

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030219\
 Data File : VN054033.D
 Acq On : 1 Mar 2019 17:02
 Operator : JC/SP
 Sample : VN0302WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBL01

Quant Time: Mar 02 04:44:28 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	7.66	168	550300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	999697	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	954122	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	327718	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	357715	55.45	ug/l	0.00
Spiked Amount			Recovery	=	110.90%	
35) Dibromofluoromethane	7.59	113	326045	50.44	ug/l	0.00
Spiked Amount			Recovery	=	100.88%	
50) Toluene-d8	10.09	98	1252809	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
62) 4-Bromofluorobenzene	12.40	95	409963	51.13	ug/l	0.00
Spiked Amount			Recovery	=	102.26%	

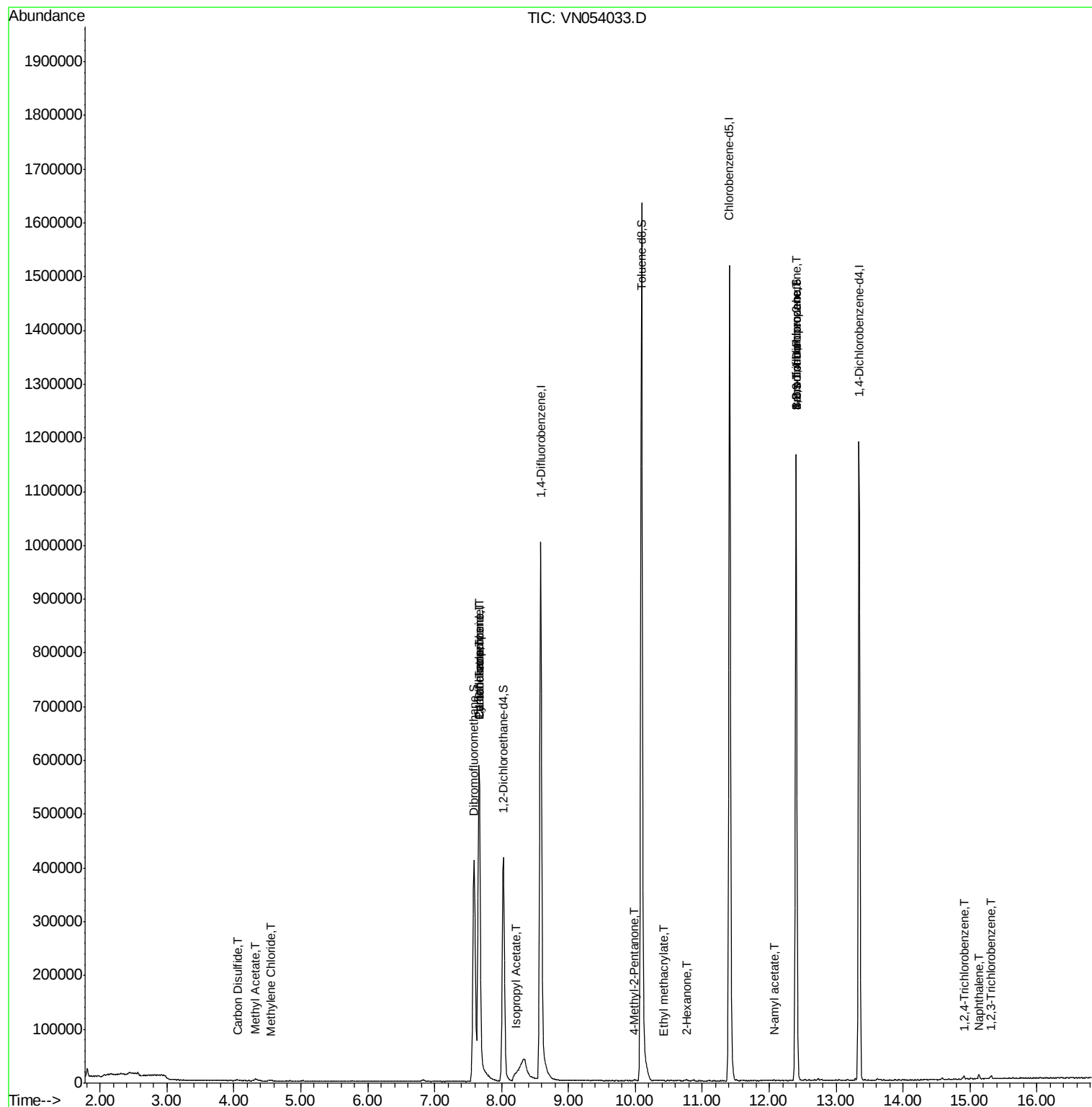
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	281	Below Cal	#	40
17) Carbon Disulfide	4.05	76	3714	0.212	ug/l #	89
18) Methyl Acetate	4.33	43	7865	1.744	ug/l #	81
20) Methylene Chloride	4.55	84	1430	0.224	ug/l	84
31) Cyclohexane	7.67	56	10003	0.564	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	37744	4.060	ug/l #	47
38) Carbon Tetrachloride	7.67	117	47010	4.862	ug/l #	17
43) Isopropyl Acetate	8.21	43	11253	1.004	ug/l #	58
51) 4-Methyl-2-Pentanone	9.99	43	1271	0.221	ug/l #	80
56) Ethyl methacrylate	10.43	69	29	1.958	ug/l #	1
59) 2-Hexanone	10.76	43	2568	0.686	ug/l	78
71) Bromoform	12.40	173	3274	0.648	ug/l #	1
74) N-amyl acetate	12.08	43	1765	0.264	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	200879	38.210	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	200879	120.769	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.90	180	1962	2.534	ug/l	93
95) Naphthalene	15.13	128	6780	3.701	ug/l	94
96) 1,2,3-Trichlorobenzene	15.32	180	2484	1.974	ug/l	85

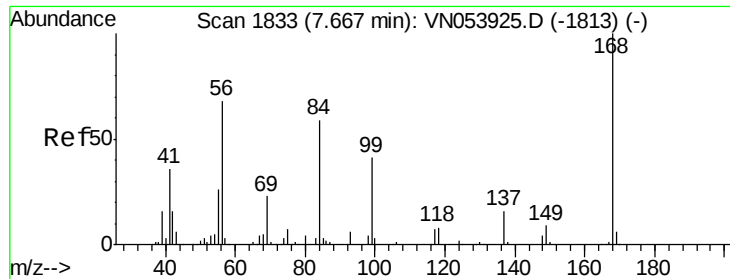
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054033.D

Acq: 1 Mar 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

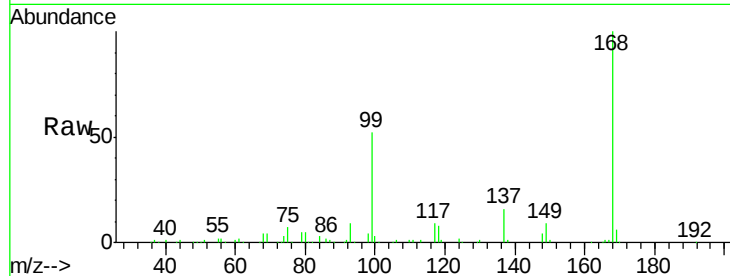
VN0302WBL01

Tot Ion:168 Resp: 550300

Ion Ratio Lower Upper

168 100

99 51.6 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

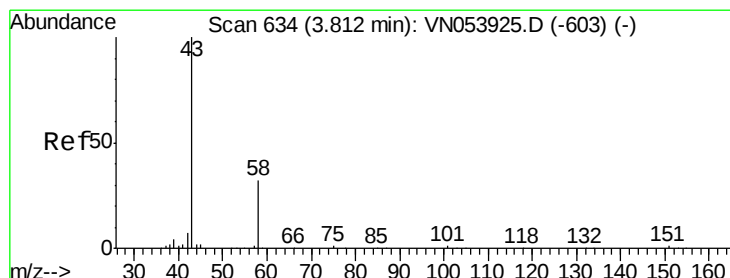
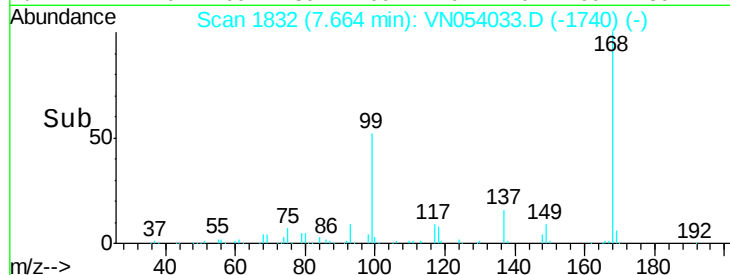
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#16

Acetone

Concen: Below Cal

RT: 3.81 min Scan# 632

Delta R.T. -0.01 min

Lab File: VN054033.D

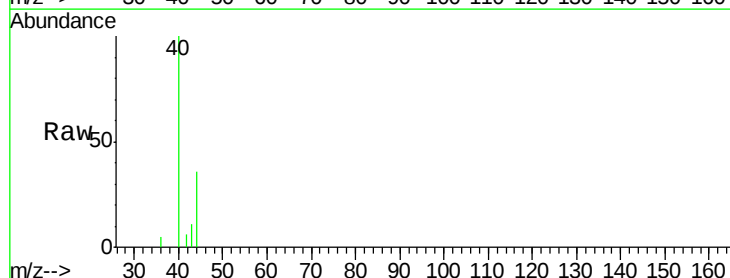
Acq: 1 Mar 2019 17:02

Tgt Ion: 43 Resp: 281

Ion Ratio Lower Upper

43 100

58 0.0 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) (-)

3.81

400

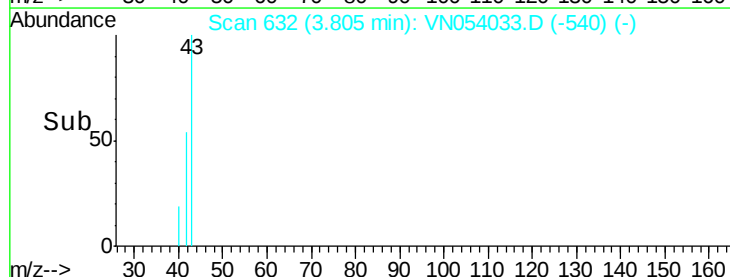
300

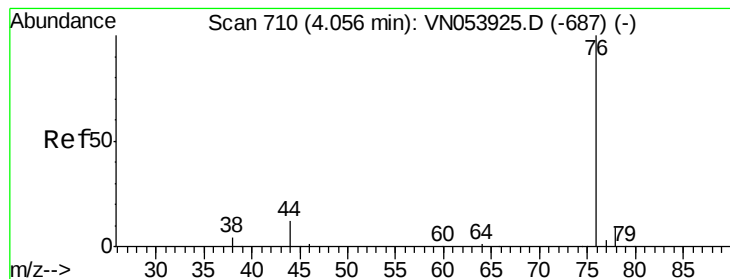
200

100

0

Time--> 3.79 3.80 3.81





#17

Carbon Disulfide

Concen: 0.212 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN054033.D

Acq: 1 Mar 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

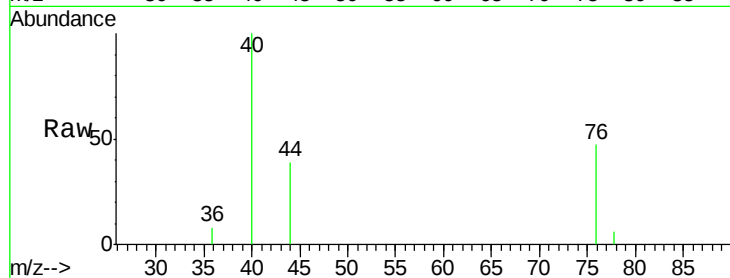
VN0302WBL01

Tot Ion: 76 Resp: 3714

Ion Ratio Lower Upper

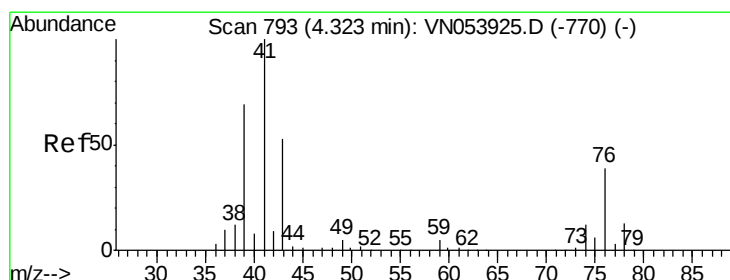
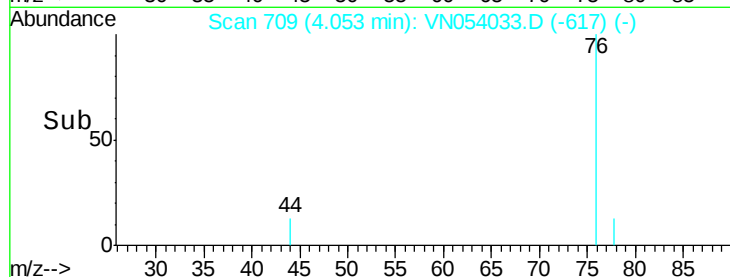
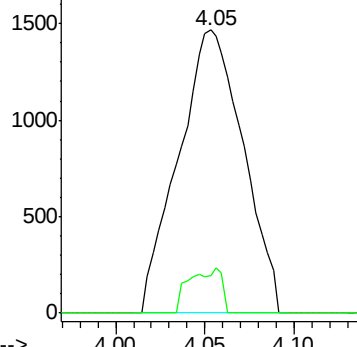
76 100

78 13.5 7.5 11.3#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.744 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN054033.D

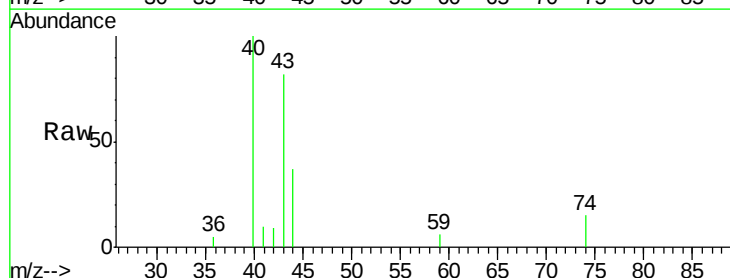
Acq: 1 Mar 2019 17:02

Tgt Ion: 43 Resp: 7865

Ion Ratio Lower Upper

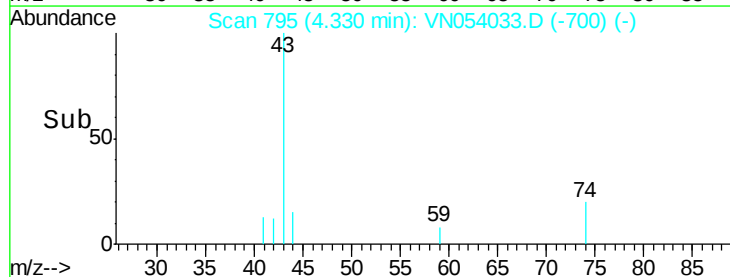
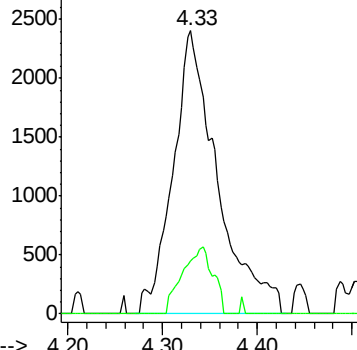
43 100

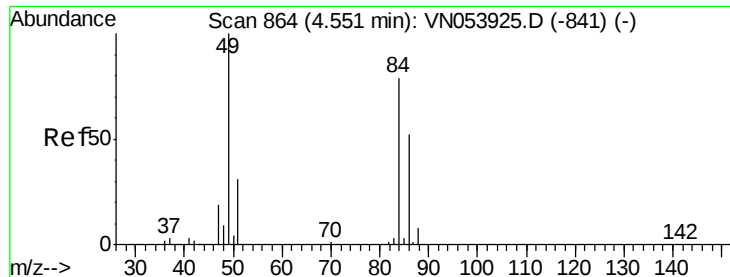
74 16.2 20.5 30.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

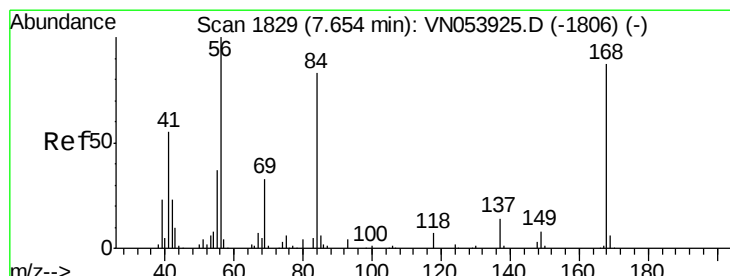
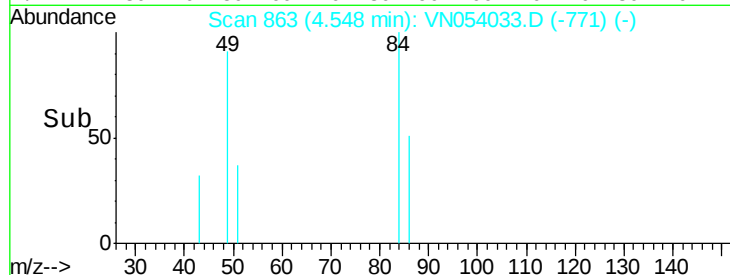
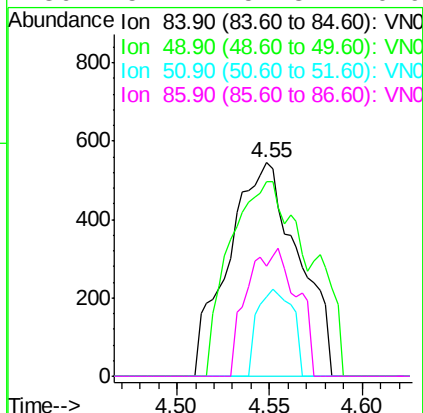
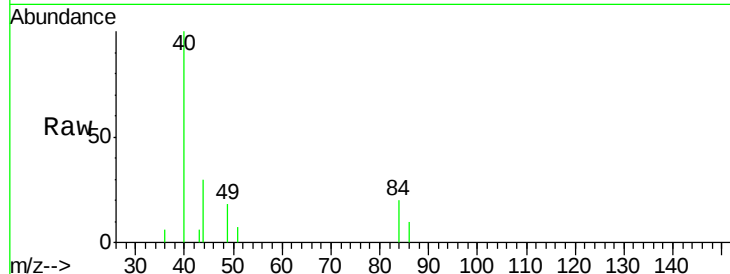




#20
Methvlene Chloride
Concen: 0.224 ug/l
RT: 4.55 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

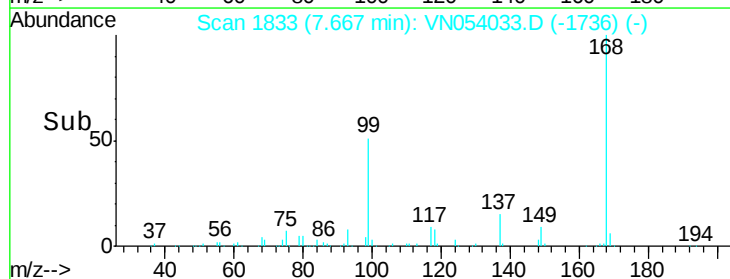
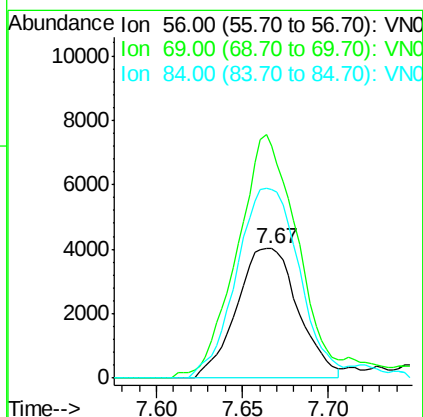
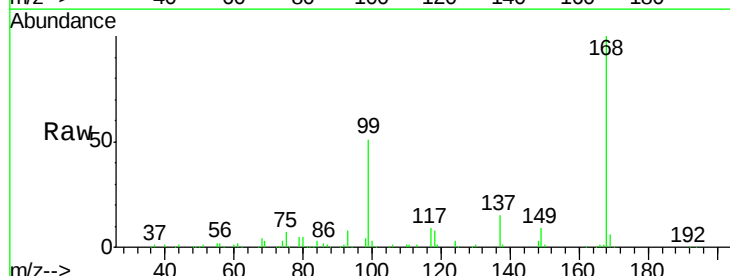
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBL01

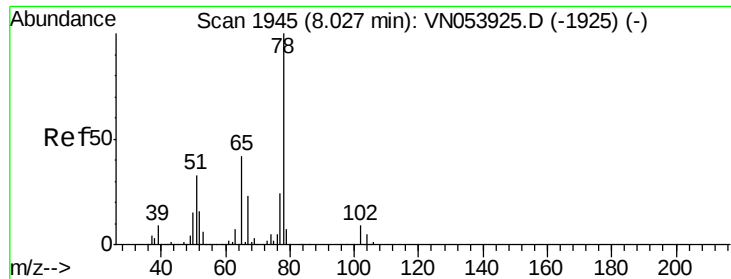
Tot Ion:	84	Resp:	1430
Ion	Ratio	Lower	Upper
84	100		
49	91.0	89.7	134.5
51	37.4	27.8	41.8
86	51.4	51.3	76.9



#31
Cyclohexane
Concen: 0.564 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

Tgt Ion:	56	Resp:	10003
Ion	Ratio	Lower	Upper
56	100		
69	175.2	26.0	39.0#
84	145.6	69.1	103.7#





#33

1,2-Dichloroethane-d4

Concen: 55.453 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054033.D

Acq: 1 Mar 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

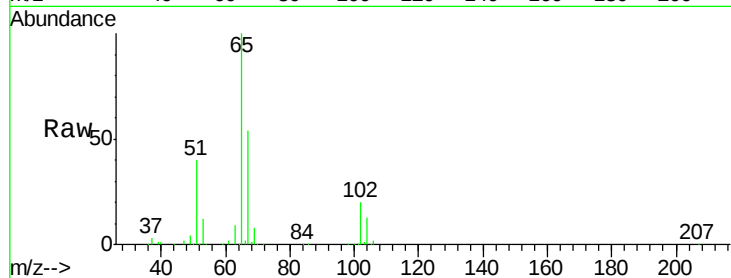
VN0302WBL01

Tot Ion: 65 Resp: 357715

Ion Ratio Lower Upper

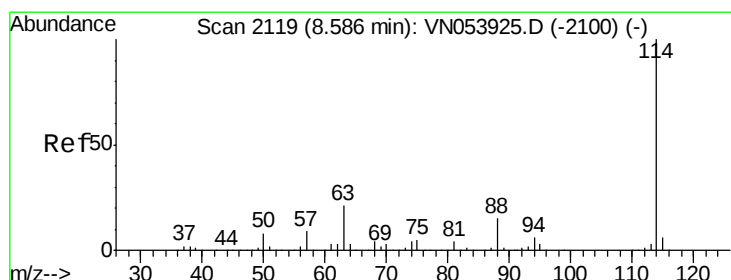
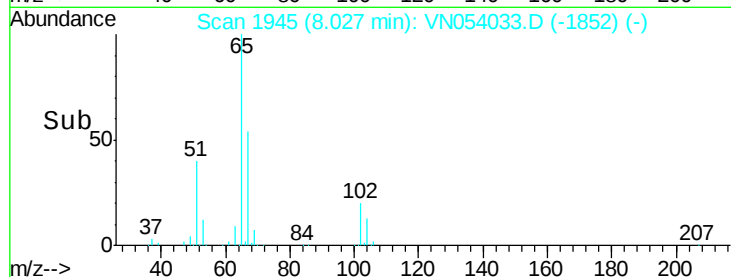
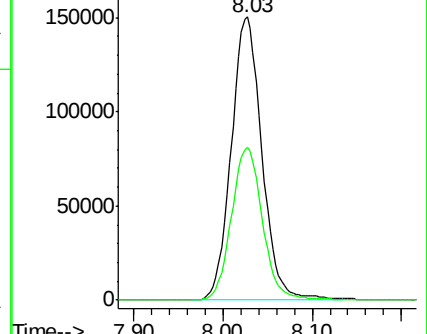
65 100

67 54.6 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: VN054033.D

Acq: 1 Mar 2019 17:02

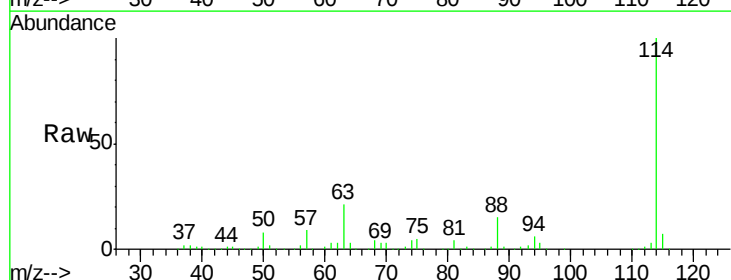
Tgt Ion: 114 Resp: 999697

Ion Ratio Lower Upper

114 100

63 20.7 0.0 37.4

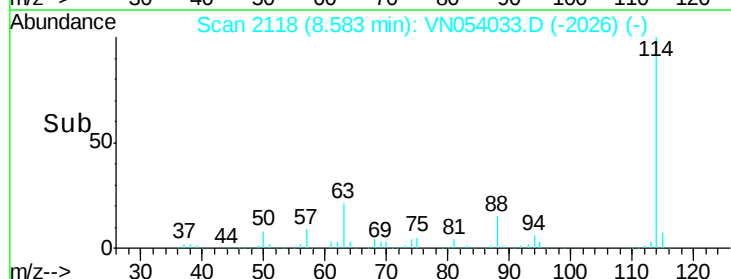
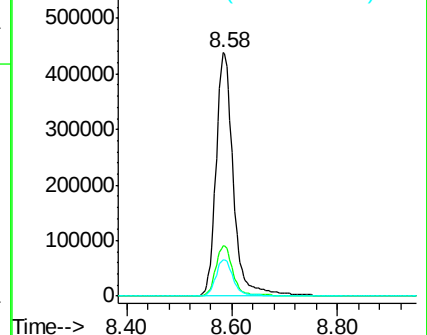
88 15.0 0.0 30.4

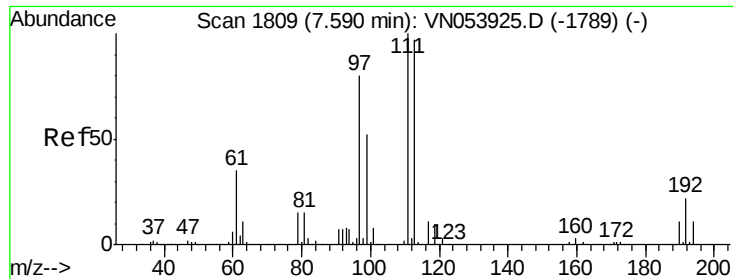


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

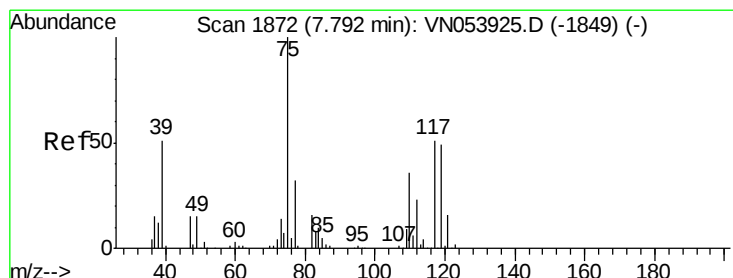
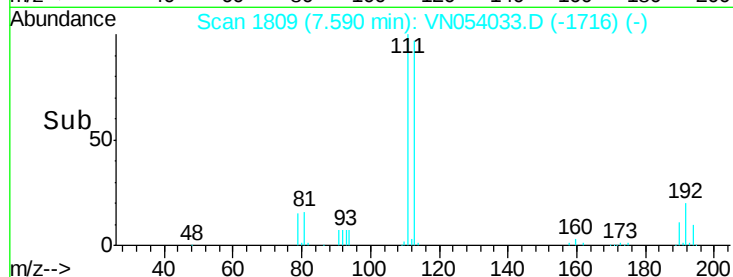
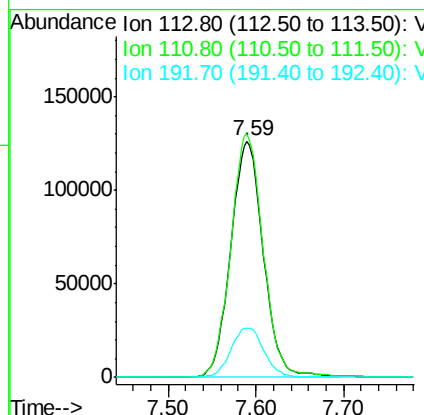
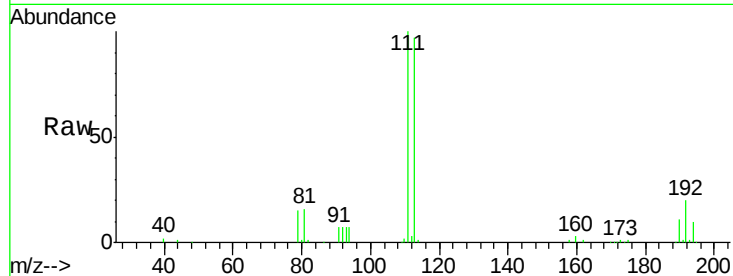




#35
 Dibromofluoromethane
 Concen: 50.435 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054033.D
 Acq: 1 Mar 2019 17:02

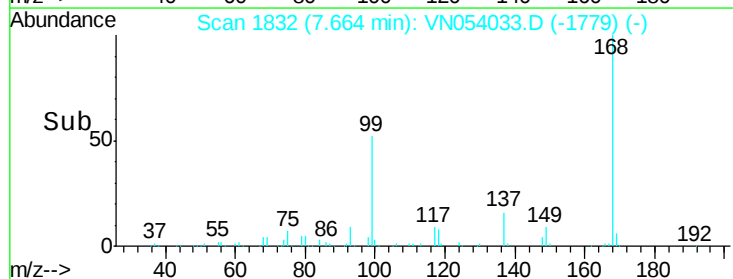
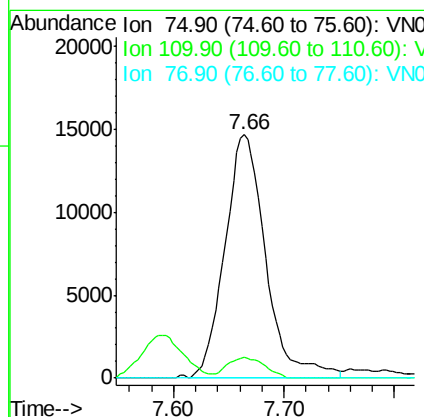
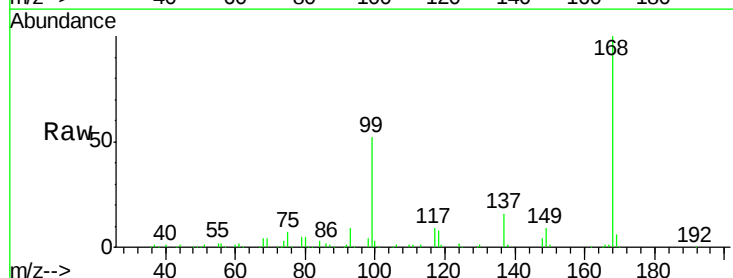
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0302WBL01

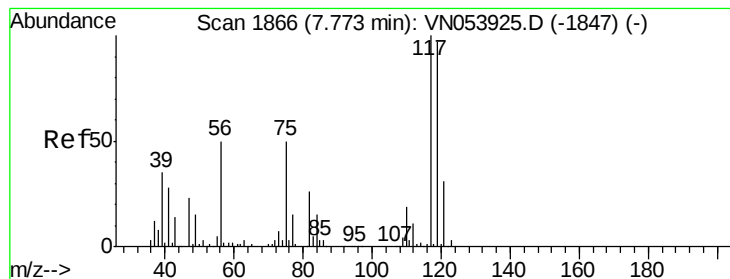
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	21.2	18.8	28.2



#36
 1,1-Dichloropropene
 Concen: 4.060 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054033.D
 Acq: 1 Mar 2019 17:02

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.9	19.0	57.0#
77	0.0	25.4	38.0#





#38

Carbon Tetrachloride

Concen: 4.862 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN054033.D

Acq: 1 Mar 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

VN0302WBL01

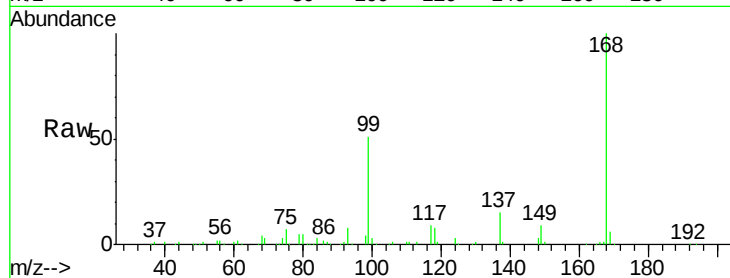
Tot Ion:117 Resp: 47010

Ion Ratio Lower Upper

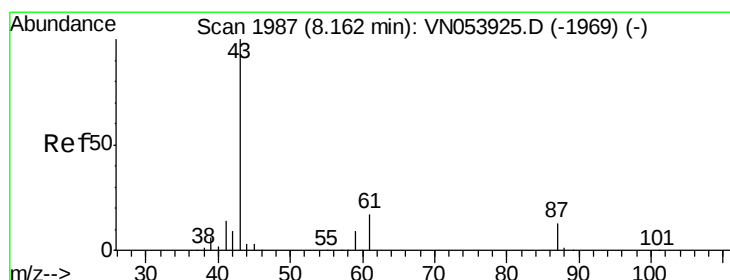
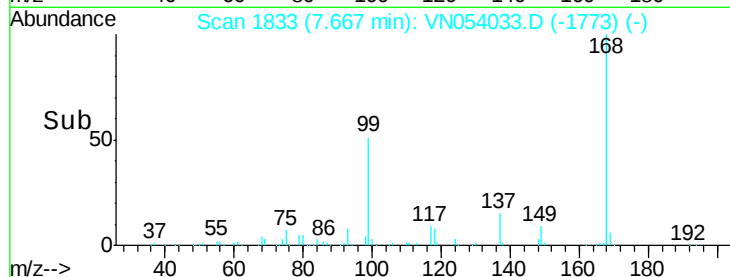
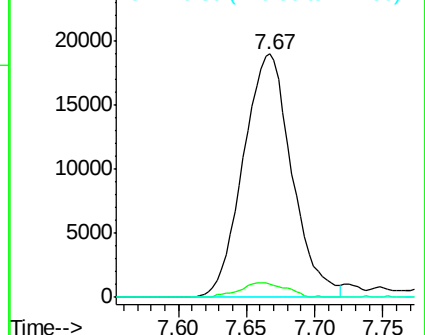
117 100

119 5.6 76.2 114.2#

121 0.0 24.6 36.8#



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: 1.004 ug/l

RT: 8.21 min Scan# 2001

Delta R.T. 0.05 min

Lab File: VN054033.D

Acq: 1 Mar 2019 17:02

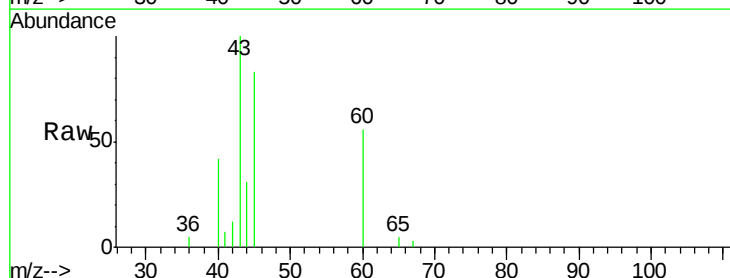
Tgt Ion: 43 Resp: 11253

Ion Ratio Lower Upper

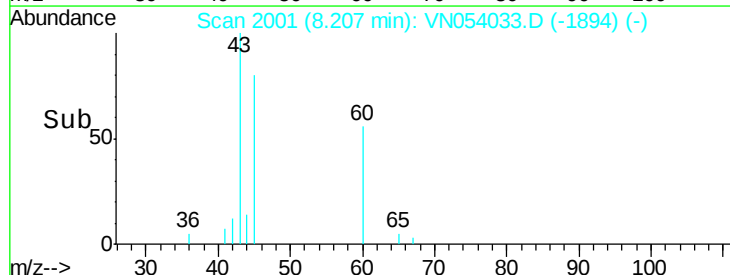
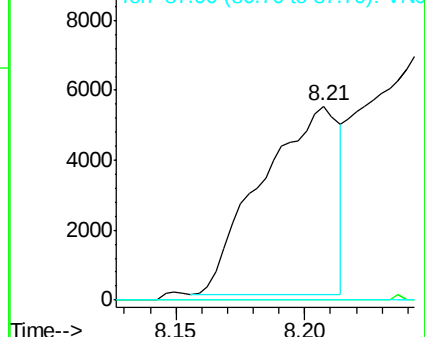
43 100

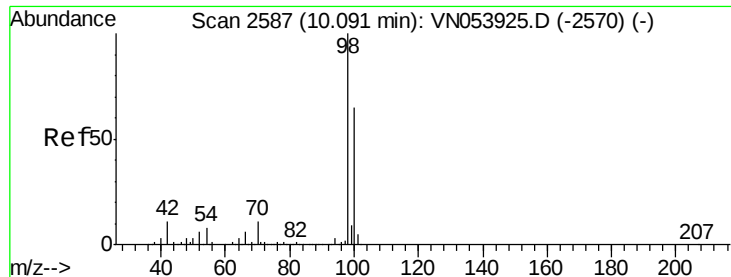
61 0.0 17.4 26.0#

87 0.0 11.5 17.3#



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





#50

Toluene-d8

Concen: 52.059 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054033.D

Acq: 1 Mar 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

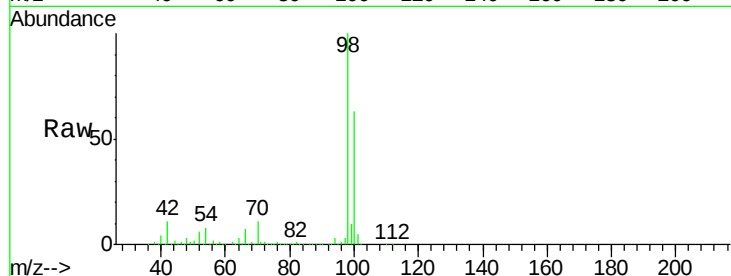
VN0302WBL01

Tot Ion: 98 Resp: 1252809

Ion Ratio Lower Upper

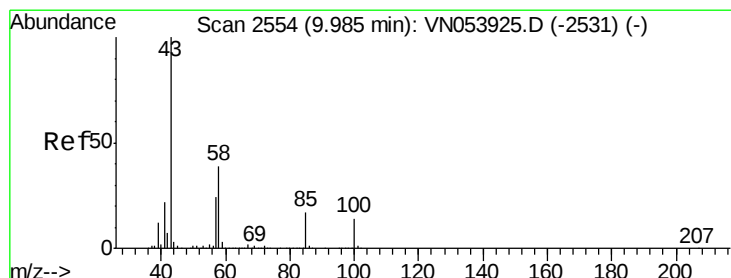
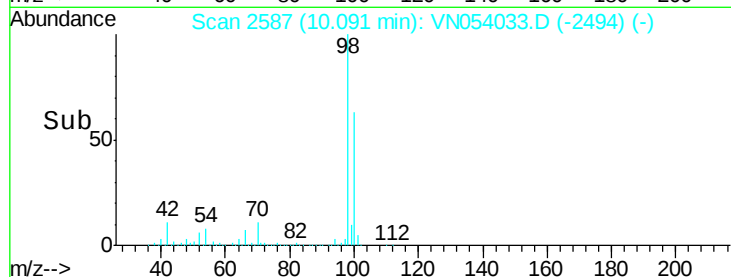
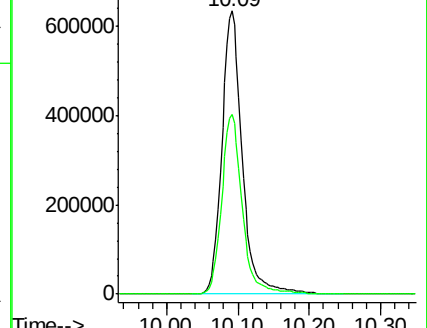
98 100

100 64.0 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN053925.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN053925.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.221 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN054033.D

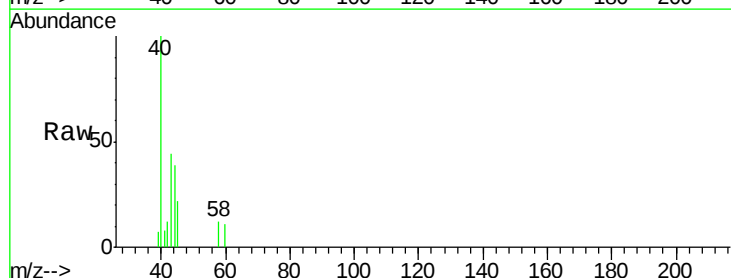
Acq: 1 Mar 2019 17:02

Tgt Ion: 43 Resp: 1271

Ion Ratio Lower Upper

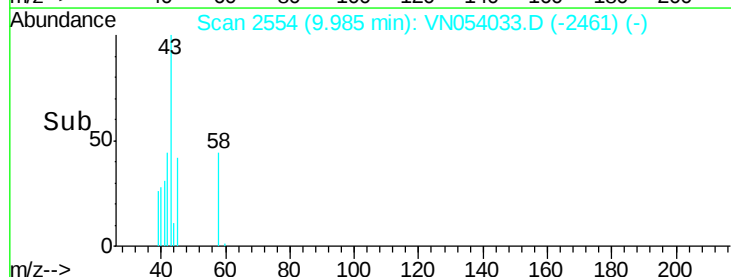
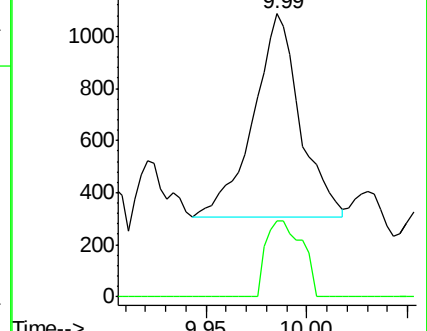
43 100

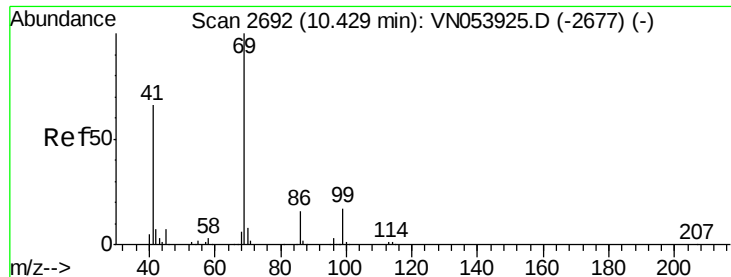
58 28.6 32.7 49.1#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-2531) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-2531) (-)

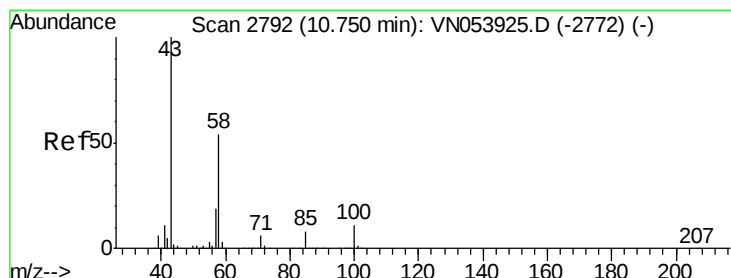
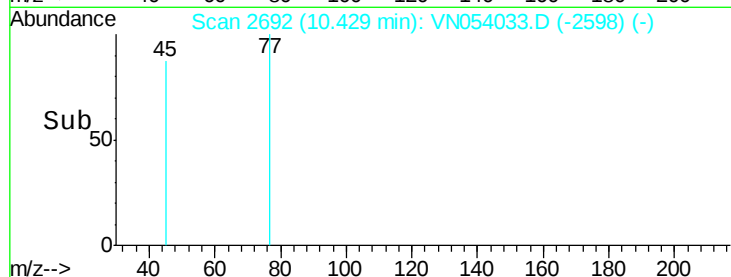
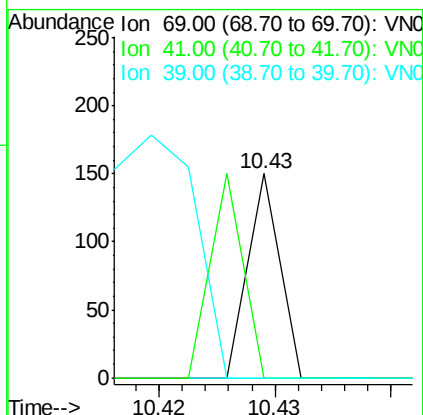
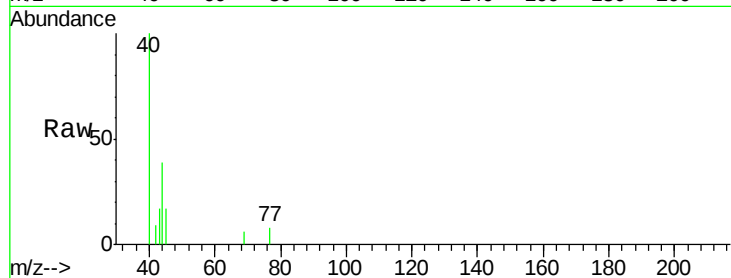




#56
Ethyl methacrylate
Concen: 1.958 ug/l
RT: 10.43 min Scan# 2692
Delta R.T. 0.00 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

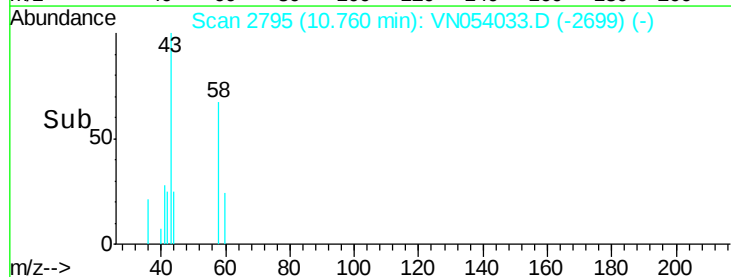
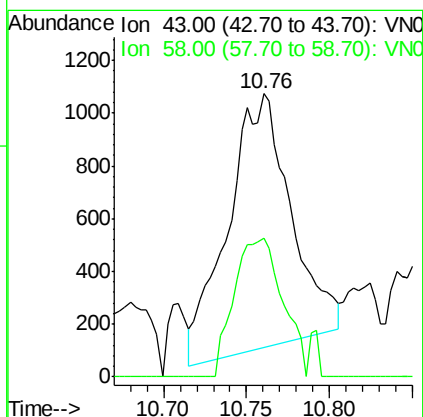
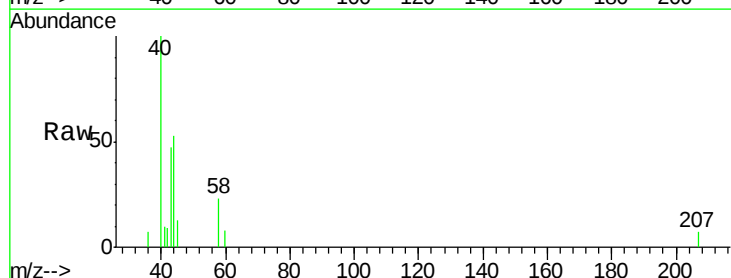
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBL01

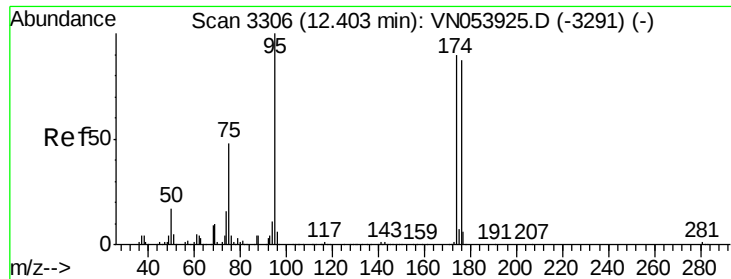
Tot Ion	Ratio	Lower	Upper
69	100		
41	100.0	47.5	71.3#
39	324.1	23.4	35.0#



#59
2-Hexanone
Concen: 0.686 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.6	29.1	87.4

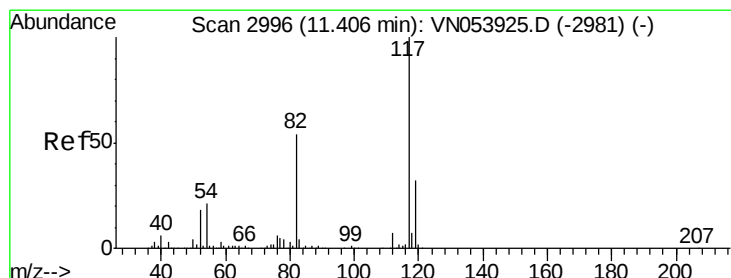
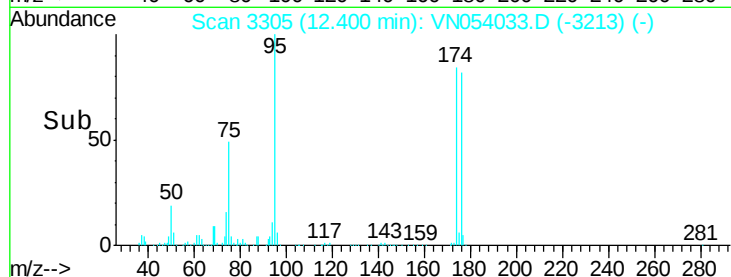
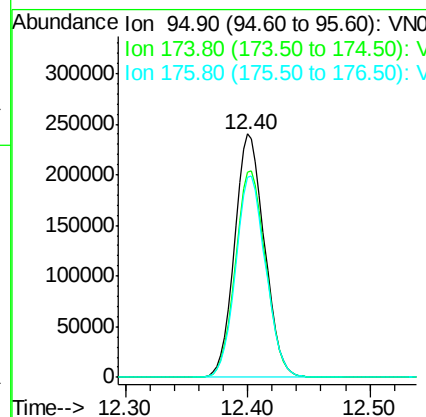
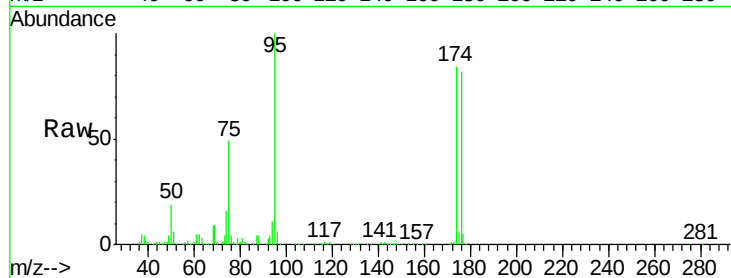




#62
4-Bromofluorobenzene
Concen: 51.132 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

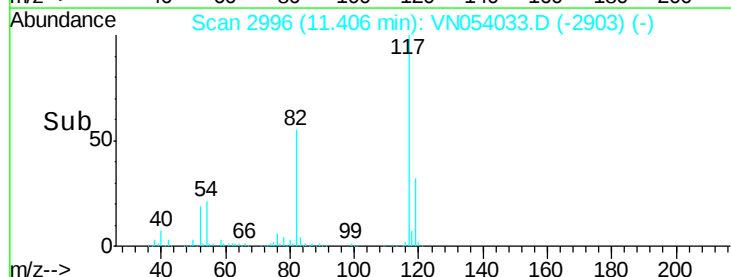
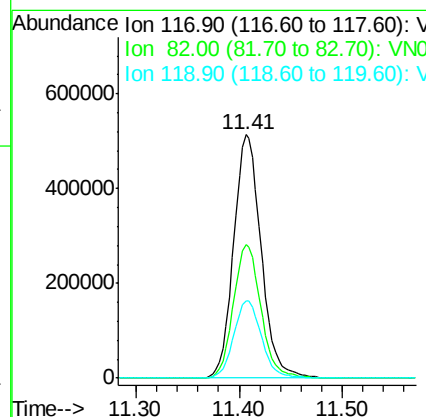
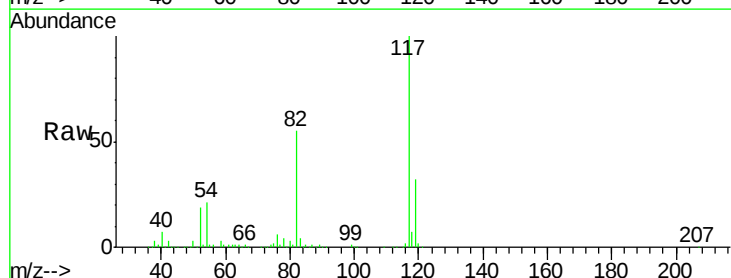
Instrument :
MSVOA_N
ClientSampleId :
VN0302WBL01

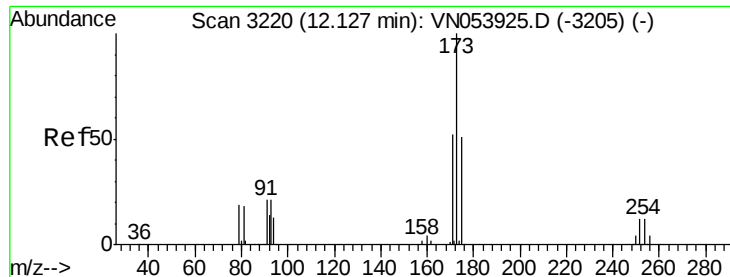
Tot Ion: 95 Resp: 409963
Ion Ratio Lower Upper
95 100
174 86.2 0.0 188.8
176 83.0 0.0 182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

Tgt Ion: 117 Resp: 954122
Ion Ratio Lower Upper
117 100
82 55.0 41.4 62.2
119 32.0 25.3 37.9

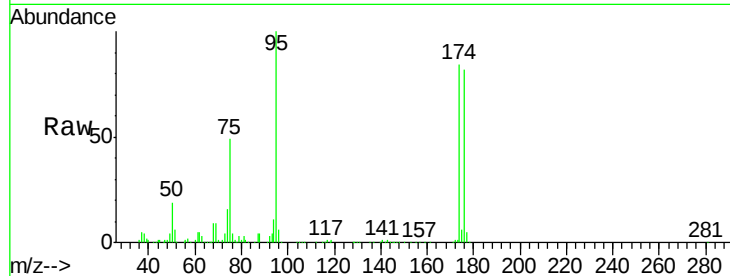




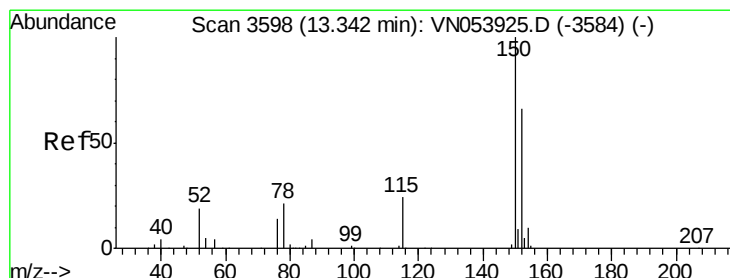
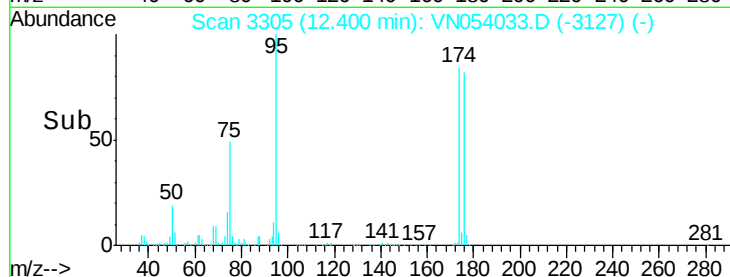
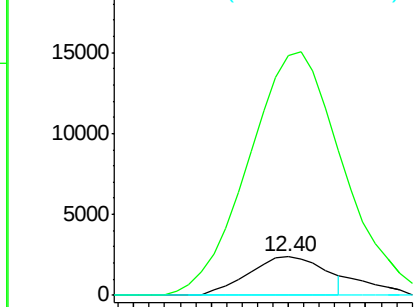
#71
Bromoform
Concen: 0.648 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBL01

Tot Ion:173 Resp: 3274
Ion Ratio Lower Upper
173 100
175 668.3 24.3 72.8#
254 0.0 0.2 0.2#

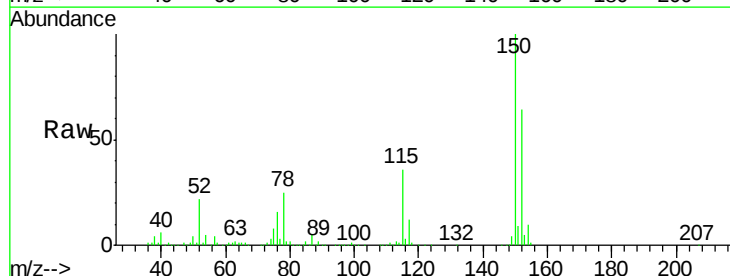


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

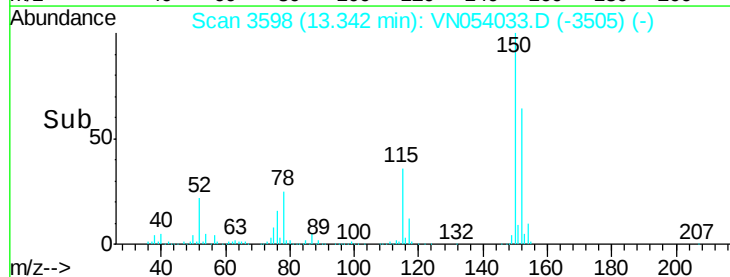
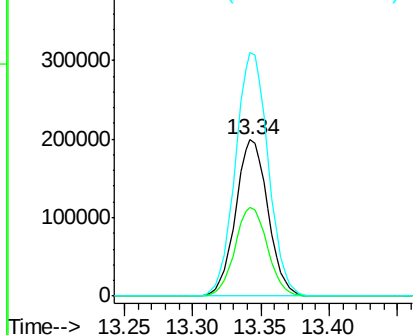


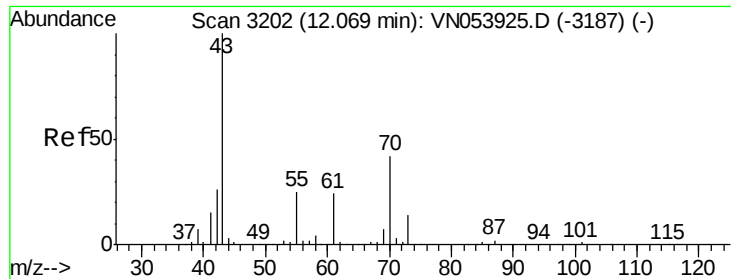
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

Tgt Ion:152 Resp: 327718
Ion Ratio Lower Upper
152 100
115 57.1 27.2 81.6
150 158.3 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: 0.264 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN054033.D

Acq: 1 Mar 2019 17:02

Instrument :

MSVOA_N

ClientSampled :

VN0302WBL01

Tot Ion: 43 Resp: 1765

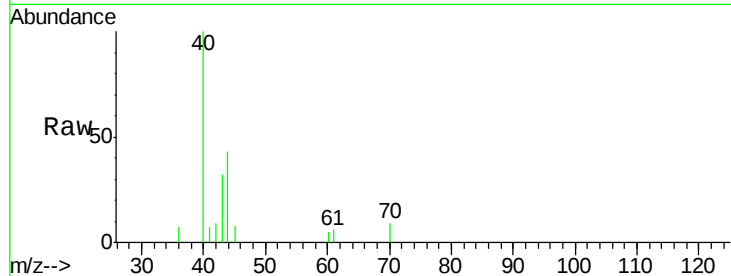
Ion Ratio Lower Upper

43 100

70 14.5 37.4 56.2#

55 0.0 21.4 32.0#

61 3.5 20.9 31.3#

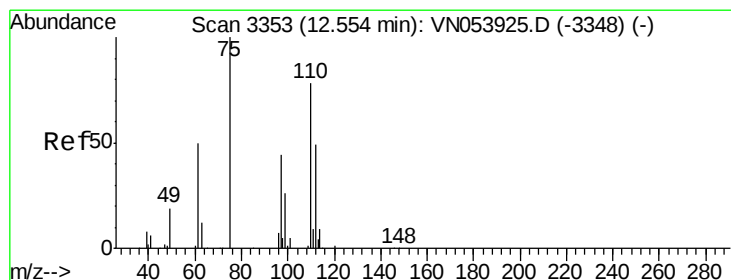
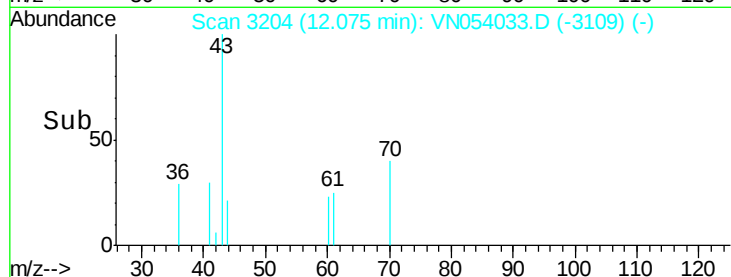
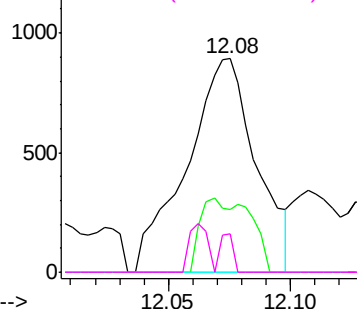


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,2,3-Trichloropropane

Concen: 38.210 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054033.D

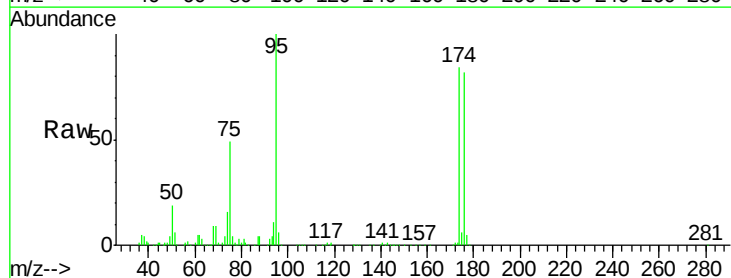
Acq: 1 Mar 2019 17:02

Tgt Ion: 75 Resp: 200879

Ion Ratio Lower Upper

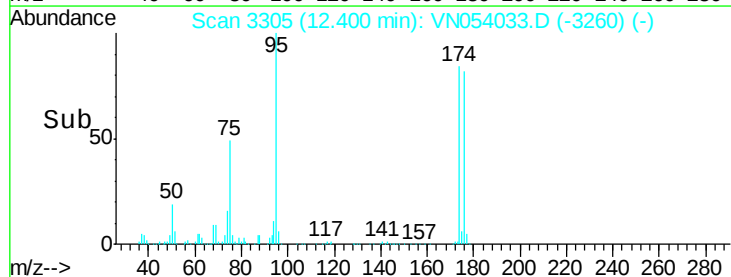
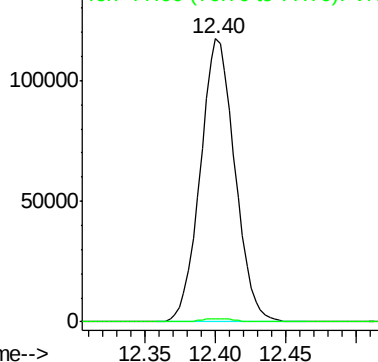
75 100

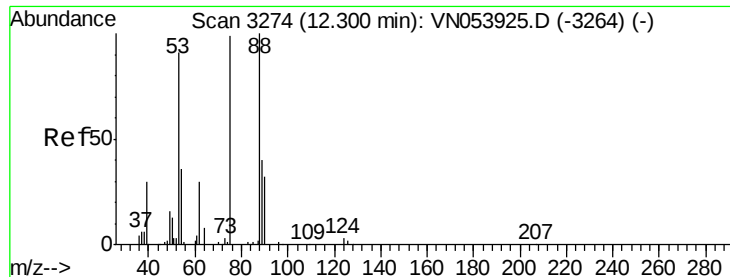
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 120.769 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054033.D

Acq: 1 Mar 2019 17:02

Instrument :

MSVOA_N

ClientSampleId :

VN0302WBL01

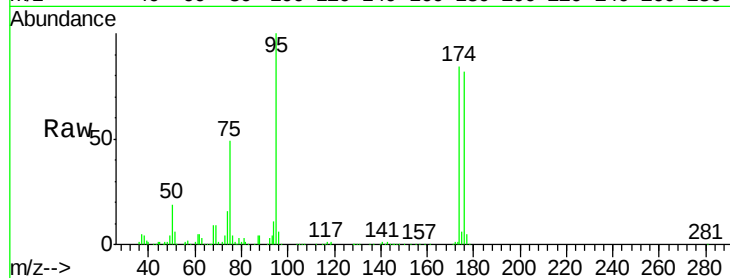
Tot Ion: 75 Resp: 200879

Ion Ratio Lower Upper

75 100

53 0.0 68.6 102.8#

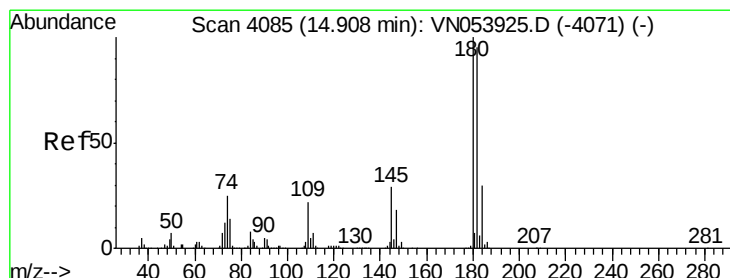
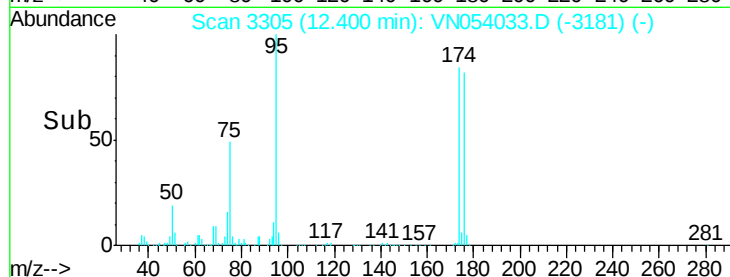
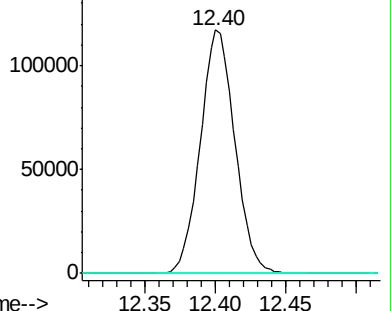
89 0.0 35.3 52.9#



Abundance Ion 74.90 (74.60 to 75.60): VN053925.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN053925.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN053925.D (-3264) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.534 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054033.D

Acq: 1 Mar 2019 17:02

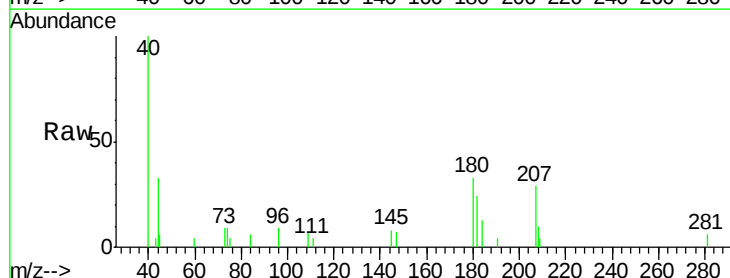
Tgt Ion: 180 Resp: 1962

Ion Ratio Lower Upper

180 100

182 90.0 48.6 145.9

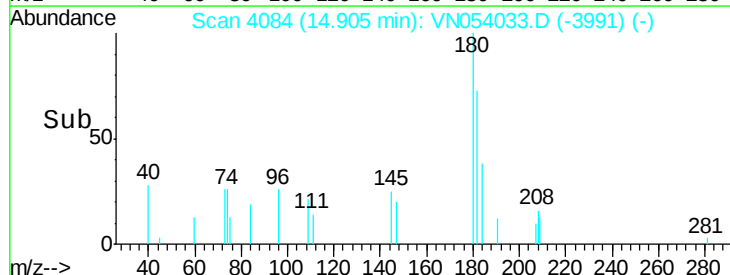
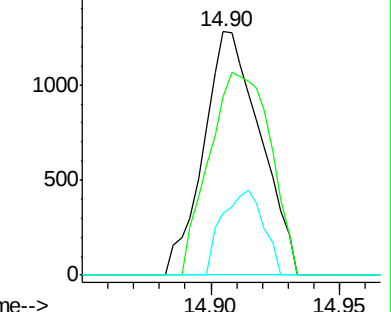
145 25.4 13.8 41.3

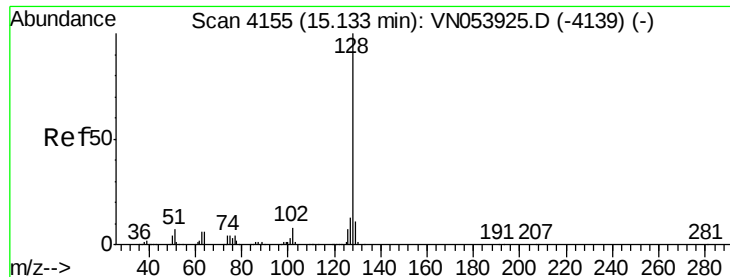


Abundance Ion 179.80 (179.50 to 180.50): VN053925.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN053925.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN053925.D (-4071) (-)

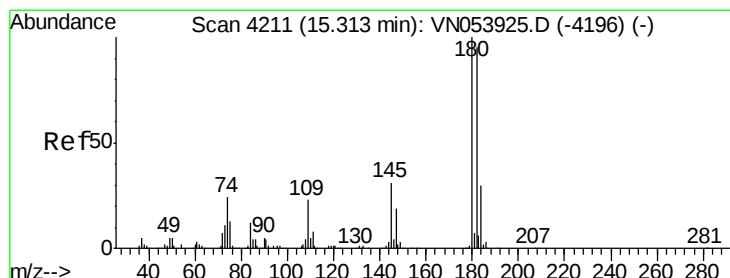
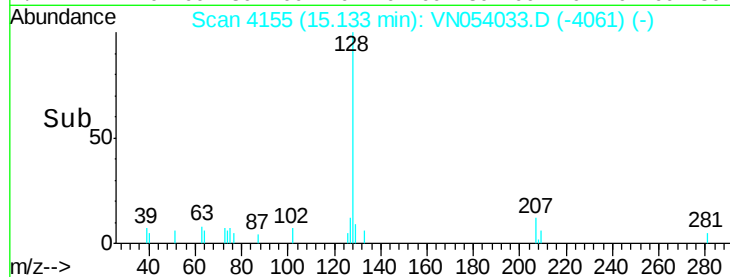
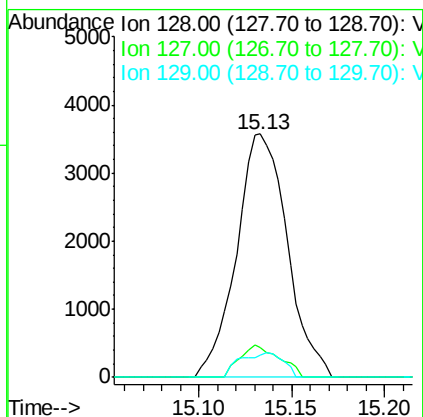
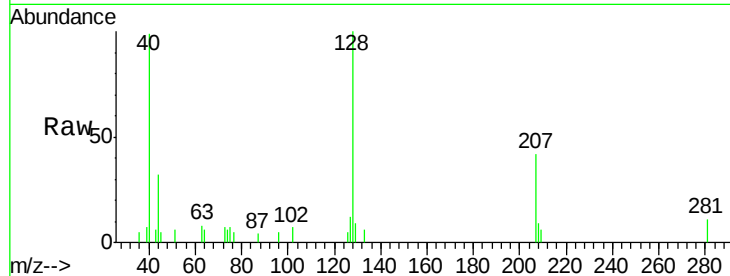




#95
Naphthalene
Concen: 3.701 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

Instrument :
MSVOA_N
ClientSampleId :
VN0302WBL01

Tot Ion:128 Resp: 6780
Ion Ratio Lower Upper
128 100
127 10.3 10.2 15.2
129 8.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 1.974 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.01 min
Lab File: VN054033.D
Acq: 1 Mar 2019 17:02

Tgt Ion:180 Resp: 2484
Ion Ratio Lower Upper
180 100
182 110.9 47.3 141.8
145 33.1 14.4 43.0

