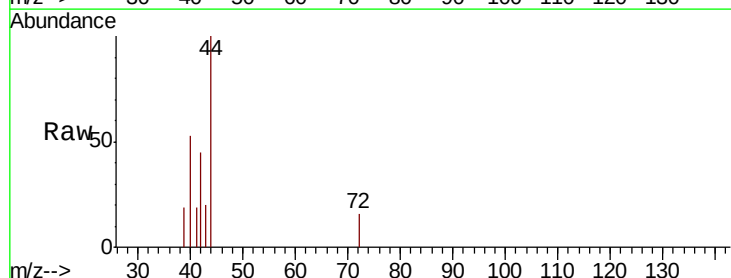
Tgt Ion: 42 Resp: 805

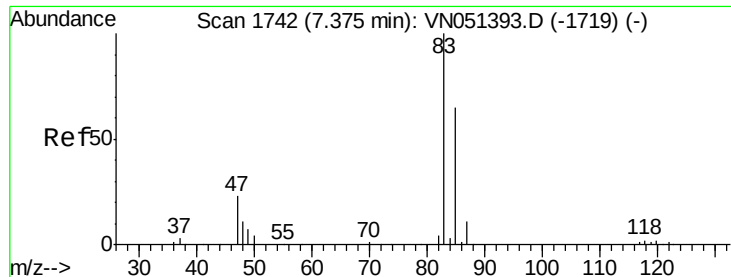
Ion Ratio Lower Upper

42 100

72 18.0 34.3 51.5#

71 0.0 32.2 48.4#

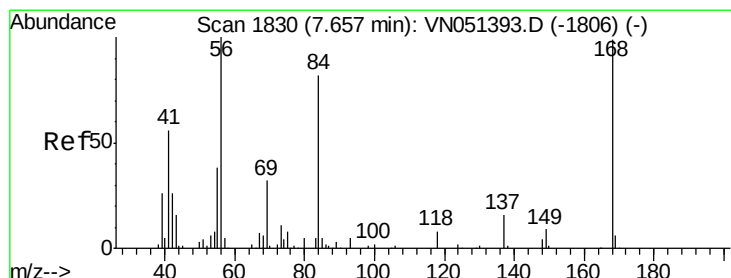
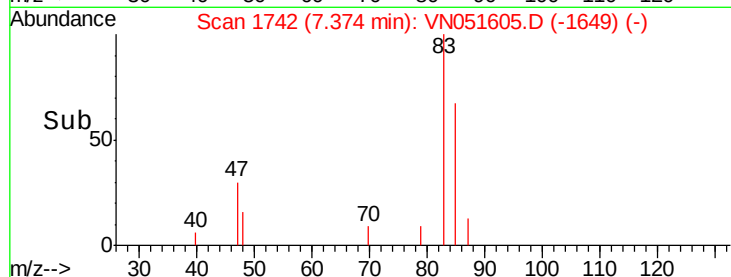
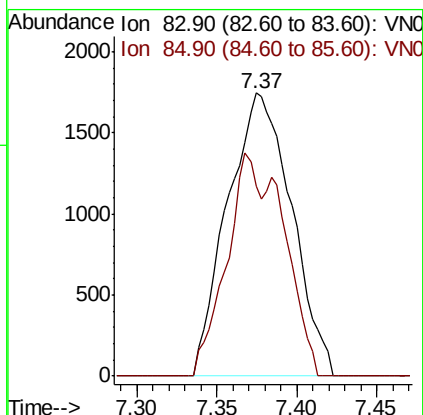
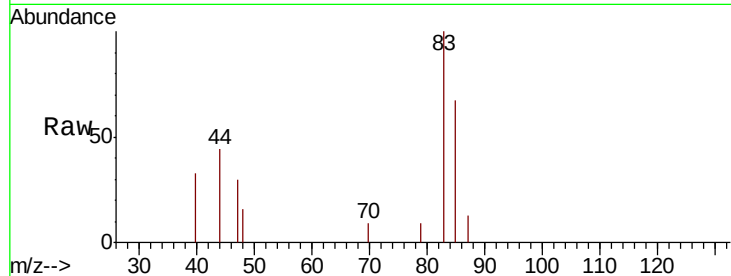




#30
Chloroform
Concen: 0.365 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

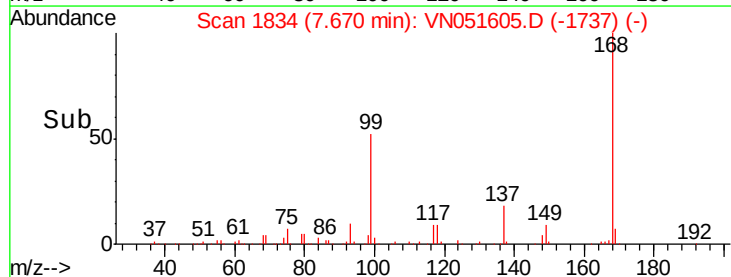
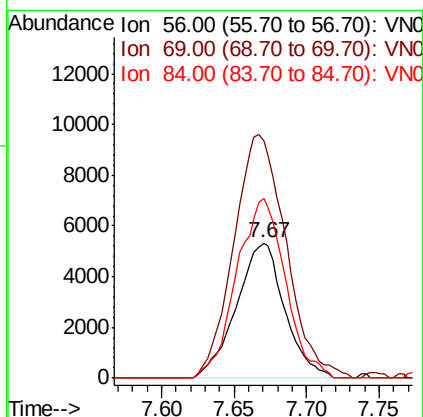
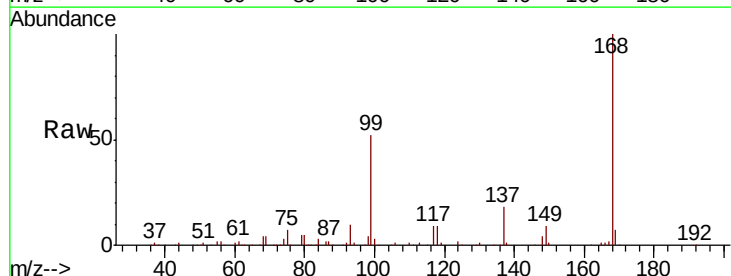
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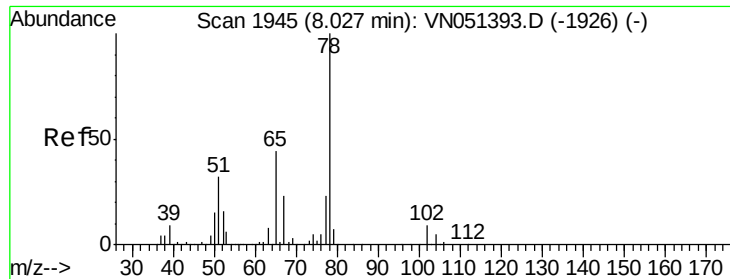
Tot Ion: 83 Resp: 4793
Ion Ratio Lower Upper
83 100
85 67.0 51.8 77.6



#31
Cyclohexane
Concen: 1.017 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

Tgt Ion: 56 Resp: 12340
Ion Ratio Lower Upper
56 100
69 176.3 25.8 38.6#
84 133.3 66.0 99.0#

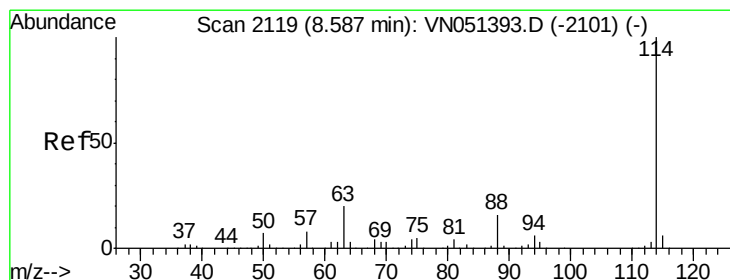
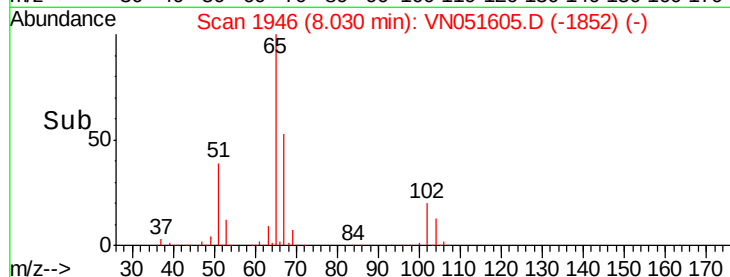
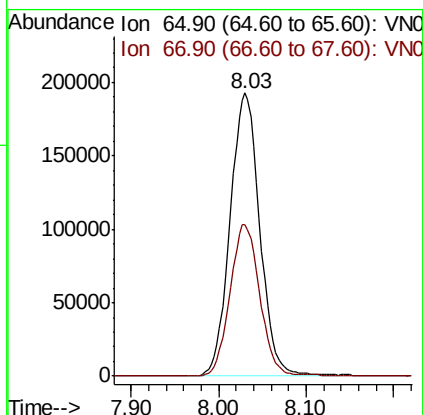
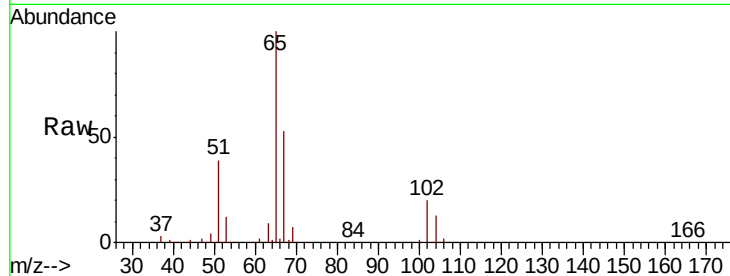




#33
 1,2-Dichloroethane-d4
 Concen: 58.906 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051605.D
 Acq: 28 Sep 2018 00:39

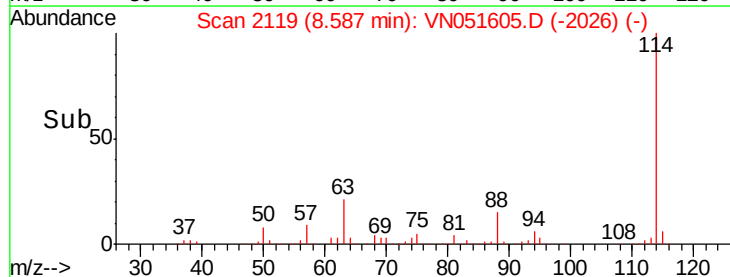
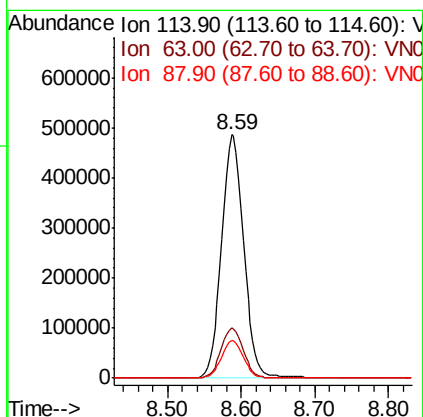
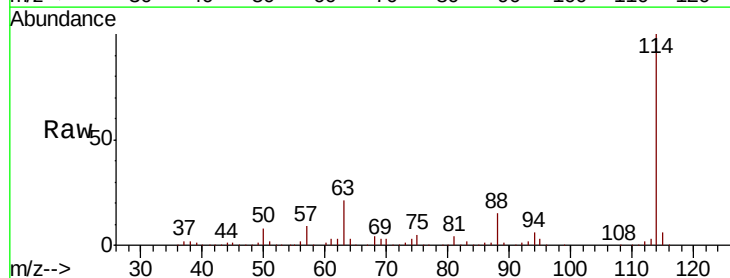
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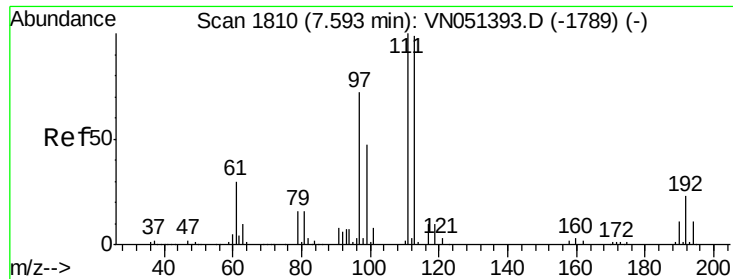
Tot Ion: 65 Resp: 453762
 Ion Ratio Lower Upper
 65 100
 67 54.0 0.0 107.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051605.D
 Acq: 28 Sep 2018 00:39

Tgt Ion: 114 Resp: 1022590
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.2
 88 15.5 0.0 31.4

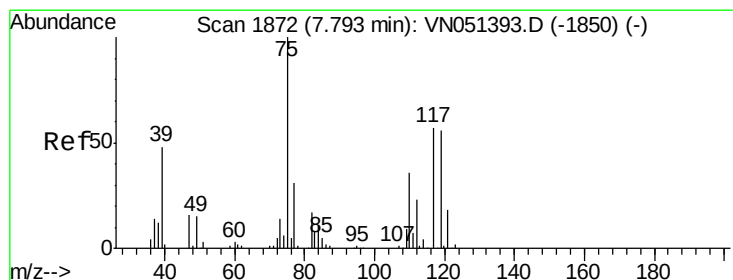
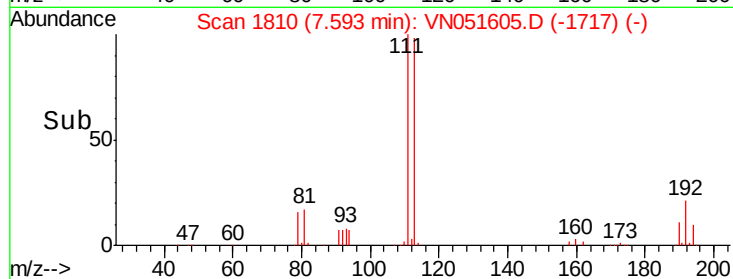
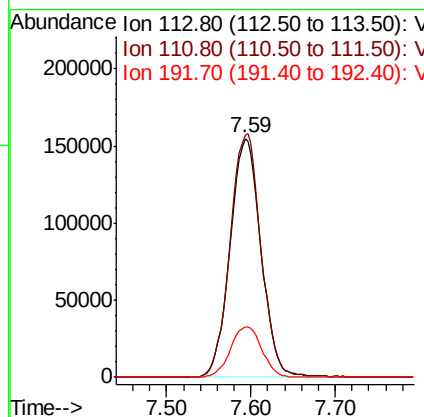
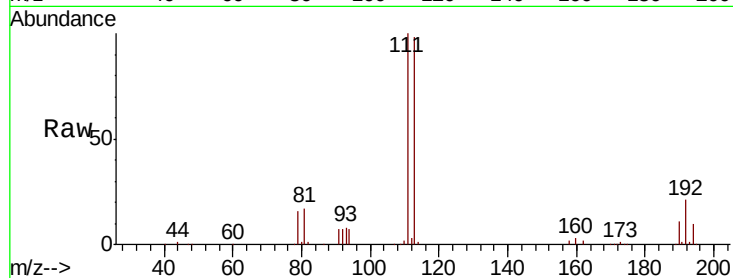




#35
 Dibromofluoromethane
 Concen: 48.353 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051605.D
 Acq: 28 Sep 2018 00:39

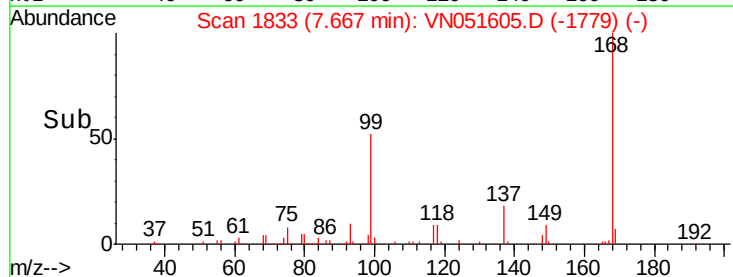
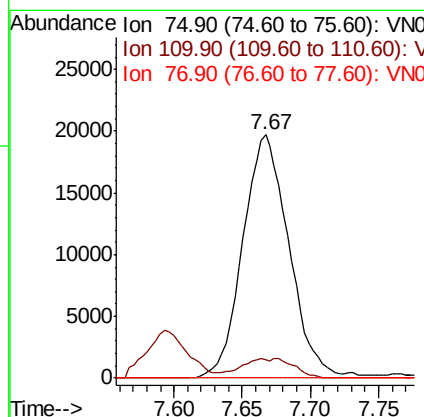
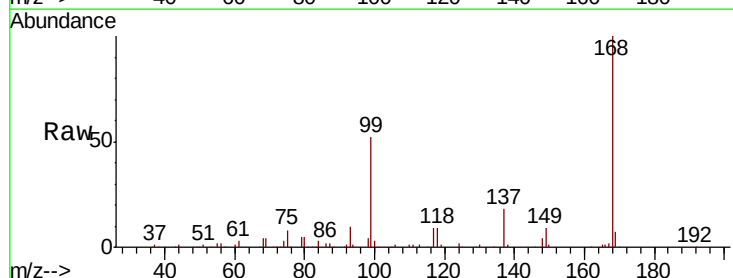
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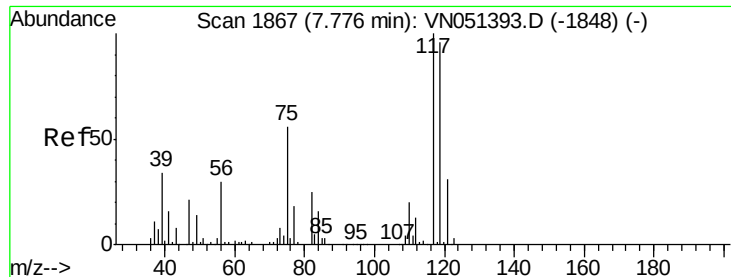
Tot Ion:113 Resp: 395395
 Ion Ratio Lower Upper
 113 100
 111 101.7 82.6 123.8
 192 21.6 18.0 27.0



#36
 1,1-Dichloropropene
 Concen: 3.882 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051605.D
 Acq: 28 Sep 2018 00:39

Tgt Ion: 75 Resp: 45972
 Ion Ratio Lower Upper
 75 100
 110 3.2 18.1 54.3#
 77 0.0 25.6 38.4#





#38

Carbon Tetrachloride

Concen: 4.547 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.11 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

Instrument :

MSVOA_N

ClientSampleId :

7211975

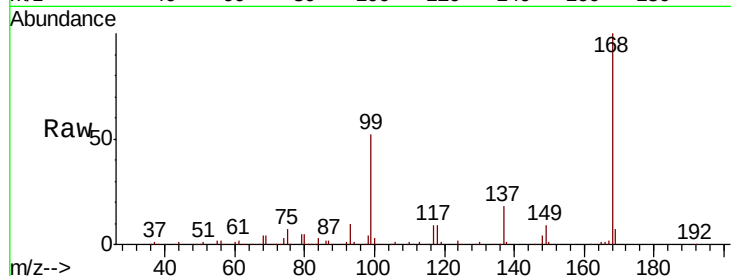
Tot Ion:117 Resp: 56324

Ion Ratio Lower Upper

117 100

119 5.7 76.9 115.3#

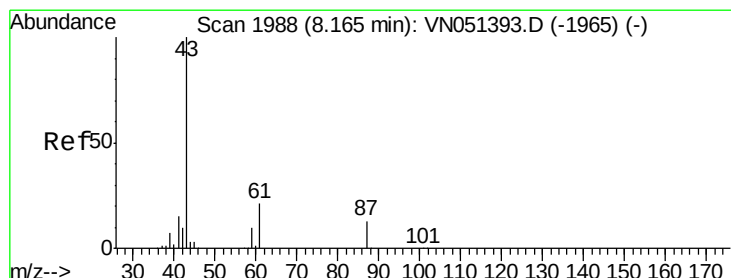
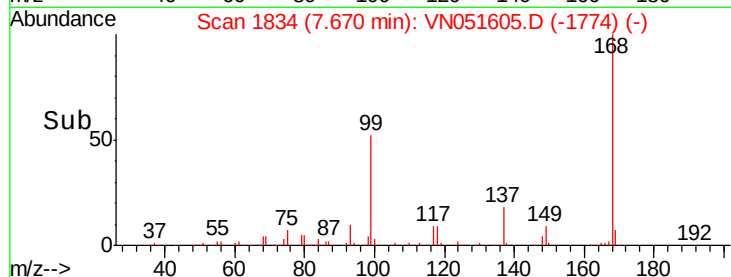
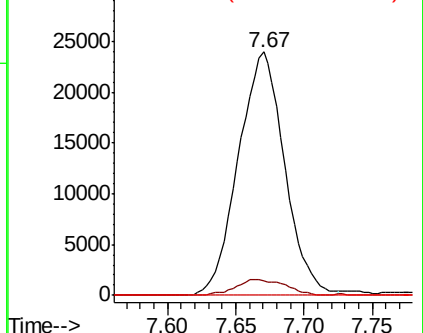
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 15.607 ug/l

RT: 8.17 min Scan# 1990

Delta R.T. 0.01 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

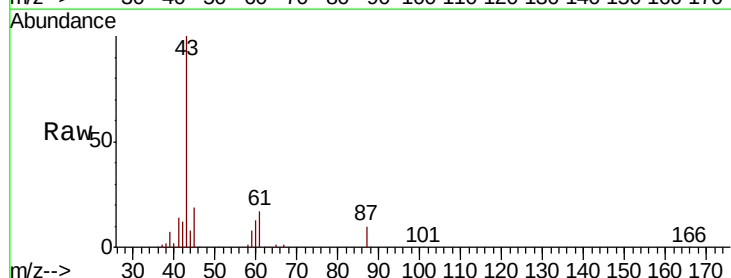
Tgt Ion: 43 Resp: 192145

Ion Ratio Lower Upper

43 100

61 14.4 16.8 25.2#

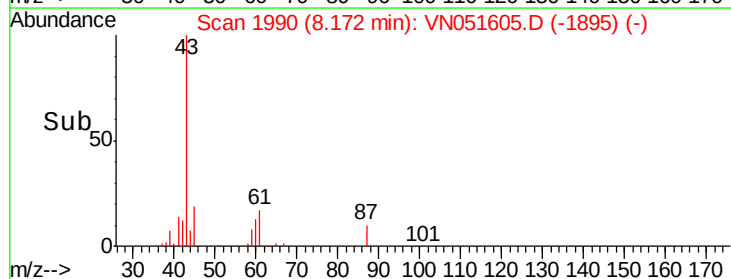
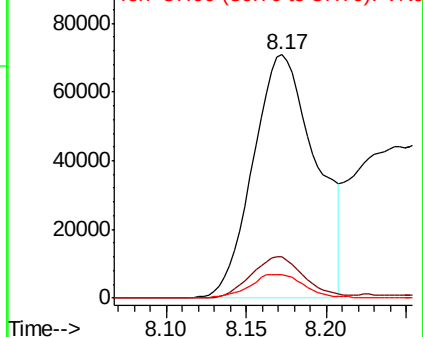
87 8.4 10.7 16.1#

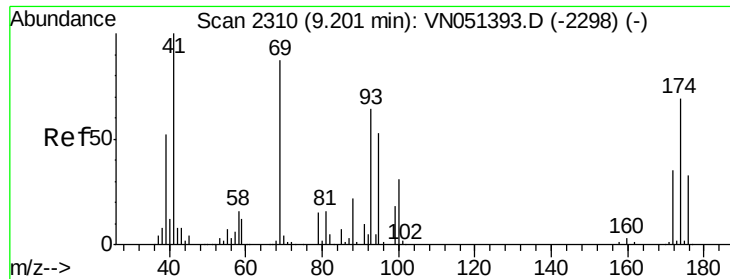


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

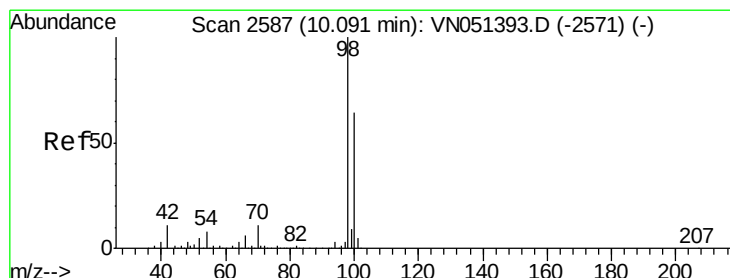
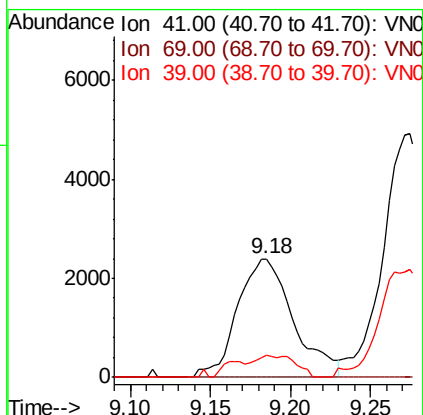
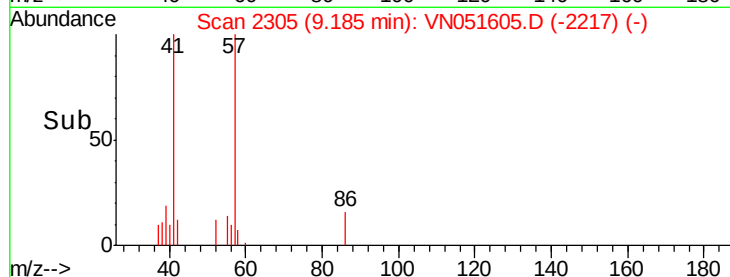
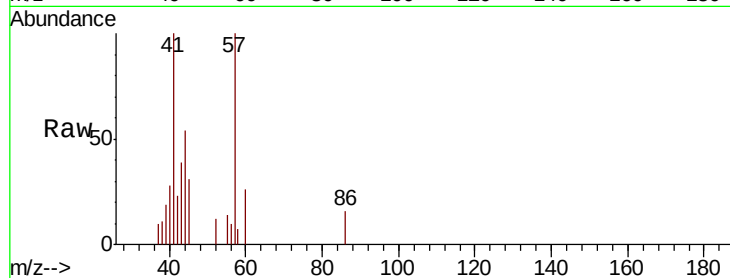




#48
Methvl methacrylate
Concen: 0.933 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

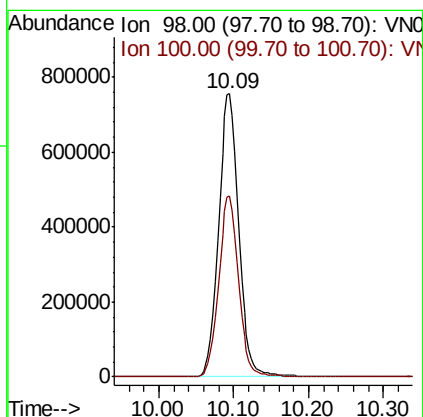
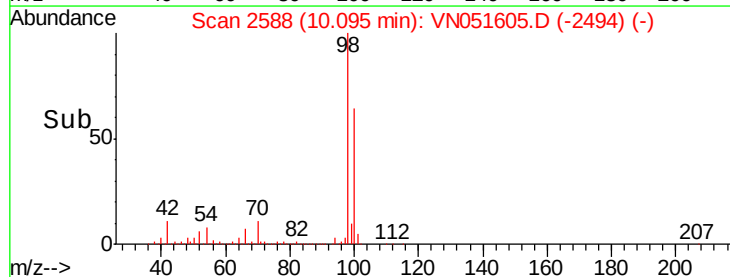
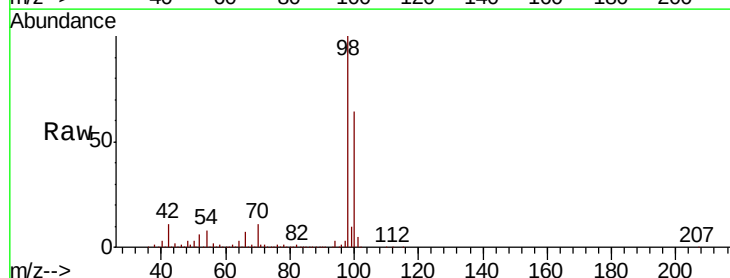
Instrument :
MSVOA_N
ClientSampleId :
7211975

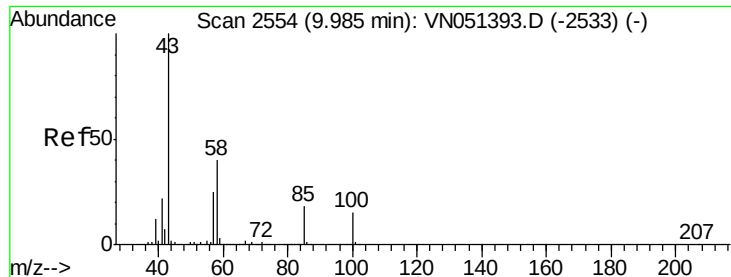
Tot Ion: 41 Resp: 5725
Ion Ratio Lower Upper
41 100
69 0.0 70.4 105.6#
39 13.9 43.8 65.8#



#50
Toluene-d8
Concen: 45.691 ug/l
RT: 10.09 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

Tgt Ion: 98 Resp: 1406950
Ion Ratio Lower Upper
98 100
100 63.1 50.6 75.8





#51

4-Methyl-2-Pentanone

Concen: 0.270 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

Instrument :

MSVOA_N

ClientSampleId :

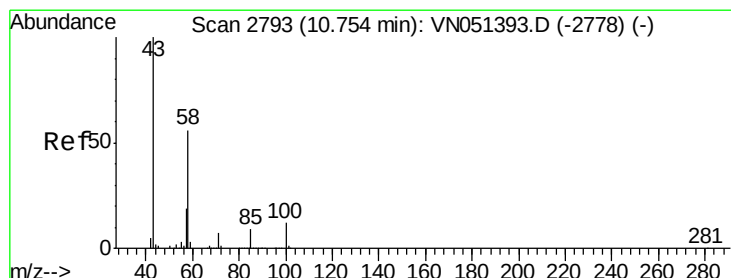
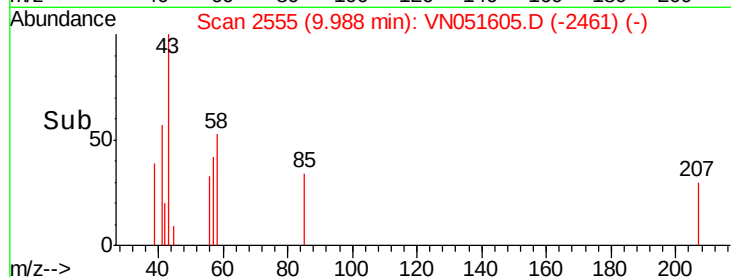
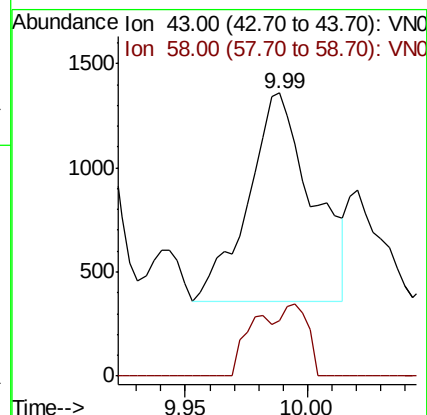
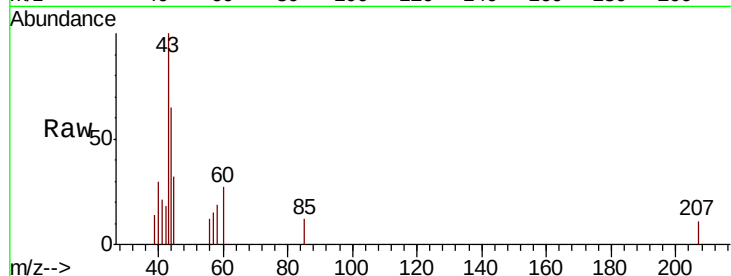
7211975

Tot Ion: 43 Resp: 1828

Ion Ratio Lower Upper

43 100

58 0.0 31.5 47.3#



#59

2-Hexanone

Concen: 1.904 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN051605.D

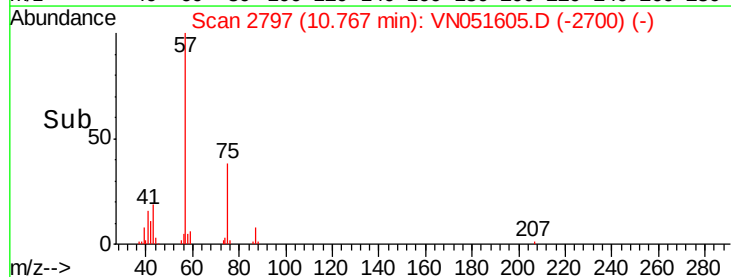
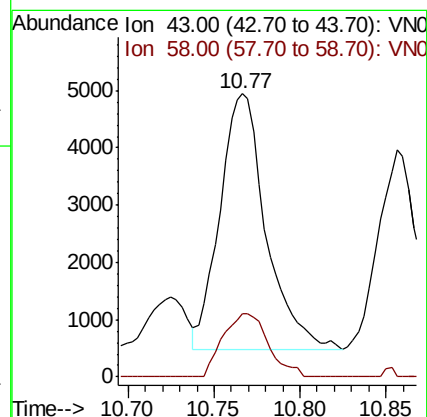
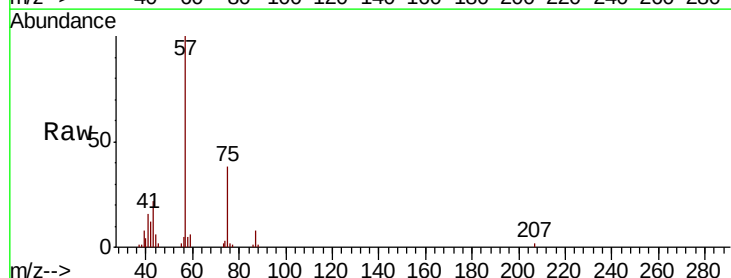
Acq: 28 Sep 2018 00:39

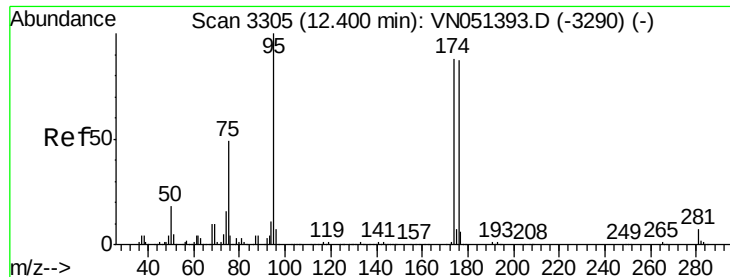
Tgt Ion: 43 Resp: 8357

Ion Ratio Lower Upper

43 100

58 24.4 27.7 83.0#

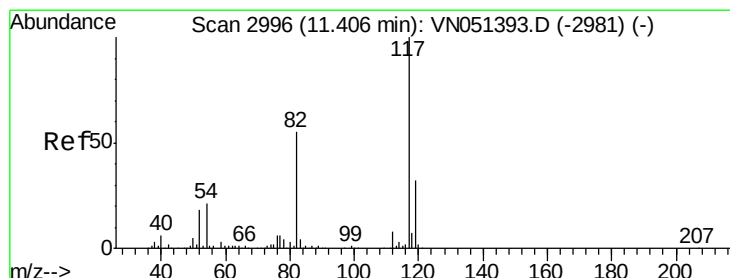
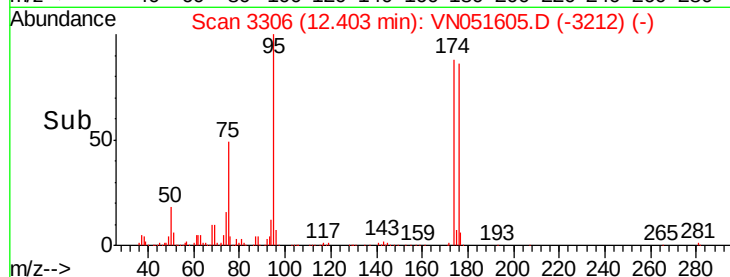
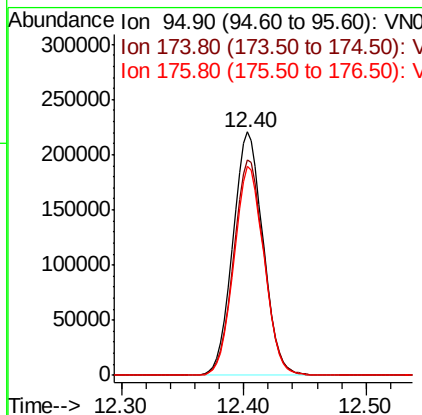
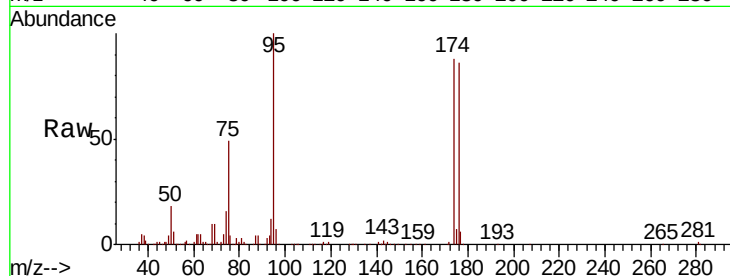




#62
4-Bromofluorobenzene
Concen: 37.995 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

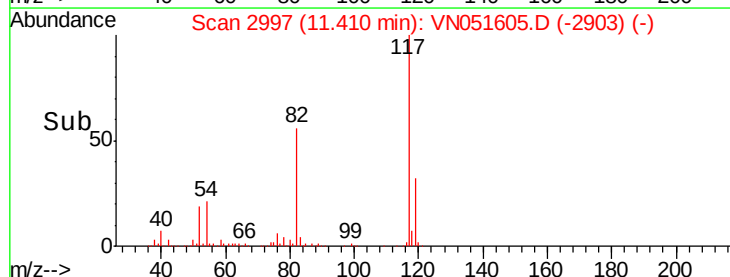
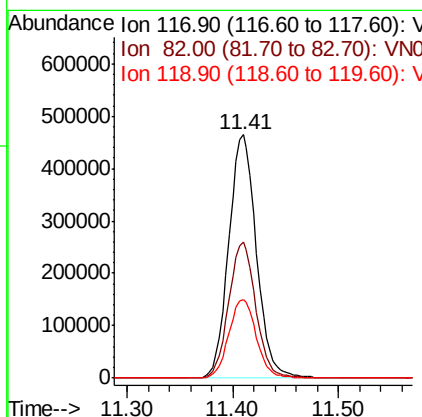
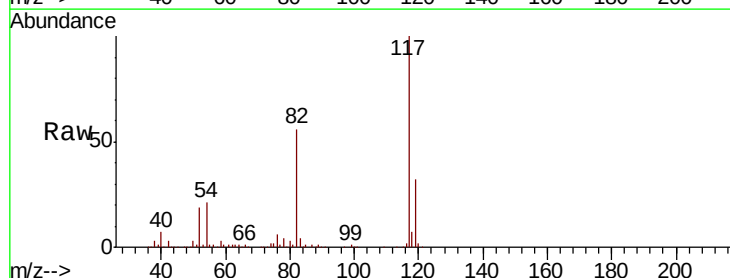
Instrument :
MSVOA_N
ClientSampleId :
7211975

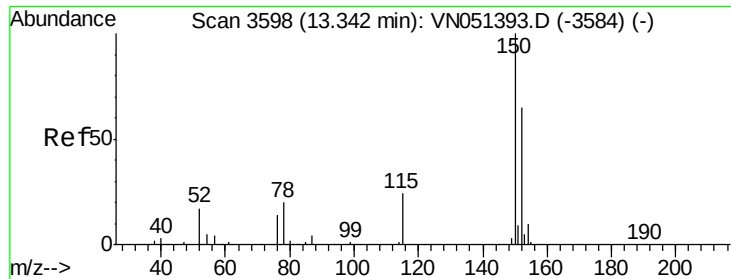
Tot Ion: 95 Resp: 378482
Ion Ratio Lower Upper
95 100
174 89.4 0.0 181.6
176 85.5 0.0 176.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051605.D
Acq: 28 Sep 2018 00:39

Tgt Ion: 117 Resp: 840194
Ion Ratio Lower Upper
117 100
82 55.9 44.2 66.2
119 32.5 25.9 38.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

Instrument :

MSVOA_N

ClientSampleId :

7211975

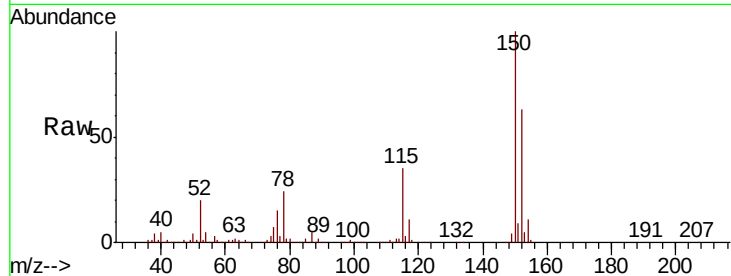
Tot Ion:152 Resp: 303454

Ion Ratio Lower Upper

152 100

115 56.4 28.3 84.9

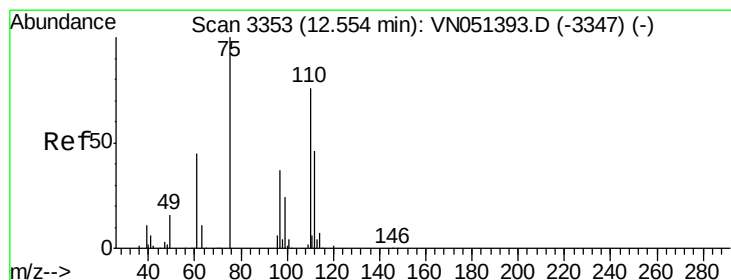
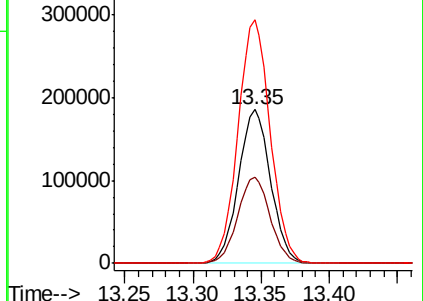
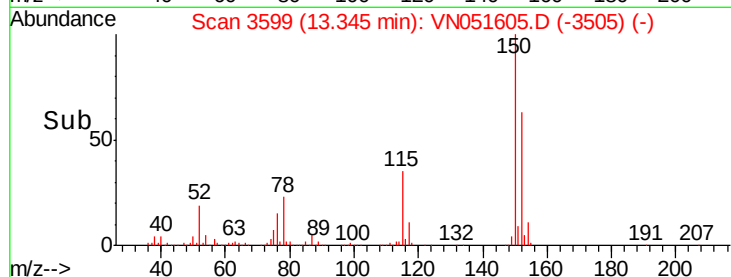
150 158.8 0.0 353.6



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: 36.866 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051605.D

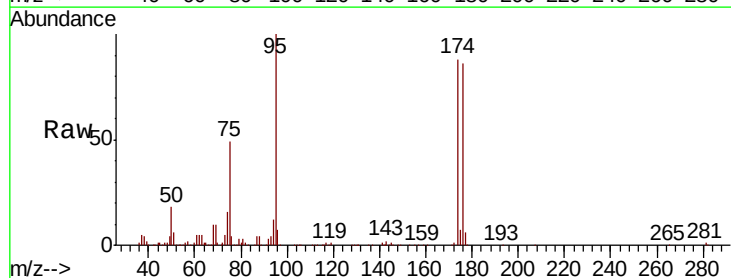
Acq: 28 Sep 2018 00:39

Tgt Ion: 75 Resp: 185713

Ion Ratio Lower Upper

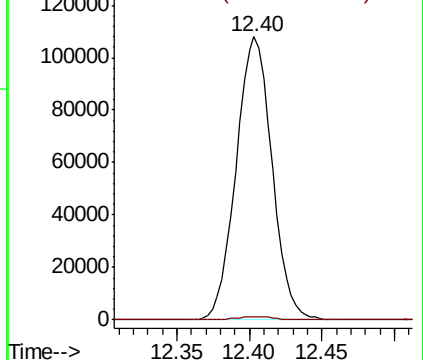
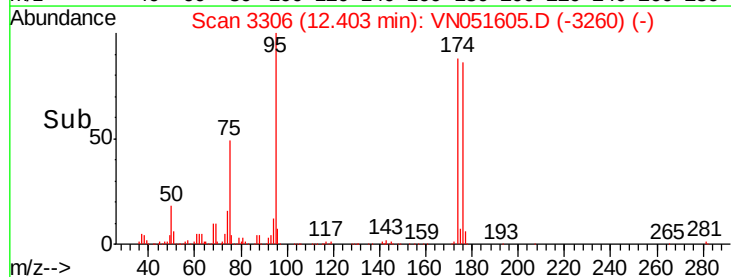
75 100

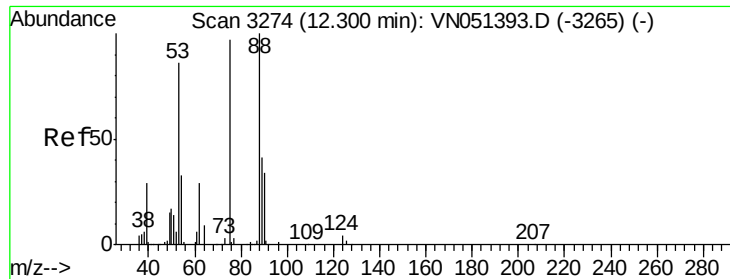
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 113.360 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

Instrument :

MSVOA_N

ClientSampleId :

7211975

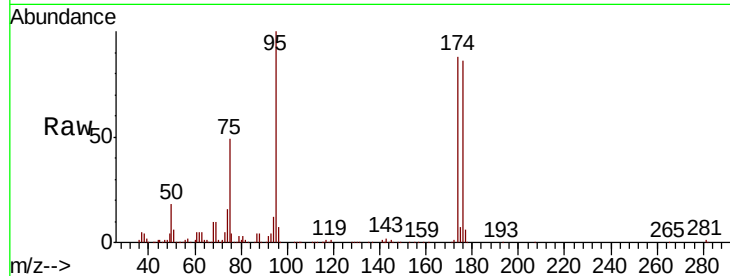
Tot Ion: 75 Resp: 185713

Ion Ratio Lower Upper

75 100

53 0.3 73.9 110.9#

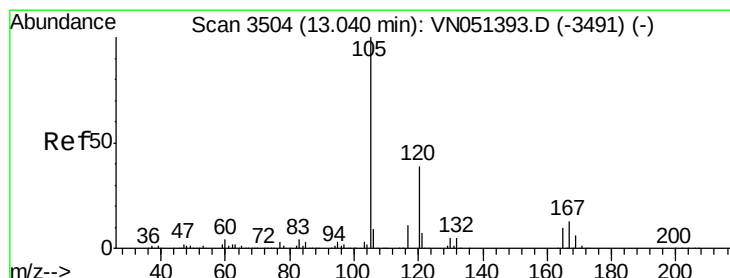
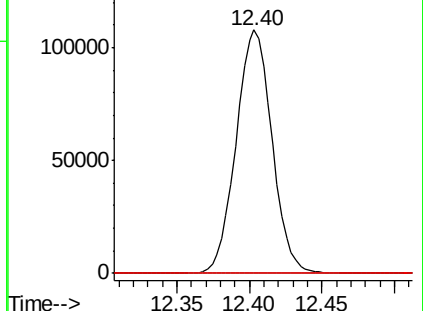
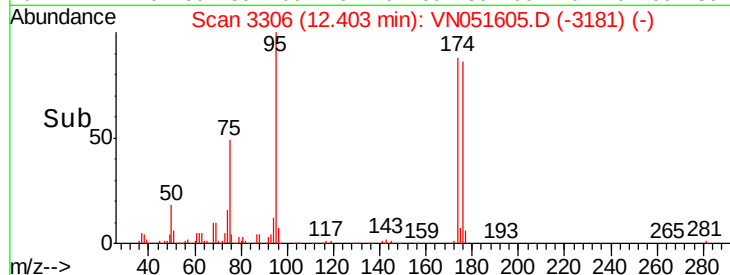
89 0.1 36.7 55.1#



Abundance Ion 74.90 (74.60 to 75.60): VN051605.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN051605.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN051605.D (-3181) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.296 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051605.D

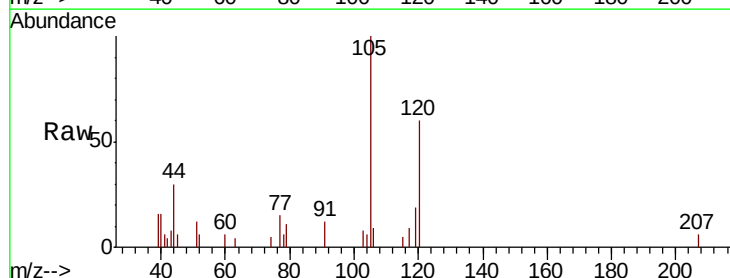
Acq: 28 Sep 2018 00:39

Tgt Ion: 105 Resp: 6220

Ion Ratio Lower Upper

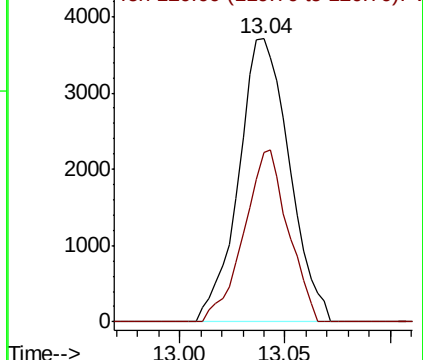
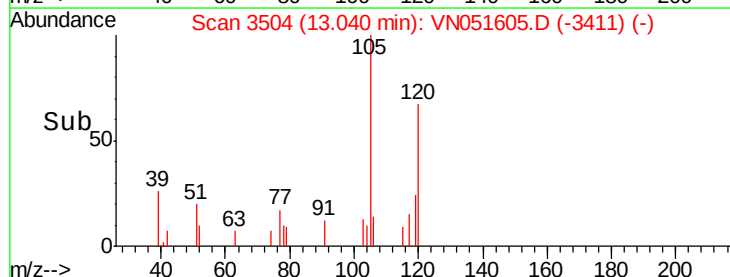
105 100

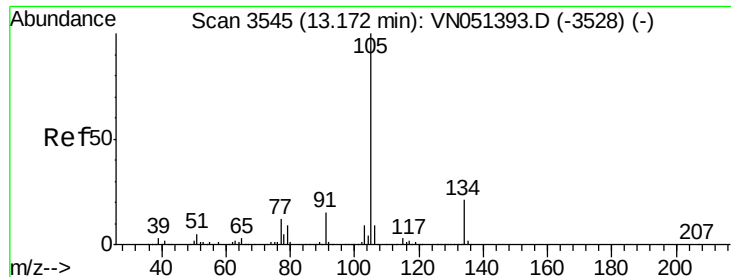
120 52.8 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): VN051605.D (-3411) (-)

Ion 120.00 (119.70 to 120.70): VN051605.D (-3411) (-)





#85

sec-Butylbenzene

Concen: 0.247 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

Instrument :

MSVOA_N

ClientSampleId :

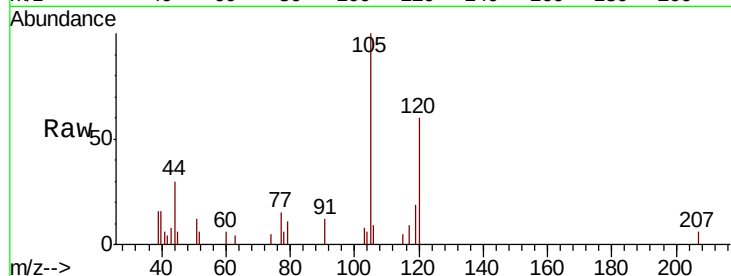
7211975

Tot Ion:105 Resp: 6220

Ion Ratio Lower Upper

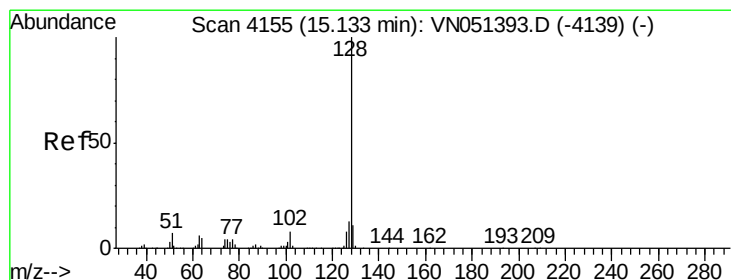
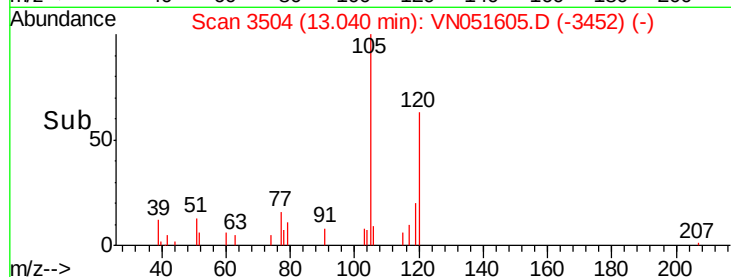
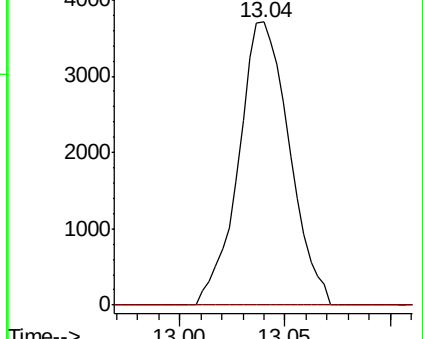
105 100

134 0.0 10.4 31.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#95

Naphthalene

Concen: 8.372 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN051605.D

Acq: 28 Sep 2018 00:39

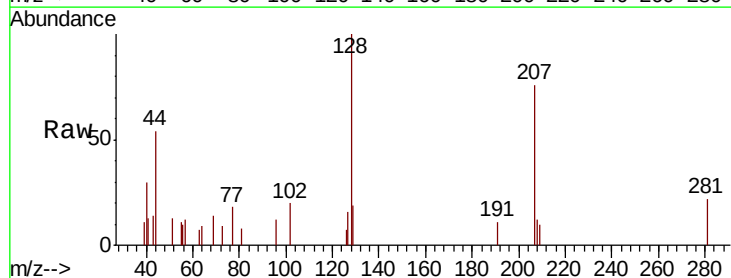
Tgt Ion:128 Resp: 4400

Ion Ratio Lower Upper

128 100

127 9.5 10.5 15.7#

129 12.1 8.6 12.8



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

