

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032319\
 Data File : VN054612.D
 Acq On : 23 Mar 2019 18:44
 Operator : JC/SP
 Sample : K2020-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS036-190318

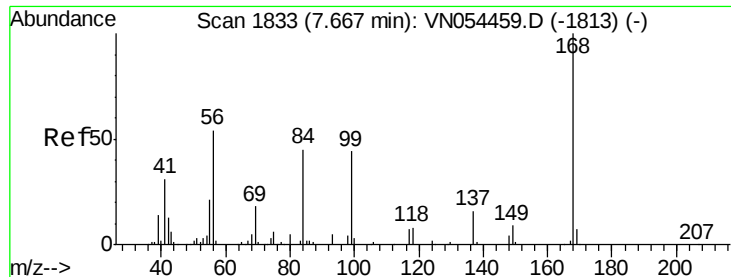
Quant Time: Mar 25 03:34:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 22 02:09:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	579979	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	912926	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	748432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	255891	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	408061	56.57	ug/l	0.00
Spiked Amount			Recovery	=	113.14%	
35) Dibromofluoromethane	7.59	113	323005	54.92	ug/l	0.00
Spiked Amount			Recovery	=	109.84%	
50) Toluene-d8	10.09	98	1205182	54.51	ug/l	0.00
Spiked Amount			Recovery	=	109.02%	
62) 4-Bromofluorobenzene	12.40	95	363031	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.60	59	113	0.259	ug/l #	70
16) Acetone	3.83	43	867	0.400	ug/l #	54
18) Methyl Acetate	4.33	43	2145	0.444	ug/l #	81
27) cis-1,2-Dichloroethene	6.83	96	56860	8.345	ug/l	95
31) Cyclohexane	7.67	56	12380	Below Cal	#	20
36) 1,1-Dichloropropene	7.66	75	43382	5.082	ug/l #	48
38) Carbon Tetrachloride	7.67	117	52691	6.352	ug/l #	16
43) Isopropyl Acetate	8.22	43	13273	1.295	ug/l #	60
71) Bromoform	12.38	173	138	2.255	ug/l #	28
76) 1,2,3-Trichloropropane	12.40	75	187162	46.092	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	187162	151.988	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

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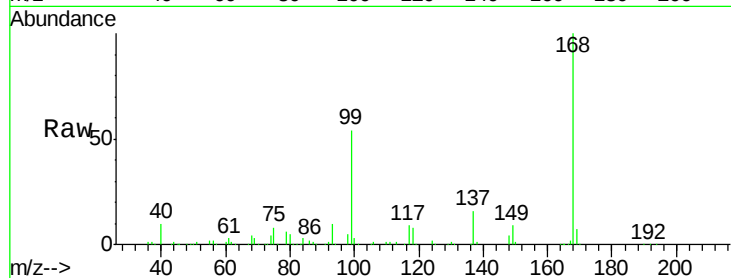
KY038PS036-190318

Tot Ion:168 Resp: 579979

Ion Ratio Lower Upper

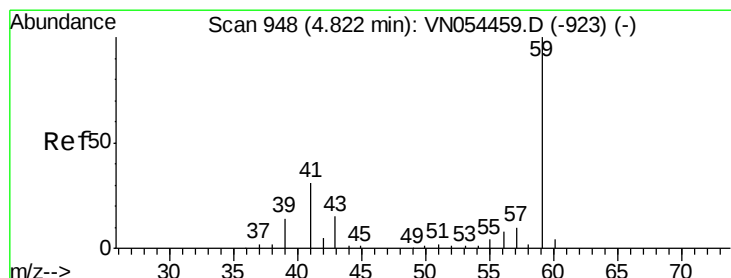
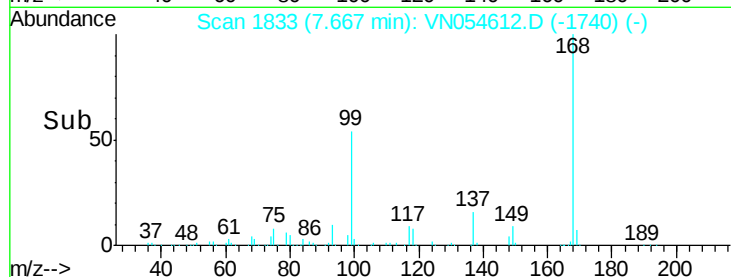
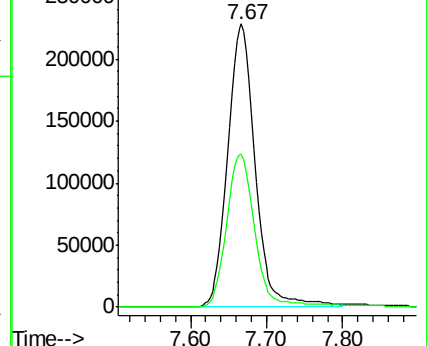
168 100

99 54.1 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 0.259 ug/l

RT: 4.60 min Scan# 879

Delta R.T. -0.22 min

Lab File: VN054612.D

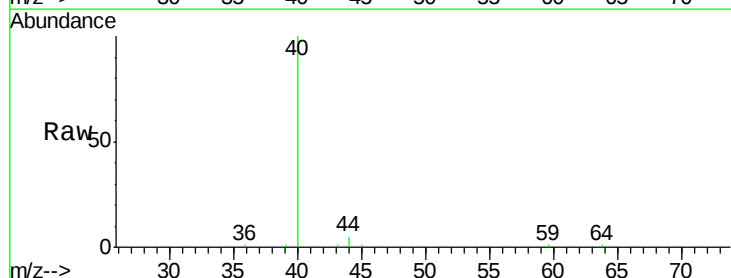
Acq: 23 Mar 2019 18:44

Tgt Ion: 59 Resp: 113

Ion Ratio Lower Upper

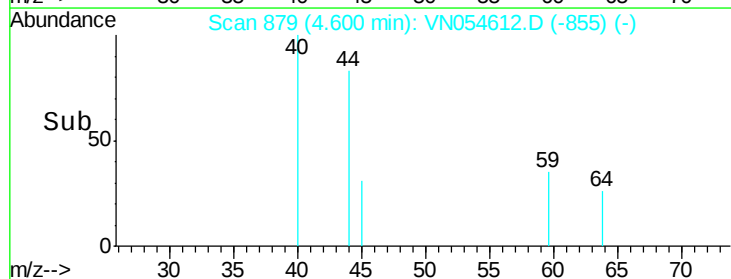
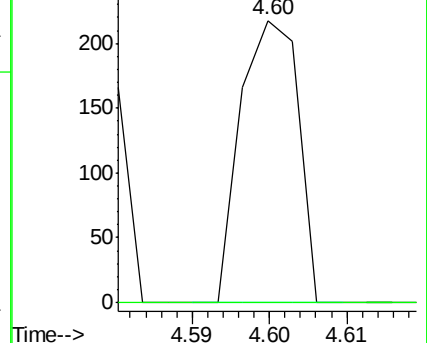
59 100

57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 0.400 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.01 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

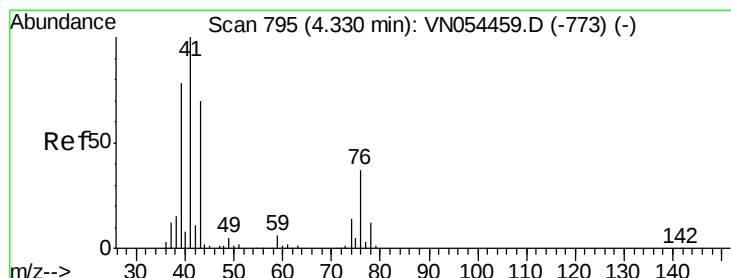
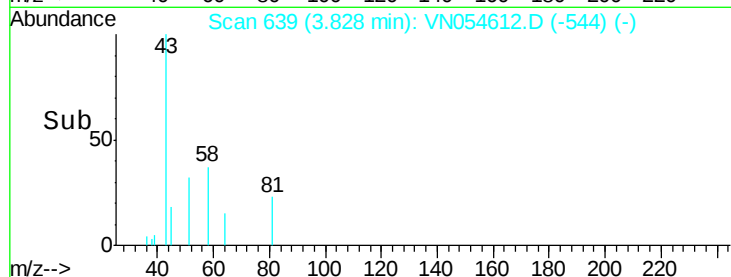
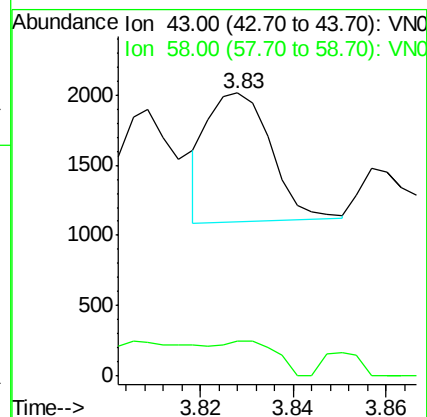
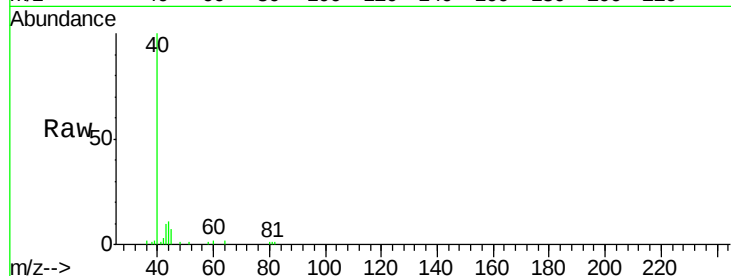
KY038PS036-190318

Tot Ion: 43 Resp: 867

Ion Ratio Lower Upper

43 100

58 9.6 29.9 44.9#



#18

Methyl Acetate

Concen: 0.444 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN054612.D

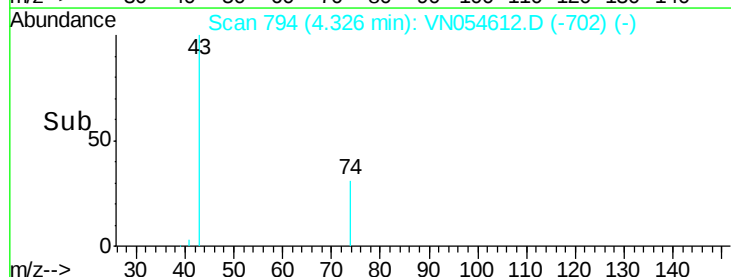
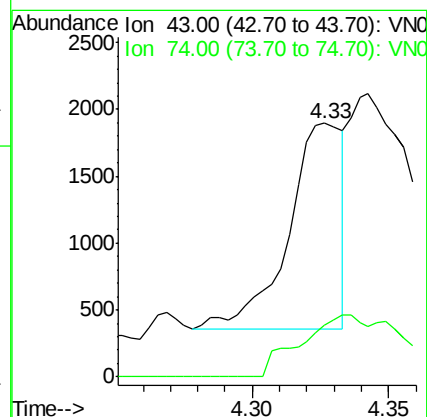
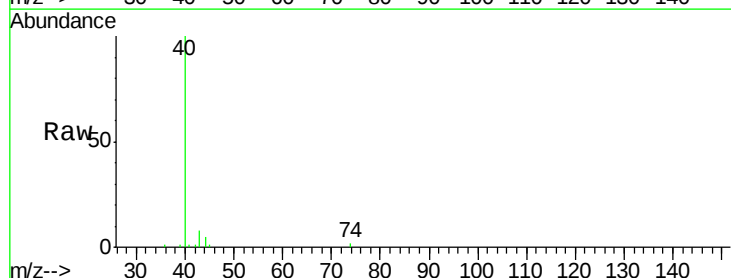
Acq: 23 Mar 2019 18:44

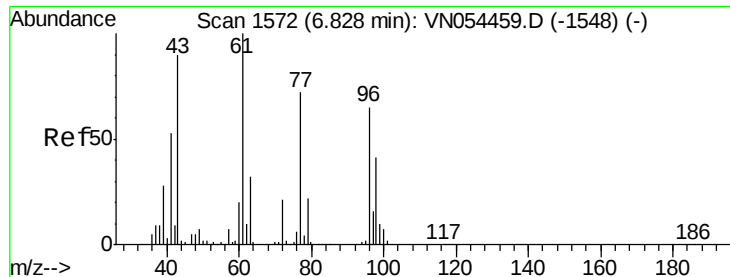
Tgt Ion: 43 Resp: 2145

Ion Ratio Lower Upper

43 100

74 35.5 20.8 31.2#





#27

cis-1,2-Dichloroethene

Concen: 8.345 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

KY038PS036-190318

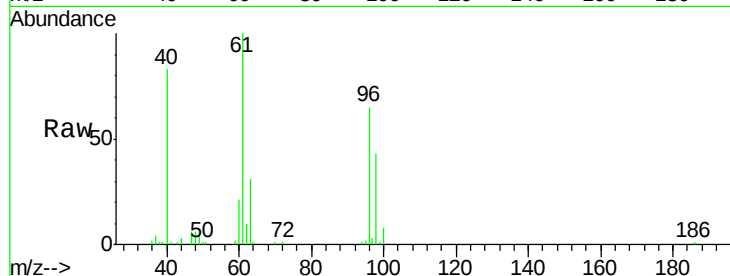
Tot Ion: 96 Resp: 56860

Ion Ratio Lower Upper

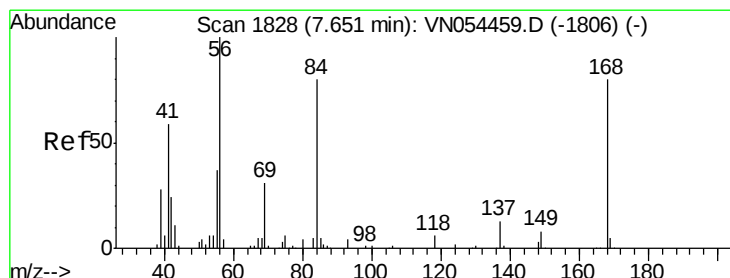
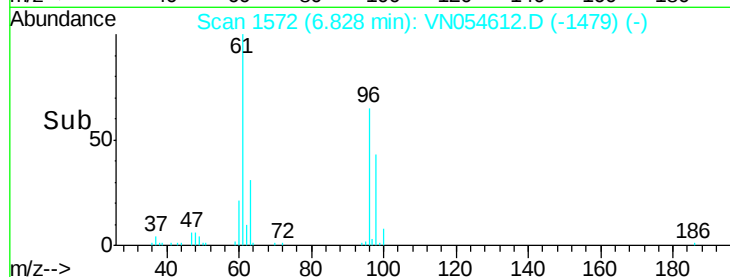
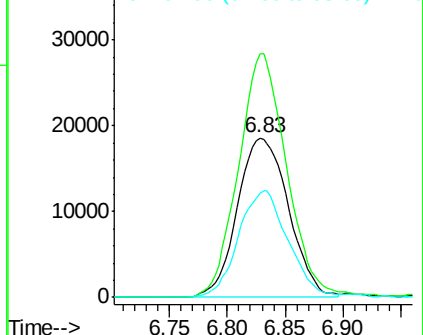
96 100

61 144.7 0.0 273.0

98 65.5 0.0 130.6



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



#31

Cyclohexane

Concen: Below Cal

RT: 7.67 min Scan# 1834

Delta R.T. 0.02 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

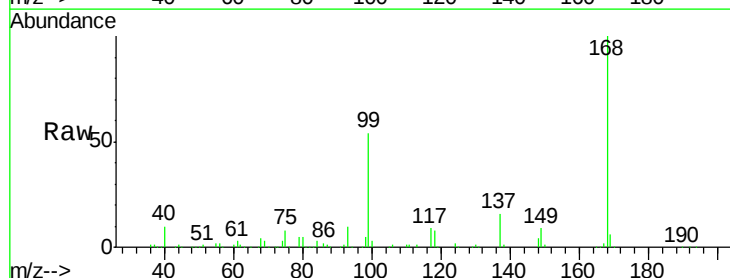
Tgt Ion: 56 Resp: 12380

Ion Ratio Lower Upper

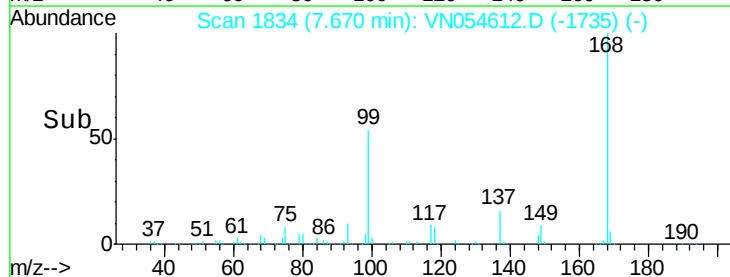
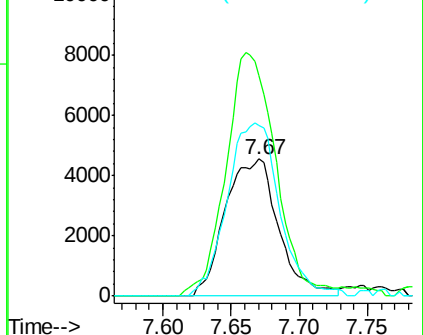
56 100

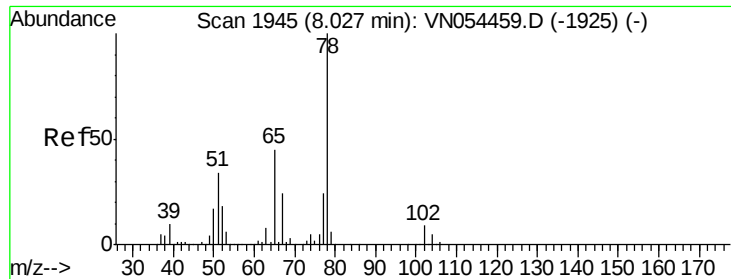
69 155.1 27.8 41.6#

84 124.6 74.6 111.8#



Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO





#33

1,2-Dichloroethane-d4

Concen: 56.565 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

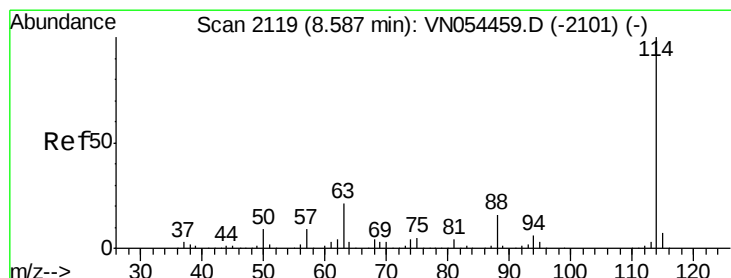
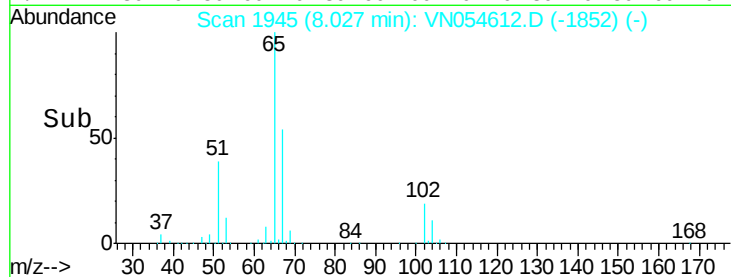
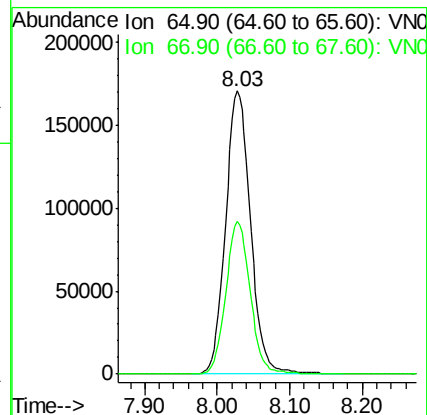
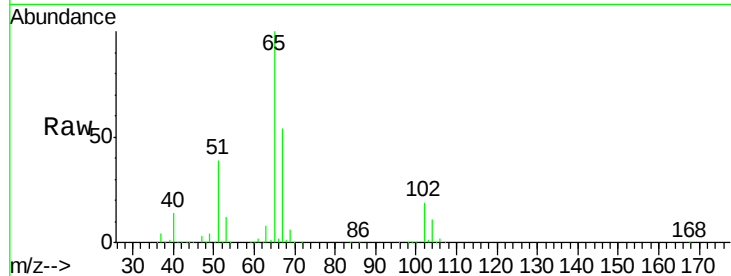
KY038PS036-190318

Tot Ion: 65 Resp: 408061

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

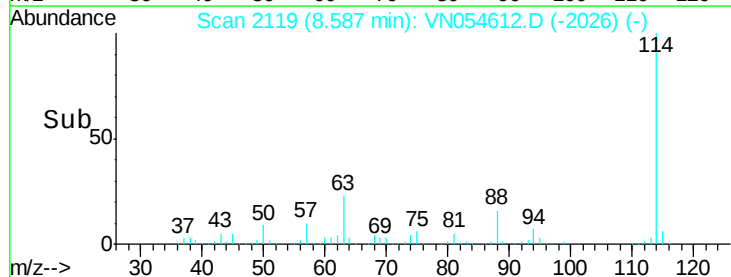
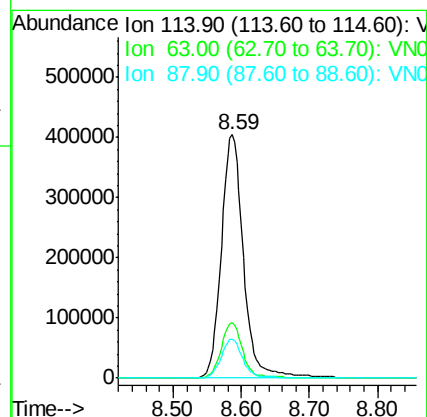
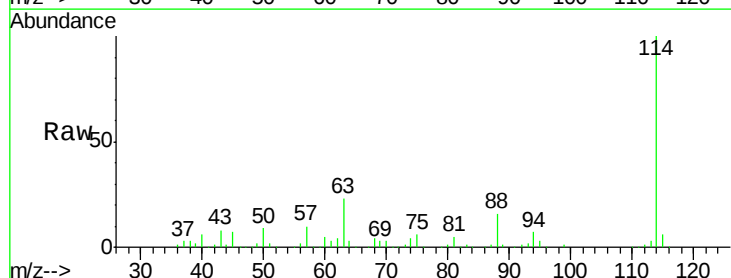
Tgt Ion: 114 Resp: 912926

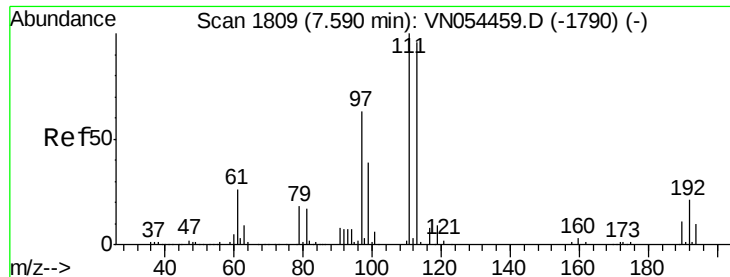
Ion Ratio Lower Upper

114 100

63 22.5 0.0 35.2

88 15.9 0.0 30.2

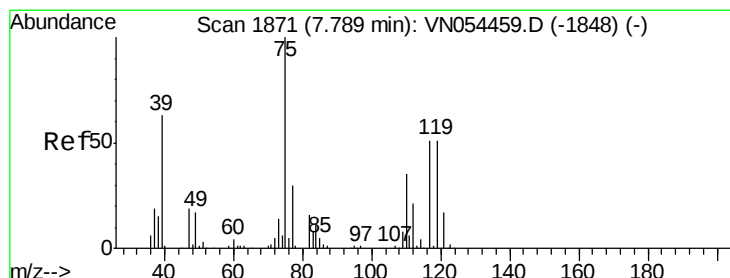
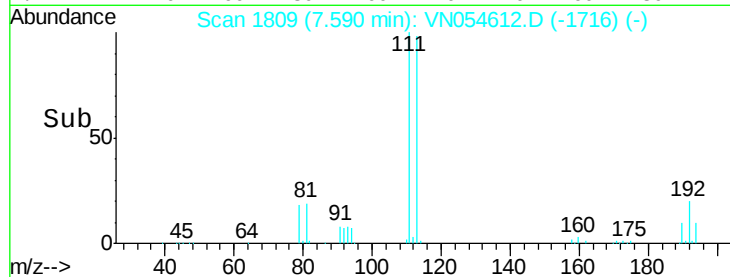
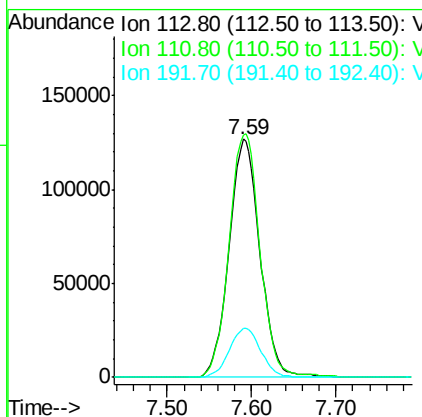
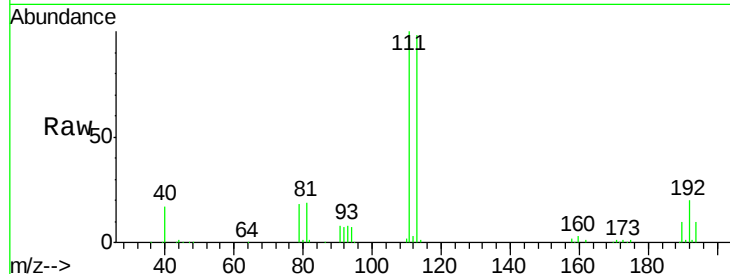




#35
 Dibromofluoromethane
 Concen: 54.919 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054612.D
 Acq: 23 Mar 2019 18:44

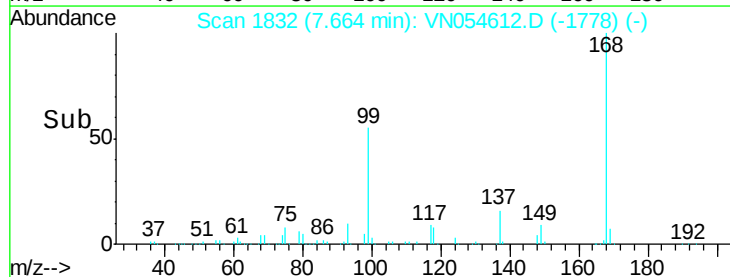
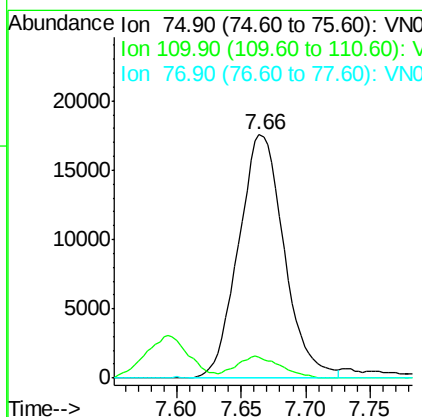
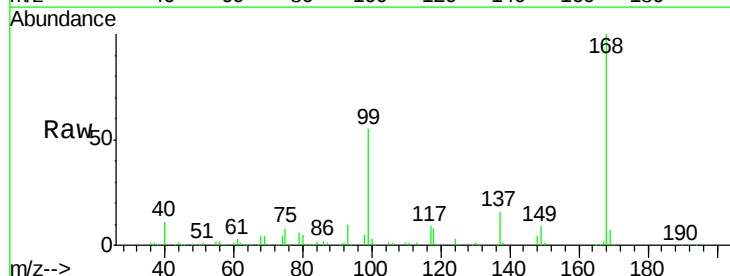
Instrument :
 MSVOA_N
 ClientSampleId :
 KY038PS036-190318

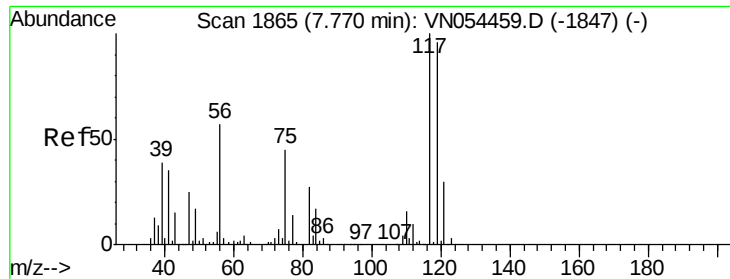
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.2	123.4
192	21.0	19.2	28.8



#36
 1,1-Dichloropropene
 Concen: 5.082 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054612.D
 Acq: 23 Mar 2019 18:44

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	19.1	57.5#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.352 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.10 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

KY038PS036-190318

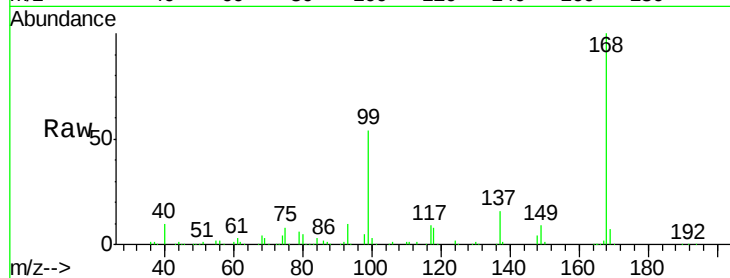
Tot Ion:117 Resp: 52691

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

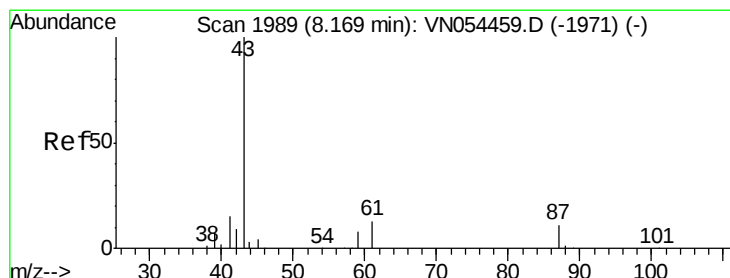
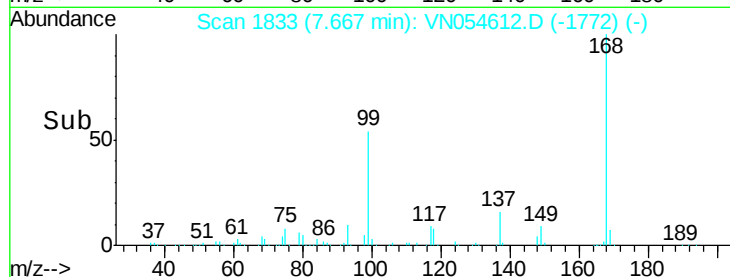
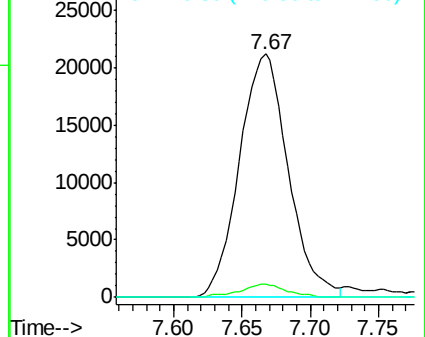
121 0.0 24.6 36.8#



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: 1.295 ug/l

RT: 8.22 min Scan# 2006

Delta R.T. 0.05 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

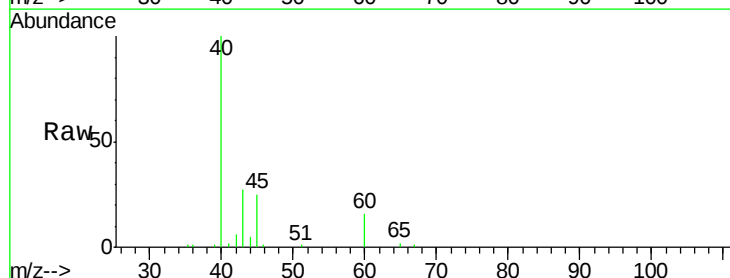
Tgt Ion: 43 Resp: 13273

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

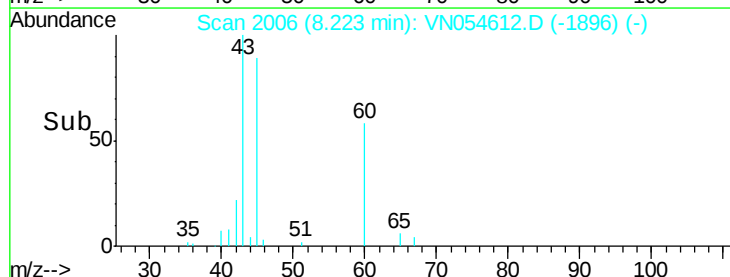
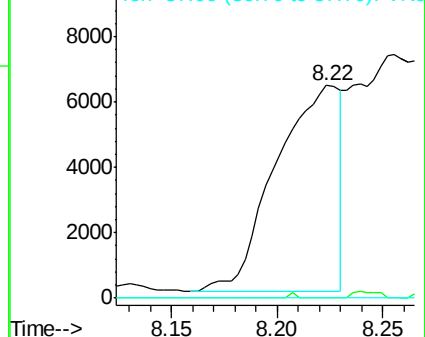
87 0.0 12.0 18.0#

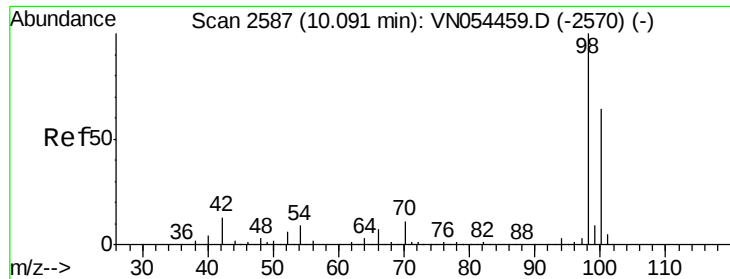


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 54.506 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

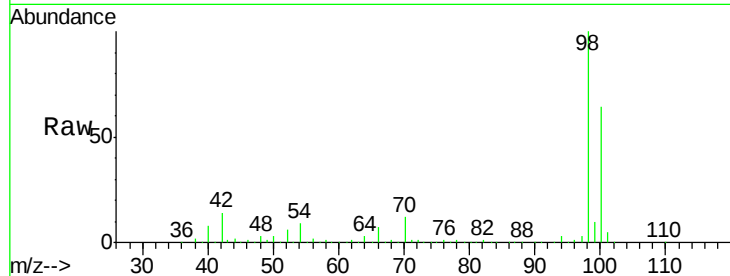
KY038PS036-190318

Tot Ion: 98 Resp: 1205182

Ion Ratio Lower Upper

98 100

100 64.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054459.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN054459.D (-2570) (-)

10.09

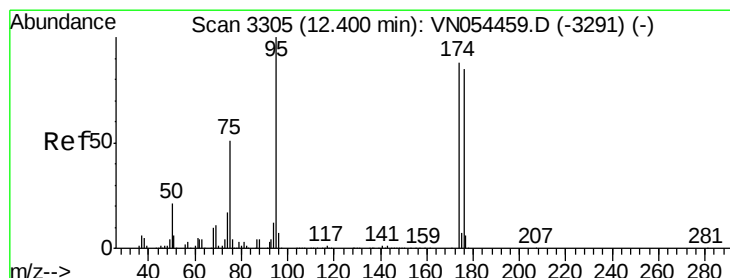
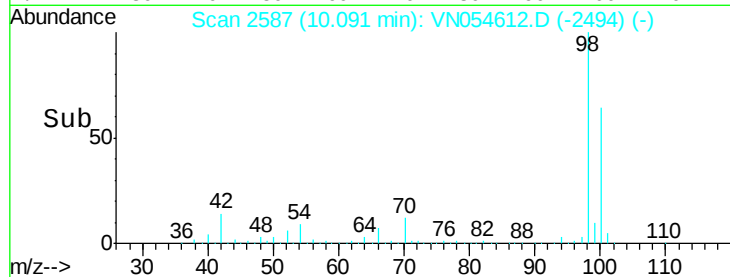
600000

400000

200000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 48.250 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

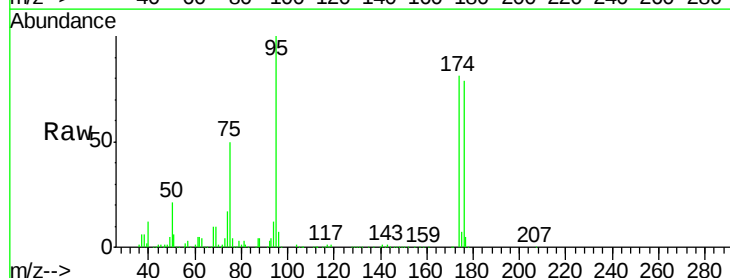
Tgt Ion: 95 Resp: 363031

Ion Ratio Lower Upper

95 100

174 83.5 0.0 191.0

176 81.4 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054459.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN054459.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN054459.D (-3291) (-)

12.40

300000

250000

200000

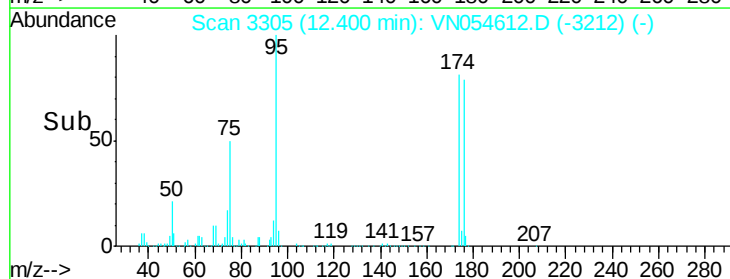
150000

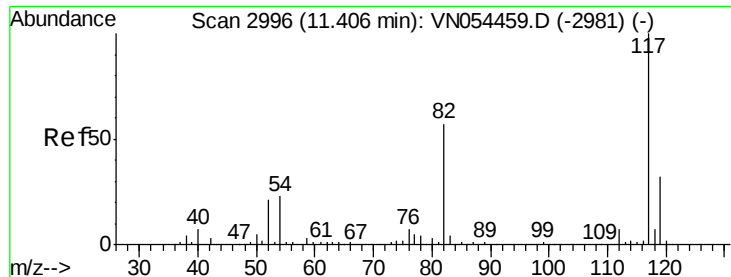
100000

50000

0

Time-->

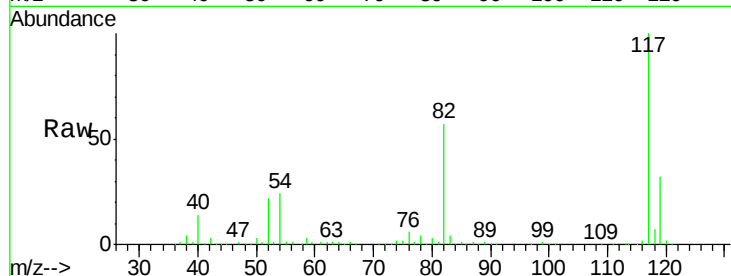




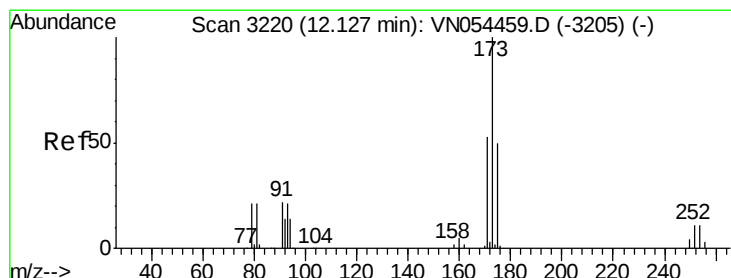
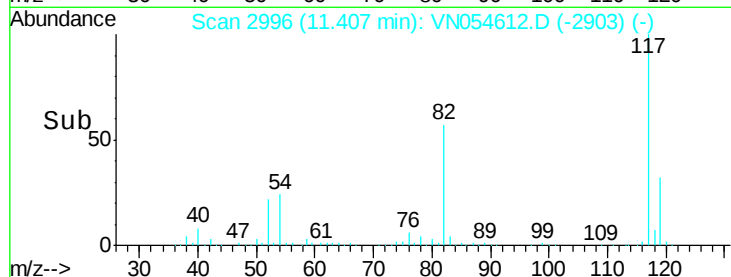
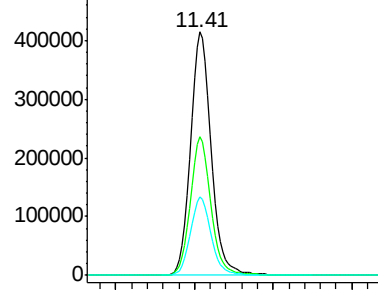
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054612.D
Acq: 23 Mar 2019 18:44

Instrument :
MSVOA_N
ClientSampleId :
KY038PS036-190318

Tot Ion:117 Resp: 748432
Ion Ratio Lower Upper
117 100
82 57.1 40.0 60.0
119 32.1 25.8 38.6

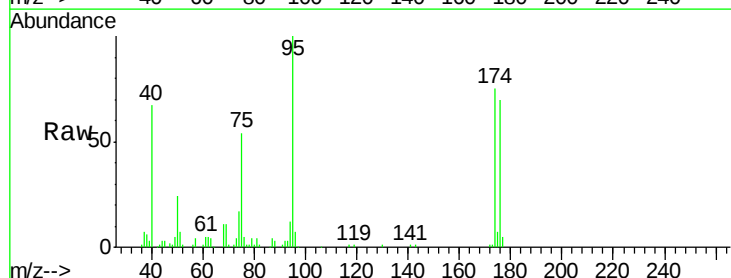


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

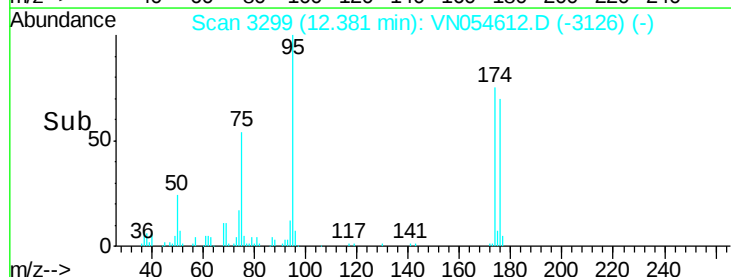
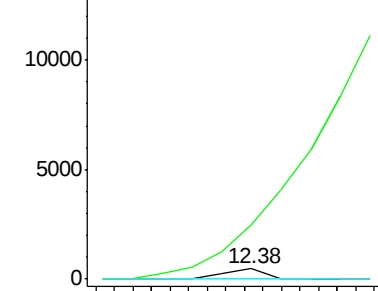


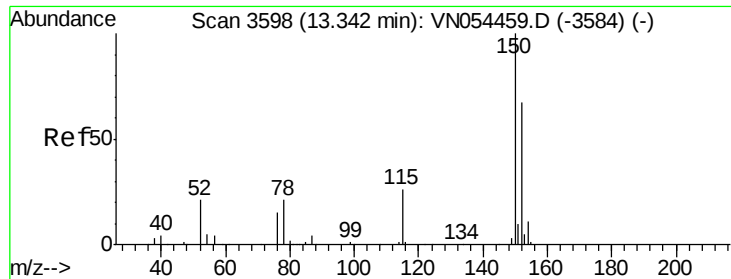
#71
Bromoform
Concen: 2.255 ug/l
RT: 12.38 min Scan# 3299
Delta R.T. 0.25 min
Lab File: VN054612.D
Acq: 23 Mar 2019 18:44

Tgt Ion:173 Resp: 138
Ion Ratio Lower Upper
173 100
175 0.0 24.4 73.2#
254 0.0 0.1 0.1#



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: VN054612.D

Acq: 23 Mar 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

KY038PS036-190318

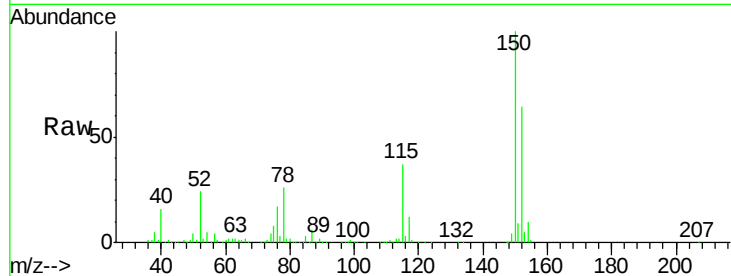
Tot Ion:152 Resp: 255891

Ion Ratio Lower Upper

152 100

115 58.2 27.2 81.6

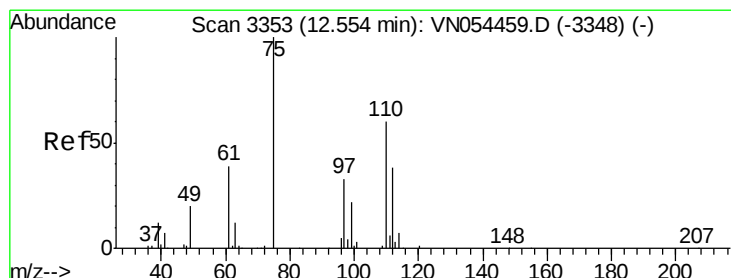
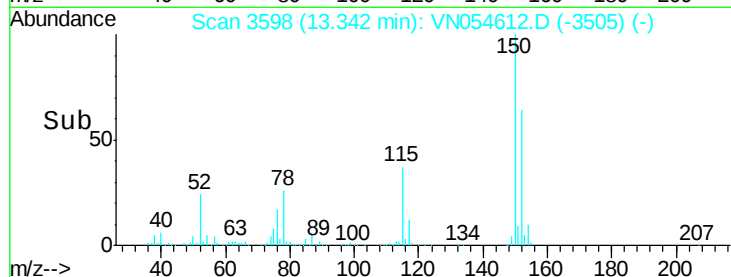
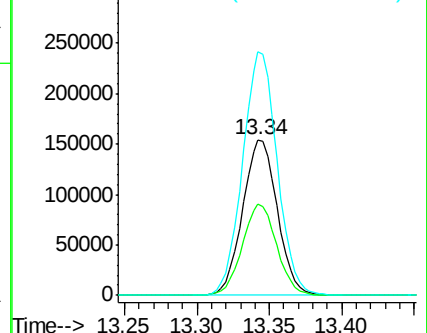
150 156.4 0.0 349.2



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: 46.092 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054612.D

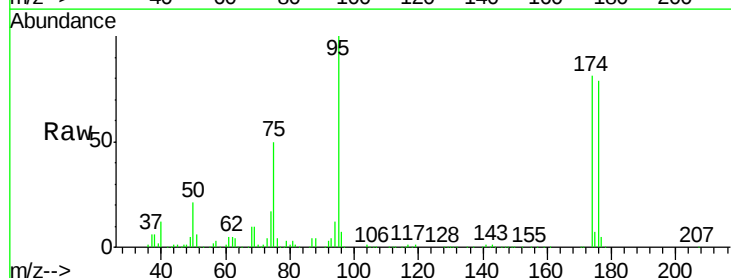
Acq: 23 Mar 2019 18:44

Tgt Ion: 75 Resp: 187162

Ion Ratio Lower Upper

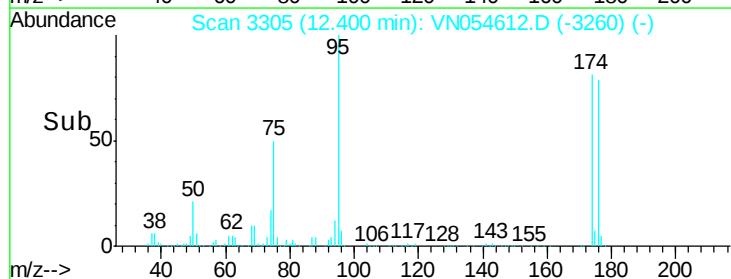
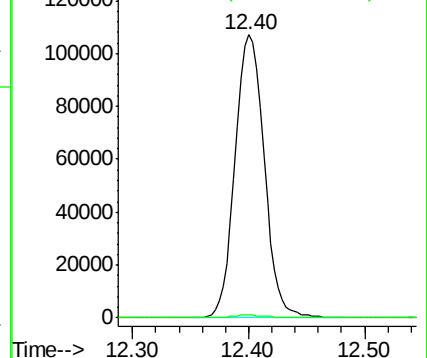
75 100

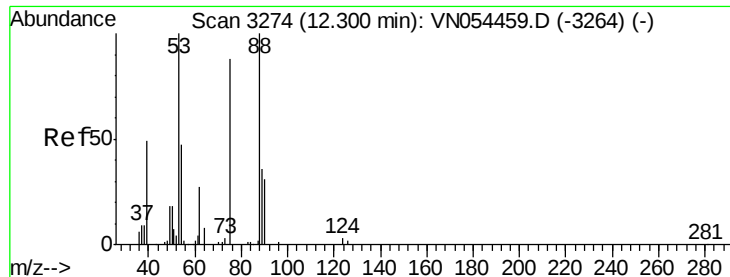
77 1.1 0.0 0.0#



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: 151.988 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054612.D

Acq: 23 Mar 2019 18:44

Instrument :

MSVOA_N

ClientSampleId :

KY038PS036-190318

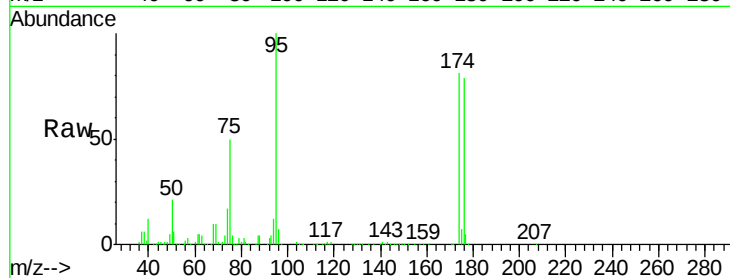
Tot Ion: 75 Resp: 187162

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

