

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022719\
 Data File : VN053989.D
 Acq On : 28 Feb 2019 00:38
 Operator : JC/SP
 Sample : K1650-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 28 07:23:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	567028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1092609	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1051089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	392216	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	386028	58.08	ug/l	0.00
Spiked Amount			Recovery	=	116.16%	
35) Dibromofluoromethane	7.59	113	352319	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	10.09	98	1359650	51.69	ug/l	0.00
Spiked Amount			Recovery	=	103.38%	
62) 4-Bromofluorobenzene	12.40	95	461194	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

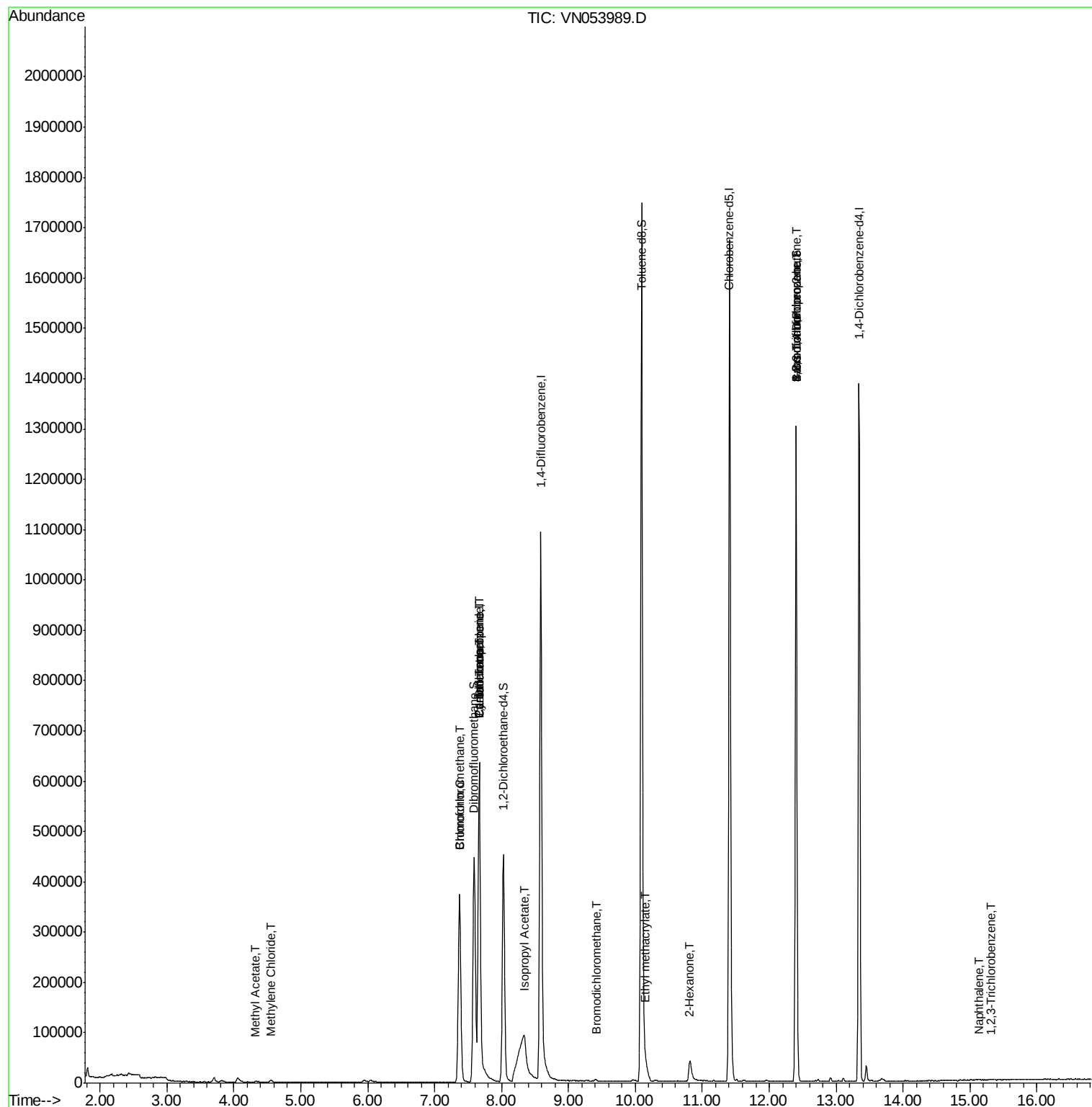
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	4334	Below Cal	#	86
18) Methyl Acetate	4.32	43	3162	0.680	ug/l #	59
20) Methylene Chloride	4.55	84	2321	0.353	ug/l #	77
28) Bromochloromethane	7.37	49	31191	5.867	ug/l #	6
30) Chloroform	7.37	83	408608	36.281	ug/l	98
31) Cyclohexane	7.67	56	10795	0.611	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42498	4.183	ug/l #	46
38) Carbon Tetrachloride	7.67	117	53047	5.020	ug/l #	16
43) Isopropyl Acetate	8.34	43	265221	21.651	ug/l #	59
47) Bromodichloromethane	9.41	83	3170	0.308	ug/l #	93
56) Ethyl methacrylate	10.15	69	30	1.958	ug/l #	1
59) 2-Hexanone	10.82	43	18682	4.563	ug/l #	46
71) Bromoform	12.40	173	3650	0.656	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	223153	35.467	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	223153	112.098	ug/l #	15
95) Naphthalene	15.14	128	1381	3.295	ug/l #	75
96) 1,2,3-Trichlorobenzene	15.32	180	30	1.562	ug/l #	13

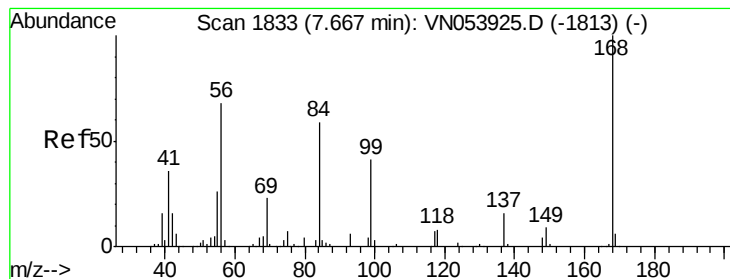
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 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: VN053989.D

Acq: 28 Feb 2019 00:38

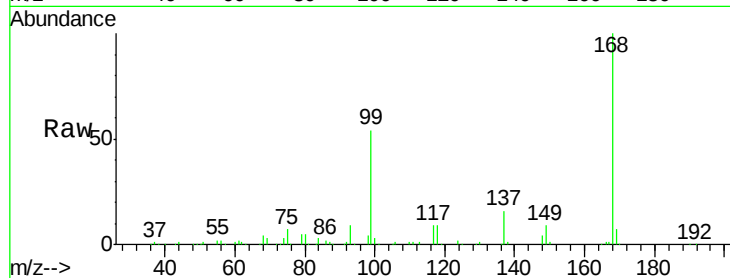
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 567028

Ion Ratio Lower Upper

168 100

99 53.5 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053925.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1813) (-)

7.67

250000

200000

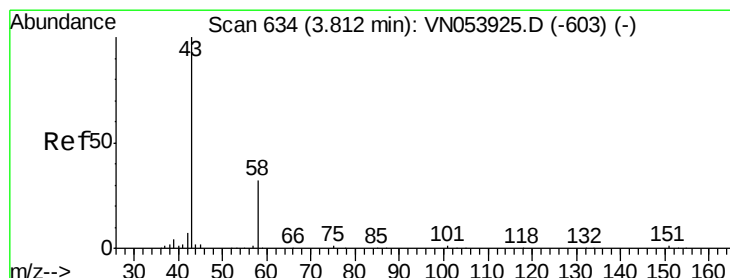
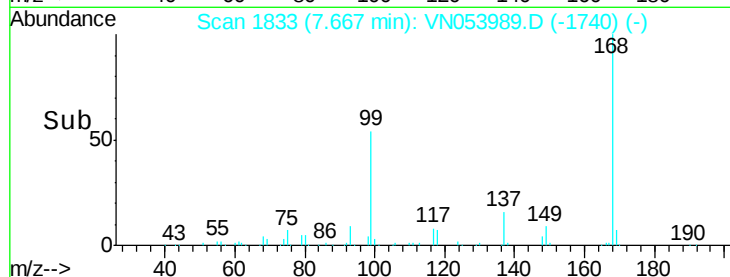
150000

100000

50000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053989.D

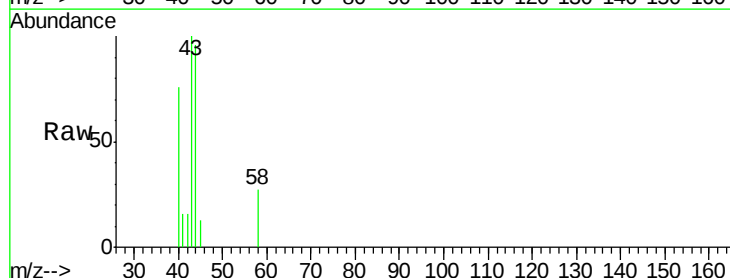
Acq: 28 Feb 2019 00:38

Tgt Ion: 43 Resp: 4334

Ion Ratio Lower Upper

43 100

58 26.7 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)

3.82

2500

2000

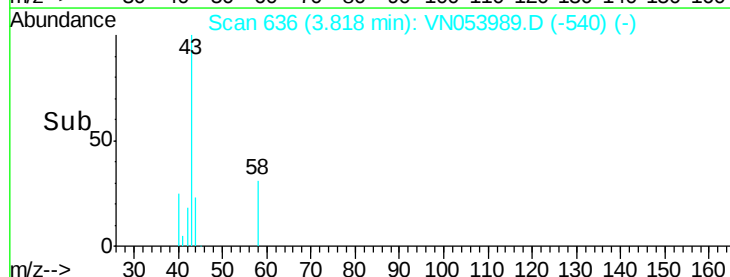
1500

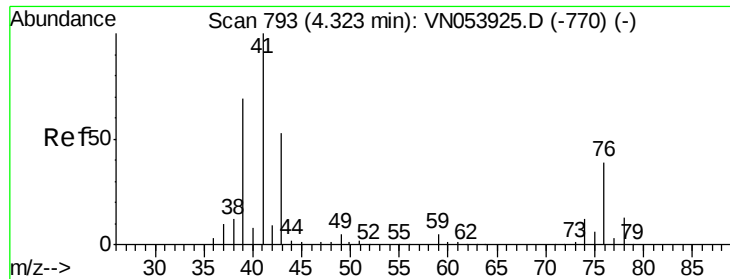
1000

500

0

Time-->

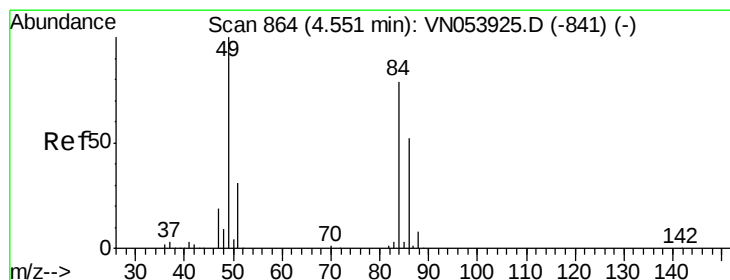
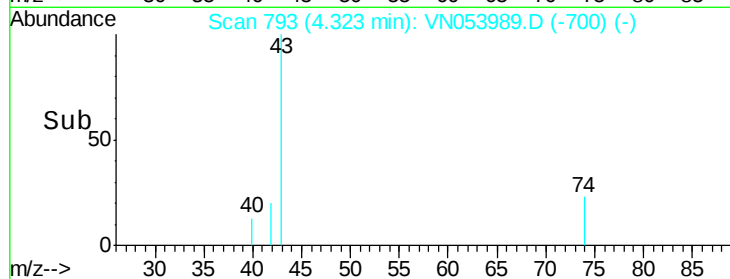
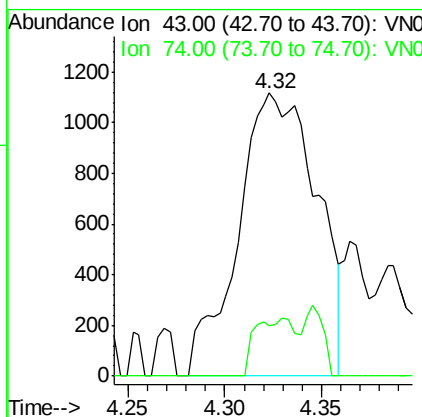
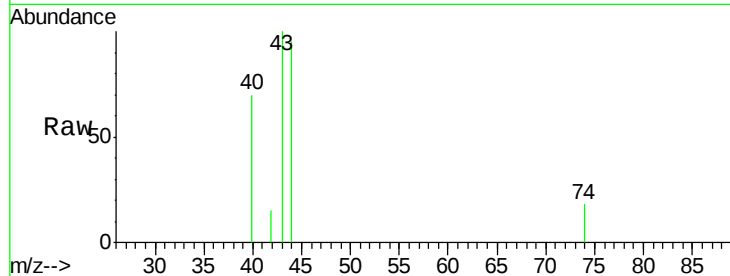




#18
Methyl Acetate
Concen: 0.680 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053989.D
Acq: 28 Feb 2019 00:38

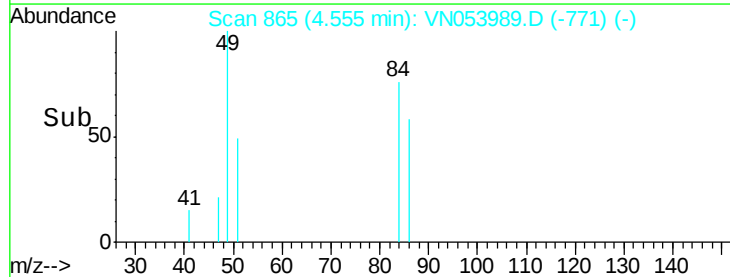
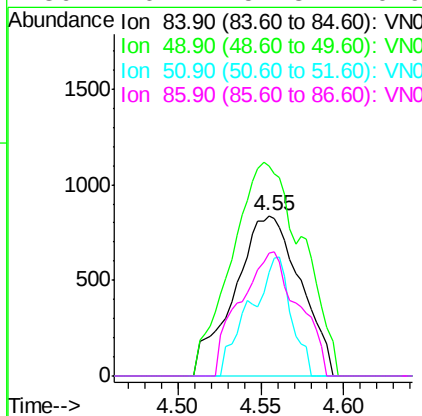
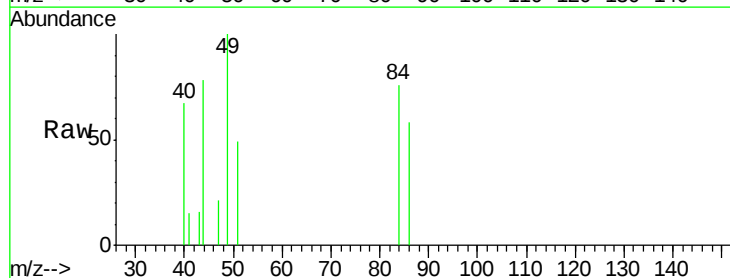
Instrument :
MSVOA_N
ClientSampled :

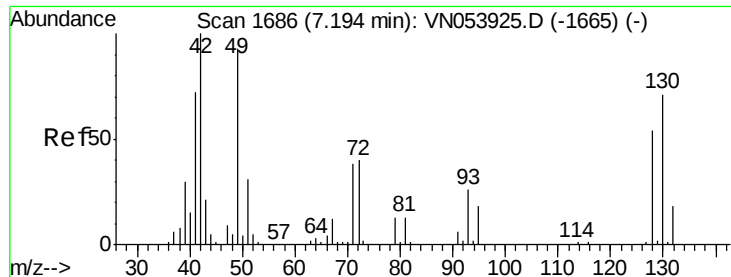
Tot Ion: 43 Resp: 3162
Ion Ratio Lower Upper
43 100
74 4.8 20.5 30.7#



#20
Methylene Chloride
Concen: 0.353 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053989.D
Acq: 28 Feb 2019 00:38

Tgt Ion: 84 Resp: 2321
Ion Ratio Lower Upper
84 100
49 131.1 89.7 134.5
51 64.5 27.8 41.8#
86 76.4 51.3 76.9





#28

Bromochloromethane

Concen: 5.867 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.18 min

Lab File: VN053989.D

Acq: 28 Feb 2019 00:38

Instrument :
MSVOA_N
ClientSampled :

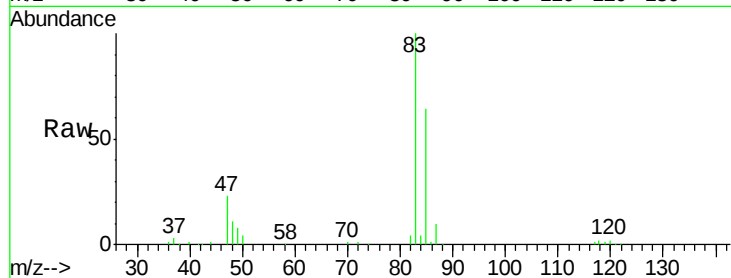
Tot Ion: 49 Resp: 31191

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.6

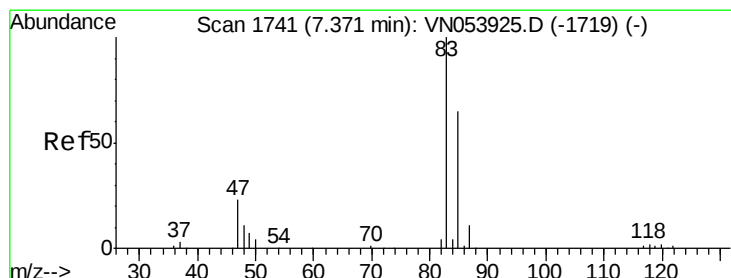
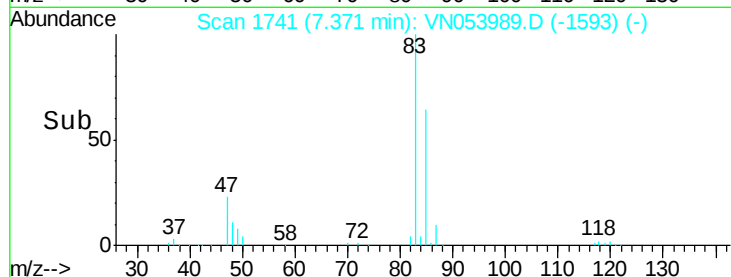
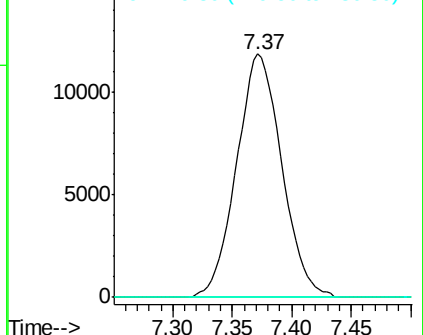
130 0.0 72.9 109.3#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#30

Chloroform

Concen: 36.281 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN053989.D

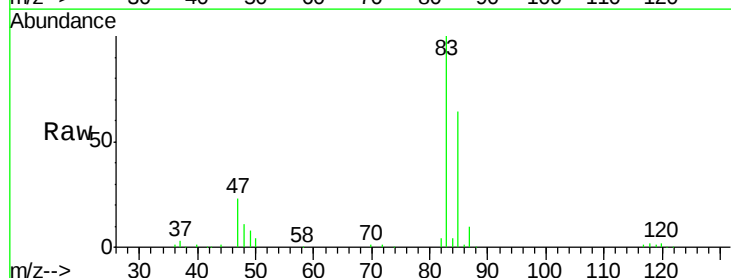
Acq: 28 Feb 2019 00:38

Tgt Ion: 83 Resp: 408608

Ion Ratio Lower Upper

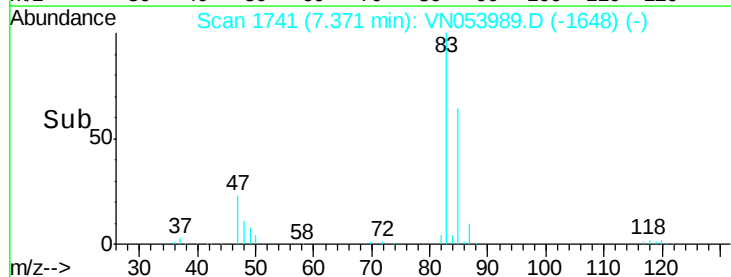
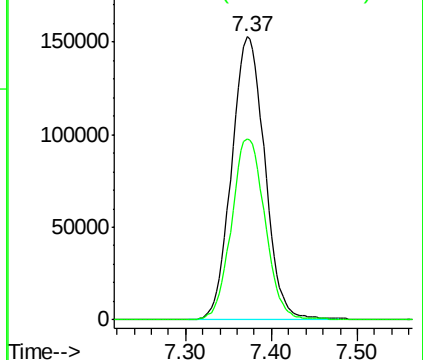
83 100

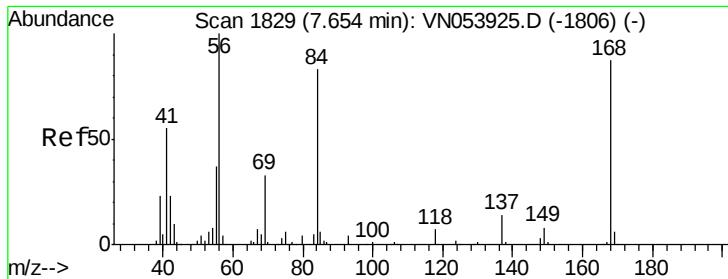
85 64.0 52.6 78.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 0.611 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN053989.D

Acq: 28 Feb 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

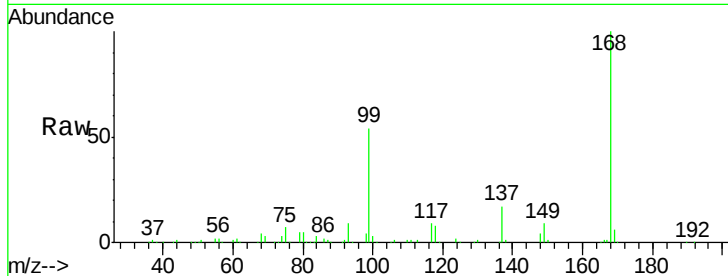
Tot Ion: 56 Resp: 10795

Ion Ratio Lower Upper

56 100

69 161.2 26.0 39.0#

84 157.6 69.1 103.7#

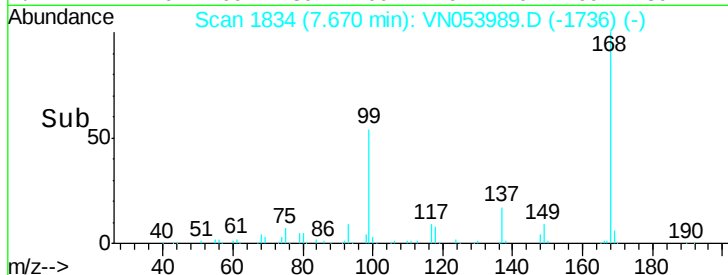


Abundance Ion 56.00 (55.70 to 56.70): VN053925.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN053925.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN053925.D (-1806) (-)

Time-->

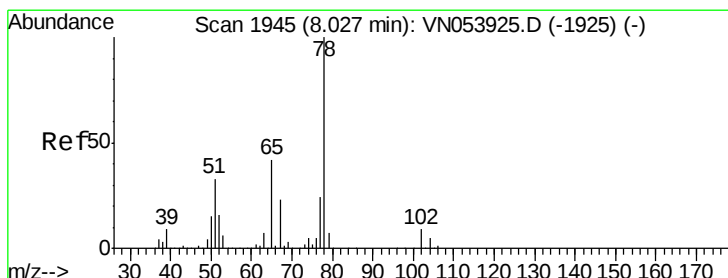


Abundance Ion 56.00 (55.70 to 56.70): VN053989.D (-1736) (-)

Ion 69.00 (68.70 to 69.70): VN053989.D (-1736) (-)

Ion 84.00 (83.70 to 84.70): VN053989.D (-1736) (-)

Time-->



#33

1,2-Dichloroethane-d4

Concen: 58.077 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053989.D

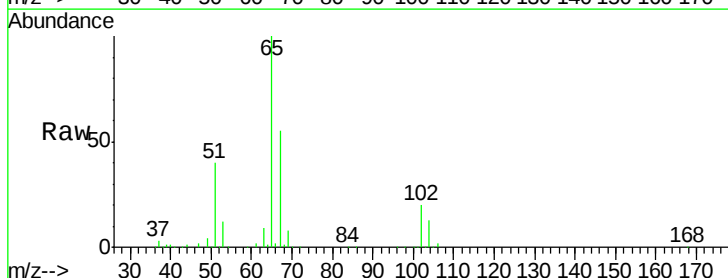
Acq: 28 Feb 2019 00:38

Tgt Ion: 65 Resp: 386028

Ion Ratio Lower Upper

65 100

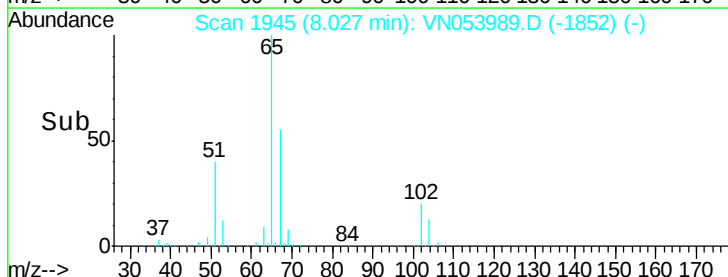
67 54.6 0.0 111.8



Abundance Ion 64.90 (64.60 to 65.60): VN053925.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN053925.D (-1925) (-)

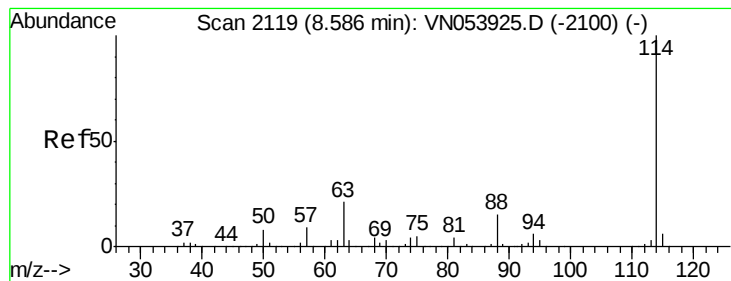
Time-->



Abundance Ion 64.90 (64.60 to 65.60): VN053989.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN053989.D (-1852) (-)

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN053989.D

Acq: 28 Feb 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

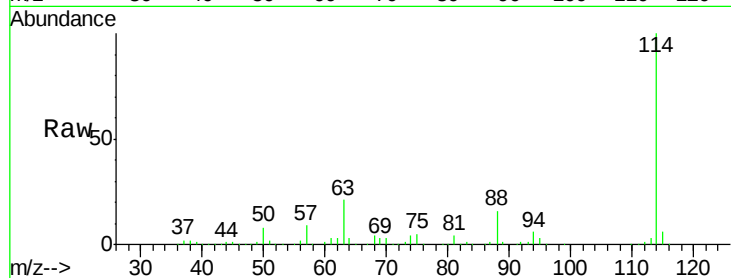
Tot Ion:114 Resp: 1092609

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

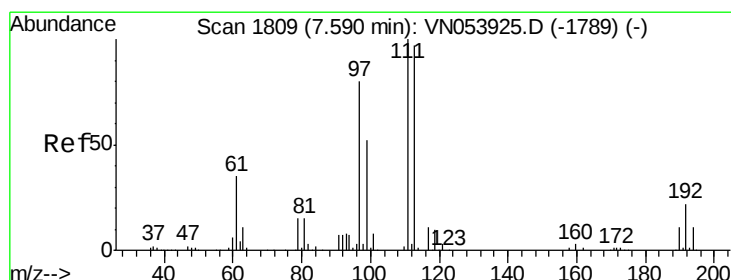
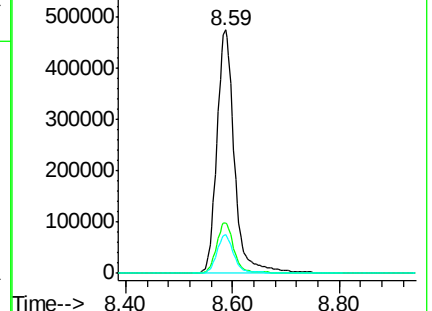
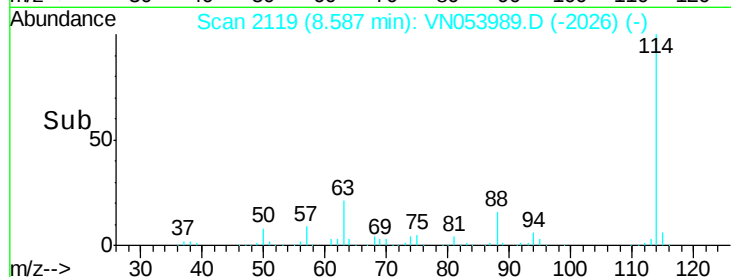
88 15.7 0.0 30.4



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: 49.865 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053989.D

Acq: 28 Feb 2019 00:38

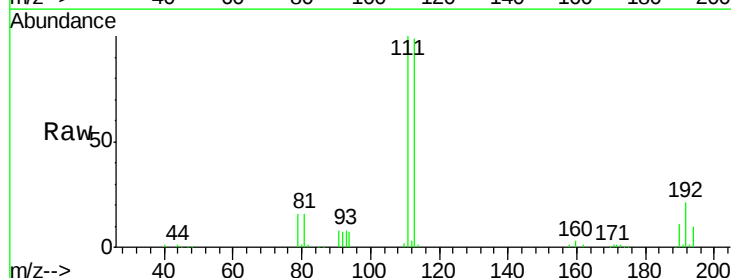
Tgt Ion:113 Resp: 352319

Ion Ratio Lower Upper

113 100

111 102.4 81.1 121.7

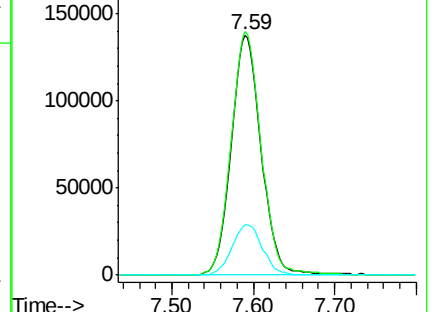
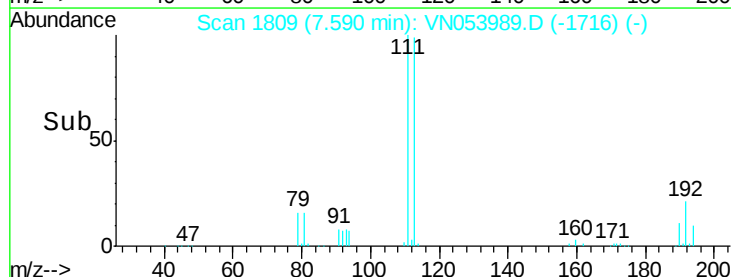
192 21.3 18.8 28.2

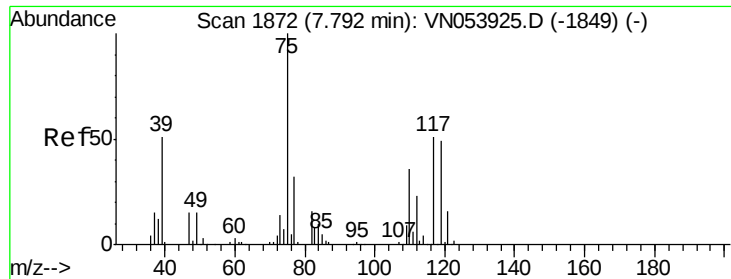


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

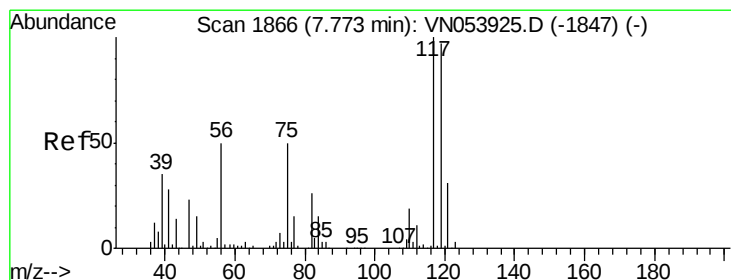
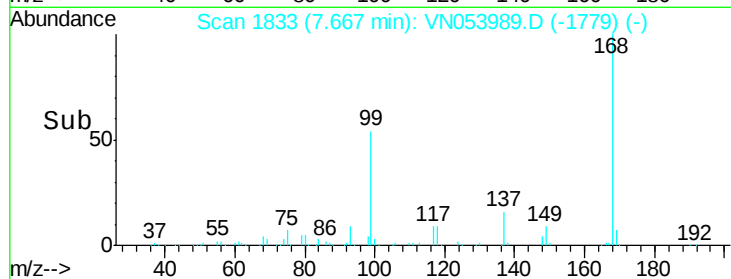
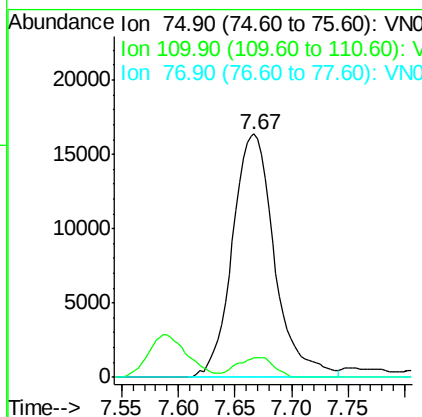
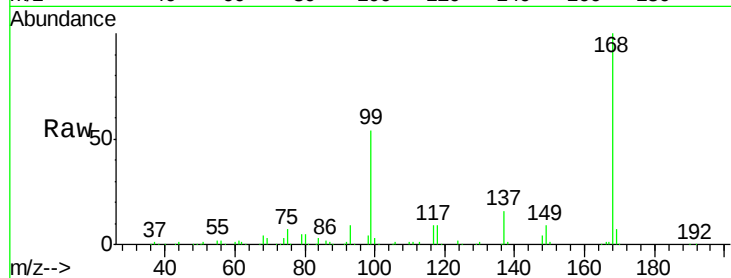




#36
 1,1-Dichloropropene
 Concen: 4.183 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN053989.D
 Acq: 28 Feb 2019 00:38

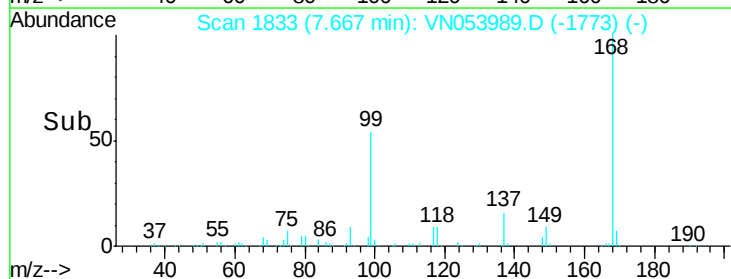
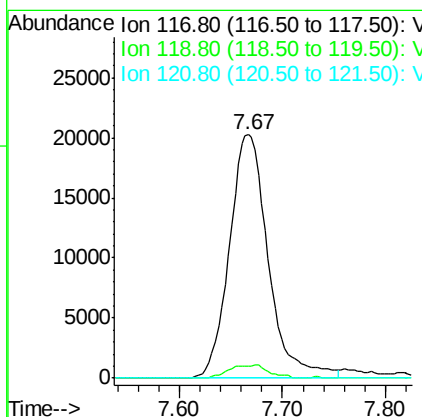
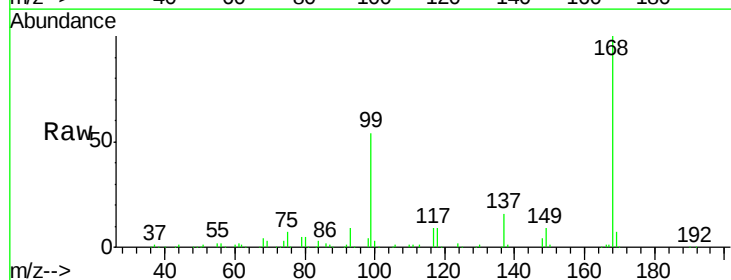
Instrument :
 MSVOA_N
 ClientSampleId :

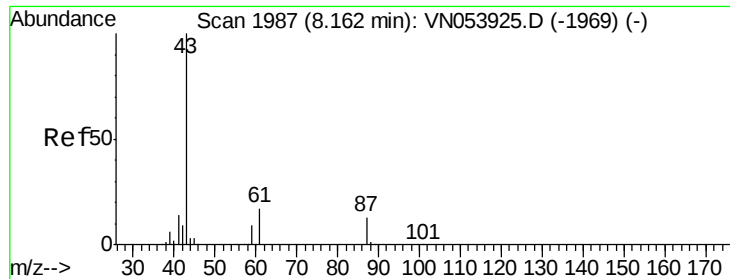
Tot Ion: 75 Resp: 42498
 Ion Ratio Lower Upper
 75 100
 110 7.3 19.0 57.0#
 77 0.0 25.4 38.0#



#38
 Carbon Tetrachloride
 Concen: 5.020 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN053989.D
 Acq: 28 Feb 2019 00:38

Tgt Ion: 117 Resp: 53047
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.2 114.2#
 121 0.0 24.6 36.8#



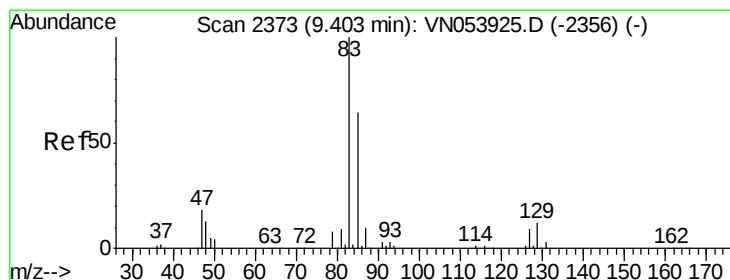
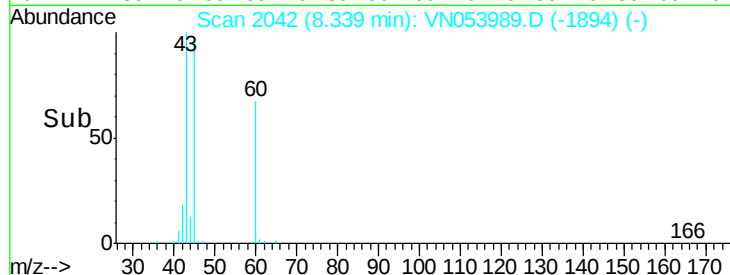
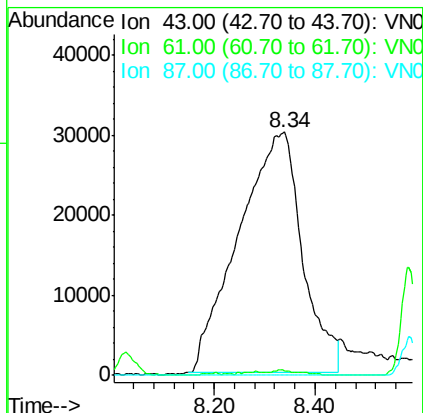
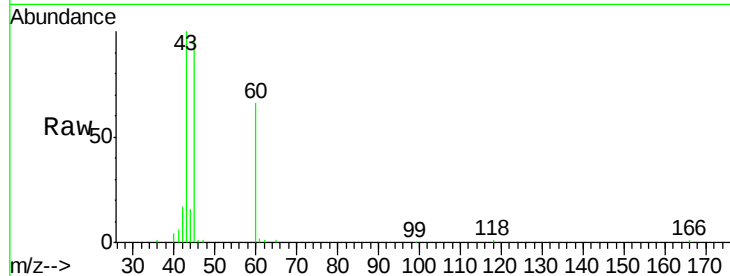


#43

Isopropyl Acetate
 Concen: 21.651 ug/l
 RT: 8.34 min Scan# 2042
 Delta R.T. 0.18 min
 Lab File: VN053989.D
 Acq: 28 Feb 2019 00:38

Instrument :
 MSVOA_N
 ClientSampled :

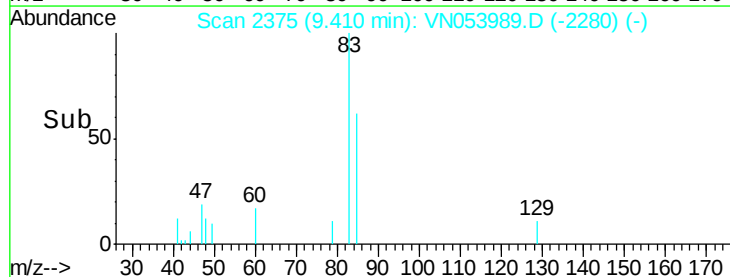
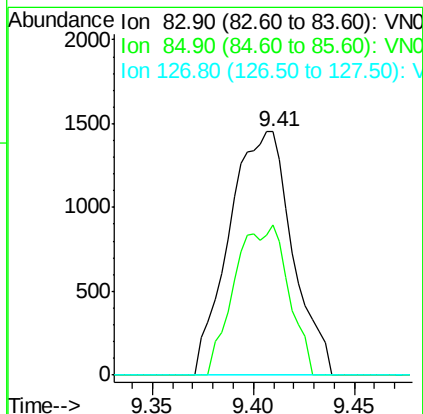
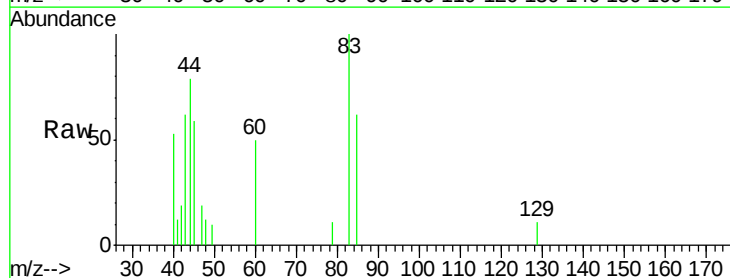
Tot Ion: 43 Resp: 265221
 Ion Ratio Lower Upper
 43 100
 61 0.3 17.4 26.0#
 87 0.0 11.5 17.3#

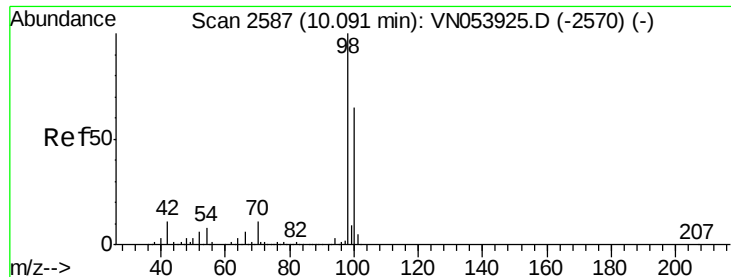


#47

Bromodichloromethane
 Concen: 0.308 ug/l
 RT: 9.41 min Scan# 2375
 Delta R.T. 0.01 min
 Lab File: VN053989.D
 Acq: 28 Feb 2019 00:38

Tgt Ion: 83 Resp: 3170
 Ion Ratio Lower Upper
 83 100
 85 61.5 51.8 77.6
 127 0.0 7.4 11.0#





#50

Toluene-d8

Concen: 51.695 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053989.D

Acq: 28 Feb 2019 00:38

Instrument :

MSVOA_N

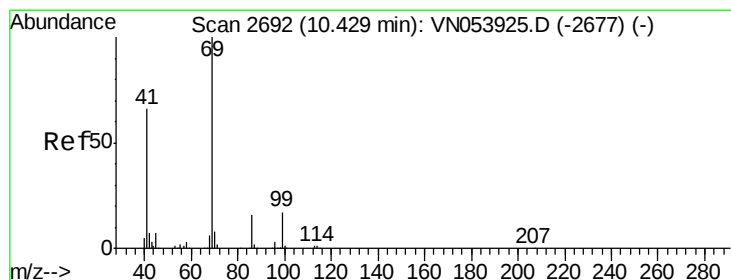
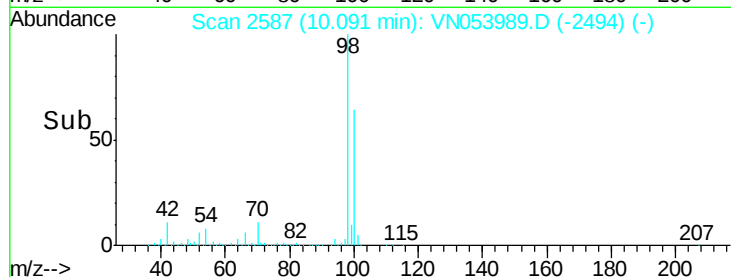
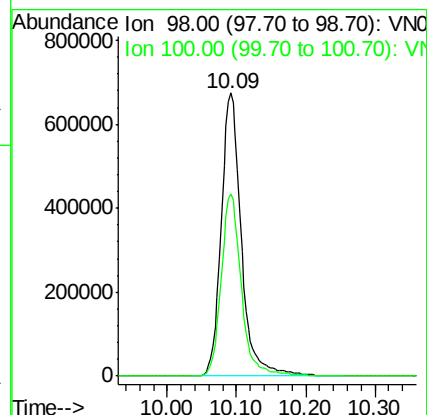
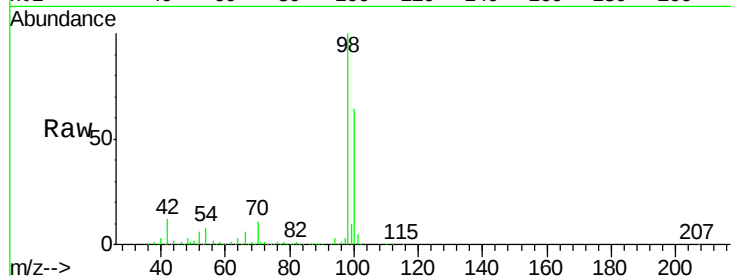
ClientSampleId :

Tot Ion: 98 Resp: 1359650

Ion Ratio Lower Upper

98 100

100 64.3 51.9 77.9



#56

Ethyl methacrylate

Concen: 1.958 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.28 min

Lab File: VN053989.D

Acq: 28 Feb 2019 00:38

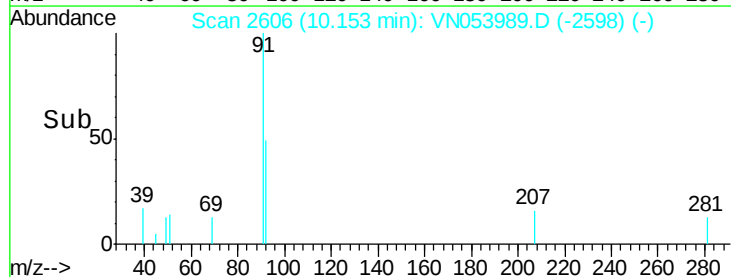
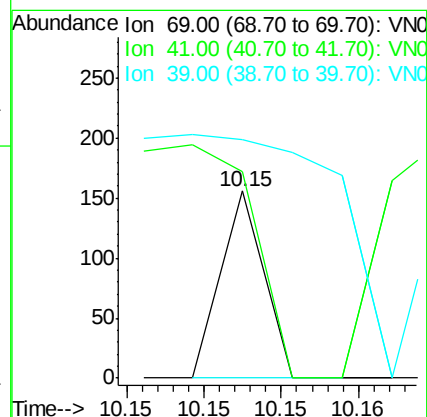
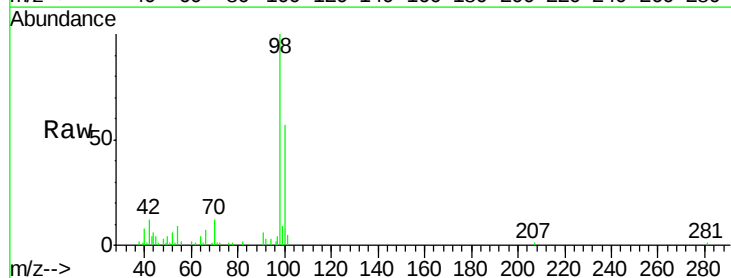
Tgt Ion: 69 Resp: 30

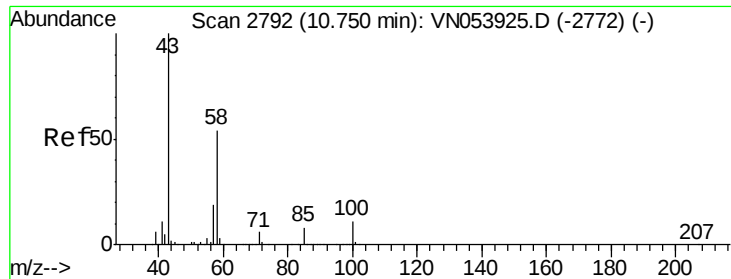
Ion Ratio Lower Upper

69 100

41 503.3 47.5 71.3#

39 733.3 23.4 35.0#

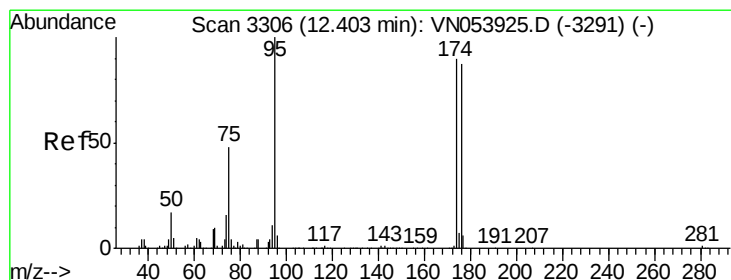
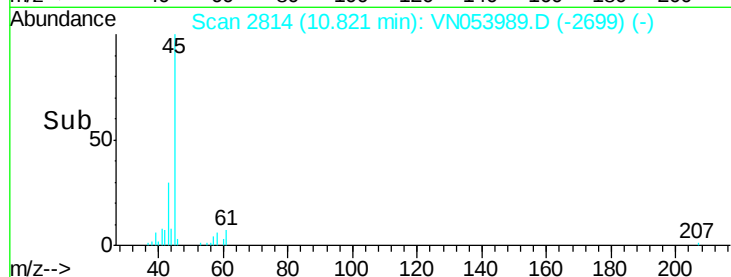
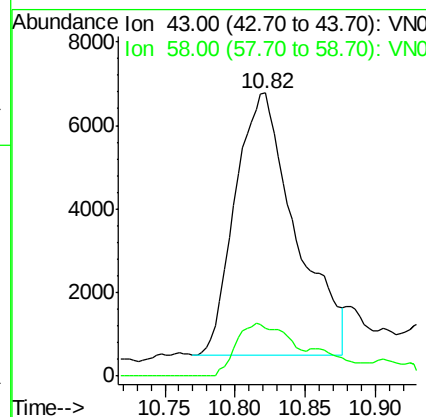
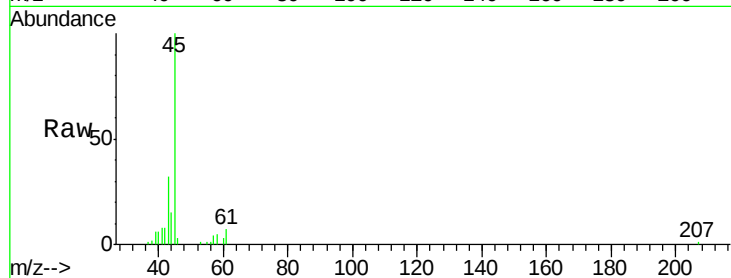




#59
2-Hexanone
Concen: 4.563 ug/l
RT: 10.82 min Scan# 2814
Delta R.T. 0.07 min
Lab File: VN053989.D
Acq: 28 Feb 2019 00:38

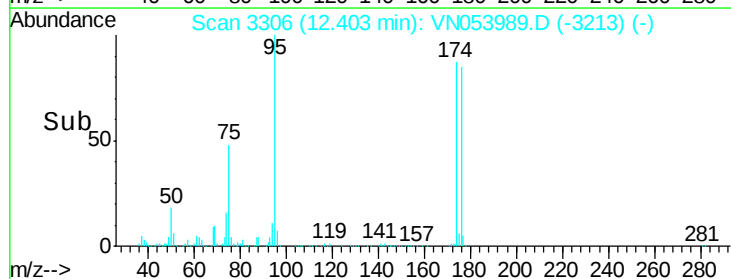
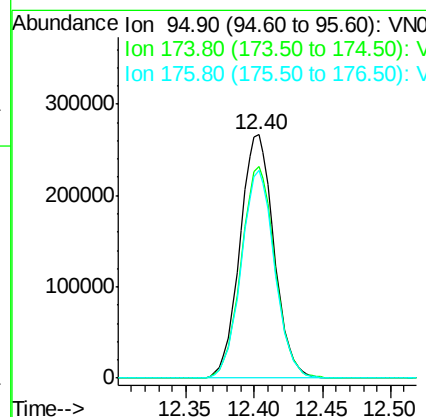
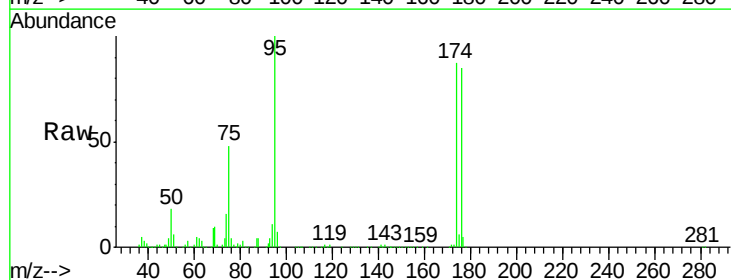
Instrument :
MSVOA_N
ClientSampled :

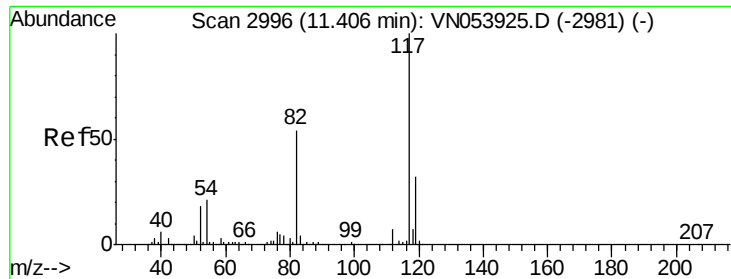
Tot Ion: 43 Resp: 18682
Ion Ratio Lower Upper
43 100
58 18.1 29.1 87.4#



#62
4-Bromofluorobenzene
Concen: 52.630 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN053989.D
Acq: 28 Feb 2019 00:38

Tgt Ion: 95 Resp: 461194
Ion Ratio Lower Upper
95 100
174 86.5 0.0 188.8
176 83.8 0.0 182.6

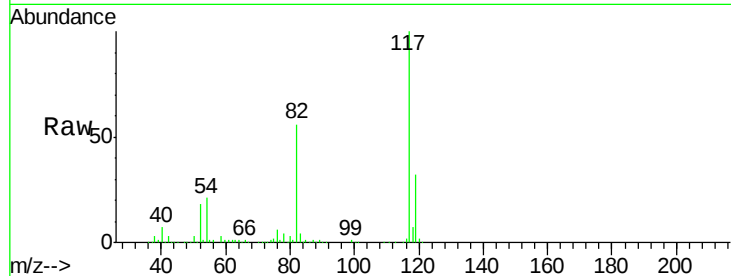




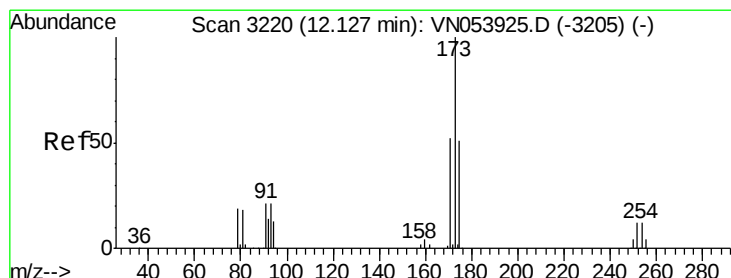
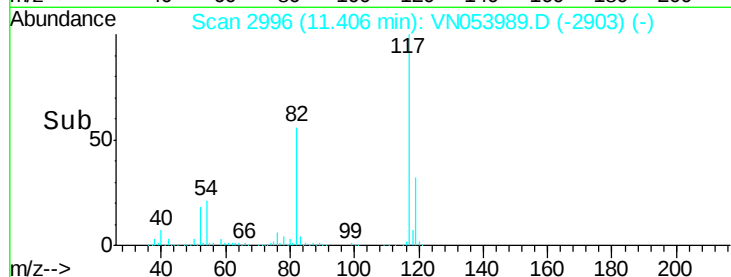
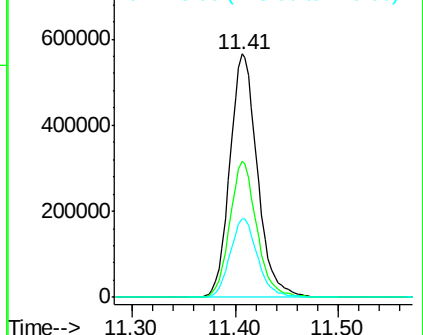
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053989.D
Acq: 28 Feb 2019 00:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1051089
Ion Ratio Lower Upper
117 100
82 56.2 41.4 62.2
119 32.3 25.3 37.9

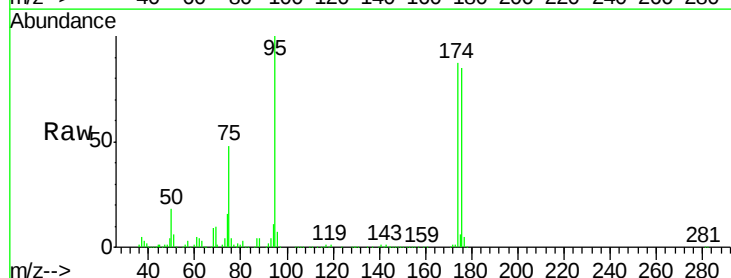


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

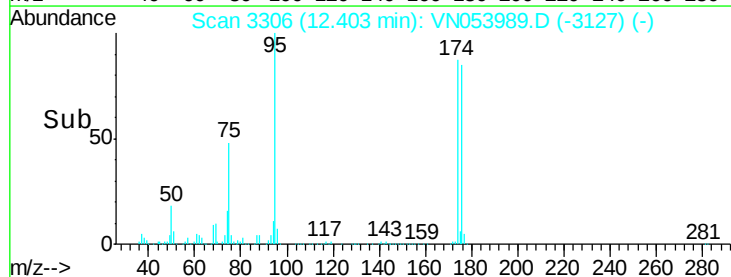
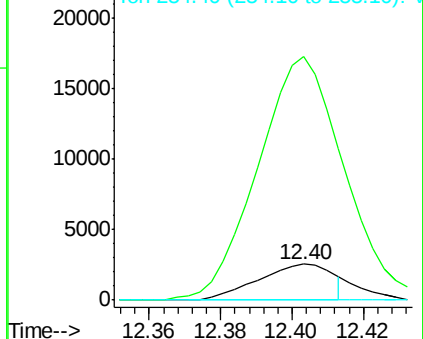


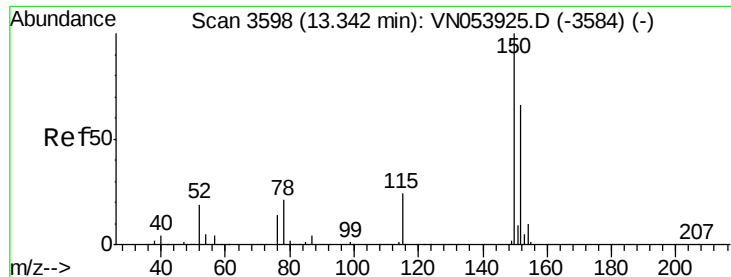
#71
Bromoform
Concen: 0.656 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN053989.D
Acq: 28 Feb 2019 00:38

Tgt Ion:173 Resp: 3650
Ion Ratio Lower Upper
173 100
175 671.3 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



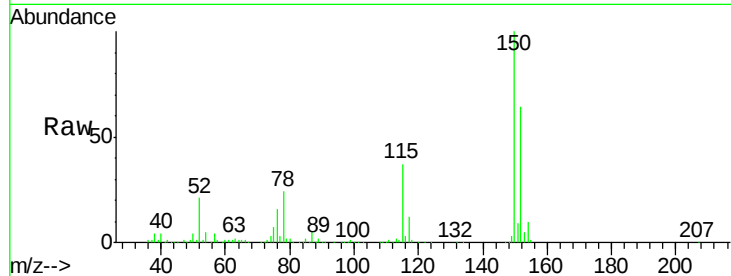


#72

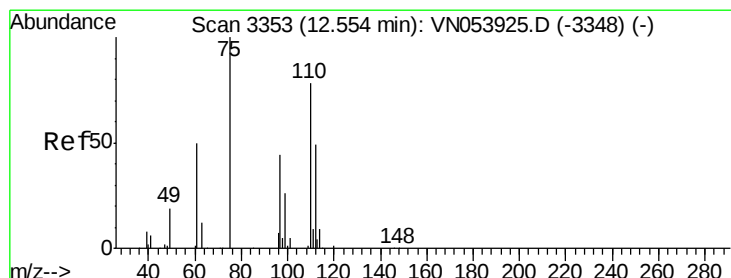
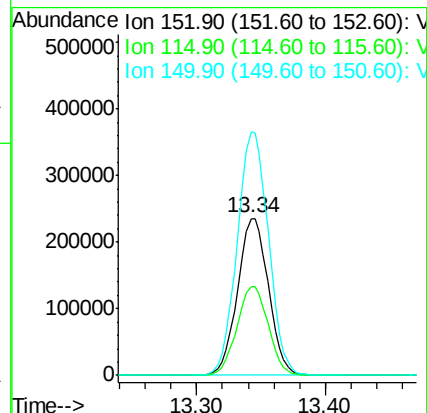
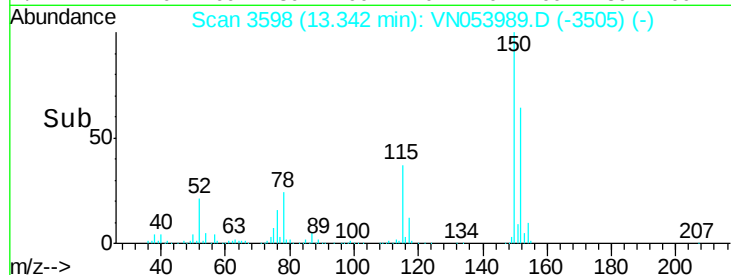
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053989.D
Acq: 28 Feb 2019 00:38

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 392216
Ion Ratio Lower Upper
152 100
115 57.3 27.2 81.6
150 156.8 0.0 348.2



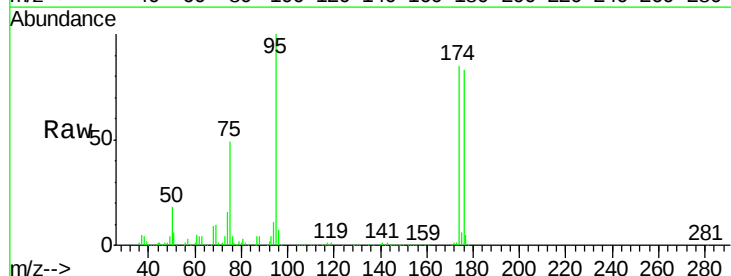
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



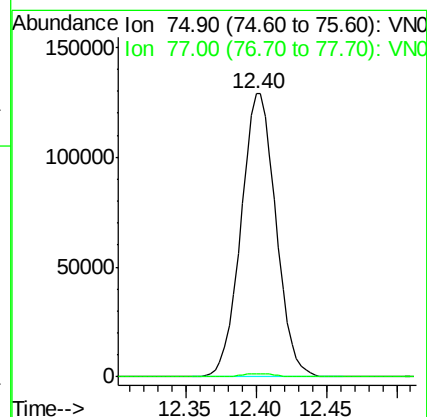
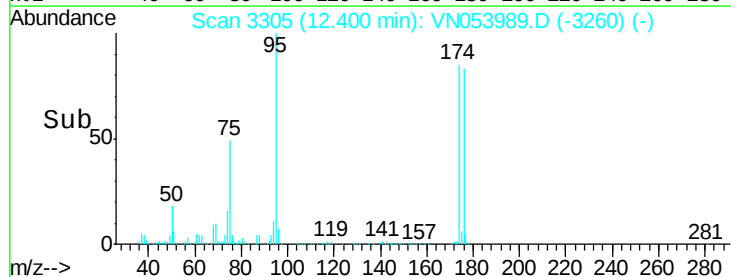
#76

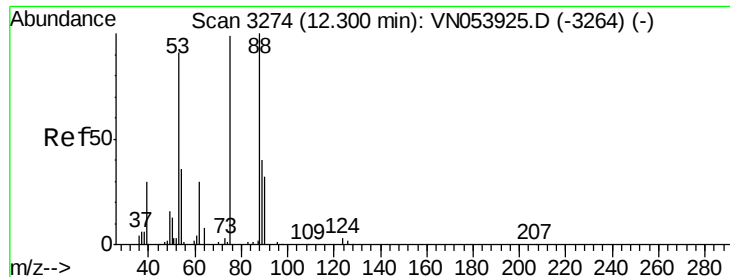
1,2,3-Trichloropropane
Concen: 35.467 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN053989.D
Acq: 28 Feb 2019 00:38

Tgt Ion: 75 Resp: 223153
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: 112.098 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053989.D

Acq: 28 Feb 2019 00:38

Instrument :

MSVOA_N

ClientSampleId :

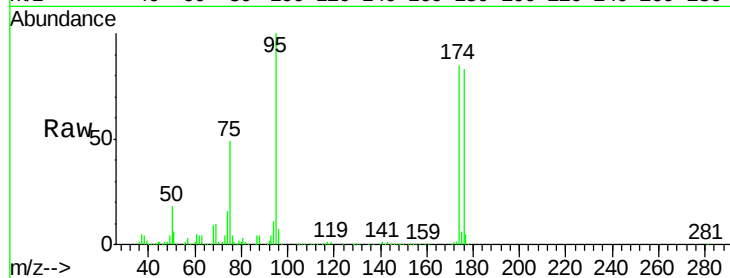
Tot Ion: 75 Resp: 223153

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053989.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053989.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053989.D (-3181) (-)

12.40

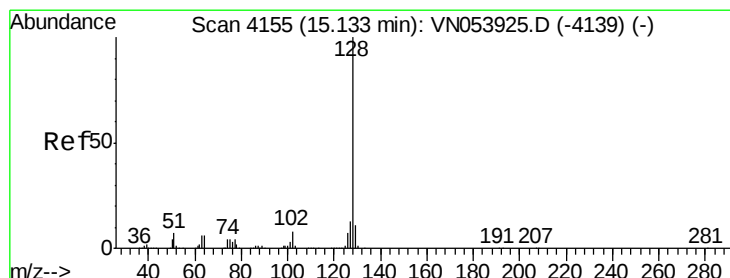
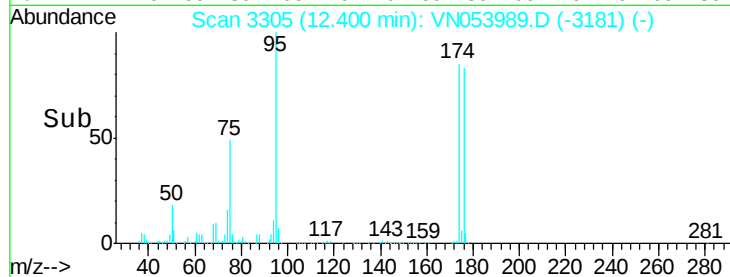
150000

100000

50000

0

Time-->



#95

Naphthalene

Concen: 3.295 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053989.D

Acq: 28 Feb 2019 00:38

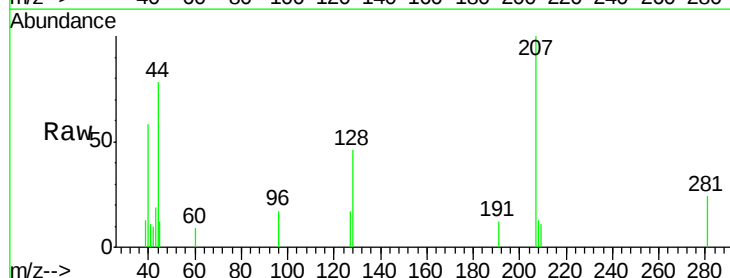
Tgt Ion: 128 Resp: 1381

Ion Ratio Lower Upper

128 100

127 21.8 10.2 15.2#

129 0.0 8.6 12.8#



Abundance Ion 128.00 (127.70 to 128.70): VN053989.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN053989.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN053989.D (-4061) (-)

15.14

1000

800

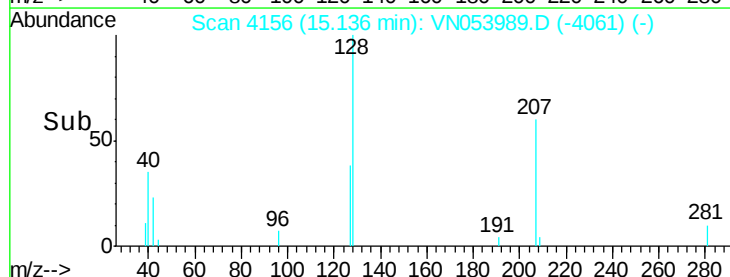
600

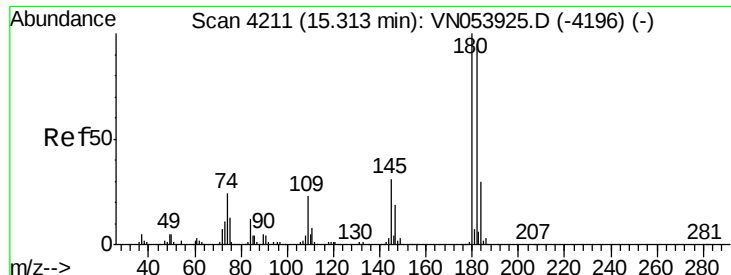
400

200

0

Time-->

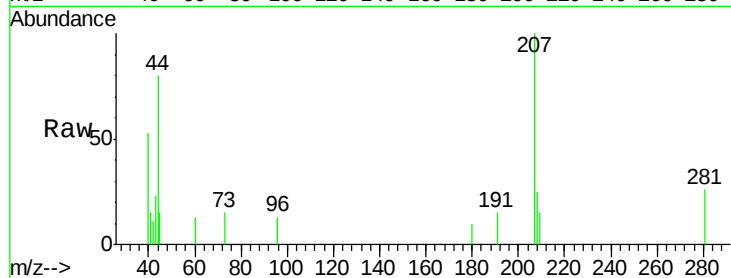




#96
 1,2,3-Trichlorobenzene
 Concen: 1.562 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053989.D
 Acq: 28 Feb 2019 00:38

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.3	141.8#
145	0.0	14.4	43.0#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

