

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN032219\
 Data File : VN054584.D
 Acq On : 23 Mar 2019 4:10
 Operator : JC/SP
 Sample : K2045-10
 Misc : 5.38g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB435-190318-(20-22)

Quant Time: Mar 23 05:28:58 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	7.66	168	555641	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	873111	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	745018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317770	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	351314	50.83	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.66%	
35) Dibromofluoromethane	7.59	113	258701	45.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	91.98%	
50) Toluene-d8	10.09	98	1054926	49.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.40	95	340944	47.38	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	94.76%	

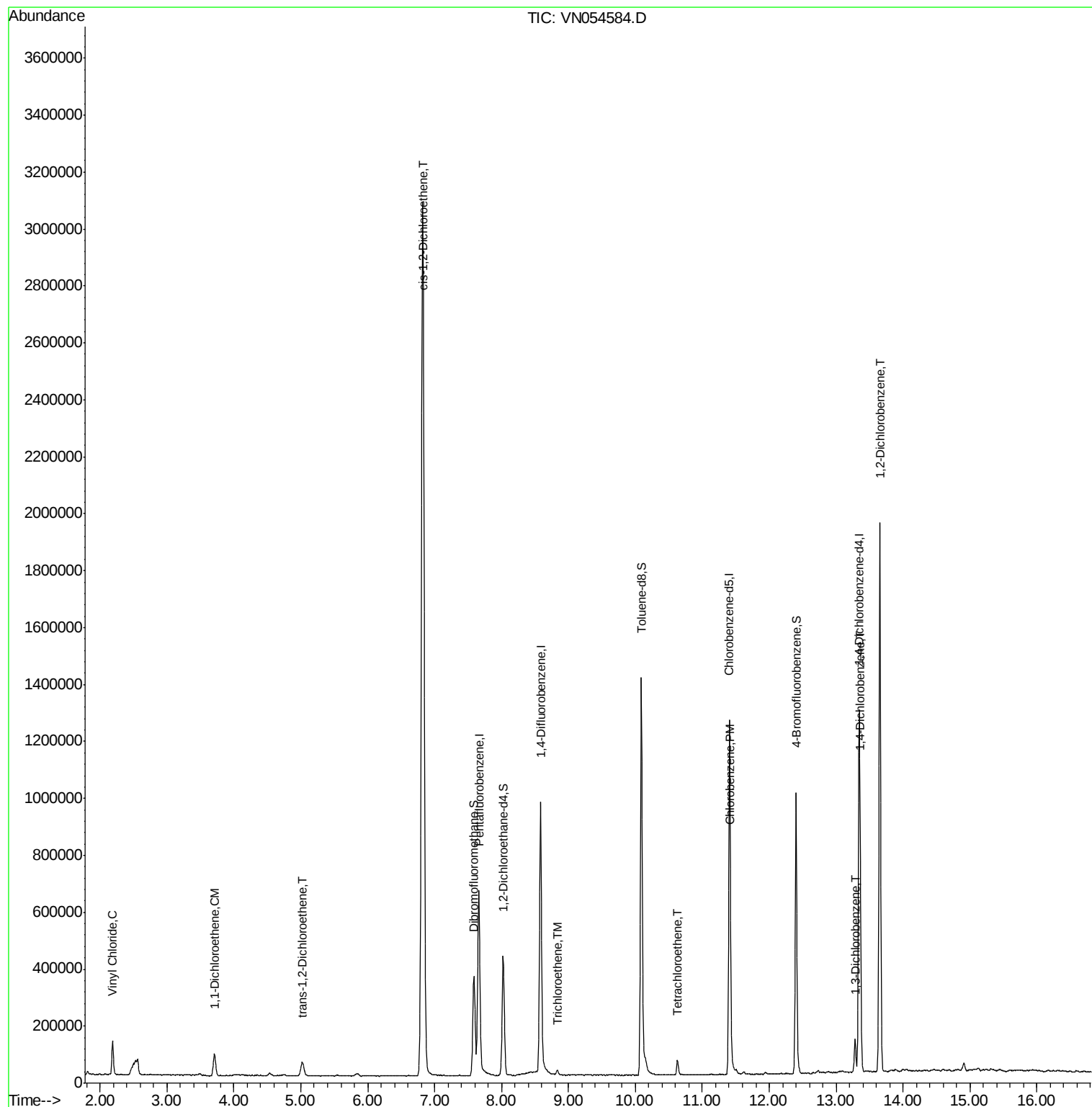
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.19	62	112720	15.535	ug/l	97
12) 1,1-Dichloroethene	3.71	96	35342	6.594	ug/l #	75
21) trans-1,2-Dichloroethene	5.02	96	31594	5.773	ug/l #	82
27) cis-1,2-Dichloroethene	6.82	96	1939725	297.164	ug/l	97
44) Trichloroethene	8.83	130	5514	0.850	ug/l	93
64) Tetrachloroethene	10.63	164	12148	1.966	ug/l	93
65) Chlorobenzene	11.43	112	10840	0.715	ug/l	93
87) 1,3-Dichlorobenzene	13.28	146	49644	4.717	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	171998	16.797	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	817938	80.240	ug/l	98

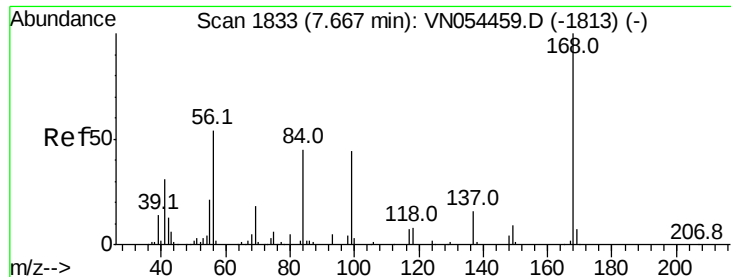
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN032219\
Data File : VN054584.D
Acq On : 23 Mar 2019 4:10
Operator : JC/SP
Sample : K2045-10
Misc : 5.38g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WP022SB435-190318-(20-22)

Quant Time: Mar 23 05:28:58 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N032019W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 22 02:09:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

Instrument :

MSVOA_N

ClientSampleId :

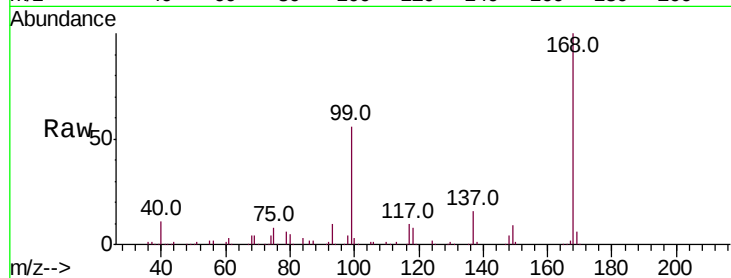
WP022SB435-190318-(20-22)

Tot Ion:168 Resp: 555641

Ion Ratio Lower Upper

168 100

99 56.5 37.1 55.7#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

250000

200000

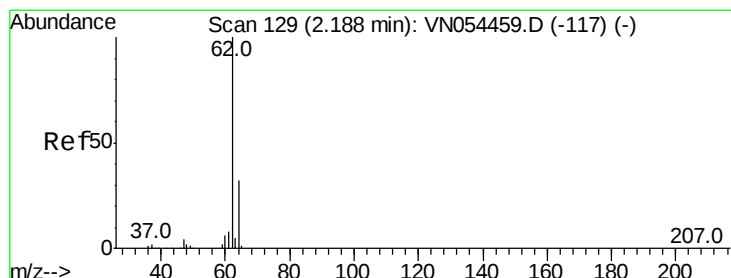
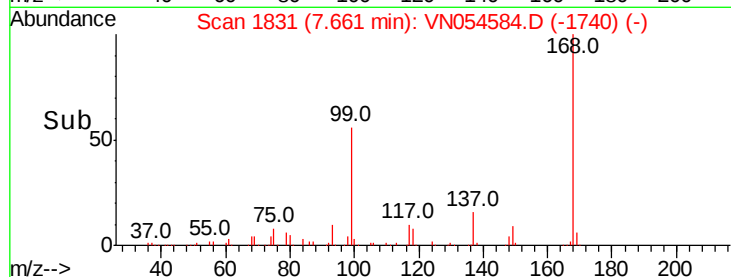
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 15.535 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN054584.D

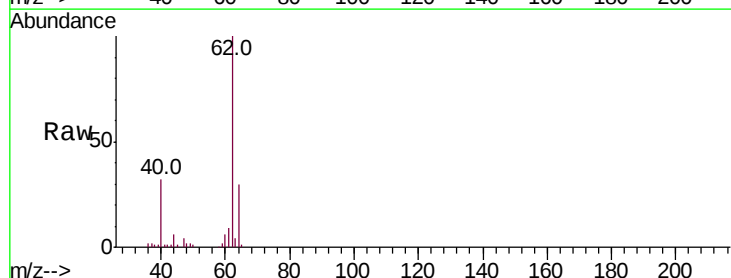
Acq: 23 Mar 2019 4:10

Tgt Ion: 62 Resp: 112720

Ion Ratio Lower Upper

62 100

64 30.1 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.19

80000

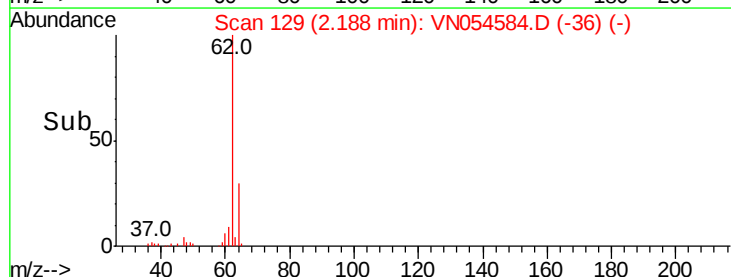
60000

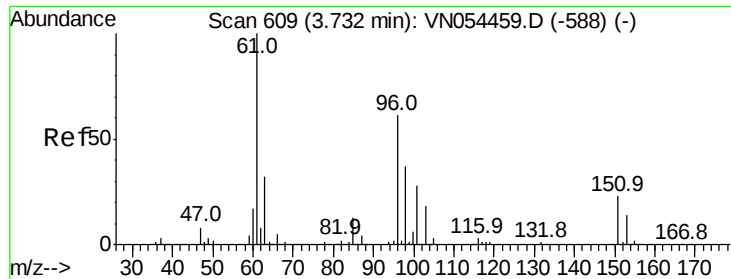
40000

20000

0

Time-->





#12

1,1-Dichloroethene

Concen: 6.594 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.02 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

Instrument :

MSVOA_N

ClientSampleId :

WP022SB435-190318-(20-22)

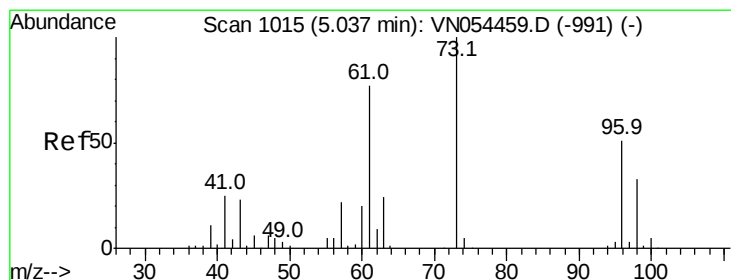
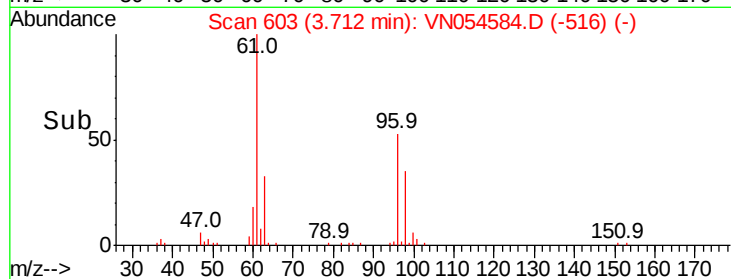
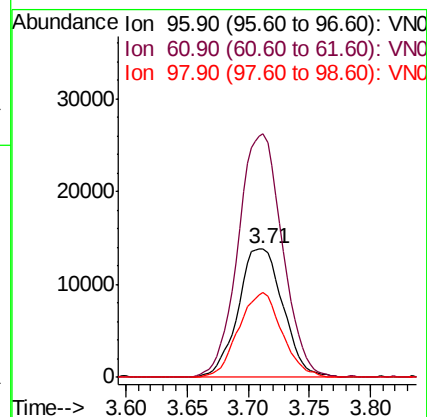
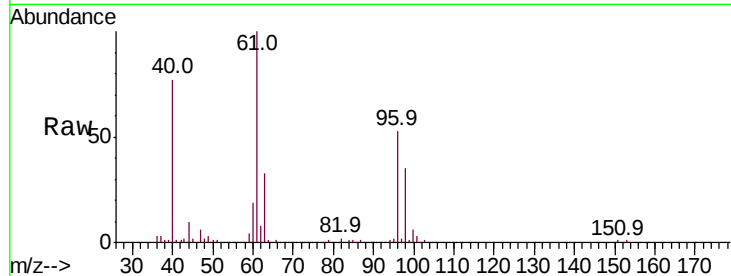
Tot Ion: 96 Resp: 35342

Ion Ratio Lower Upper

96 100

61 188.9 116.5 174.7#

98 66.0 51.0 76.4



#21

trans-1,2-Dichloroethene

Concen: 5.773 ug/l

RT: 5.02 min Scan# 1010

Delta R.T. -0.02 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

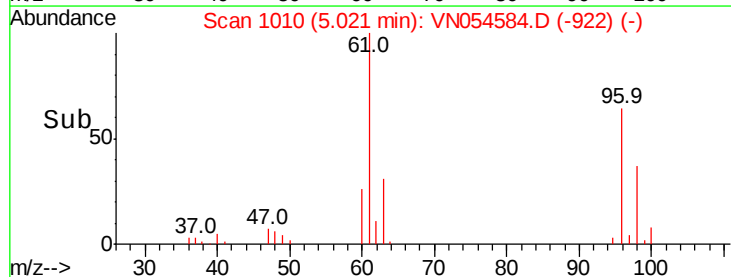
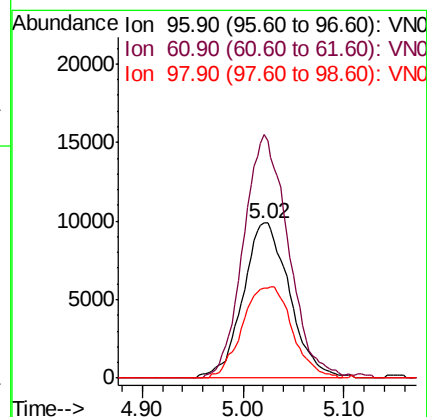
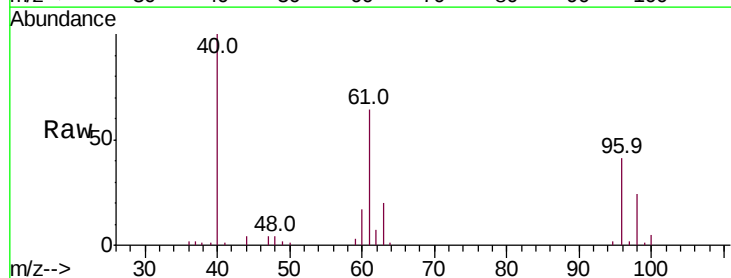
Tgt Ion: 96 Resp: 31594

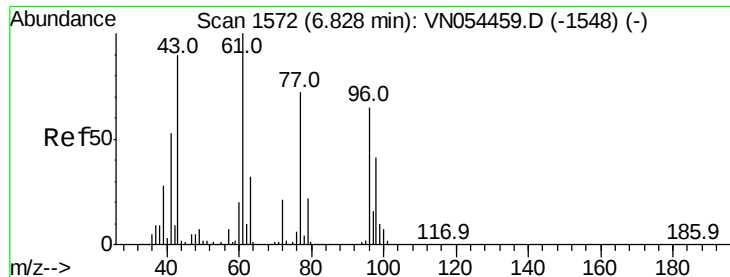
Ion Ratio Lower Upper

96 100

61 157.0 102.8 154.2#

98 58.0 50.0 75.0





#27

cis-1,2-Dichloroethene

Concen: 297.164 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.01 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

Instrument :

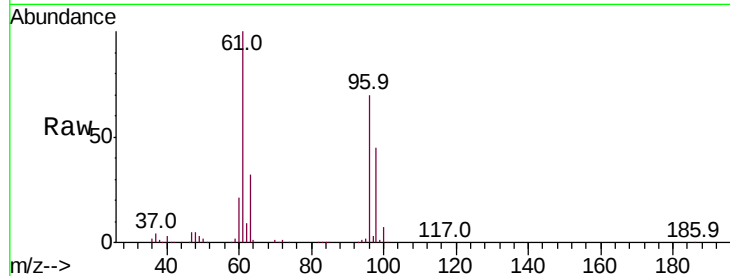
MSVOA_N

ClientSampleId :

WP022SB435-190318-(20-22)

Tot Ion: 96 Resp: 1939725

Ion	Ratio	Lower	Upper
96	100		
61	142.2	0.0	273.0
98	64.8	0.0	130.6

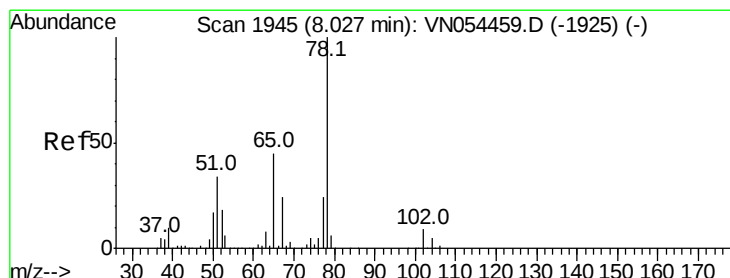
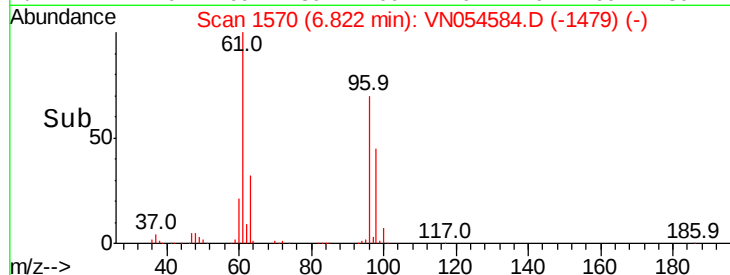
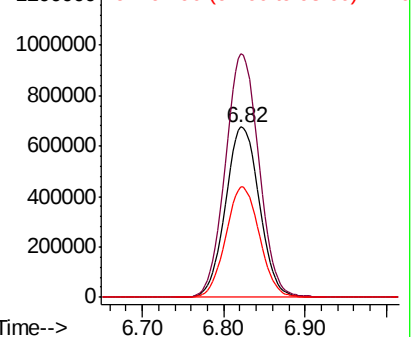


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.832 ug/l

RT: 8.02 min Scan# 1944

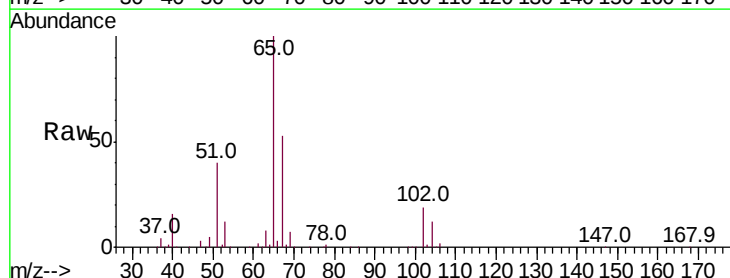
Delta R.T. -0.00 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

Tgt Ion: 65 Resp: 351314

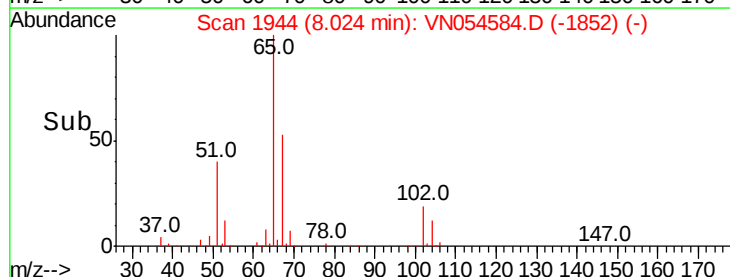
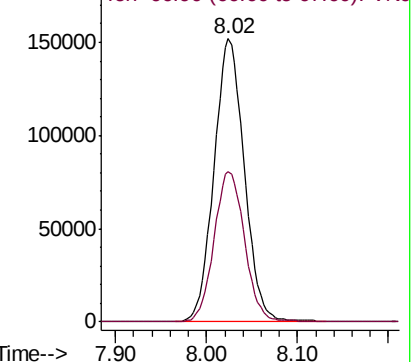
Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	104.6

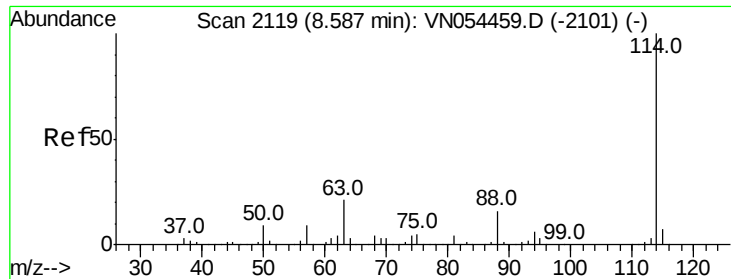


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

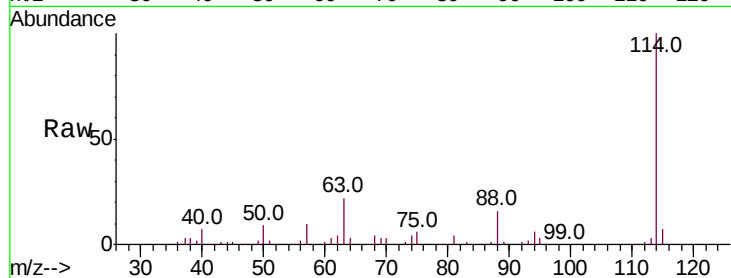




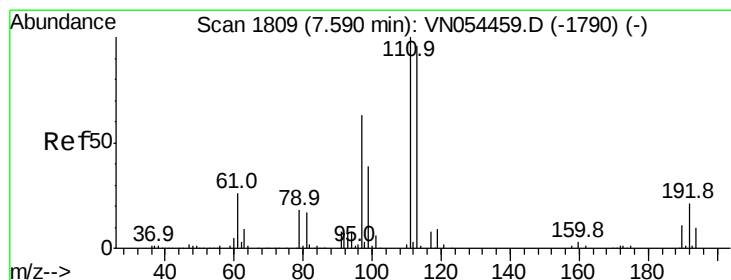
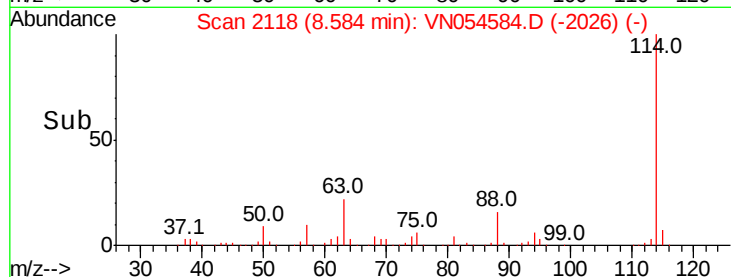
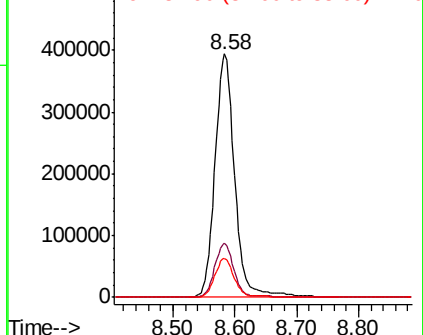
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054584.D
 Acq: 23 Mar 2019 4:10

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB435-190318-(20-22)

Tot Ion:	114	Resp:	873111
Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	35.2
88	16.1	0.0	30.2

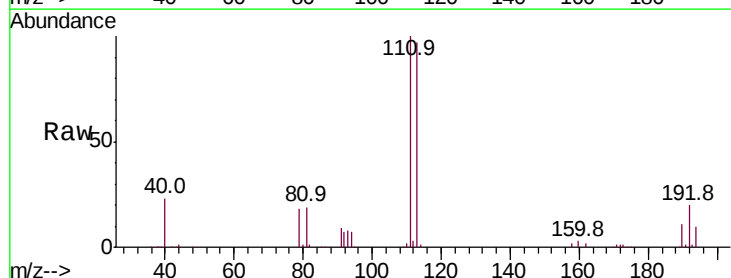


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VNO
 Ion 87.90 (87.60 to 88.60): VNO

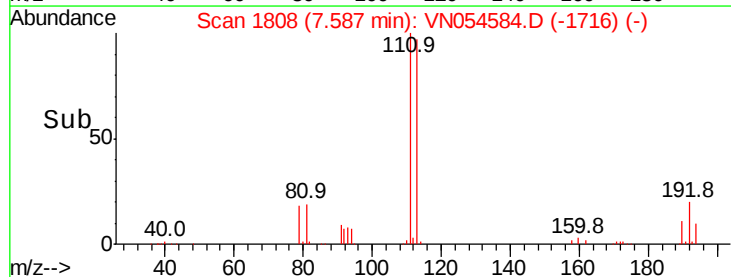
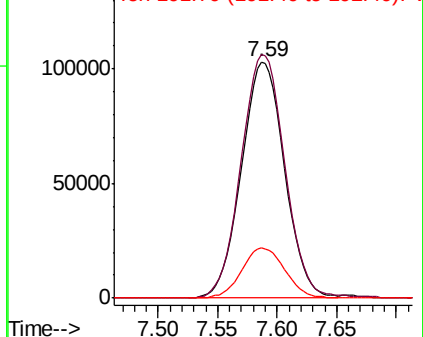


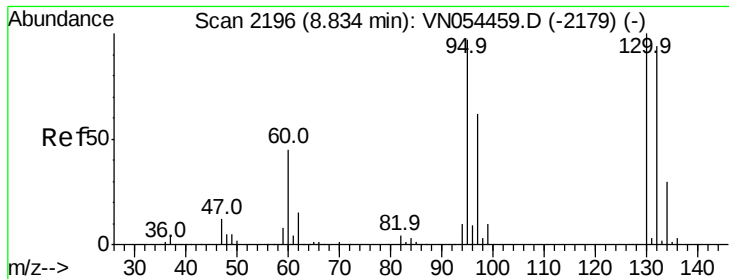
#35
 Dibromofluoromethane
 Concen: 45.991 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.00 min
 Lab File: VN054584.D
 Acq: 23 Mar 2019 4:10

Tgt Ion:	113	Resp:	258701
Ion	Ratio	Lower	Upper
113	100		
111	105.2	82.2	123.4
192	21.3	19.2	28.8



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





#44

Trichloroethene

Concen: 0.850 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

Instrument :

MSVOA_N

ClientSampleId :

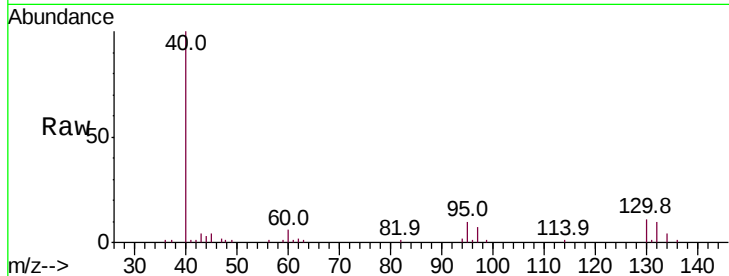
WP022SB435-190318-(20-22)

Tot Ion:130 Resp: 5514

Ion Ratio Lower Upper

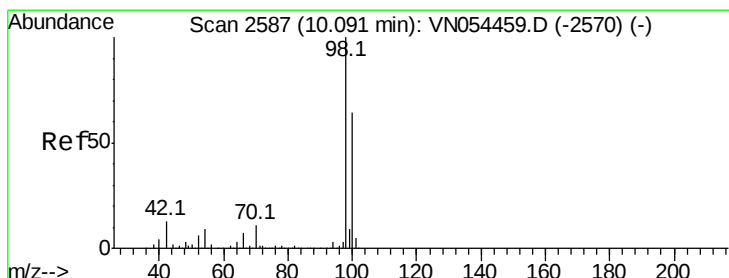
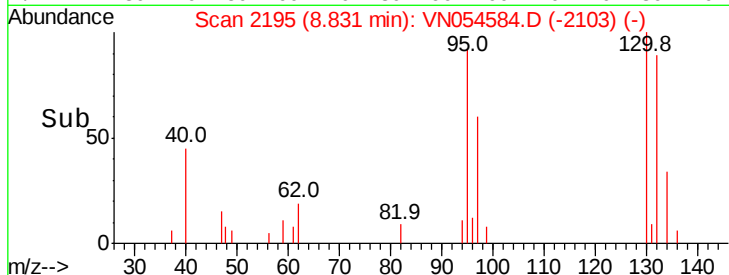
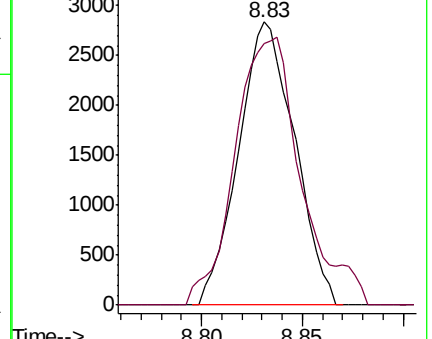
130 100

95 85.8 0.0 185.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 49.886 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN054584.D

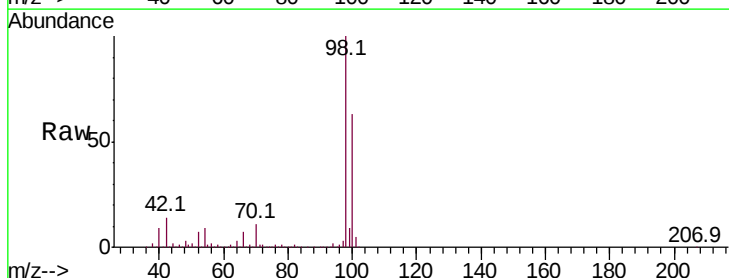
Acq: 23 Mar 2019 4:10

Tgt Ion: 98 Resp: 1054926

Ion Ratio Lower Upper

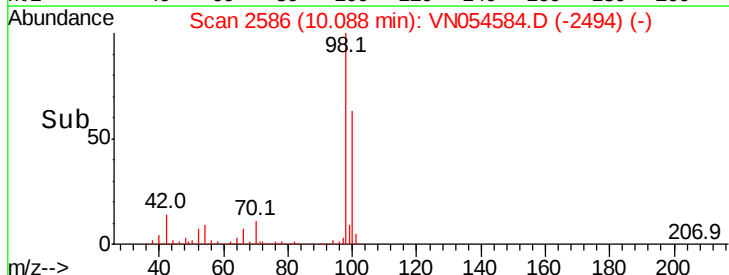
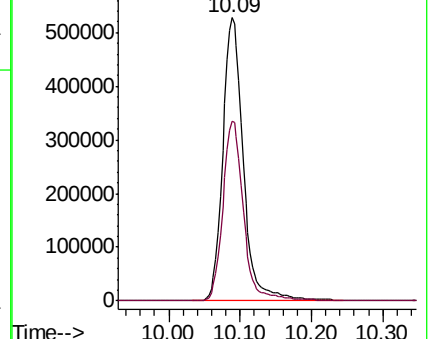
98 100

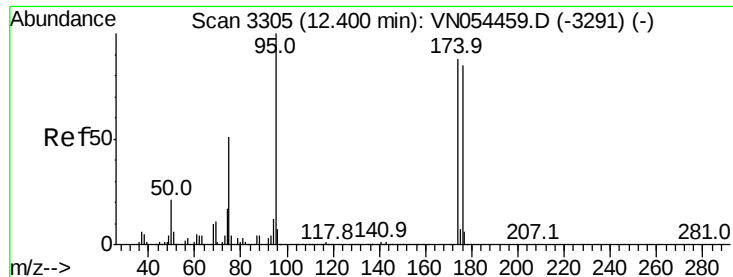
100 63.8 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 47.381 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

Instrument :

MSVOA_N

ClientSampleId :

WP022SB435-190318-(20-22)

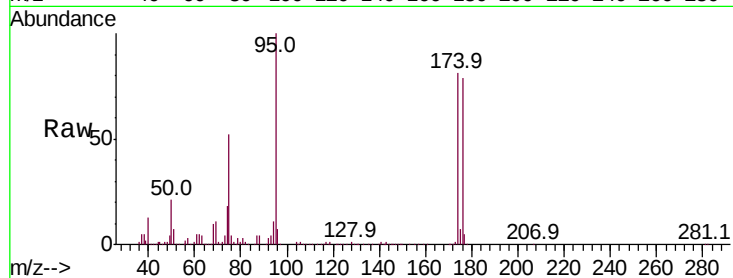
Tot Ion: 95 Resp: 340944

Ion Ratio Lower Upper

95 100

174 82.5 0.0 191.0

176 80.5 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

200000

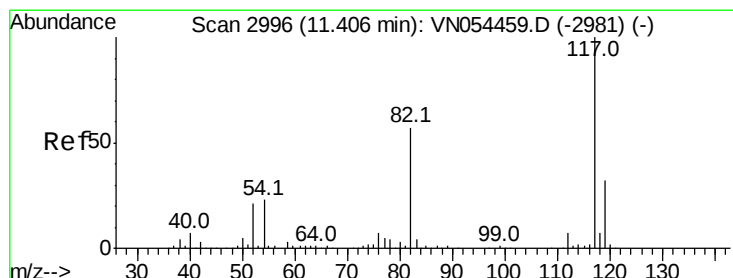
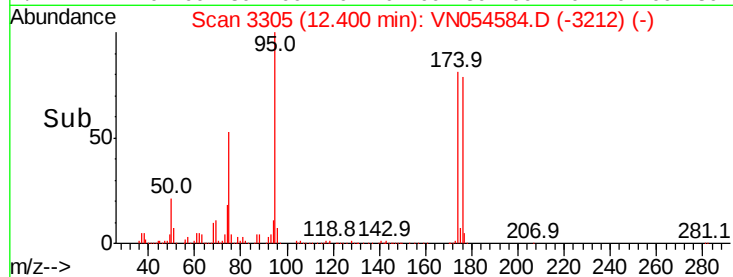
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

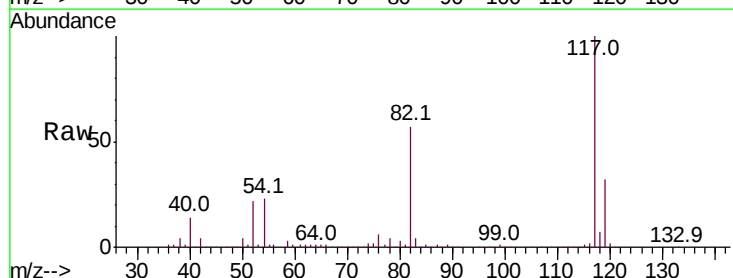
Tgt Ion: 117 Resp: 745018

Ion Ratio Lower Upper

117 100

82 56.9 40.0 60.0

119 32.2 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VN054459.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN054459.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN054459.D (-2981) (-)

11.41

500000

400000

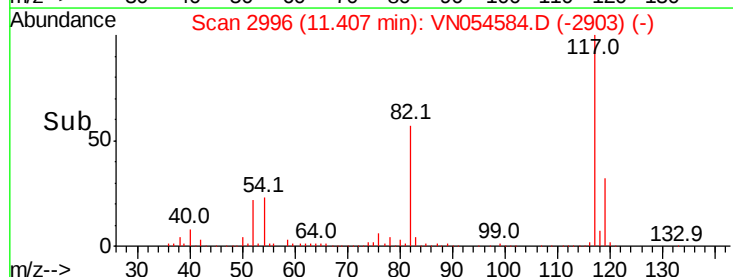
300000

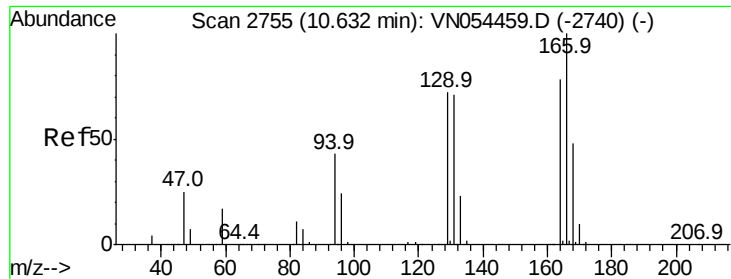
200000

100000

0

Time--> 11.30 11.40 11.50





#64

Tetrachloroethene

Concen: 1.966 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

Instrument :

MSVOA_N

ClientSampleId :

WP022SB435-190318-(20-22)

Tot Ion:164 Resp: 12148

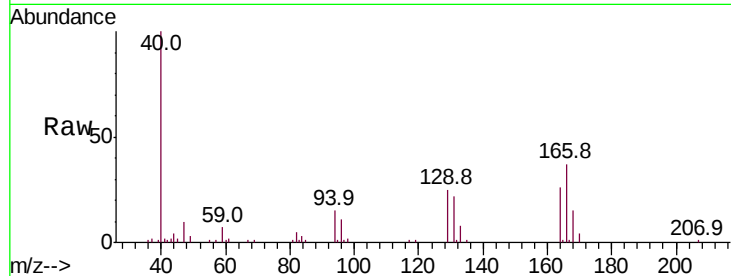
Ion Ratio Lower Upper

164 100

166 141.2 103.9 155.9

129 95.8 71.1 106.7

131 83.9 68.2 102.4

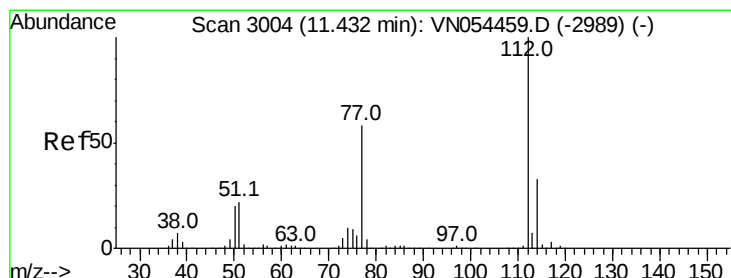
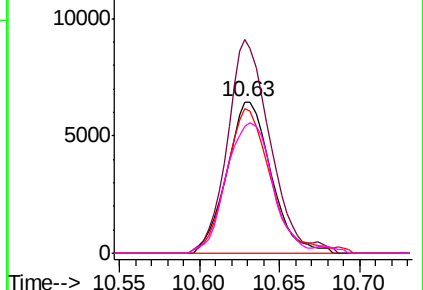
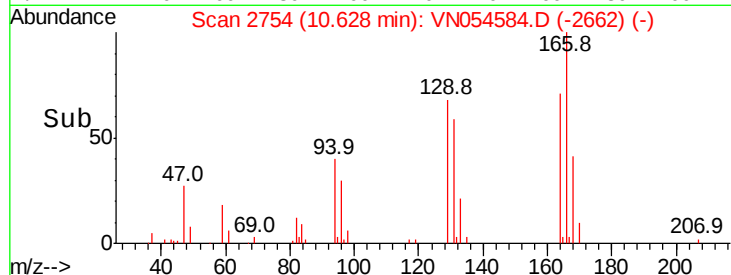


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 0.715 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN054584.D

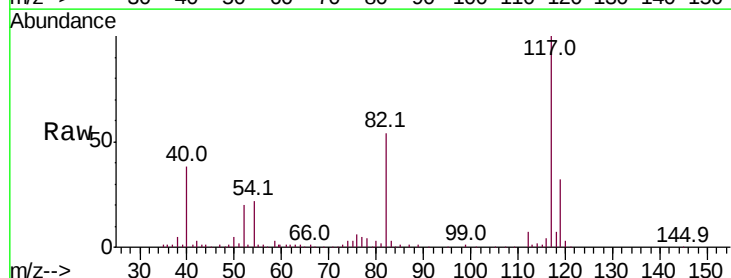
Acq: 23 Mar 2019 4:10

Tgt Ion:112 Resp: 10840

Ion Ratio Lower Upper

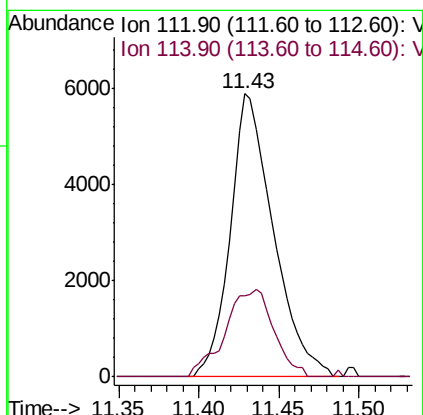
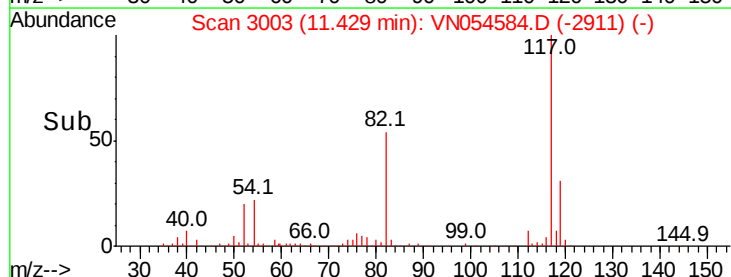
112 100

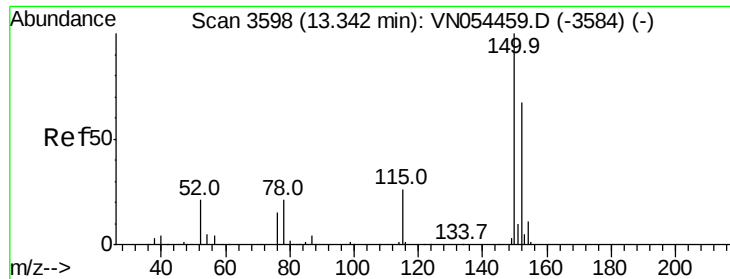
114 28.6 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

Instrument :

MSVOA_N

ClientSampleId :

WP022SB435-190318-(20-22)

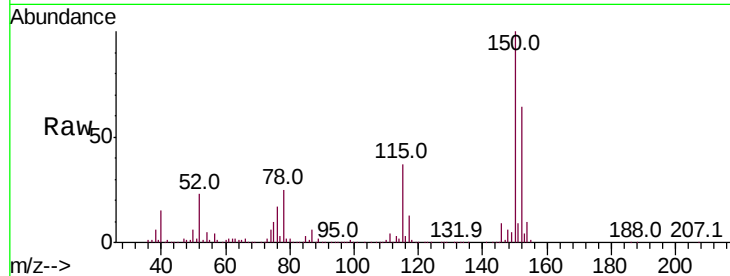
Tot Ion:152 Resp: 317770

Ion Ratio Lower Upper

152 100

115 58.7 27.2 81.6

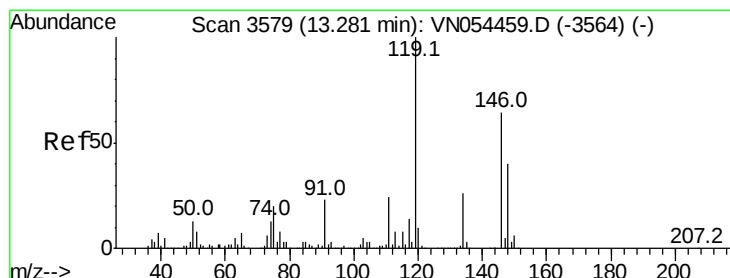
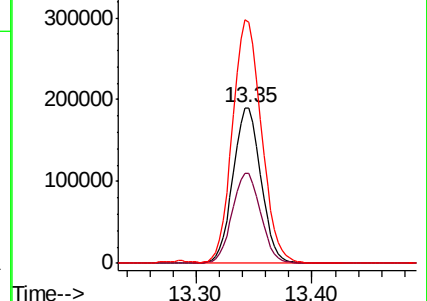
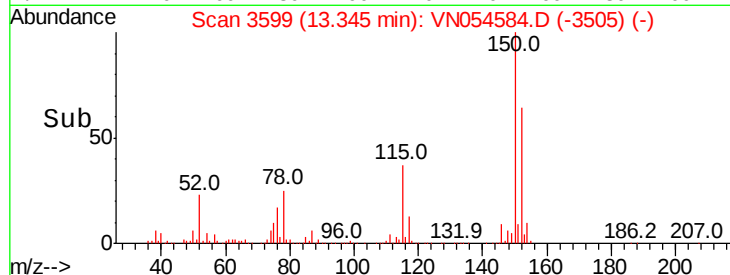
150 161.7 0.0 349.2



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



#87

1,3-Dichlorobenzene

Concen: 4.717 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN054584.D

Acq: 23 Mar 2019 4:10

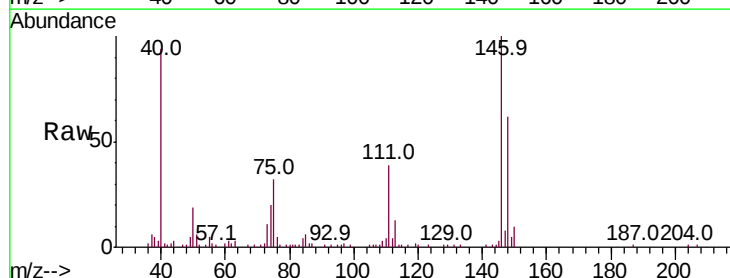
Tgt Ion:146 Resp: 49644

Ion Ratio Lower Upper

146 100

111 40.3 18.8 56.3

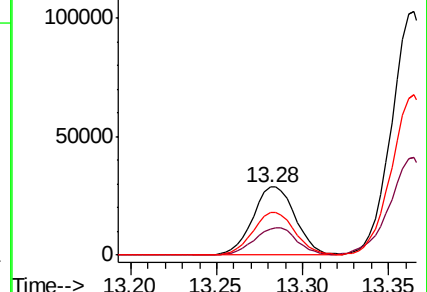
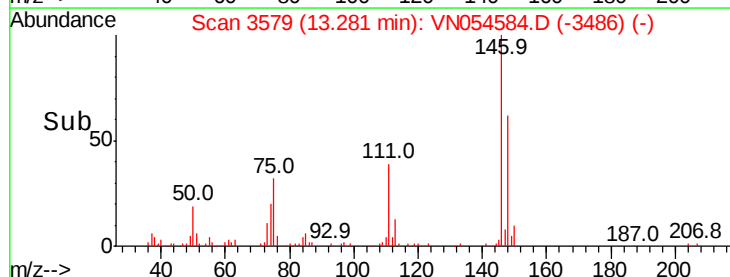
148 62.1 32.2 96.6

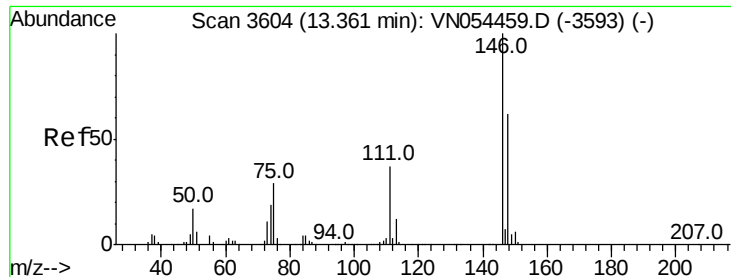


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

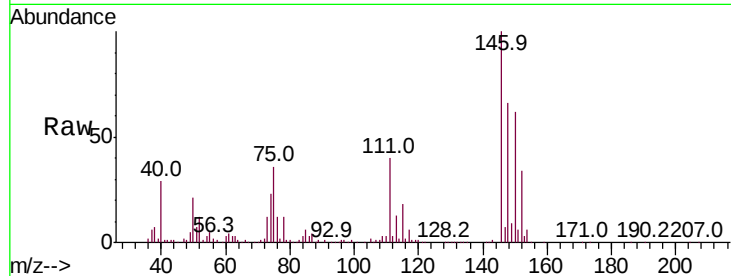




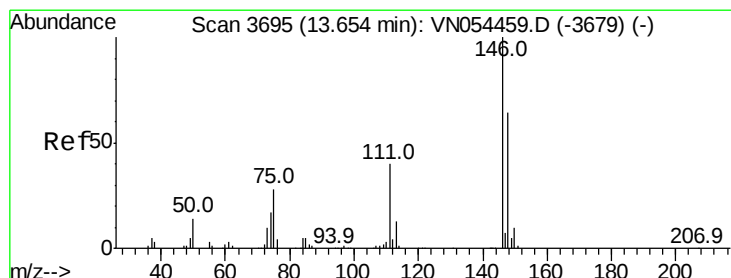
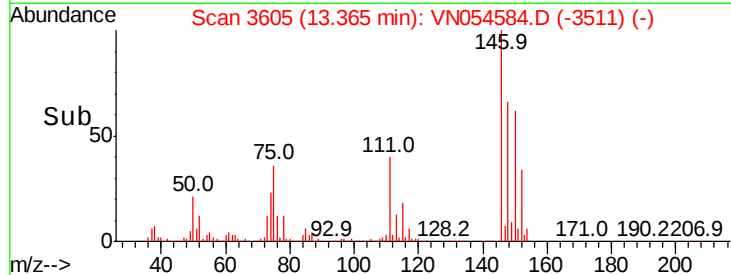
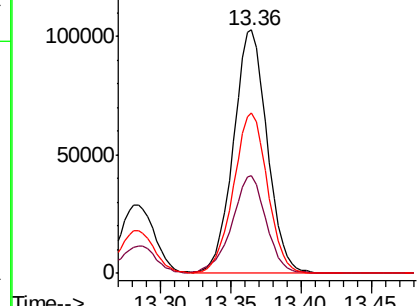
#88
 1,4-Dichlorobenzene
 Concen: 16.797 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN054584.D
 Acq: 23 Mar 2019 4:10

Instrument :
 MSVOA_N
 ClientSampleId :
 WP022SB435-190318-(20-22)

Tot Ion:146 Resp: 171998
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.1 54.1
 148 66.6 32.0 96.0

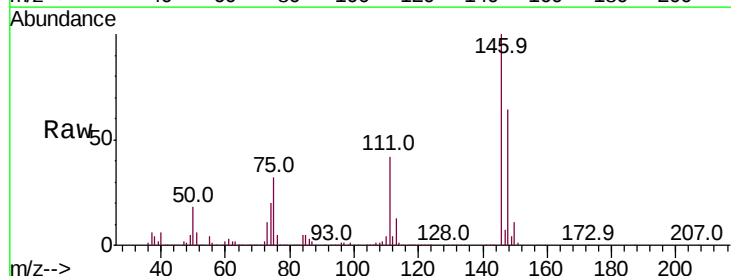


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#91
 1,2-Dichlorobenzene
 Concen: 80.240 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN054584.D
 Acq: 23 Mar 2019 4:10

Tgt Ion:146 Resp: 817938
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.1 57.3
 148 64.3 32.4 97.0



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

