

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121219\
 Data File : VX013985.D
 Acq On : 12 Dec 2019 19:05
 Operator : JC/SP
 Sample : K6252-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20191209

Quant Time: Dec 13 04:28:32 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	566953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	868227	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	783541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	337600	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	321634	48.87	ug/l	0.00
Spiked Amount			Recovery	=	97.74%	
35) Dibromofluoromethane	5.48	113	258798	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	8.71	98	1028412	49.18	ug/l	0.00
Spiked Amount			Recovery	=	98.36%	
62) 4-Bromofluorobenzene	11.14	95	348996	46.28	ug/l	0.00
Spiked Amount			Recovery	=	92.56%	

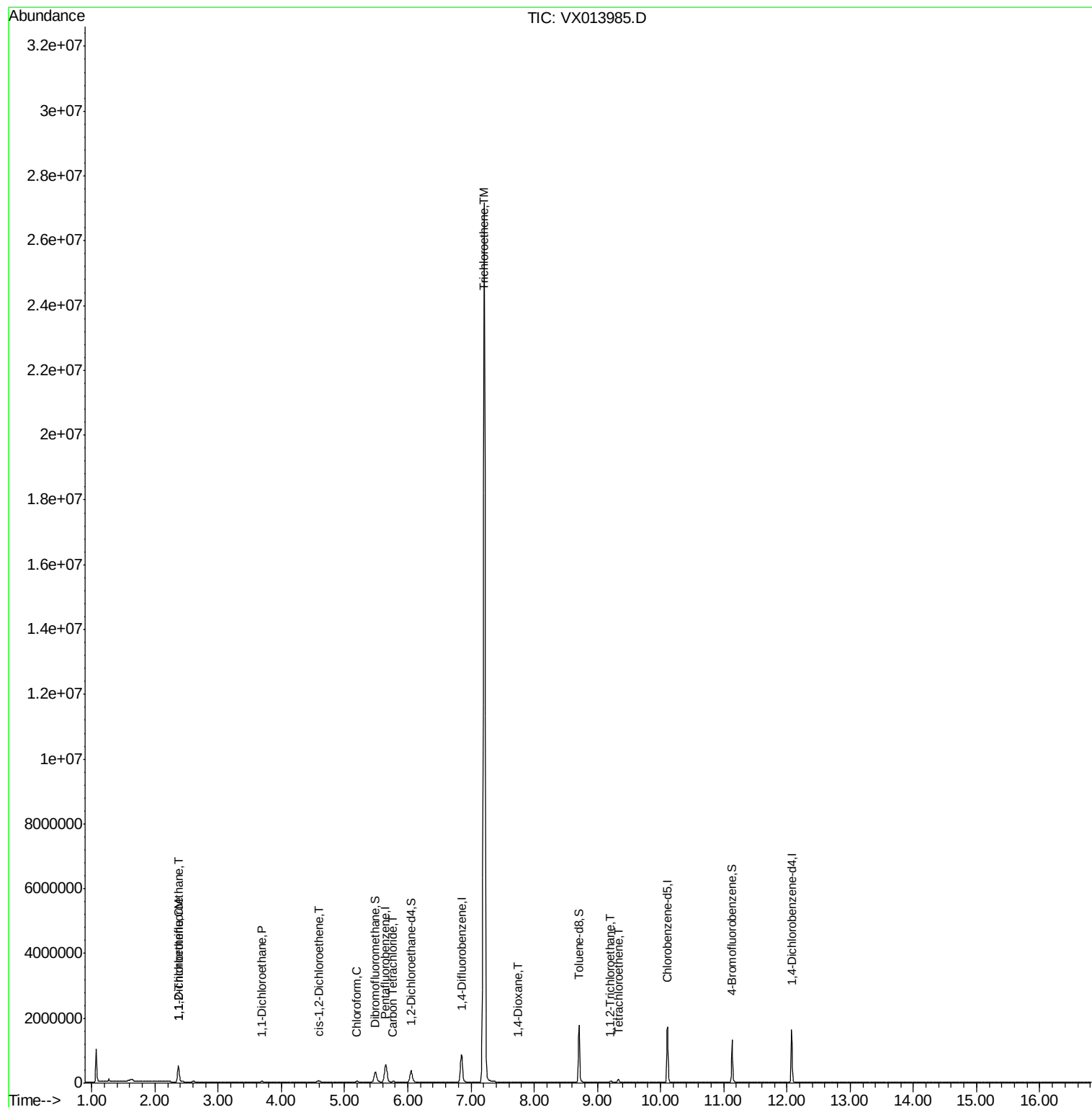
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	164555	30.443	ug/l	99
12) 1,1-Dichloroethene	2.36	96	57390	10.637	ug/l	100
24) 1,1-Dichloroethane	3.69	63	20993	2.037	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	27074	4.011	ug/l	88
30) Chloroform	5.20	83	13641	1.305	ug/l	96
38) Carbon Tetrachloride	5.77	117	11254	1.549	ug/l	85
44) Trichloroethene	7.21	130	10491709	1592.598	ug/l	100
49) 1,4-Dioxane	7.75	88	3781	23.884	ug/l	93
55) 1,1,2-Trichloroethane	9.21	97	8153	1.357	ug/l #	85
64) Tetrachloroethene	9.33	164	18849	3.226	ug/l	97

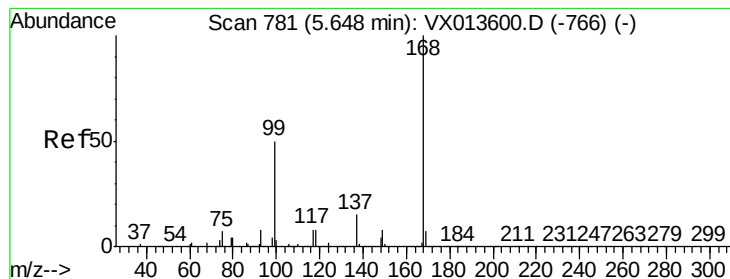
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

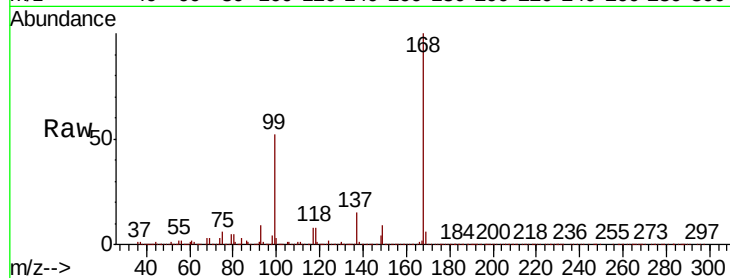
RE132D6-20191209

Tot Ion:168 Resp: 566953

Ion Ratio Lower Upper

168 100

99 51.7 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

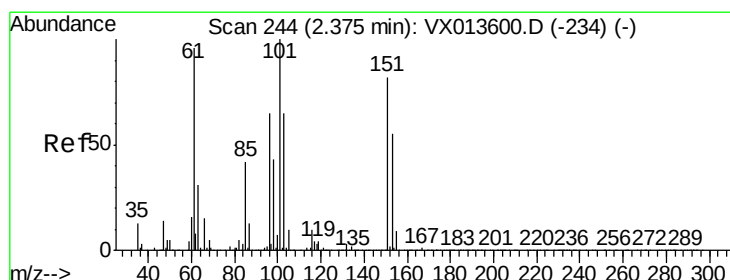
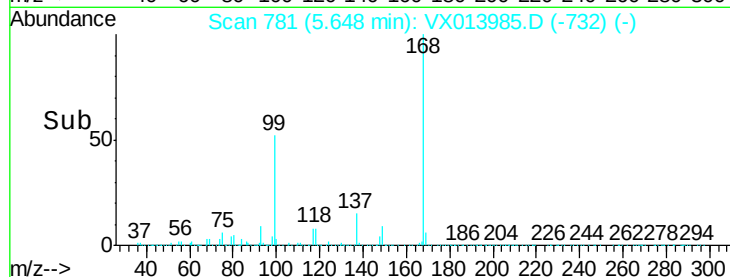
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 30.443 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

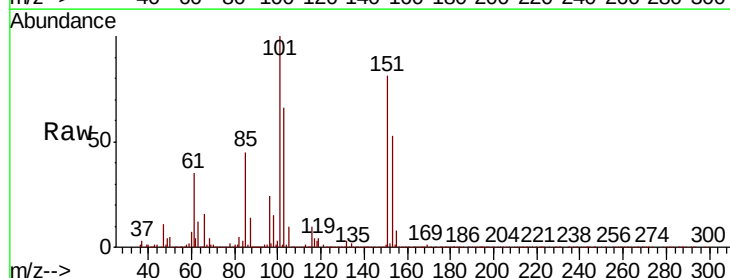
Tgt Ion:101 Resp: 164555

Ion Ratio Lower Upper

101 100

85 42.0 33.9 50.9

151 79.2 64.2 96.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.37

100000

80000

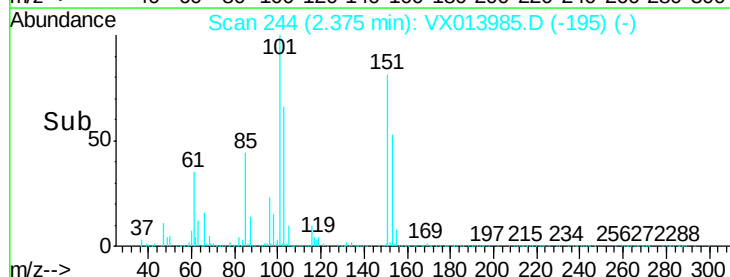
60000

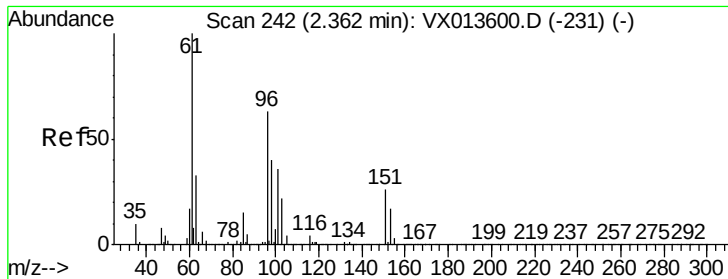
40000

20000

0

Time-->





#12

1,1-Dichloroethene

Concen: 10.637 ug/l

RT: 2.36 min Scan# 242

Delta R.T. -0.00 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20191209

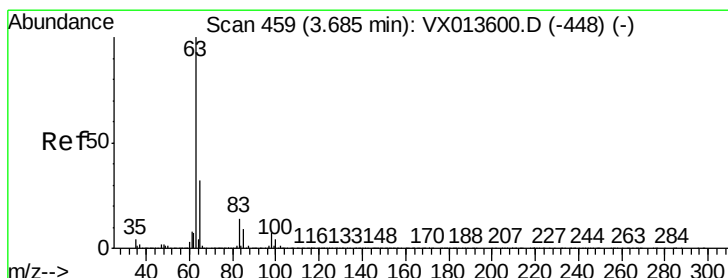
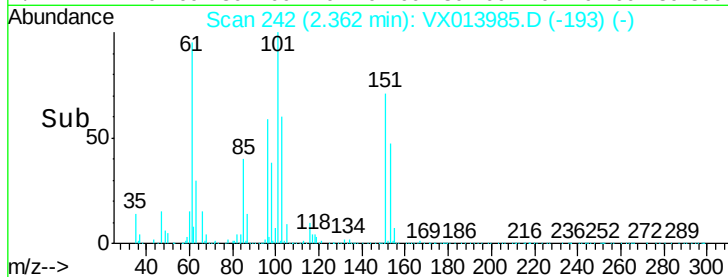
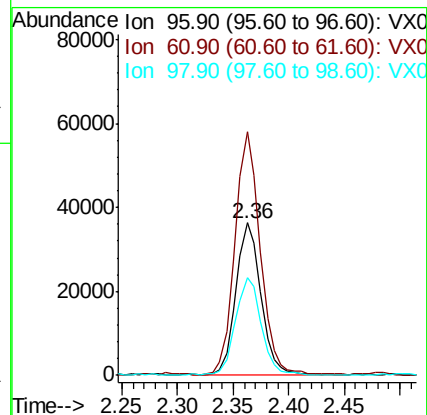
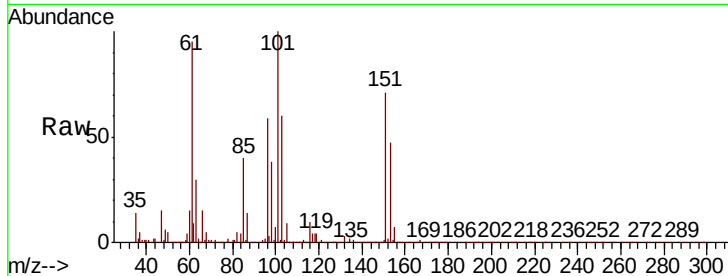
Tot Ion: 96 Resp: 57390

Ion Ratio Lower Upper

96 100

61 158.6 126.6 190.0

98 63.3 50.6 76.0



#24

1,1-Dichloroethane

Concen: 2.037 ug/l

RT: 3.69 min Scan# 459

Delta R.T. -0.00 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

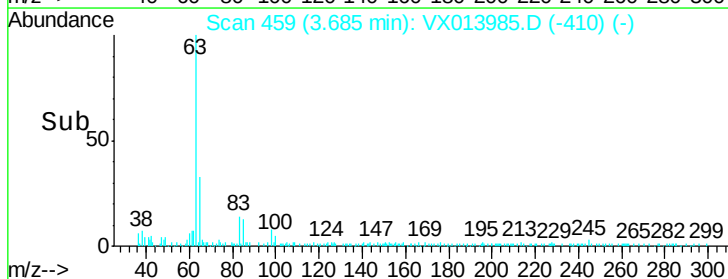
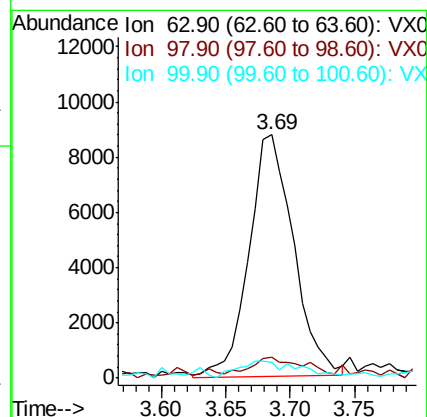
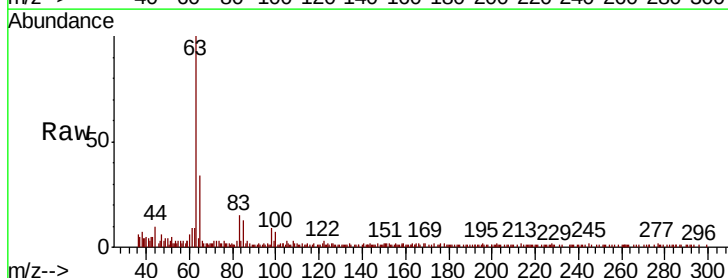
Tgt Ion: 63 Resp: 20993

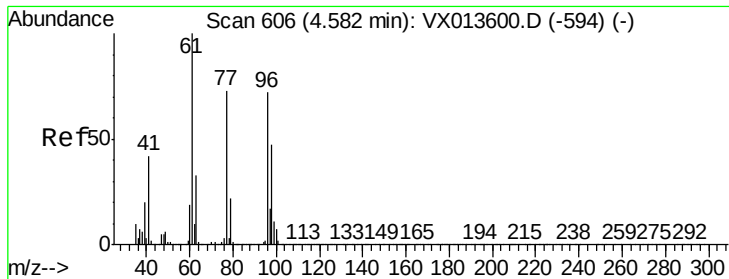
Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 5.5 2.1 6.3



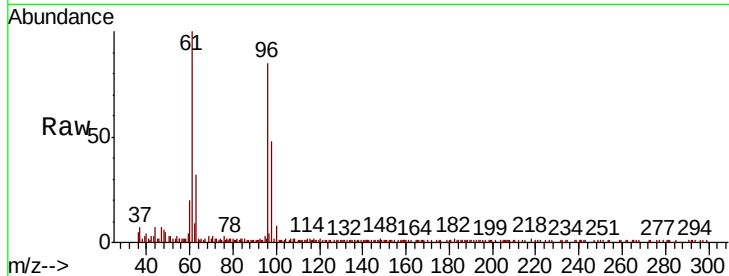


#27

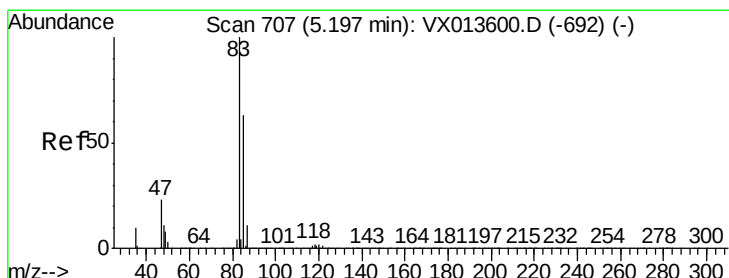
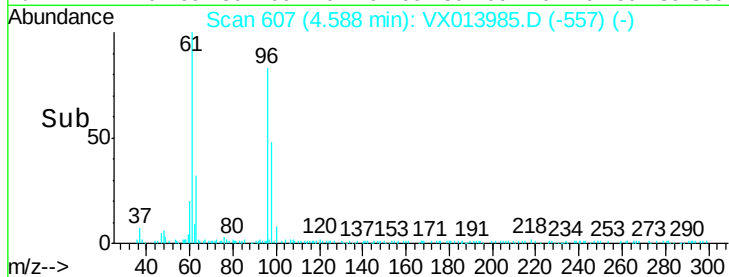
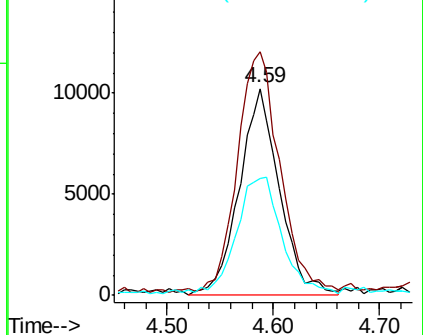
cis-1,2-Dichloroethene
Concen: 4.011 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013985.D
Acq: 12 Dec 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20191209

Tot Ion: 96 Resp: 27074
Ion Ratio Lower Upper
96 100
61 123.3 0.0 286.4
98 62.2 0.0 127.4



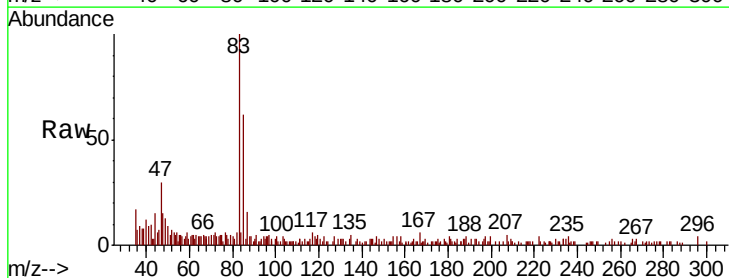
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



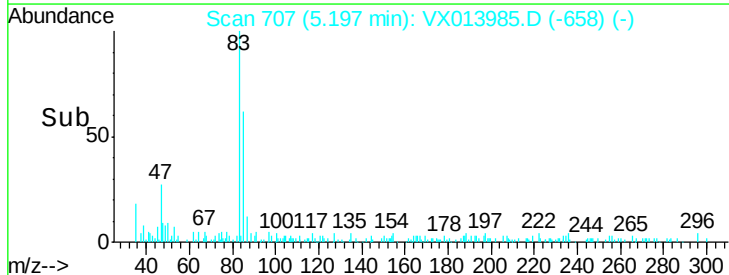
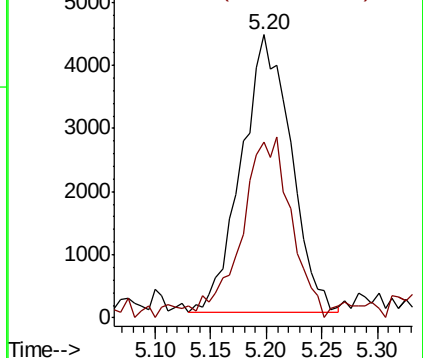
#30

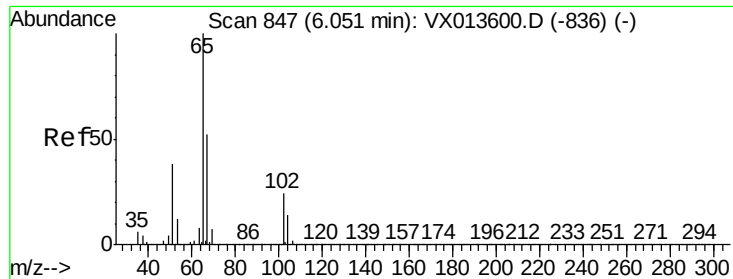
Chloroform
Concen: 1.305 ug/l
RT: 5.20 min Scan# 707
Delta R.T. -0.00 min
Lab File: VX013985.D
Acq: 12 Dec 2019 19:05

Tgt Ion: 83 Resp: 13641
Ion Ratio Lower Upper
83 100
85 59.4 50.2 75.4



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0

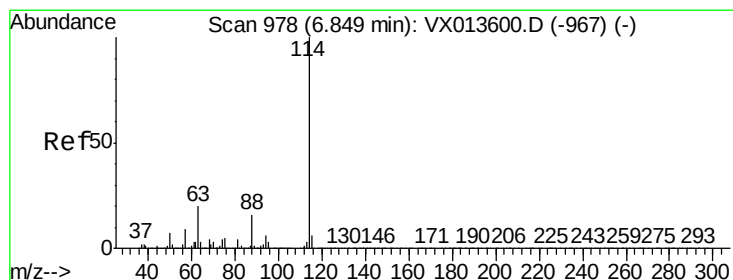
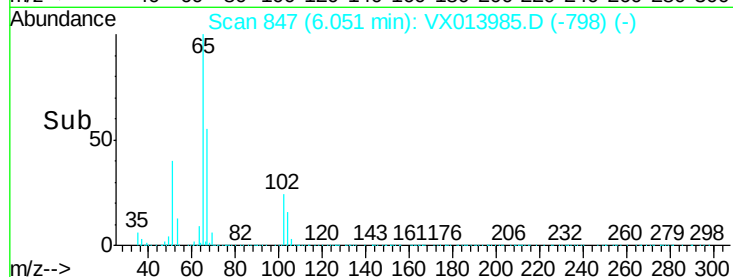
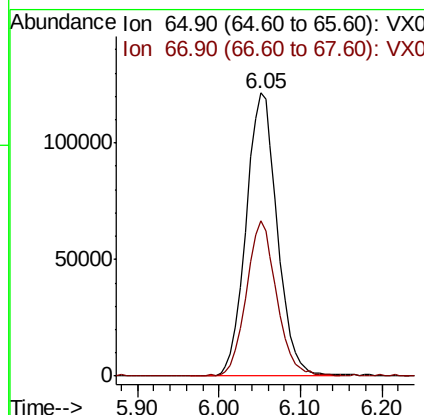
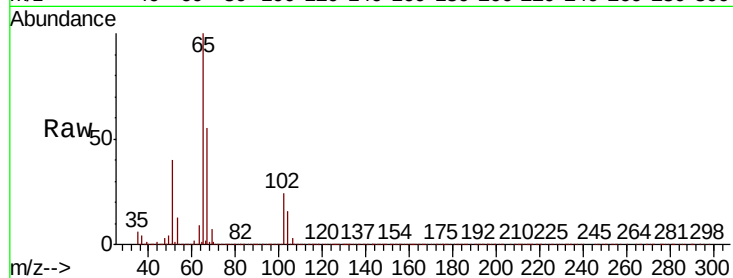




#33
 1,2-Dichloroethane-d4
 Concen: 48.873 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013985.D
 Acq: 12 Dec 2019 19:05

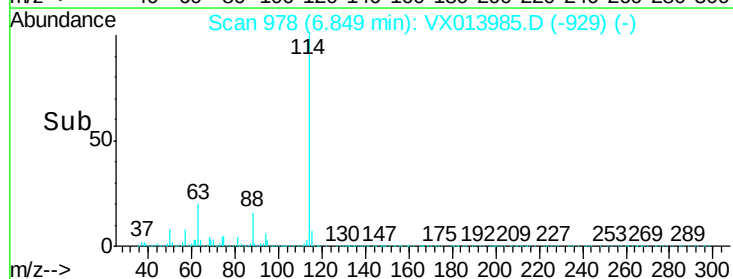
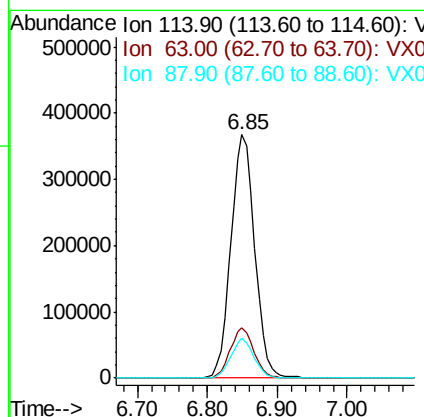
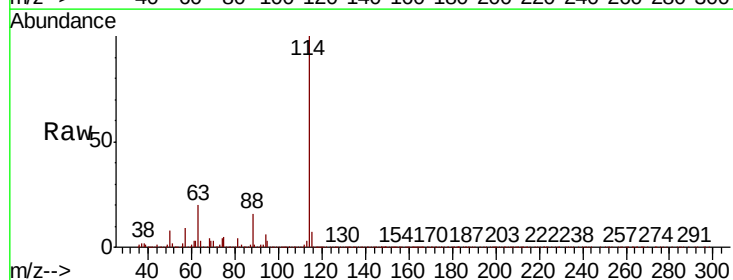
Instrument :
 MSVOA_X
 ClientSampleId :
 RE132D6-20191209

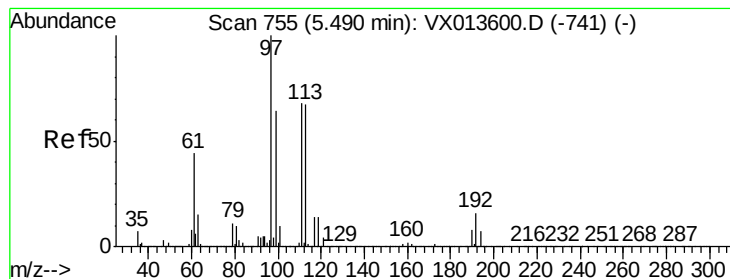
Tot Ion: 65 Resp: 321634
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013985.D
 Acq: 12 Dec 2019 19:05

Tgt Ion: 114 Resp: 868227
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.6
 88 16.3 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.216 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20191209

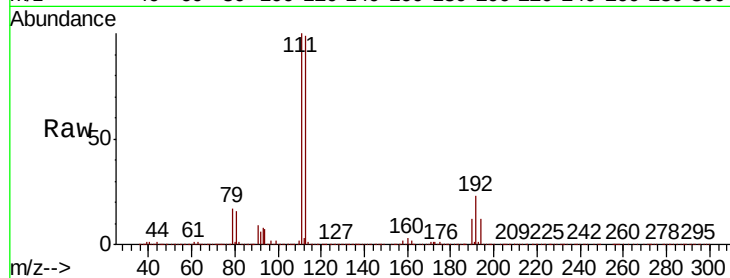
Tot Ion:113 Resp: 258798

Ion Ratio Lower Upper

113 100

111 102.8 83.6 125.4

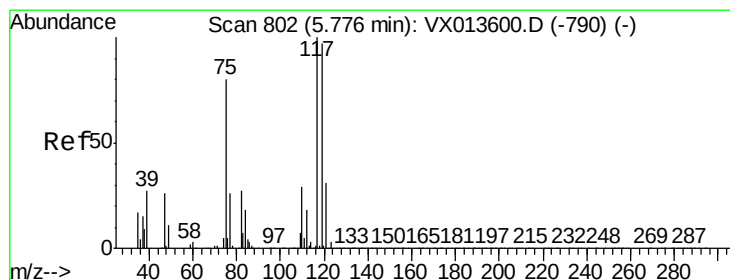
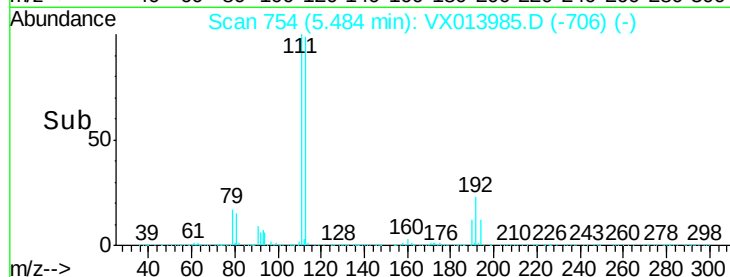
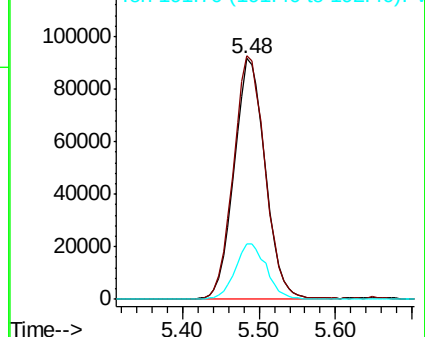
192 23.4 19.2 28.8



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



#38

Carbon Tetrachloride

Concen: 1.549 ug/l

RT: 5.77 min Scan# 801

Delta R.T. -0.01 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

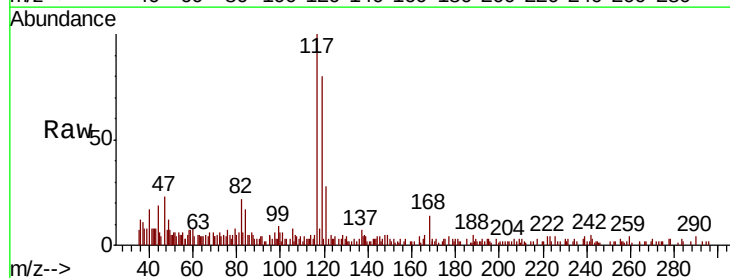
Tgt Ion:117 Resp: 11254

Ion Ratio Lower Upper

117 100

119 79.0 77.5 116.3

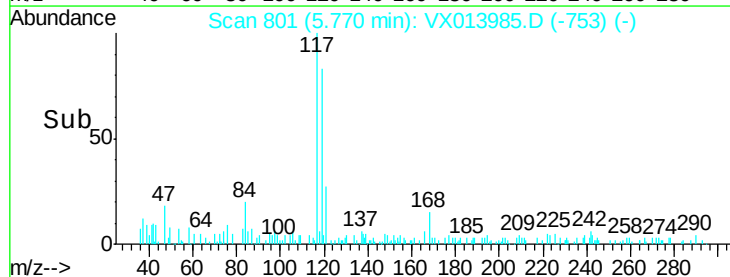
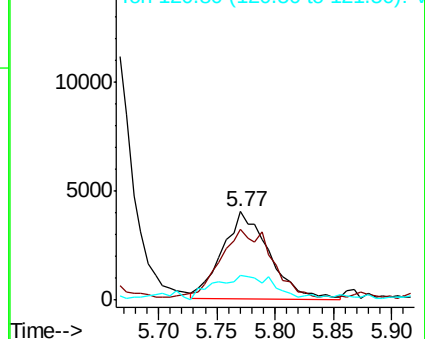
121 29.5 25.0 37.6

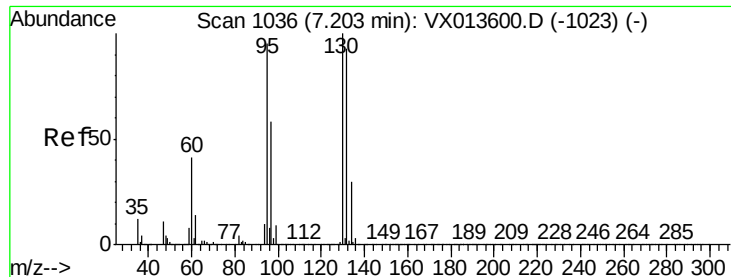


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 1592.598 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

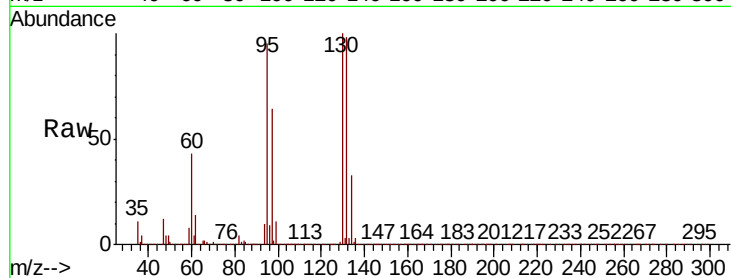
RE132D6-20191209

Tot Ion:130 Resp:10491709

Ion Ratio Lower Upper

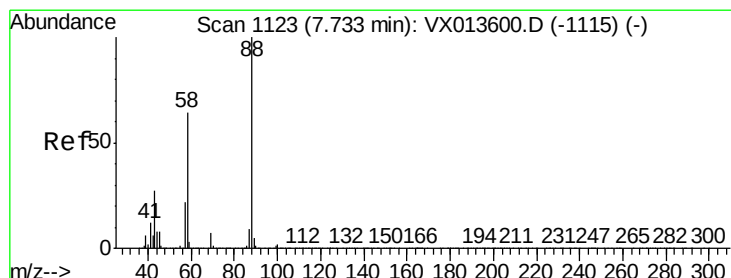
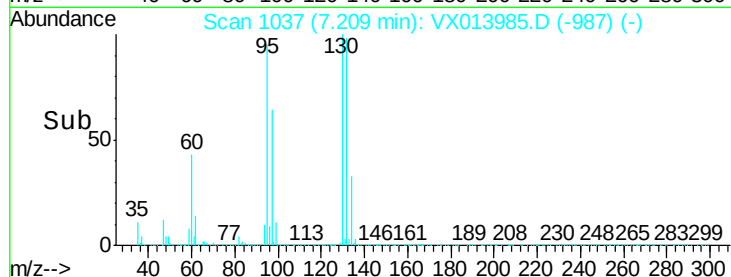
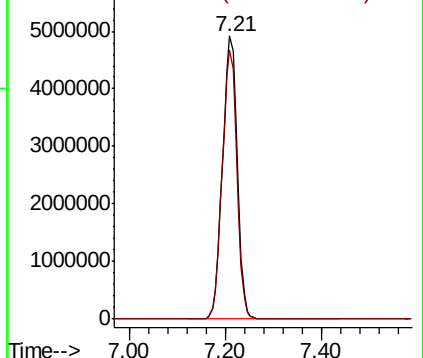
130 100

95 95.1 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#49

1,4-Dioxane

Concen: 23.884 ug/l

RT: 7.75 min Scan# 1126

Delta R.T. 0.02 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

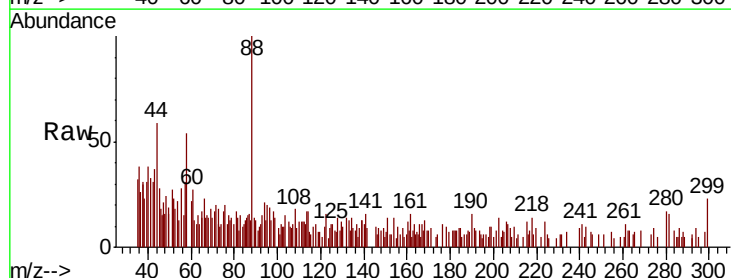
Tgt Ion: 88 Resp: 3781

Ion Ratio Lower Upper

88 100

43 36.4 25.8 38.6

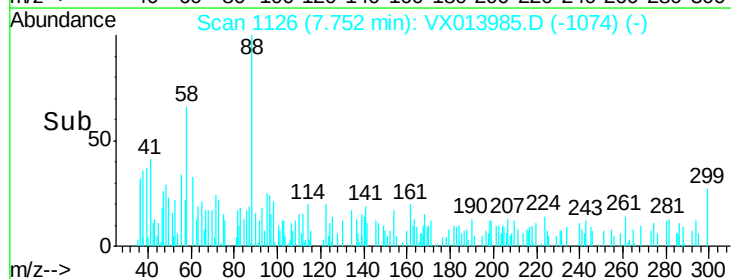
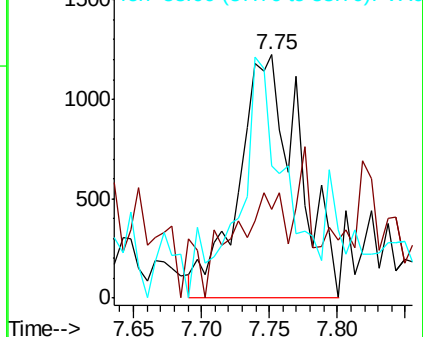
58 73.5 54.6 82.0

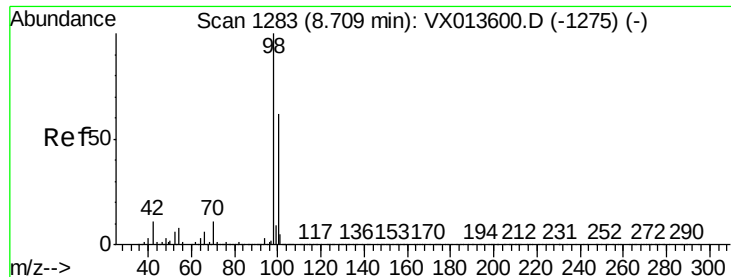


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.177 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

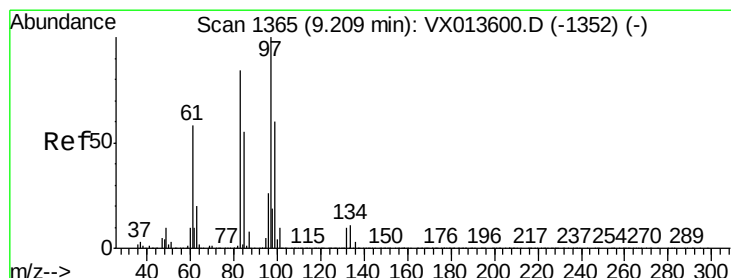
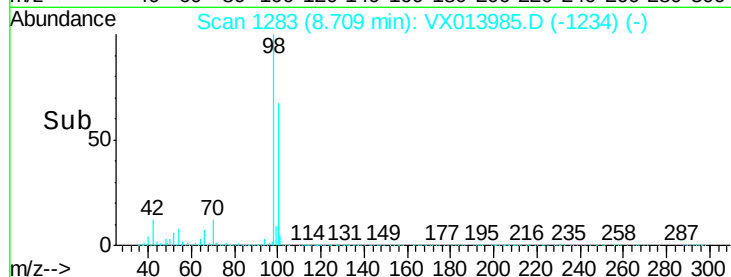
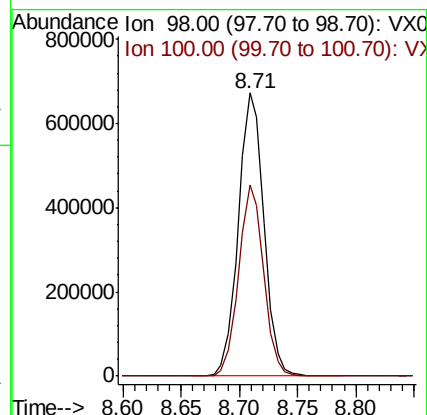
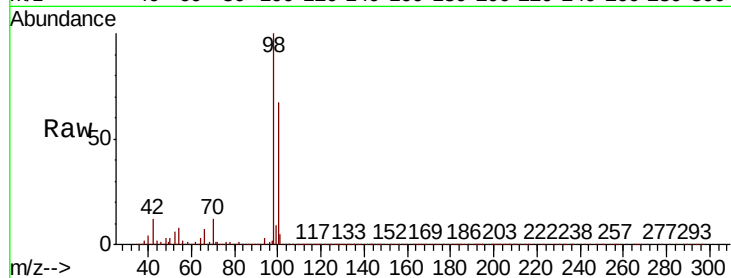
RE132D6-20191209

Tot Ion: 98 Resp: 1028412

Ion Ratio Lower Upper

98 100

100 65.9 53.1 79.7



#55

1,1,2-Trichloroethane

Concen: 1.357 ug/l

RT: 9.21 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

Tgt Ion: 97 Resp: 8153

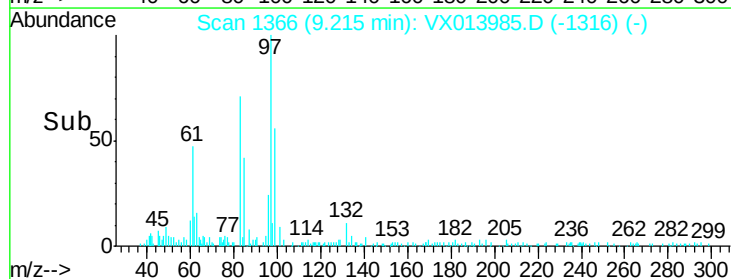
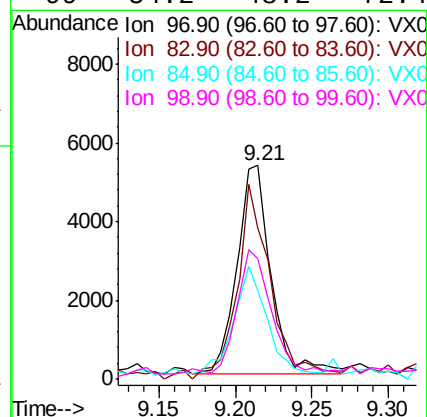
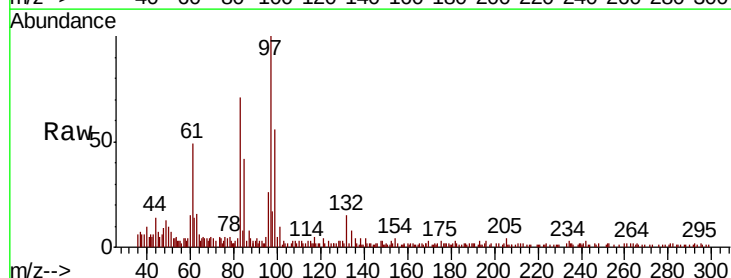
Ion Ratio Lower Upper

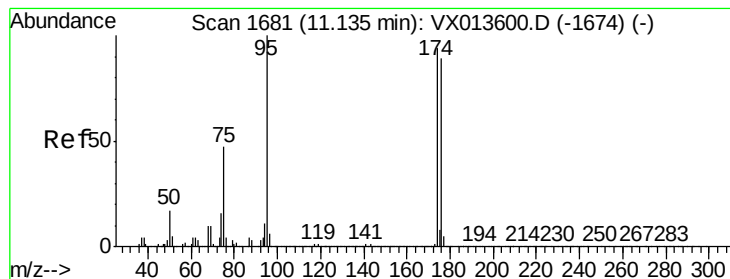
97 100

83 69.5 67.3 100.9

85 40.1 43.6 65.4#

99 54.2 48.2 72.4





#62

4-Bromofluorobenzene

Concen: 46.280 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

Instrument :

MSVOA_X

ClientSampleId :

RE132D6-20191209

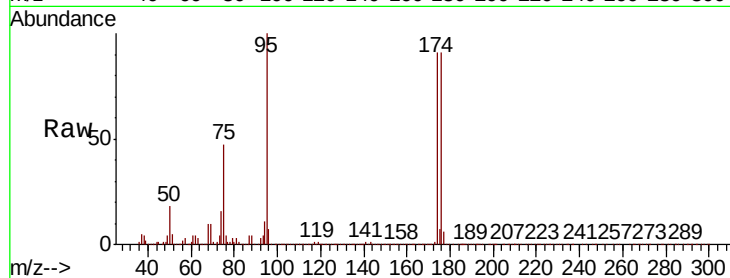
Tot Ion: 95 Resp: 348996

Ion Ratio Lower Upper

95 100

174 87.7 0.0 180.0

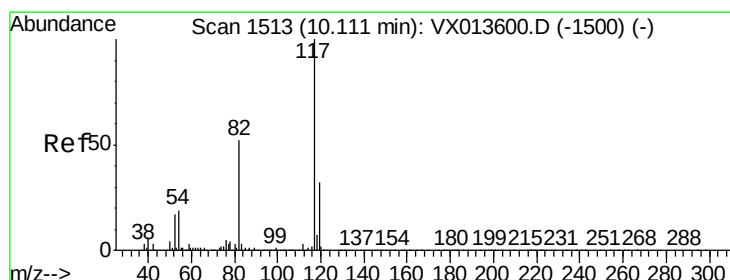
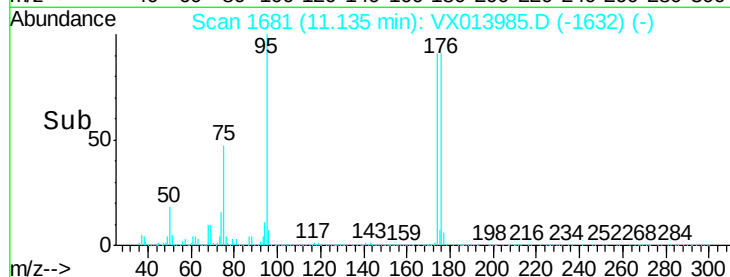
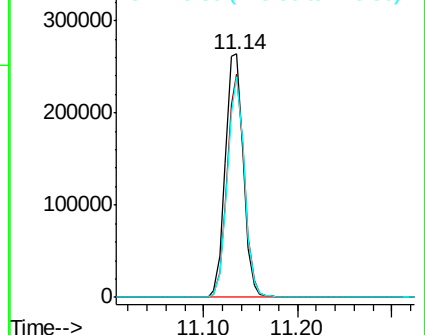
176 85.9 0.0 173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): VX0

Ion 175.80 (175.50 to 176.50): VX0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX013985.D

Acq: 12 Dec 2019 19:05

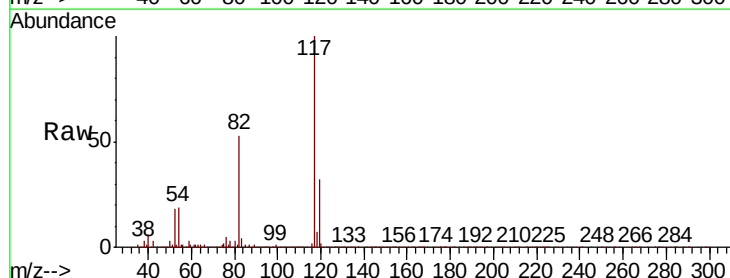
Tgt Ion: 117 Resp: 783541

Ion Ratio Lower Upper

117 100

82 52.8 41.8 62.8

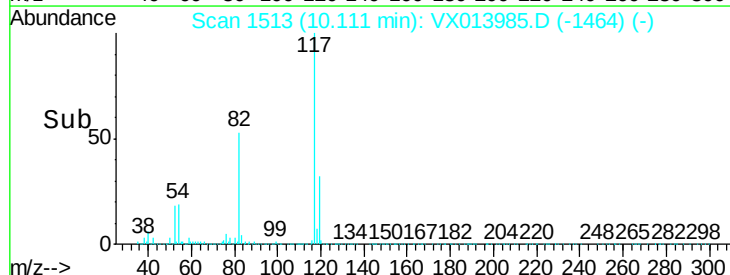
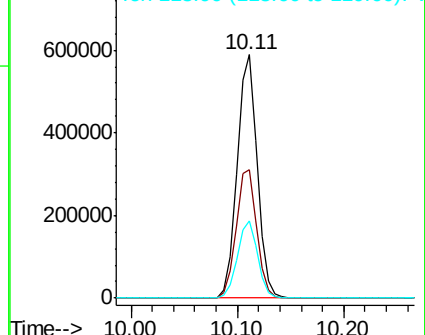
119 31.9 25.8 38.8

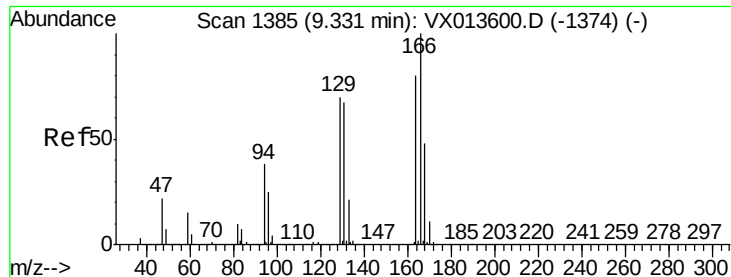


Abundance Ion 116.90 (116.60 to 117.60): VX0

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): VX0

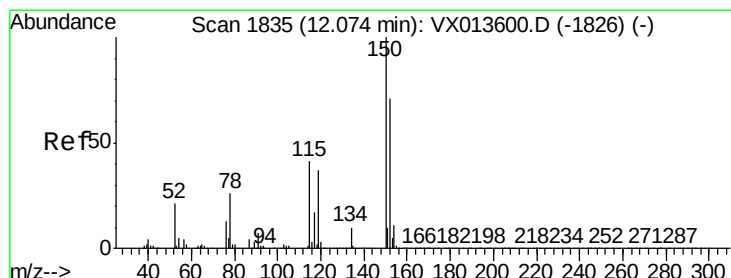
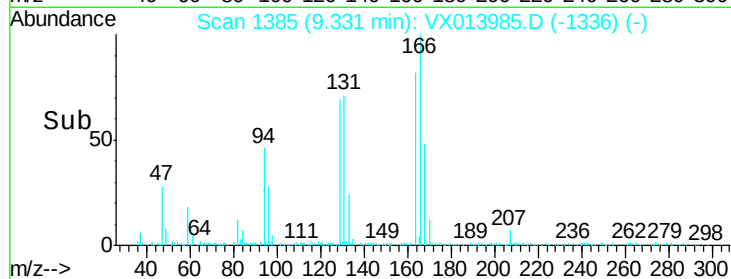
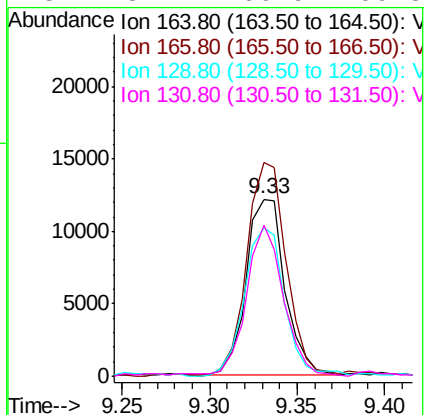
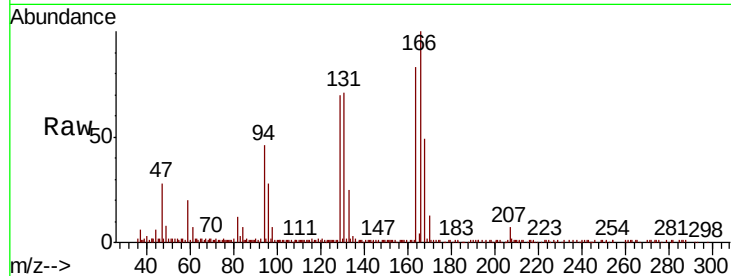




#64
Tetrachloroethene
Concen: 3.226 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013985.D
Acq: 12 Dec 2019 19:05

Instrument :
MSVOA_X
ClientSampleId :
RE132D6-20191209

Tot Ion	Ratio	Lower	Upper
164	100		
166	120.7	99.7	149.5
129	84.3	70.1	105.1
131	84.7	66.9	100.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013985.D
Acq: 12 Dec 2019 19:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	38.4	115.1
150	155.9	0.0	346.8

