

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022619\
 Data File : VN053947.D
 Acq On : 26 Feb 2019 11:36
 Operator : JC/SP
 Sample : VN0226WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0226WBL01

Quant Time: Feb 27 02:23:54 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 05:37:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	582338	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1041195	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	992156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	356188	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	372245	54.53	ug/l	0.00
Spiked Amount			Recovery	=	109.06%	
35) Dibromofluoromethane	7.59	113	339953	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	
50) Toluene-d8	10.09	98	1296329	51.72	ug/l	0.00
Spiked Amount			Recovery	=	103.44%	
62) 4-Bromofluorobenzene	12.40	95	426899	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	

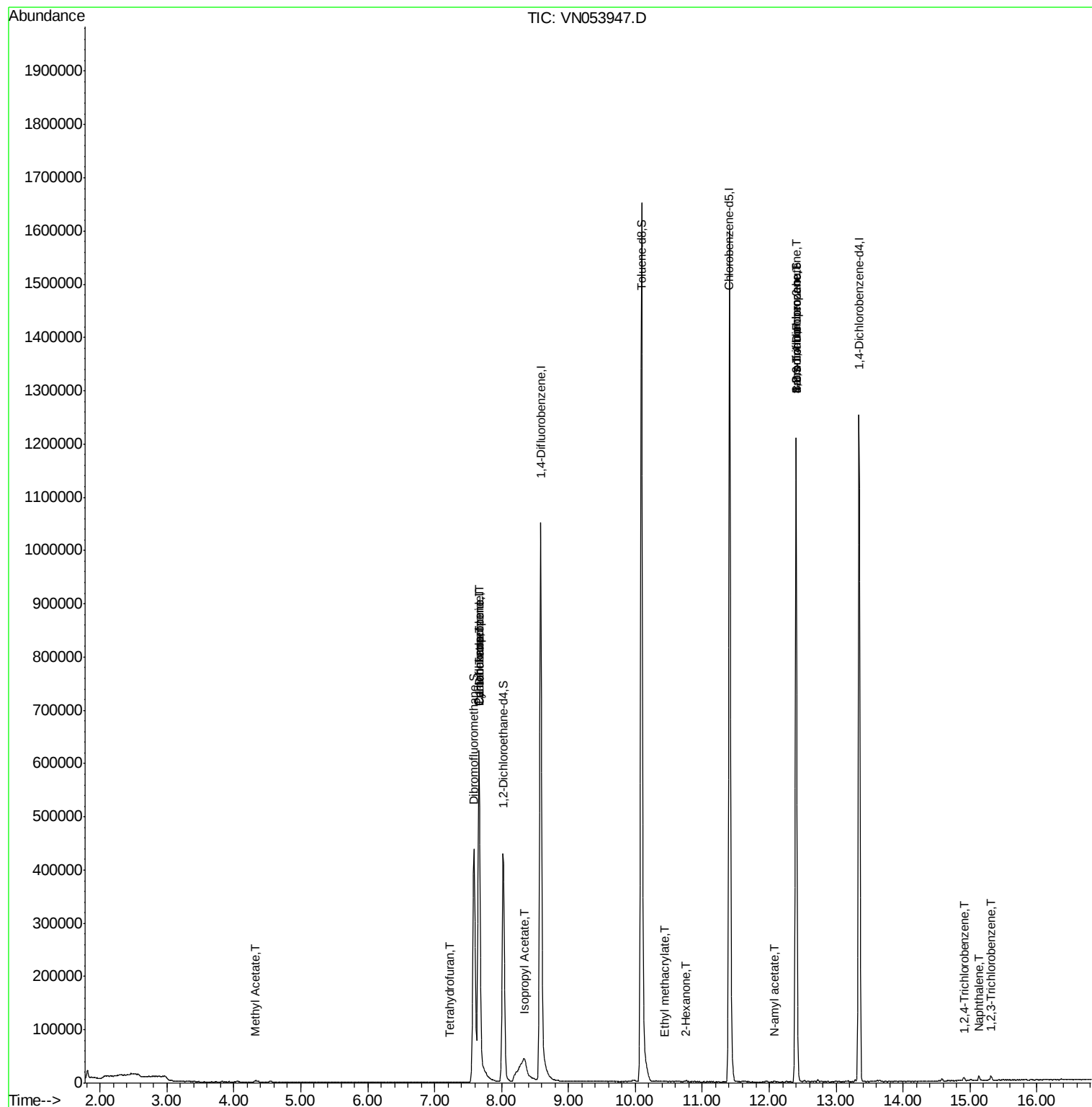
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	1015	Below Cal	#	84
18) Methyl Acetate	4.33	43	3527	0.739	ug/l #	85
29) Tetrahydrofuran	7.23	42	603	0.338	ug/l #	31
31) Cyclohexane	7.66	56	10866	0.590	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	40631	4.196	ug/l #	47
38) Carbon Tetrachloride	7.66	117	50949	5.059	ug/l #	16
43) Isopropyl Acetate	8.35	43	131454	11.261	ug/l #	59
56) Ethyl methacrylate	10.44	69	70	1.963	ug/l #	69
59) 2-Hexanone	10.76	43	1201	0.308	ug/l	90
71) Bromoform	12.40	173	3702	0.705	ug/l #	1
74) N-amyl acetate	12.08	43	1729	0.238	ug/l #	58
76) 1,2,3-Trichloropropane	12.40	75	208203	36.438	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	208203	115.167	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	2652	2.610	ug/l	94
95) Naphthalene	15.13	128	7348	3.699	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	3630	2.118	ug/l	98

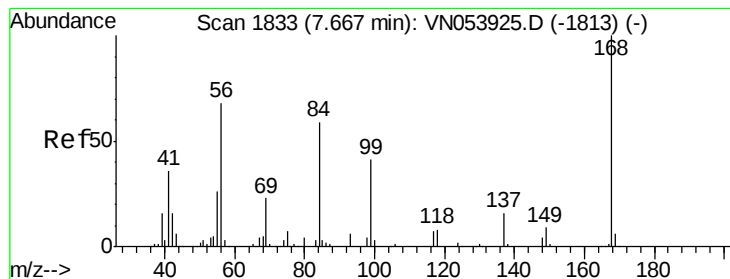
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 05:37:40 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

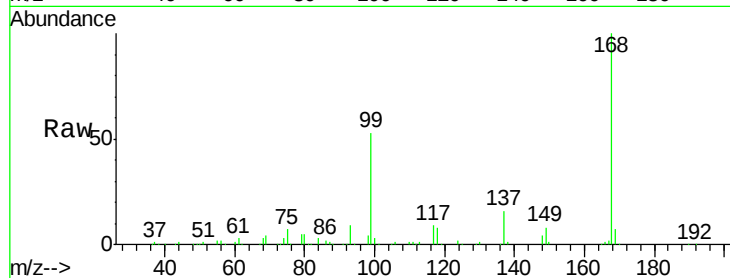
VN0226WBL01

Tot Ion:168 Resp: 582338

Ion Ratio Lower Upper

168 100

99 52.9 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) (-)

7.66

250000

200000

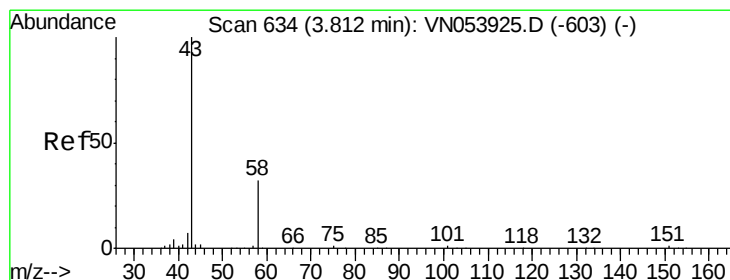
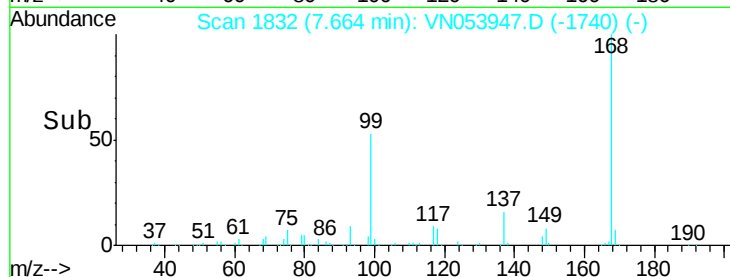
150000

100000

50000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN053947.D

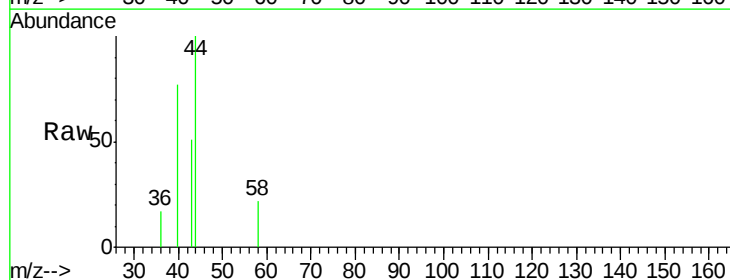
Acq: 26 Feb 2019 11:36

Tgt Ion: 43 Resp: 1015

Ion Ratio Lower Upper

43 100

58 43.6 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

600

500

400

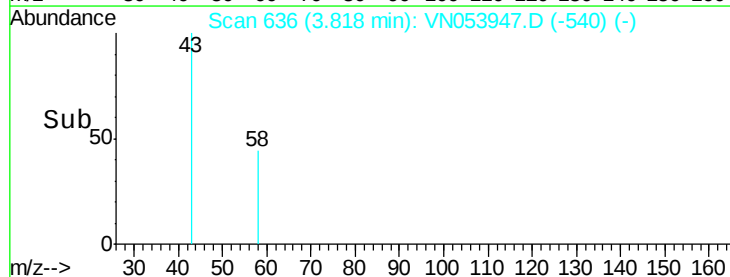
300

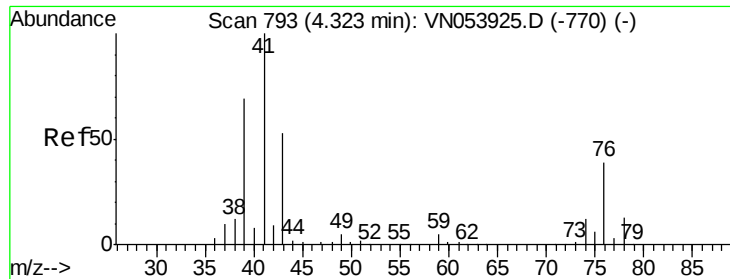
200

100

0

Time-->

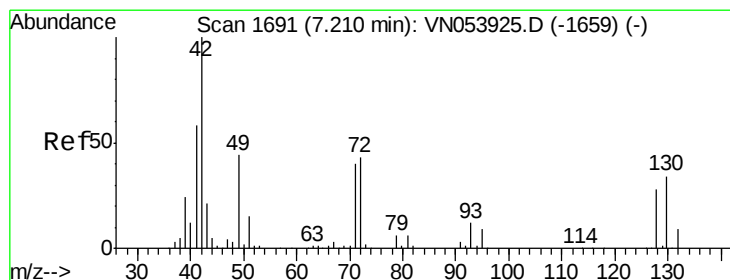
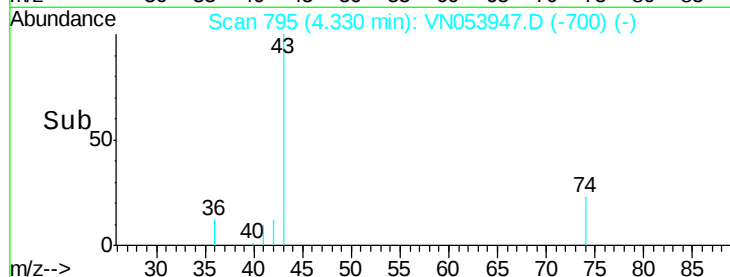
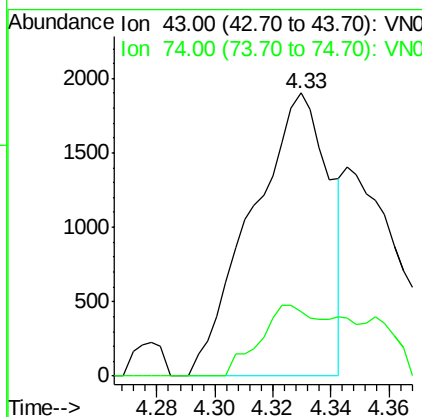
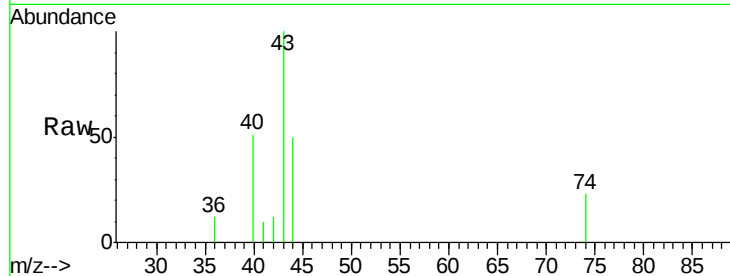




#18
Methyl Acetate
Concen: 0.739 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN053947.D
Acq: 26 Feb 2019 11:36

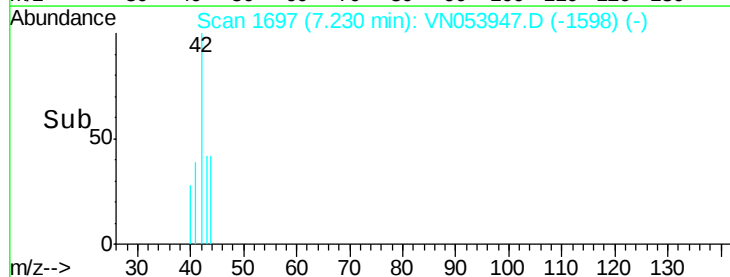
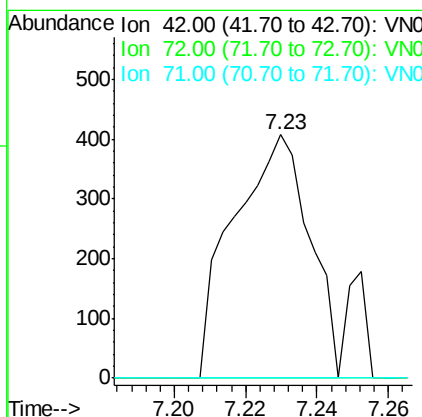
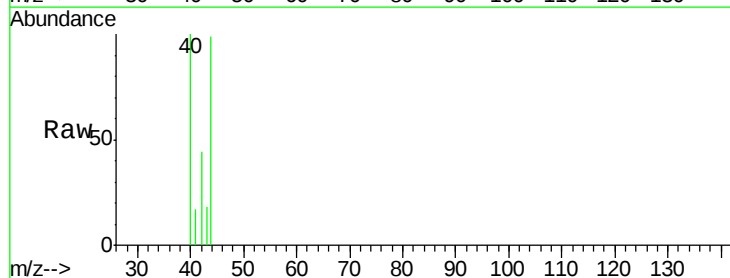
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

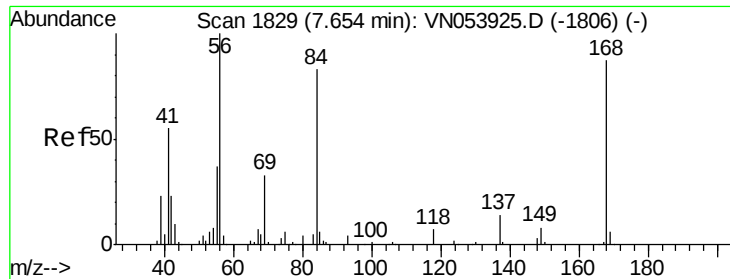
Tot Ion: 43 Resp: 3527
Ion Ratio Lower Upper
43 100
74 18.1 20.5 30.7#



#29
Tetrahydrofuran
Concen: 0.338 ug/l
RT: 7.23 min Scan# 1697
Delta R.T. 0.02 min
Lab File: VN053947.D
Acq: 26 Feb 2019 11:36

Tgt Ion: 42 Resp: 603
Ion Ratio Lower Upper
42 100
72 0.0 36.9 55.3#
71 0.0 34.6 52.0#





#31

Cyclohexane

Concen: 0.590 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0226WBL01

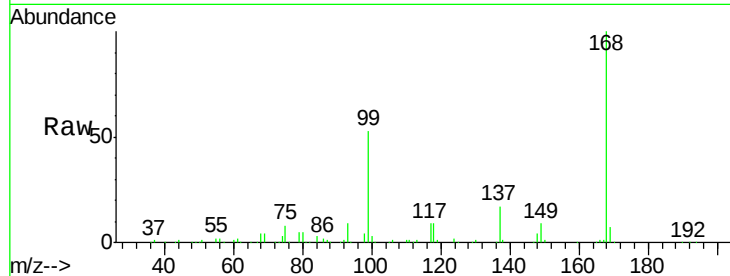
Tot Ion: 56 Resp: 10866

Ion Ratio Lower Upper

56 100

69 173.6 26.0 39.0#

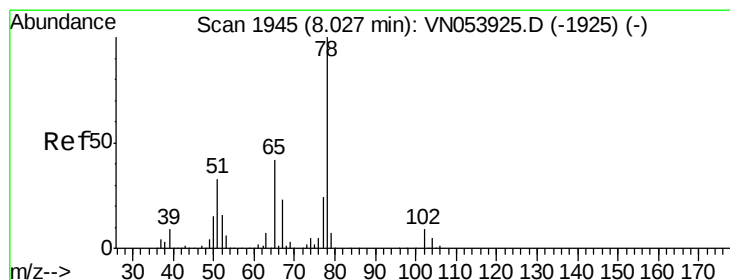
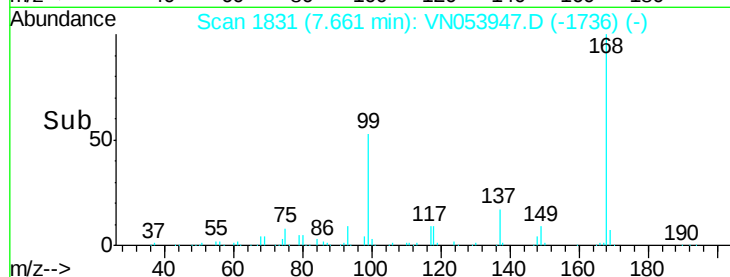
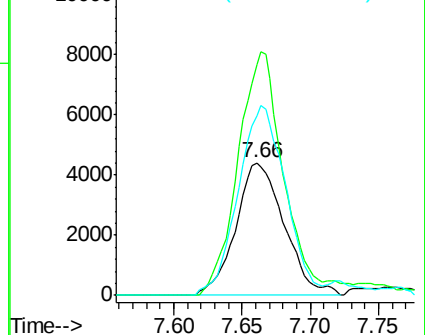
84 135.6 69.1 103.7#



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: 54.531 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN053947.D

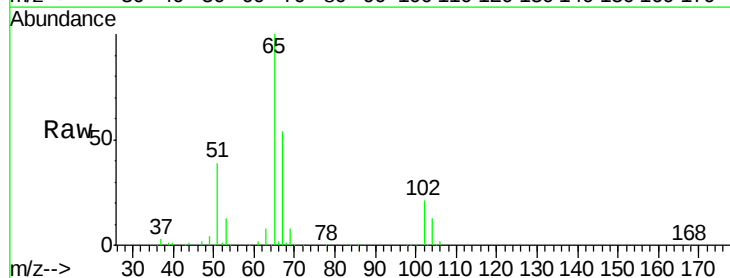
Acq: 26 Feb 2019 11:36

Tgt Ion: 65 Resp: 372245

Ion Ratio Lower Upper

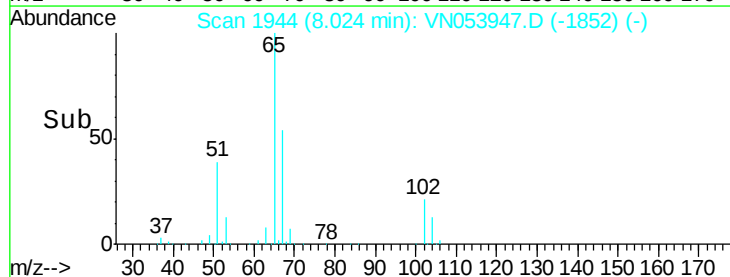
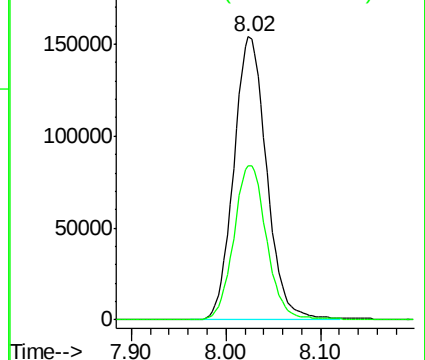
65 100

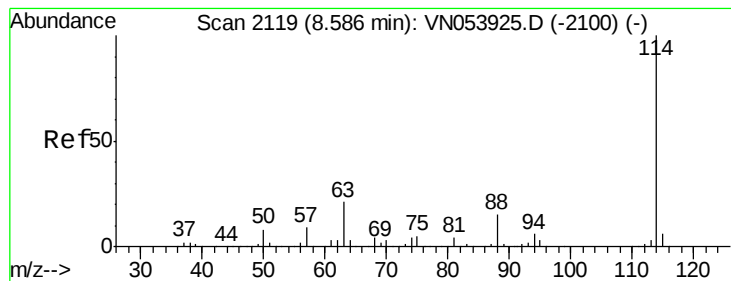
67 54.3 0.0 111.8



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: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBL01

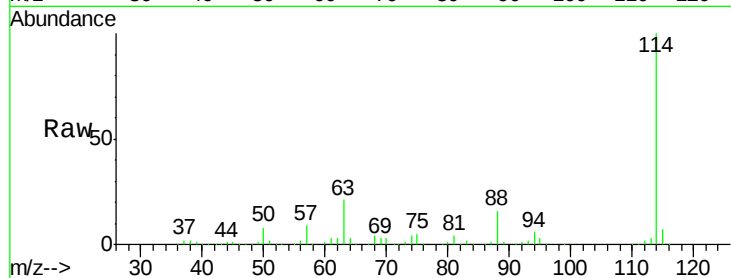
Tot Ion:114 Resp: 1041195

Ion Ratio Lower Upper

114 100

63 20.9 0.0 37.4

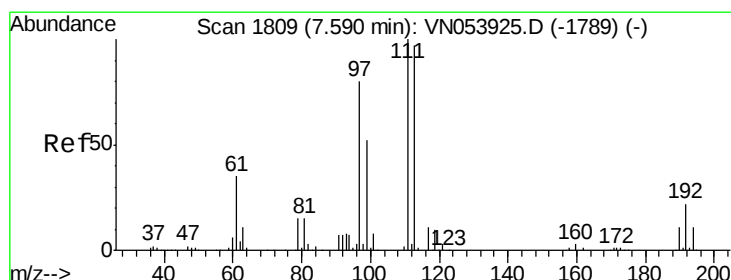
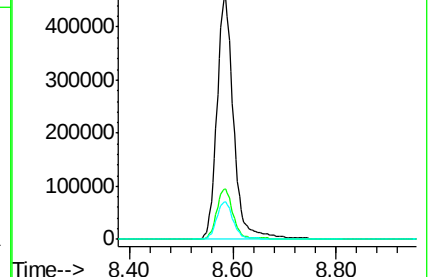
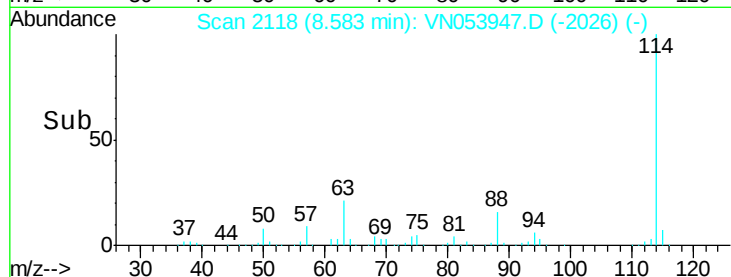
88 15.5 0.0 30.4



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: 50.491 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.00 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

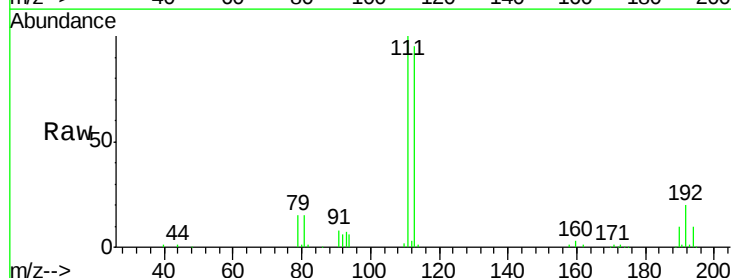
Tgt Ion:113 Resp: 339953

Ion Ratio Lower Upper

113 100

111 103.8 81.1 121.7

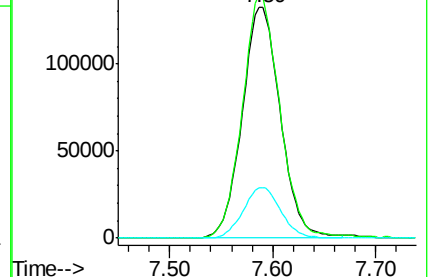
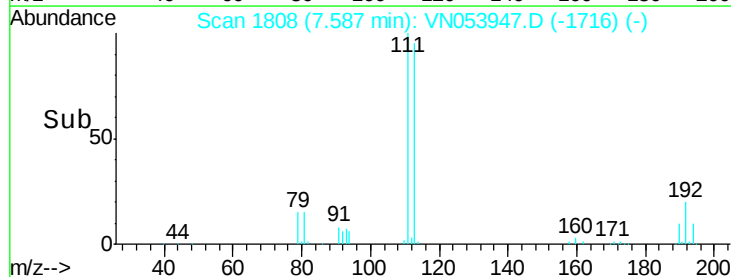
192 21.5 18.8 28.2

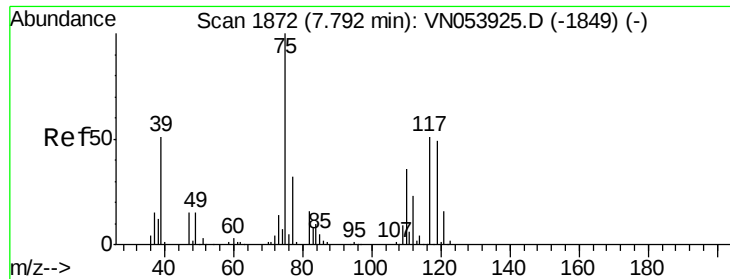


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.196 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBL01

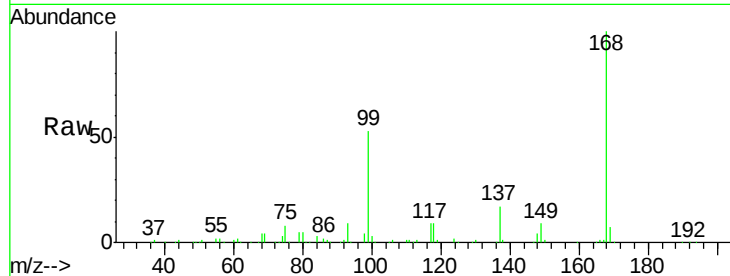
Tot Ion: 75 Resp: 40631

Ion Ratio Lower Upper

75 100

110 8.3 19.0 57.0#

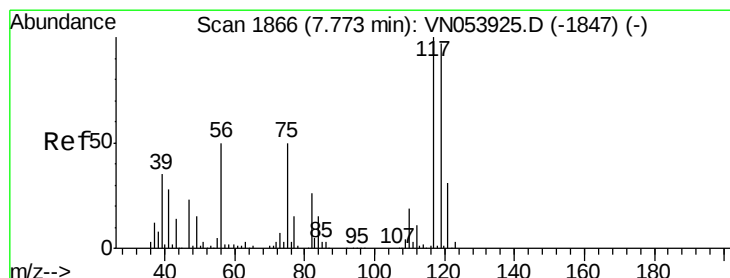
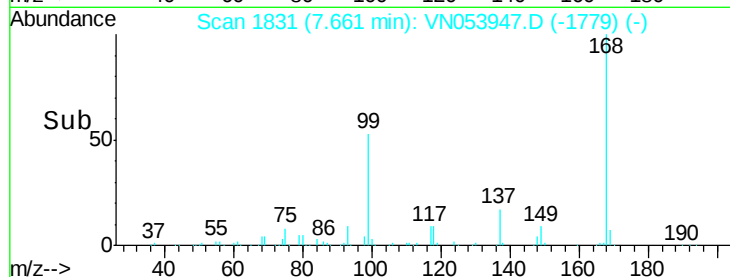
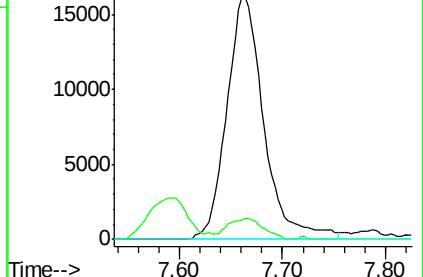
77 0.0 25.4 38.0#



Abundance Ion 74.90 (74.60 to 75.60): VN053947.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN053947.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN053947.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 5.059 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

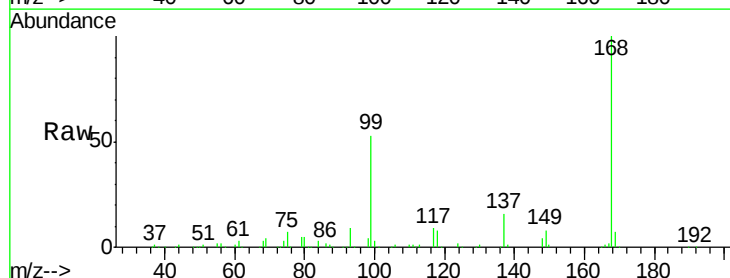
Tgt Ion: 117 Resp: 50949

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.2#

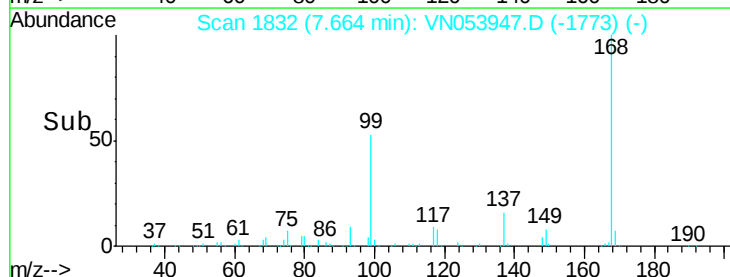
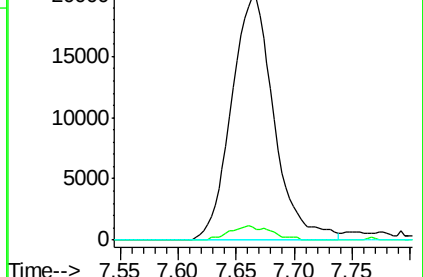
121 0.0 24.6 36.8#

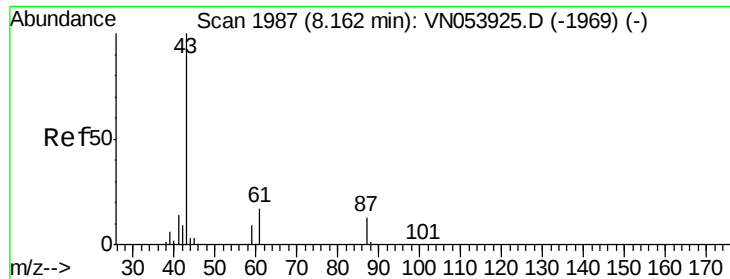


Abundance Ion 116.80 (116.50 to 117.50): VN053947.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN053947.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN053947.D (-1773) (-)



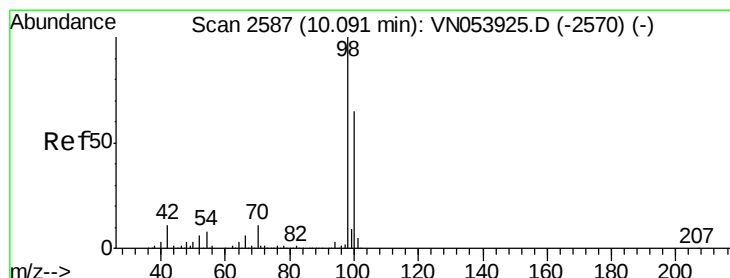
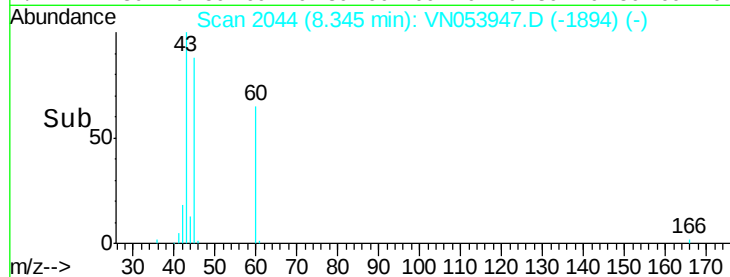
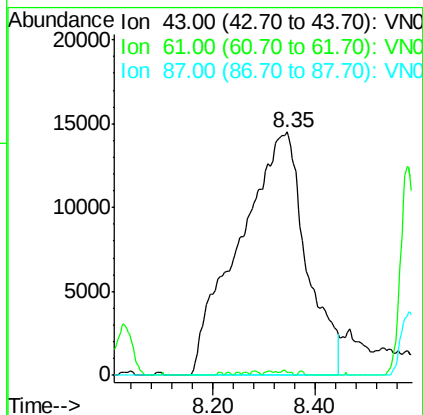
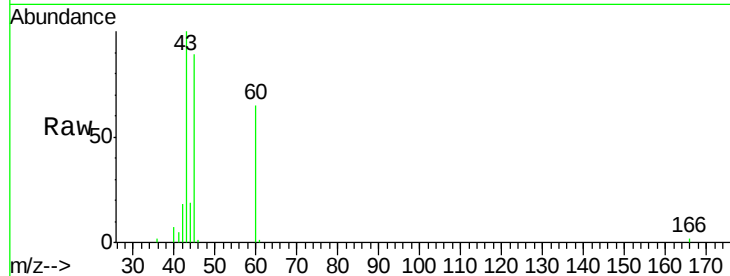


#43

Isopropyl Acetate
 Concen: 11.261 ug/l
 RT: 8.35 min Scan# 2044
 Delta R.T. 0.18 min
 Lab File: VN053947.D
 Acq: 26 Feb 2019 11:36

Instrument :
 MSVOA_N
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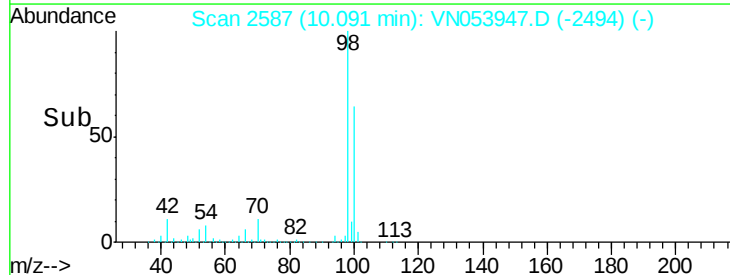
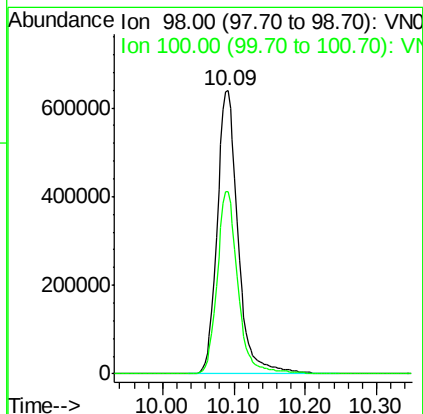
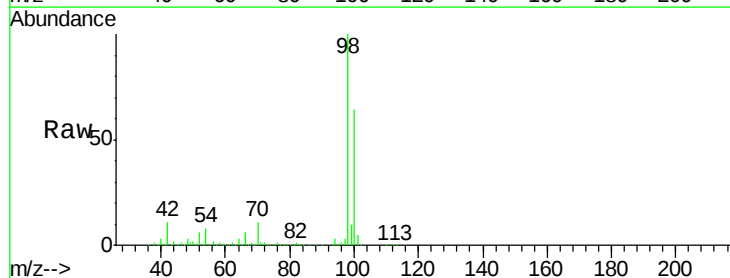
Tot Ion: 43 Resp: 131454
 Ion Ratio Lower Upper
 43 100
 61 0.3 17.4 26.0#
 87 0.0 11.5 17.3#

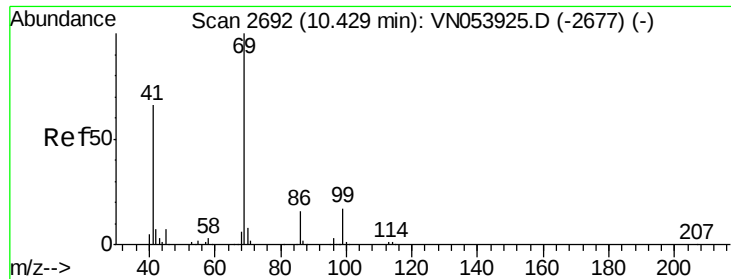


#50

Toluene-d8
 Concen: 51.721 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN053947.D
 Acq: 26 Feb 2019 11:36

Tgt Ion: 98 Resp: 1296329
 Ion Ratio Lower Upper
 98 100
 100 64.1 51.9 77.9

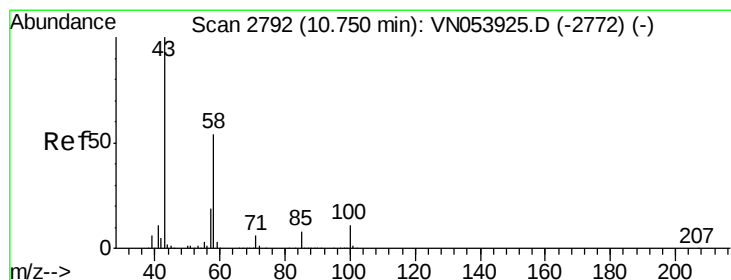
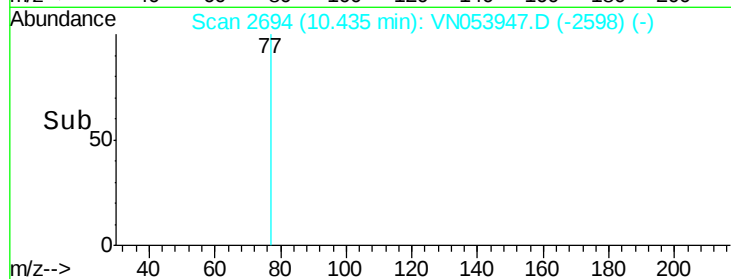
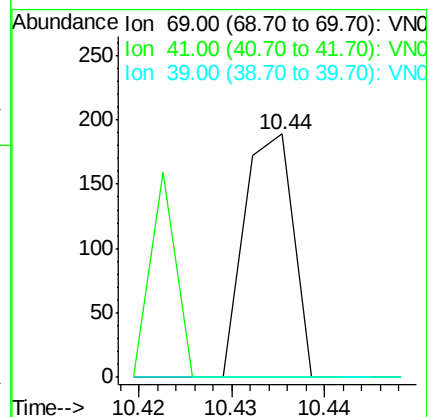
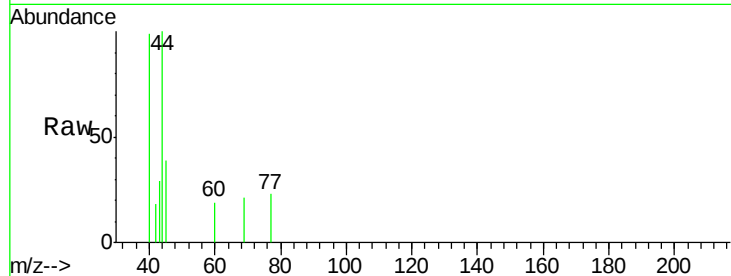




#56
Ethyl methacrylate
Concen: 1.963 ug/l
RT: 10.44 min Scan# 2694
Delta R.T. 0.01 min
Lab File: VN053947.D
Acq: 26 Feb 2019 11:36

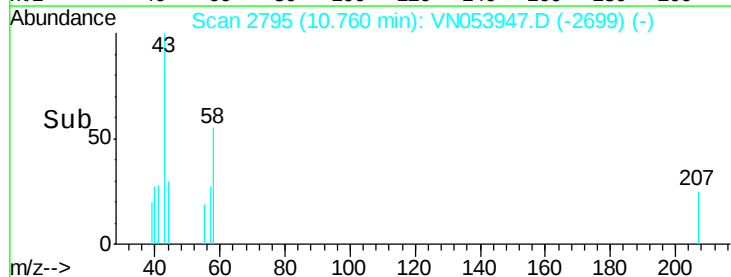
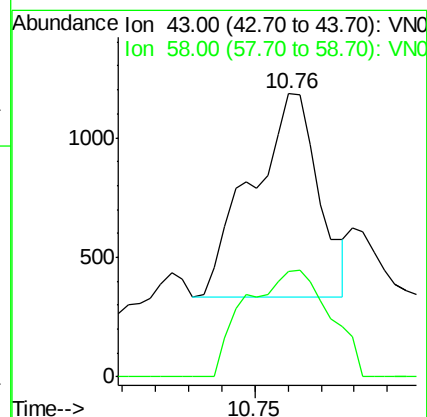
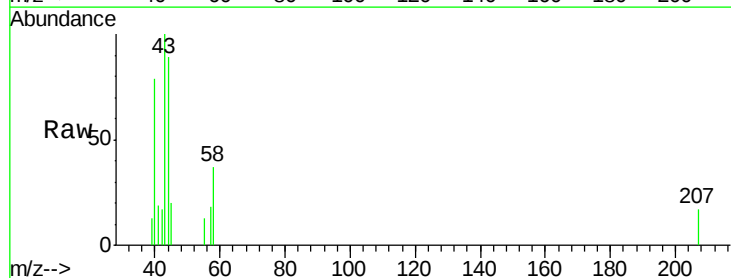
Instrument :
MSVOA_N
ClientSampled :
VN0226WBL01

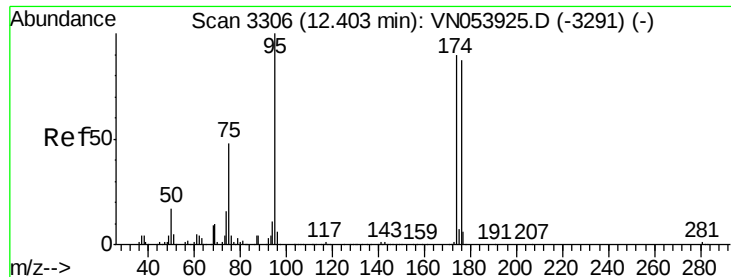
Tot Ion	Ratio	Lower	Upper
69	100		
41	44.3	47.5	71.3#
39	0.0	23.4	35.0#



#59
2-Hexanone
Concen: 0.308 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN053947.D
Acq: 26 Feb 2019 11:36

Tgt Ion	Ratio	Lower	Upper
43	100		
58	65.9	29.1	87.4

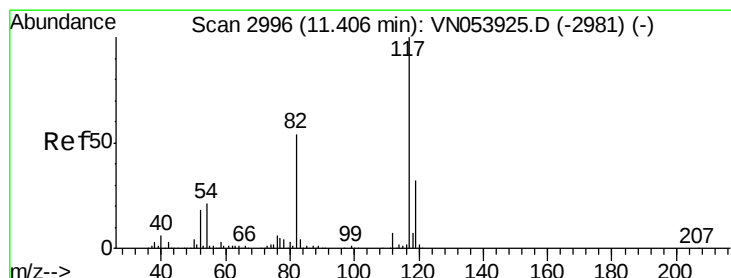
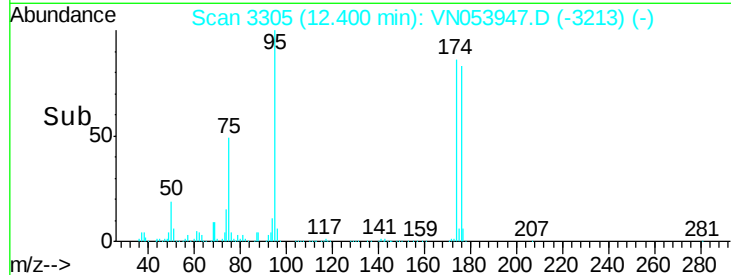
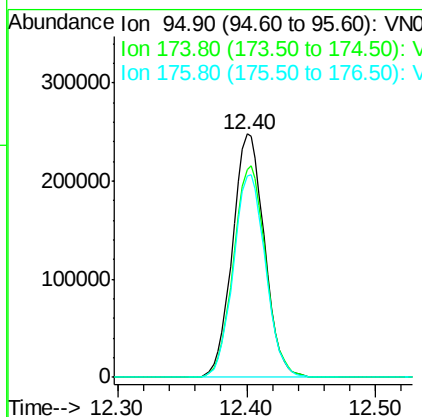
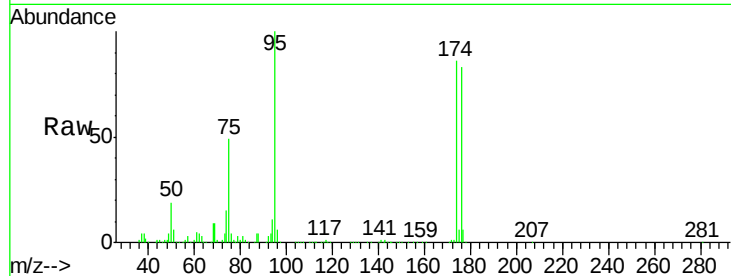




#62
4-Bromofluorobenzene
Concen: 51.122 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053947.D
Acq: 26 Feb 2019 11:36

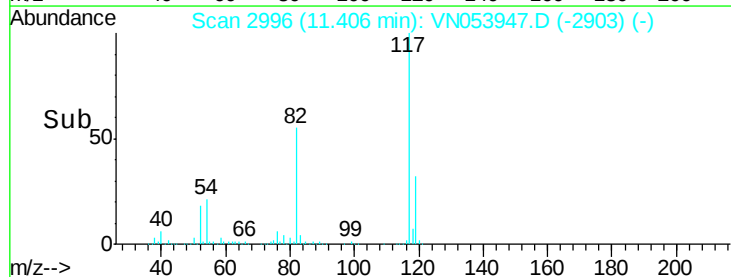
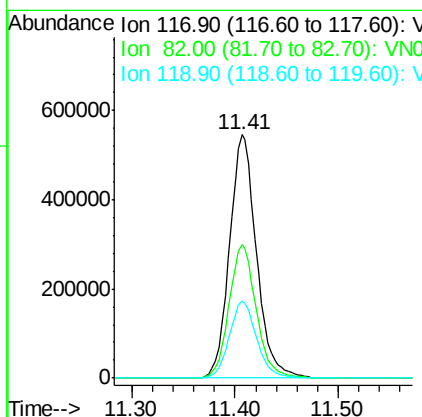
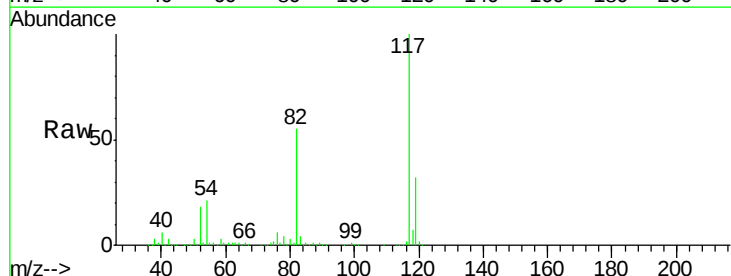
Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

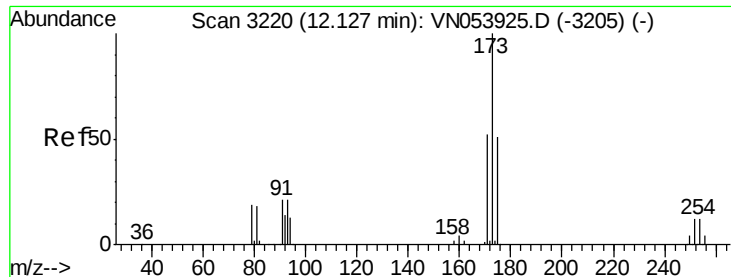
Tot Ion: 95 Resp: 426899
Ion Ratio Lower Upper
95 100
174 87.9 0.0 188.8
176 83.7 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053947.D
Acq: 26 Feb 2019 11:36

Tgt Ion: 117 Resp: 992156
Ion Ratio Lower Upper
117 100
82 54.9 41.4 62.2
119 31.6 25.3 37.9

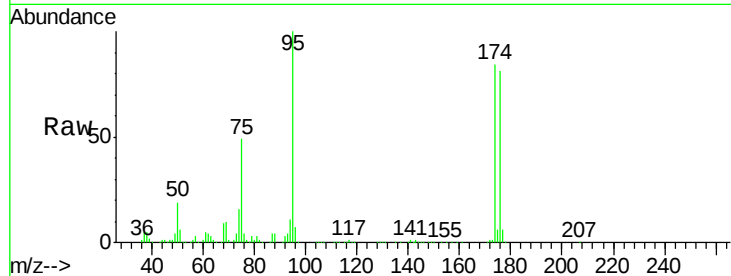




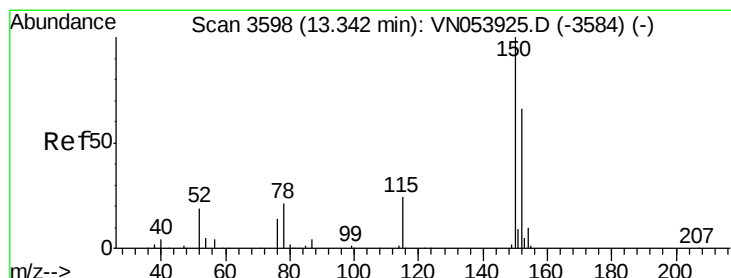
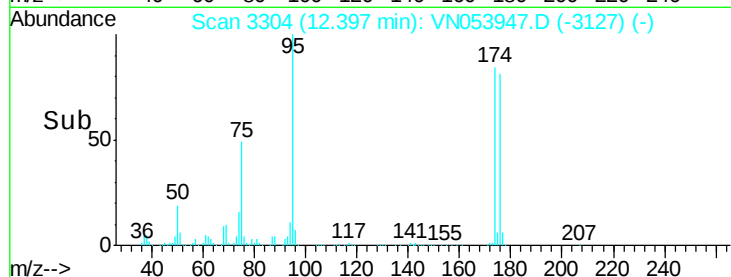
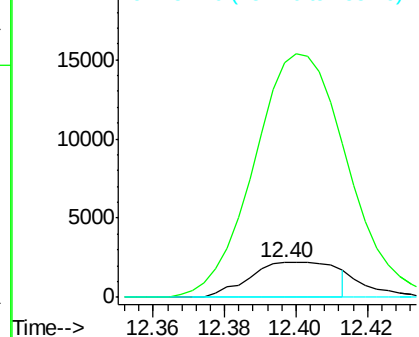
#71
Bromoform
Concen: 0.705 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. 0.27 min
Lab File: VN053947.D
Acq: 26 Feb 2019 11:36

Instrument :
MSVOA_N
ClientSampleId :
VN0226WBL01

Tot Ion:173 Resp: 3702
Ion Ratio Lower Upper
173 100
175 646.6 24.3 72.8#
254 0.0 0.2 0.2#

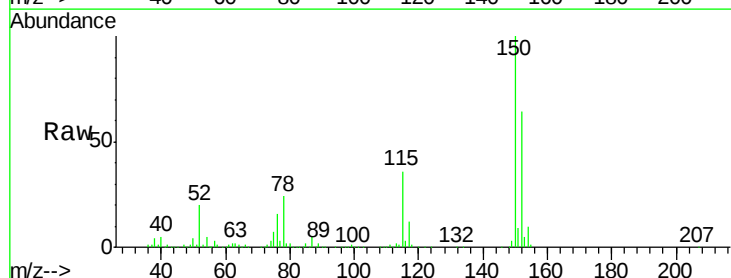


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

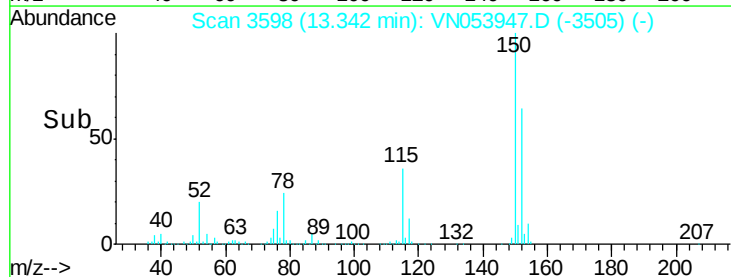
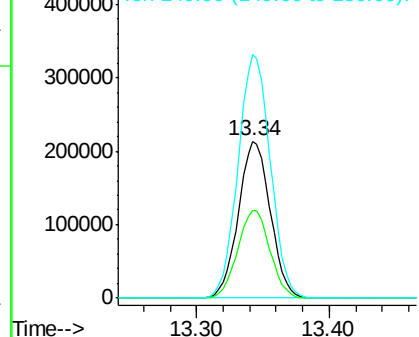


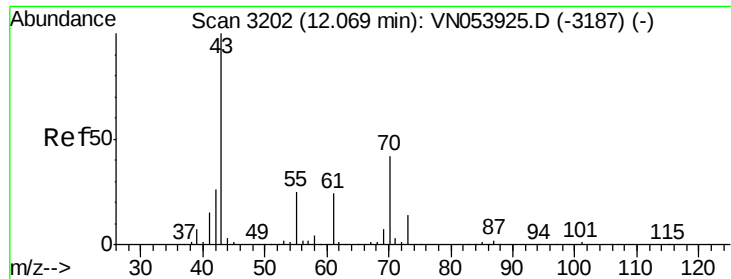
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN053947.D
Acq: 26 Feb 2019 11:36

Tgt Ion:152 Resp: 356188
Ion Ratio Lower Upper
152 100
115 56.4 27.2 81.6
150 157.2 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





#74

N-amvl acetate

Concen: 0.238 ug/l

RT: 12.08 min Scan# 3205

Delta R.T. 0.01 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBL01

Tot Ion: 43 Resp: 1729

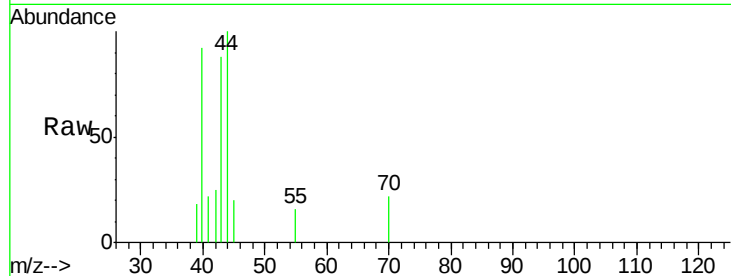
Ion Ratio Lower Upper

43 100

70 17.5 37.4 56.2#

55 11.0 21.4 32.0#

61 0.0 20.9 31.3#

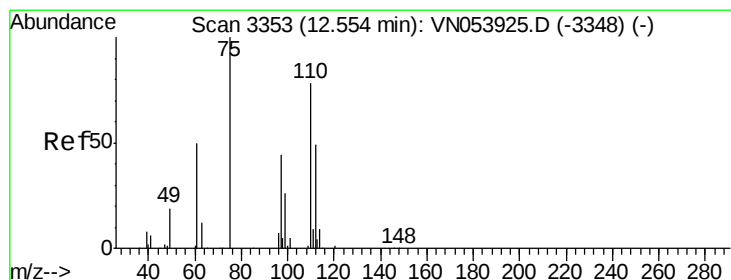
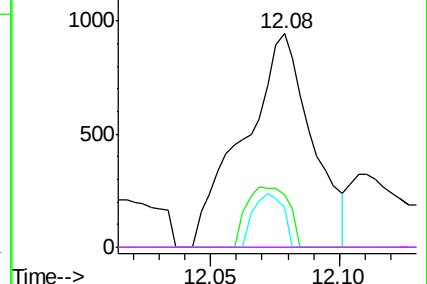
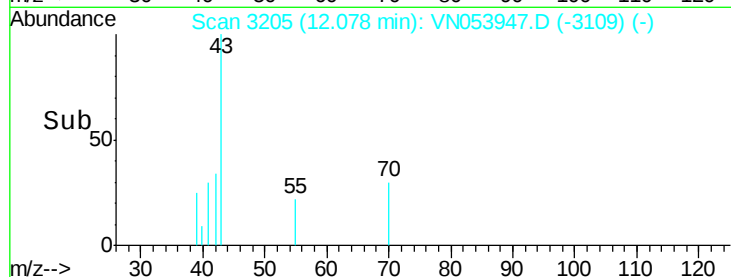


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 36.438 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053947.D

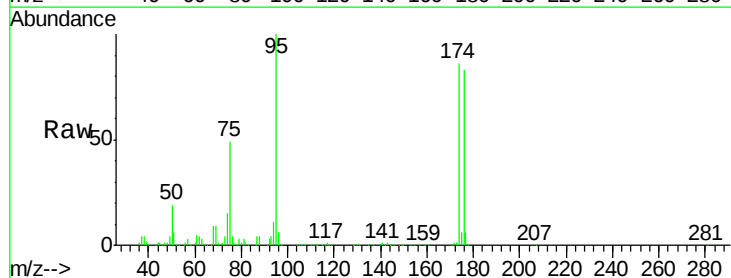
Acq: 26 Feb 2019 11:36

Tgt Ion: 75 Resp: 208203

Ion Ratio Lower Upper

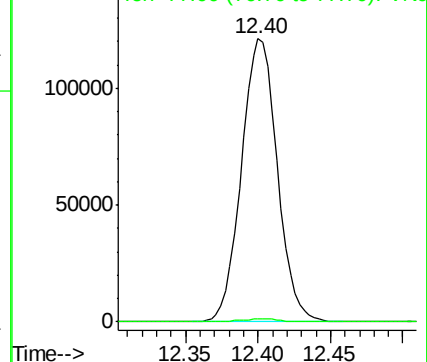
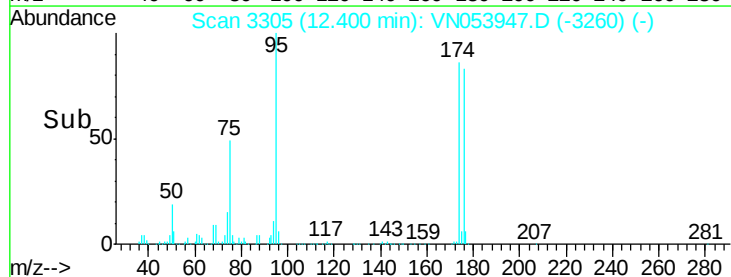
75 100

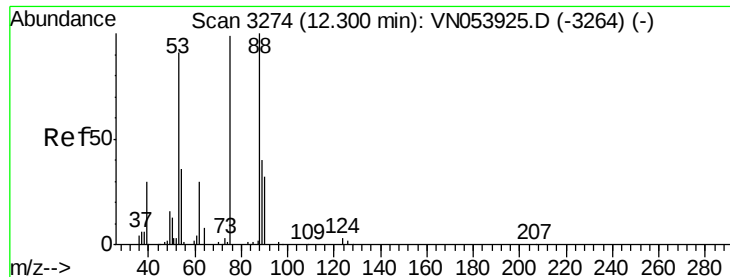
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#81

trans-1,4-Dichloro-2-butene

Concen: 115.167 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

Instrument :

MSVOA_N

ClientSampleId :

VN0226WBL01

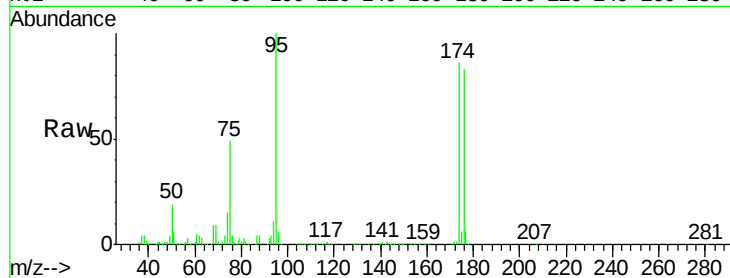
Tot Ion: 75 Resp: 208203

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

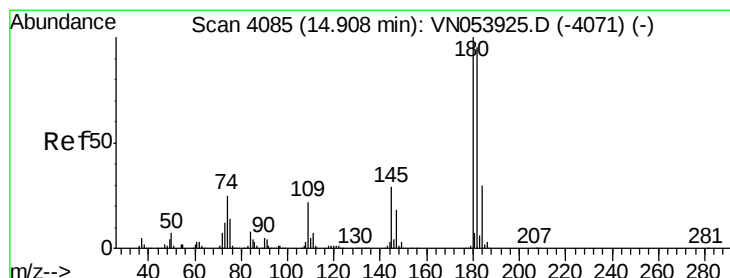
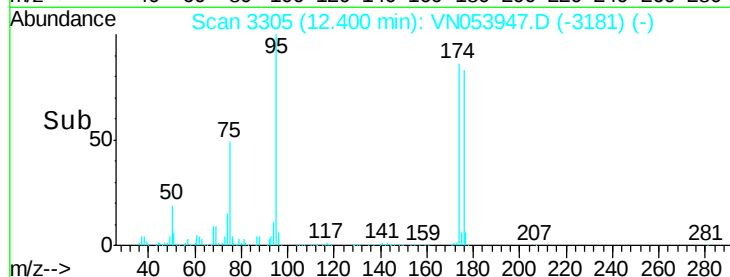
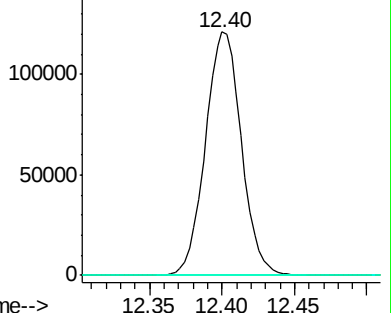
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053947.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN053947.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN053947.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.610 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.01 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

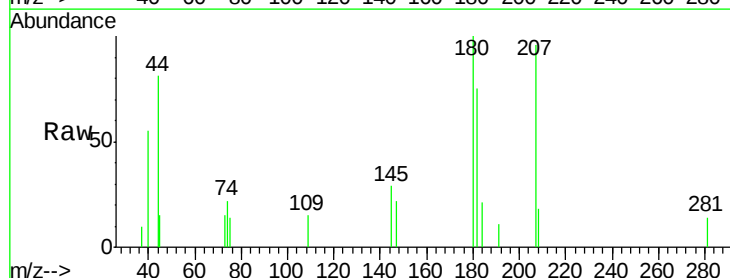
Tgt Ion:180 Resp: 2652

Ion Ratio Lower Upper

180 100

182 90.9 48.6 145.9

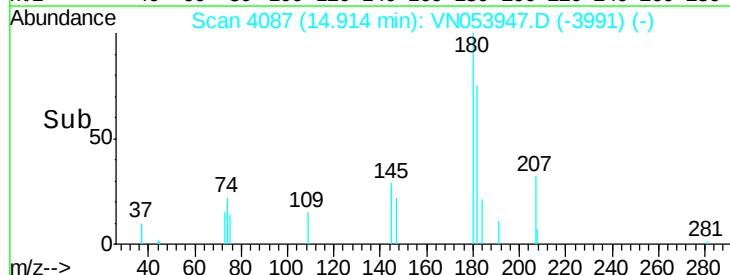
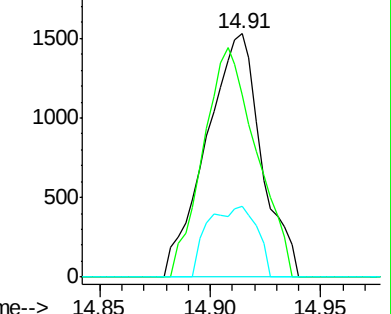
145 25.9 13.8 41.3

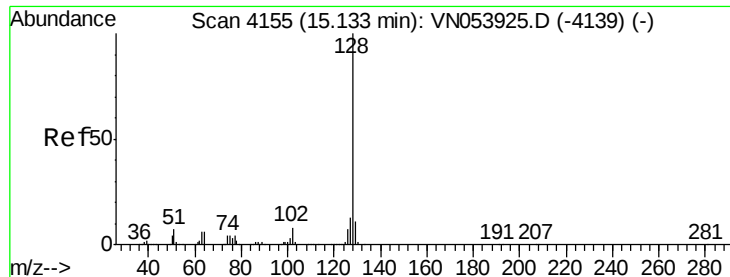


Abundance Ion 179.80 (179.50 to 180.50): VN053947.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN053947.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN053947.D (-3991) (-)





#95

Naphthalene

Concen: 3.699 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

Instrument :

MSVOA_N

ClientSampled :

VN0226WBL01

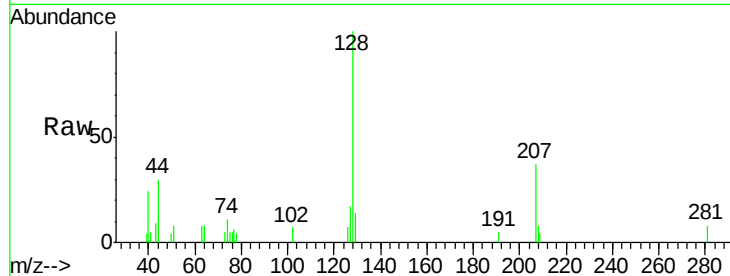
Tot Ion:128 Resp: 7348

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.2

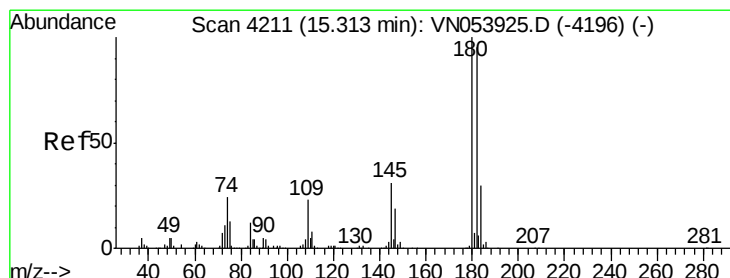
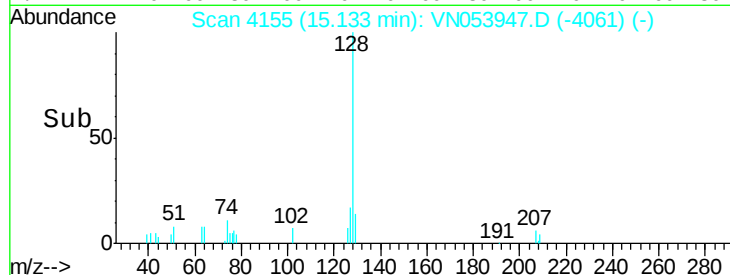
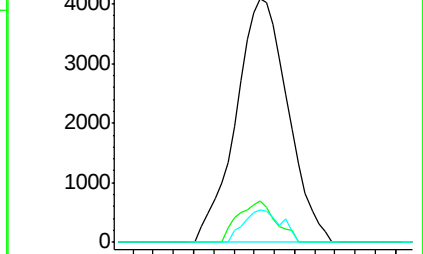
129 9.7 8.6 12.8



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



#96

1,2,3-Trichlorobenzene

Concen: 2.118 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN053947.D

Acq: 26 Feb 2019 11:36

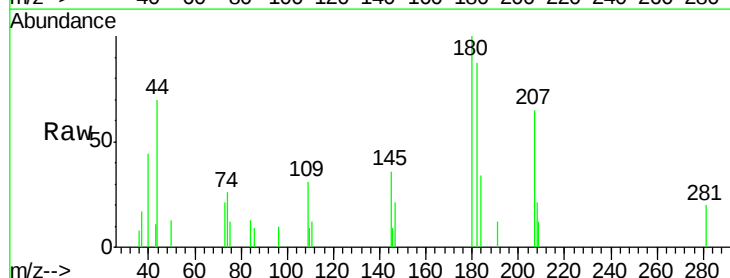
Tgt Ion:180 Resp: 3630

Ion Ratio Lower Upper

180 100

182 92.9 47.3 141.8

145 25.9 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

