

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120619\
 Data File : VX013804.D
 Acq On : 06 Dec 2019 17:02
 Operator : JC/SP
 Sample : K6184-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE126D2-20191203

Quant Time: Dec 07 04:25:57 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

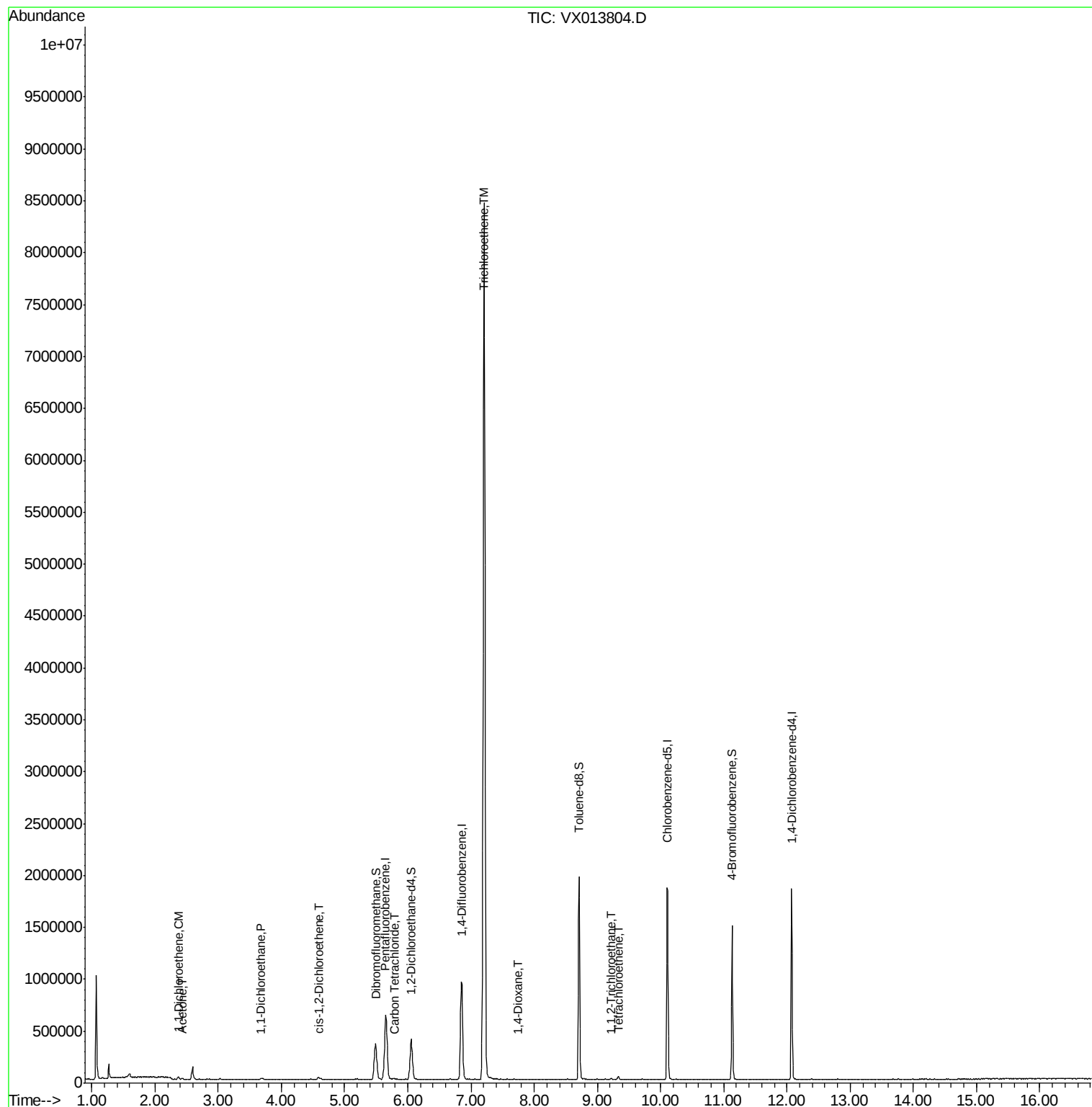
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	654068	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1000330	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	871658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	383146	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	353807	46.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.20%	
35) Dibromofluoromethane	5.49	113	295405	47.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.54%	
50) Toluene-d8	8.71	98	1165705	48.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.76%	
62) 4-Bromofluorobenzene	11.14	95	386085	44.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.88%	
Target Compounds						
					Qvalue	
12) 1,1-Dichloroethene	2.37	96	6089	0.978	ug/l #	95
16) Acetone	2.43	43	11769	3.140	ug/l	95
24) 1,1-Dichloroethane	3.69	63	12154	1.022	ug/l	96
27) cis-1,2-Dichloroethene	4.59	96	9787	1.257	ug/l	92
38) Carbon Tetrachloride	5.78	117	4703	0.562	ug/l #	82
44) Trichloroethene	7.21	130	3309717	436.054	ug/l	97
49) 1,4-Dioxane	7.75	88	2246	12.314	ug/l #	88
55) 1,1,2-Trichloroethane	9.21	97	2404	0.347	ug/l #	72
64) Tetrachloroethene	9.33	164	6592	1.014	ug/l	95

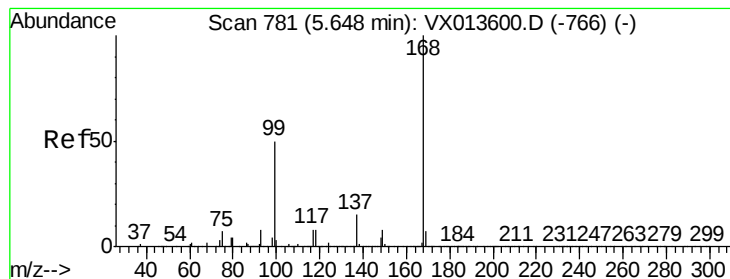
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 782

Delta R.T. 0.01 min

Lab File: VX013804.D

Acq: 06 Dec 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

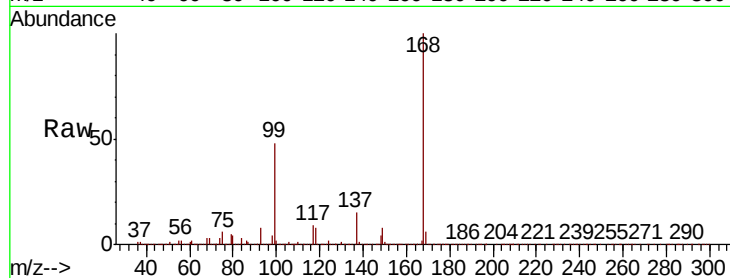
RE126D2-20191203

Tot Ion:168 Resp: 654068

Ion Ratio Lower Upper

168 100

99 47.6 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

250000

200000

150000

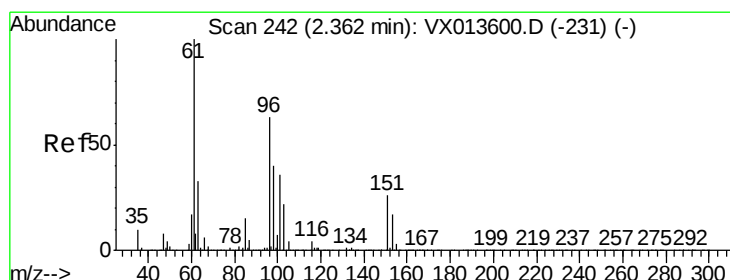
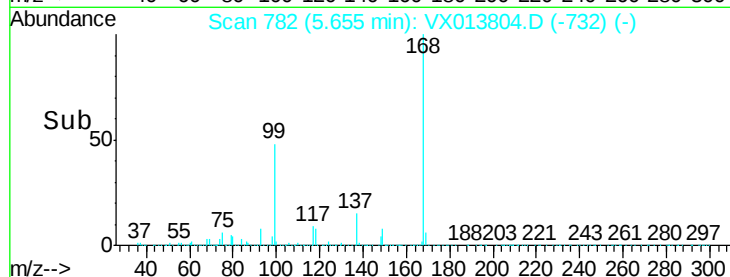
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#12

1,1-Dichloroethene

Concen: 0.978 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013804.D

Acq: 06 Dec 2019 17:02

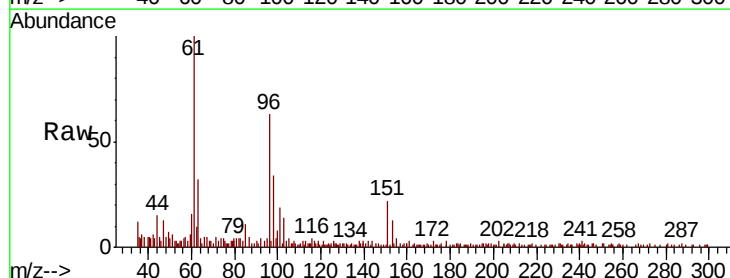
Tgt Ion: 96 Resp: 6089

Ion Ratio Lower Upper

96 100

61 159.2 126.6 190.0

98 50.5 50.6 76.0#



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

8000

6000

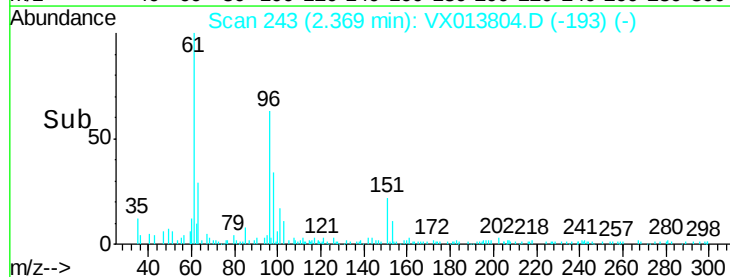
4000

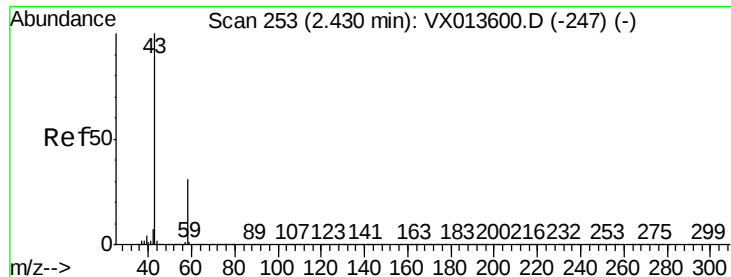
2000

0

Time-->

2.30 2.35 2.40





#16

Acetone

Concen: 3.140 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013804.D

Acq: 06 Dec 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

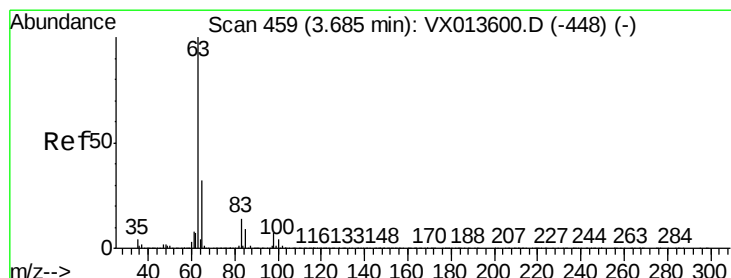
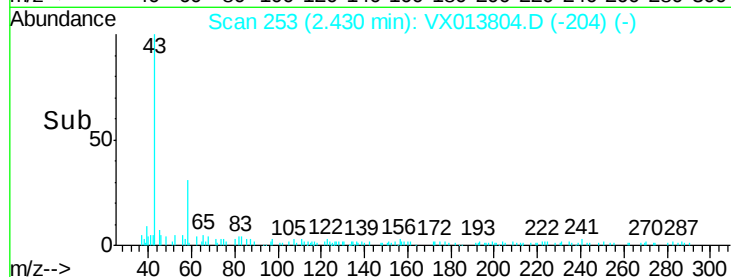
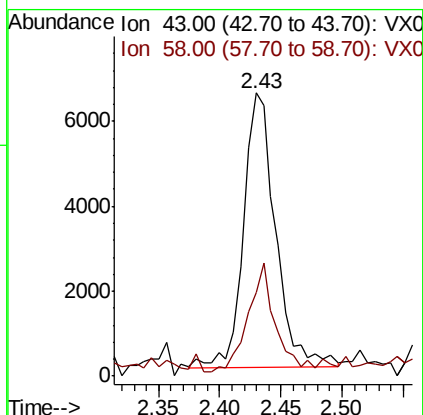
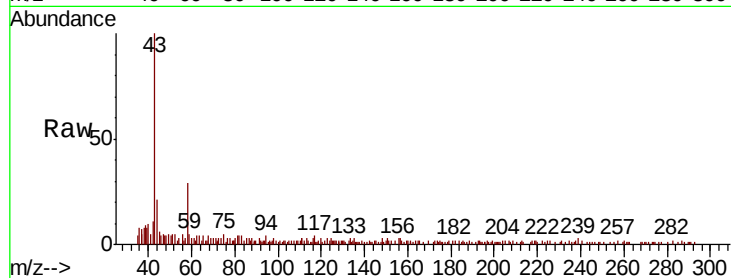
RE126D2-20191203

Tot Ion: 43 Resp: 11769

Ion Ratio Lower Upper

43 100

58 28.1 24.6 36.8



#24

1,1-Dichloroethane

Concen: 1.022 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX013804.D

Acq: 06 Dec 2019 17:02

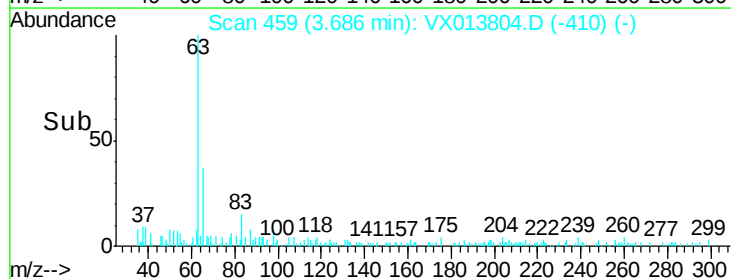
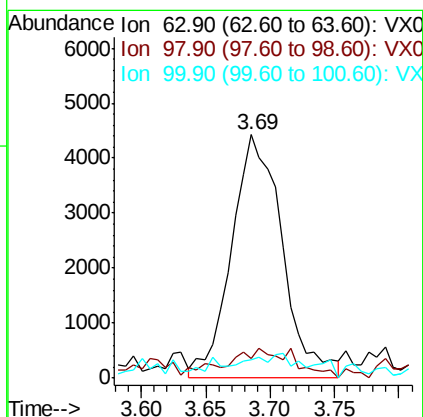
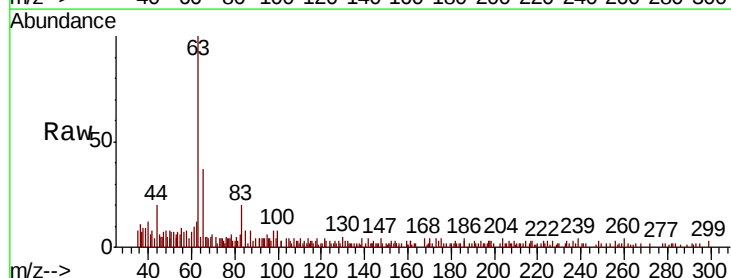
Tgt Ion: 63 Resp: 12154

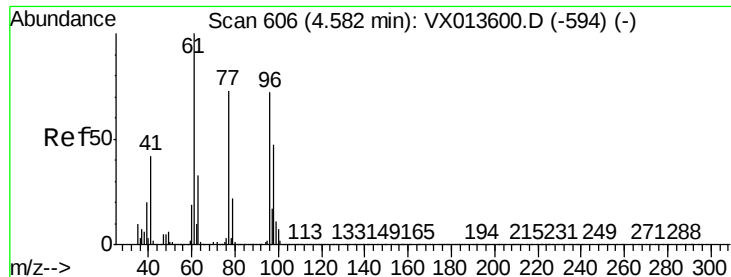
Ion Ratio Lower Upper

63 100

98 8.6 3.5 10.4

100 5.4 2.1 6.3





#27

cis-1,2-Dichloroethene

Concen: 1.257 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX013804.D

Acq: 06 Dec 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20191203

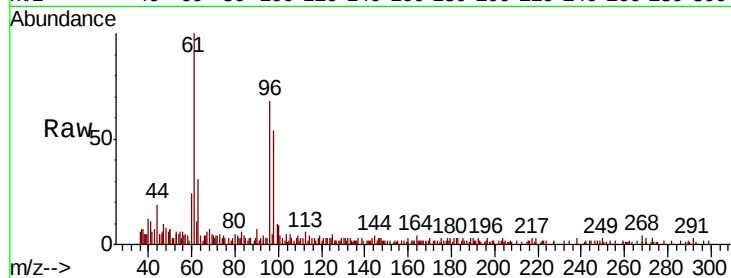
Tot Ion: 96 Resp: 9787

Ion Ratio Lower Upper

96 100

61 130.0 0.0 286.4

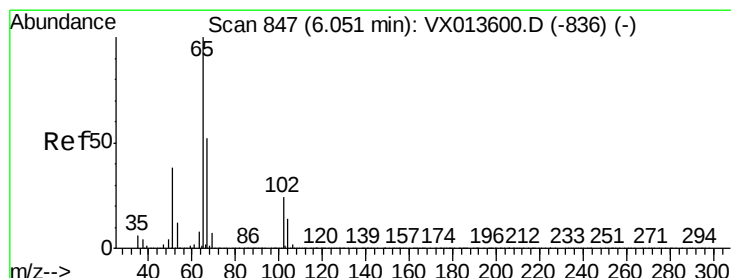
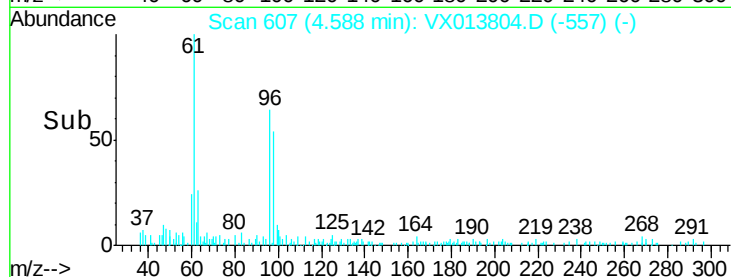
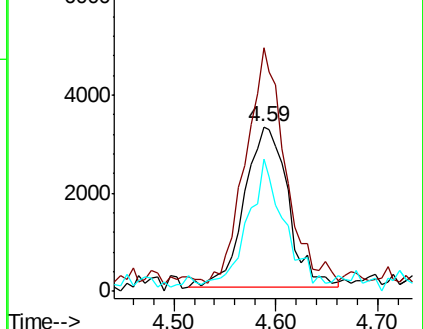
98 62.2 0.0 127.4



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



#33

1,2-Dichloroethane-d4

Concen: 46.601 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX013804.D

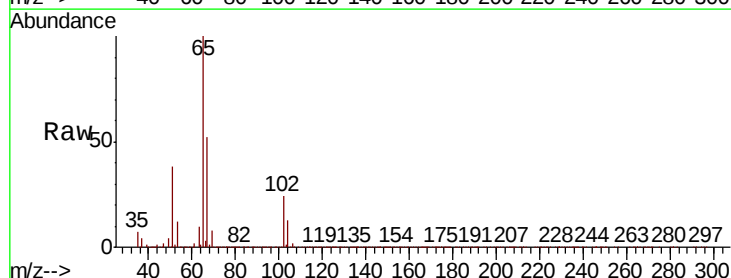
Acq: 06 Dec 2019 17:02

Tgt Ion: 65 Resp: 353807

Ion Ratio Lower Upper

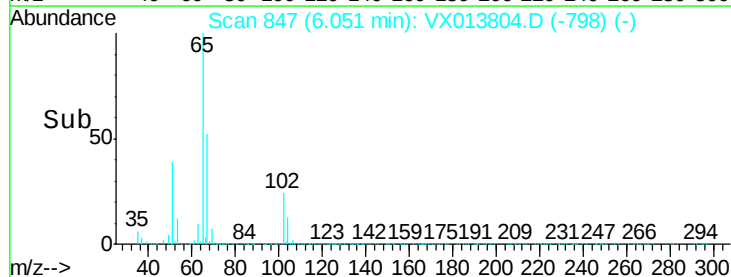
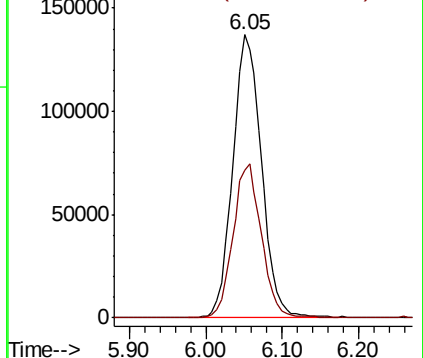
65 100

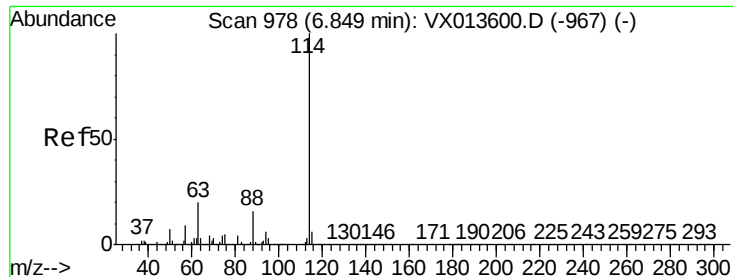
67 53.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013804.D

Acq: 06 Dec 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20191203

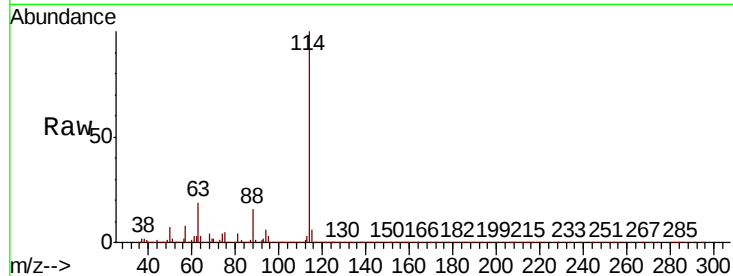
Tot Ion:114 Resp: 1000330

Ion Ratio Lower Upper

114 100

63 18.8 0.0 39.6

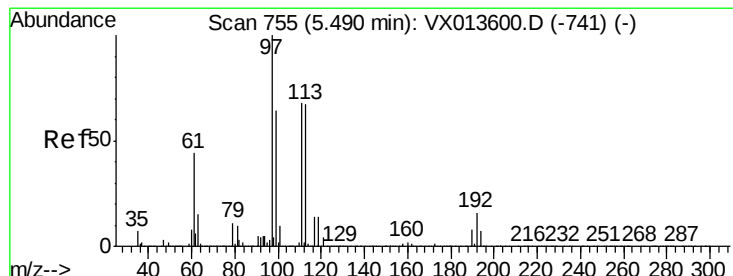
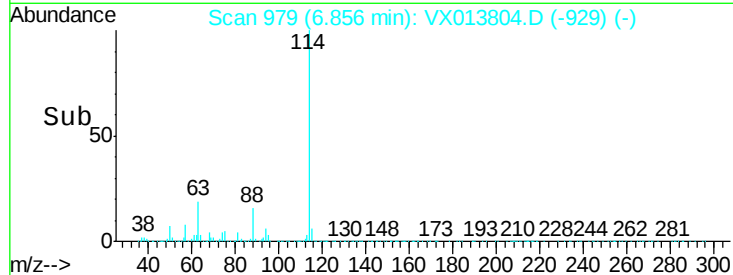
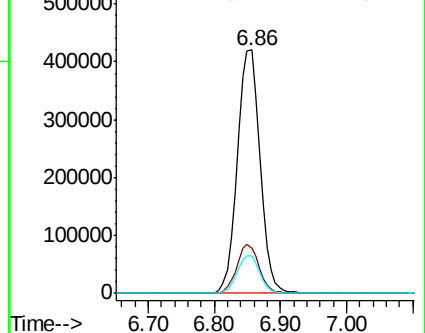
88 15.6 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 47.768 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX013804.D

Acq: 06 Dec 2019 17:02

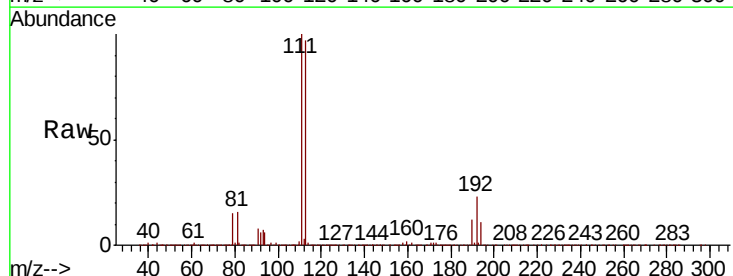
Tgt Ion:113 Resp: 295405

Ion Ratio Lower Upper

113 100

111 103.0 83.6 125.4

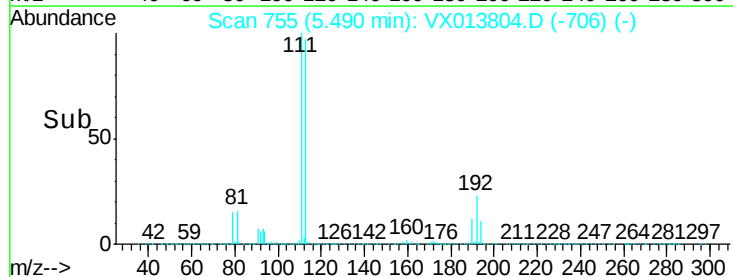
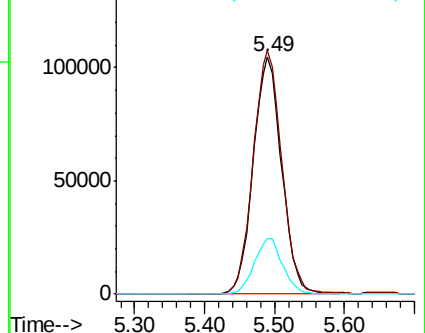
192 23.3 19.2 28.8

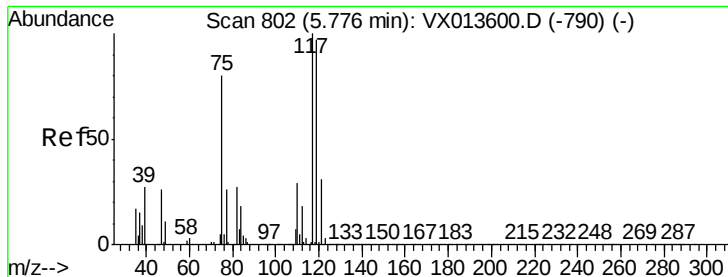


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 0.562 ug/l

RT: 5.78 min Scan# 803

Delta R.T. 0.01 min

Lab File: VX013804.D

Acq: 06 Dec 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20191203

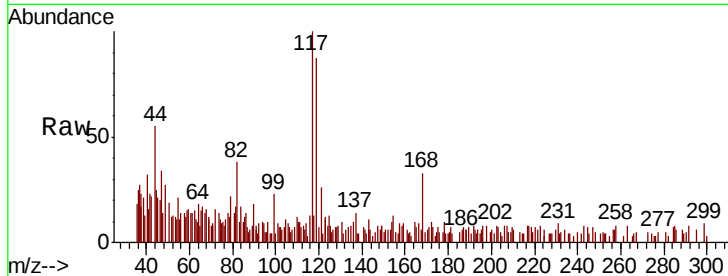
Tot Ion:117 Resp: 4703

Ion Ratio Lower Upper

117 100

119 82.1 77.5 116.3

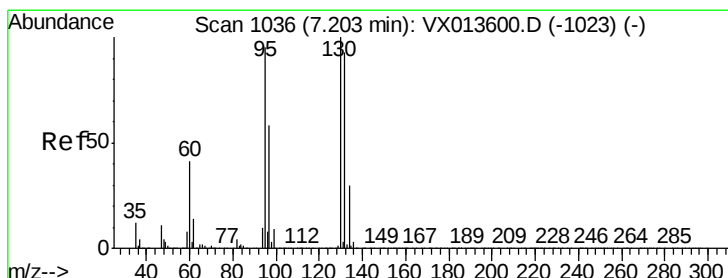
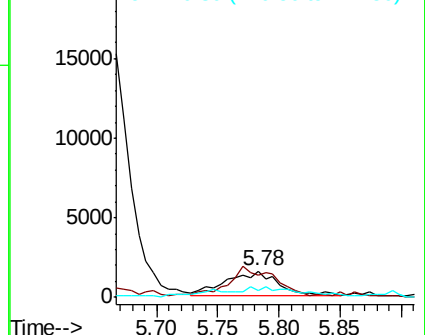
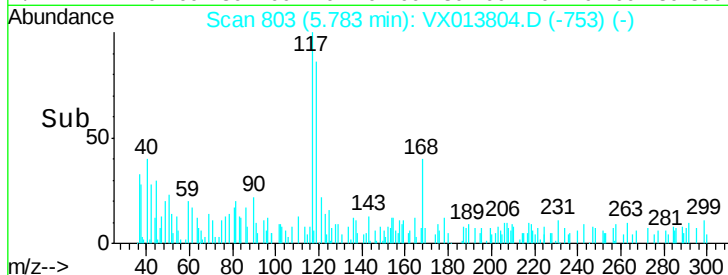
121 15.4 25.0 37.6#



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: 436.054 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX013804.D

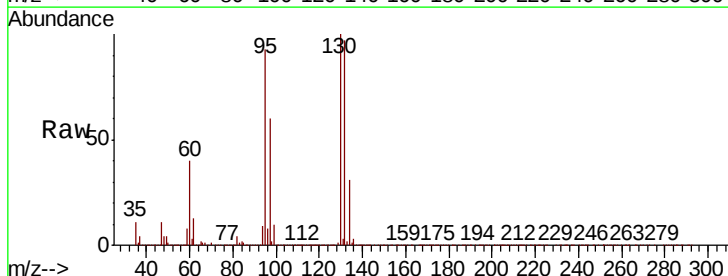
Acq: 06 Dec 2019 17:02

Tgt Ion:130 Resp: 3309717

Ion Ratio Lower Upper

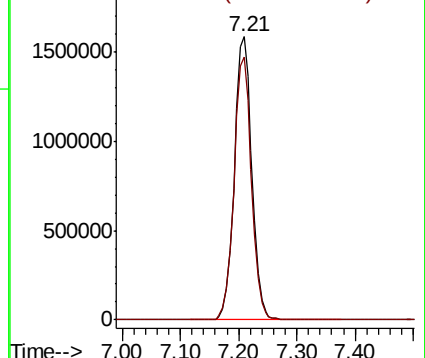
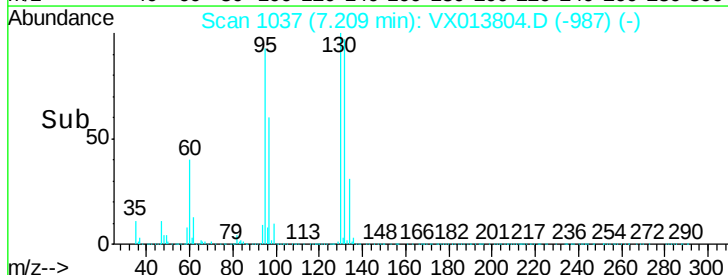
130 100

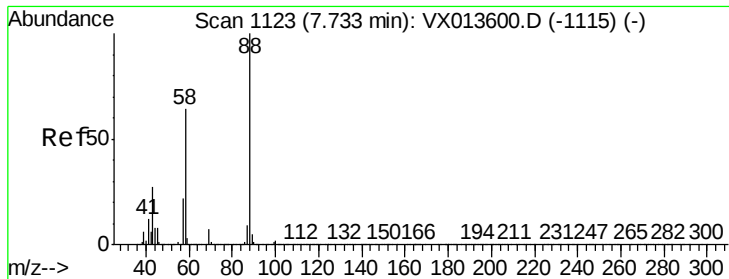
95 92.9 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#49

1,4-Dioxane

Concen: 12.314 ug/l

RT: 7.75 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VX013804.D

Acq: 06 Dec 2019 17:02

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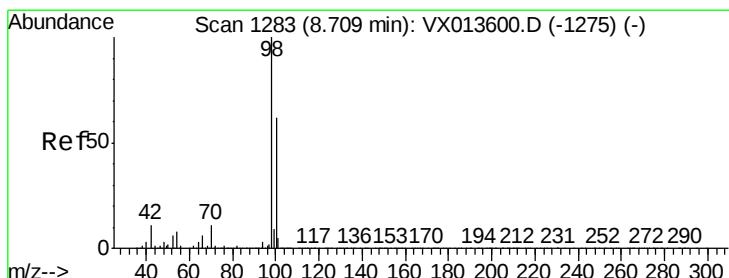
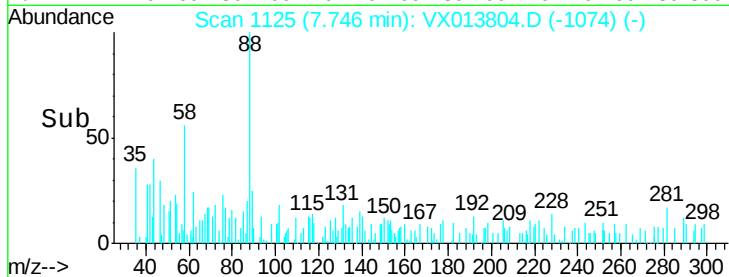
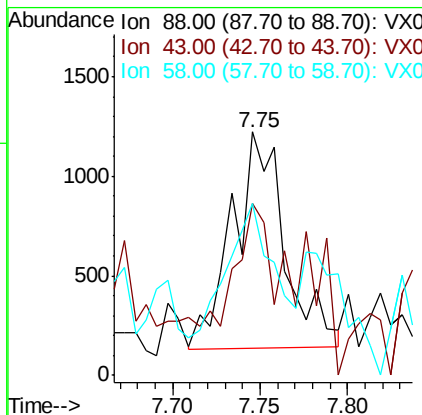
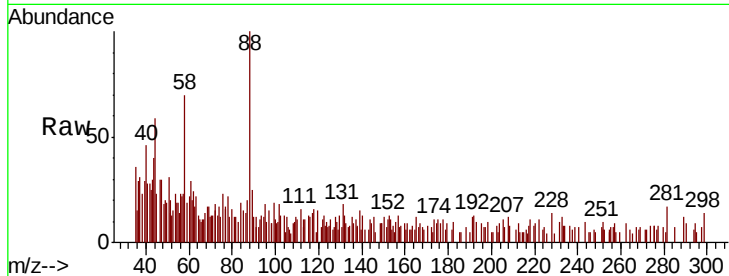
Tot Ion: 88 Resp: 2246

Ion Ratio Lower Upper

88 100

43 31.8 25.8 38.6

58 54.6 54.6 82.0#



#50

Toluene-d8

Concen: 48.381 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013804.D

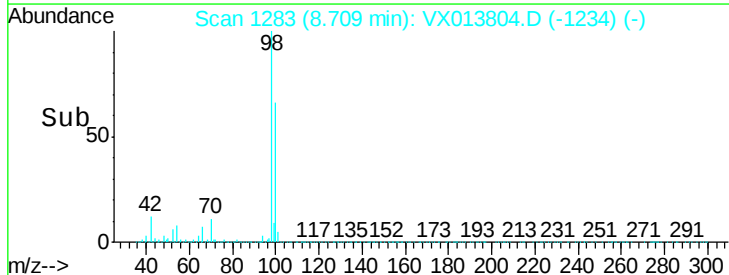
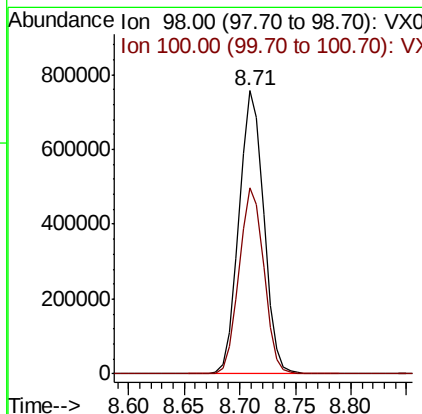
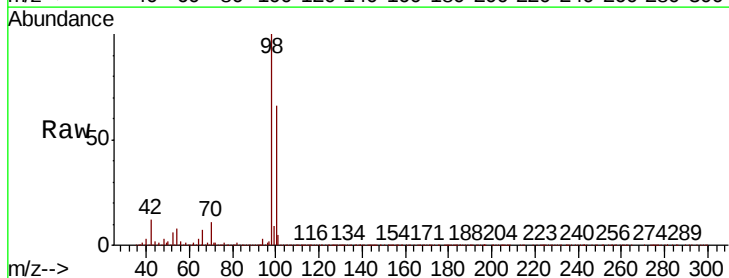
Acq: 06 Dec 2019 17:02

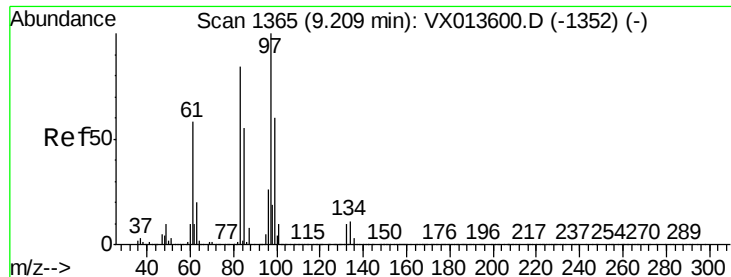
Tgt Ion: 98 Resp: 1165705

Ion Ratio Lower Upper

98 100

100 65.8 53.1 79.7

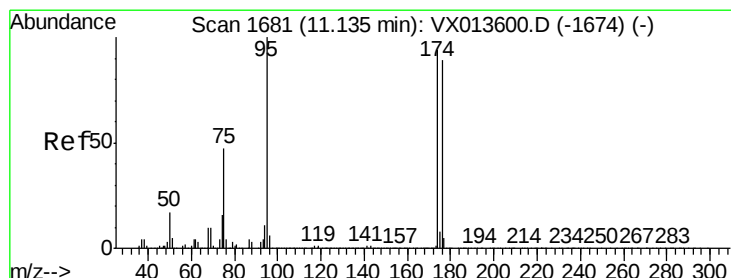
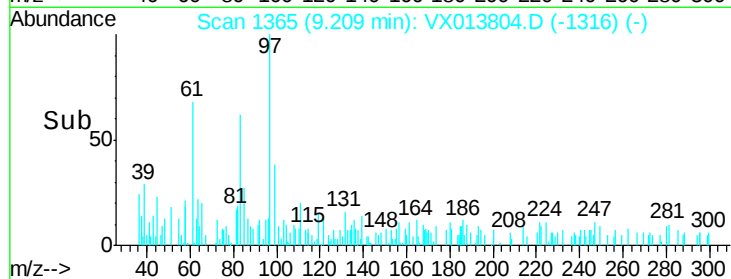
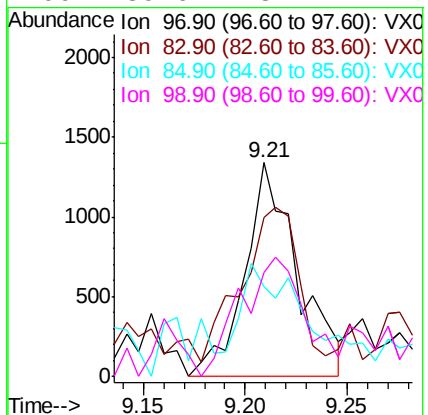
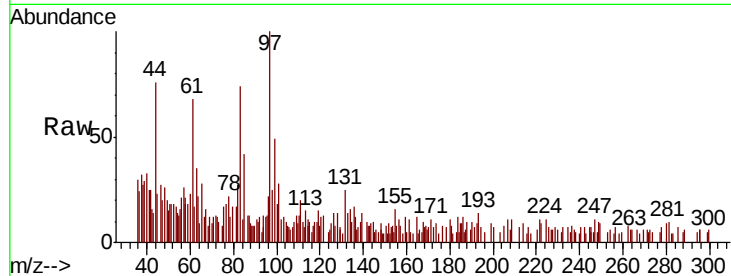




#55
 1,1,2-Trichloroethane
 Concen: 0.347 ug/l
 RT: 9.21 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VX013804.D
 Acq: 06 Dec 2019 17:02

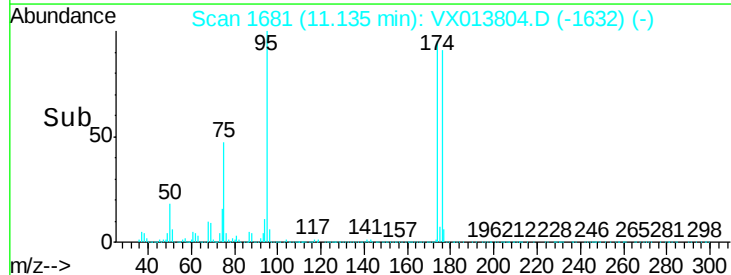
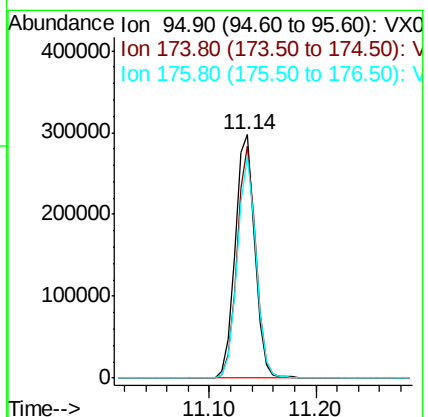
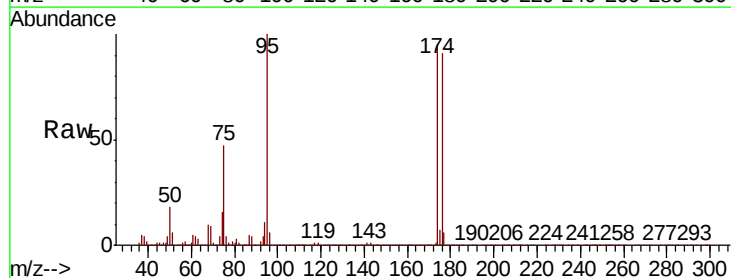
Instrument :
 MSVOA_X
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 RE126D2-20191203

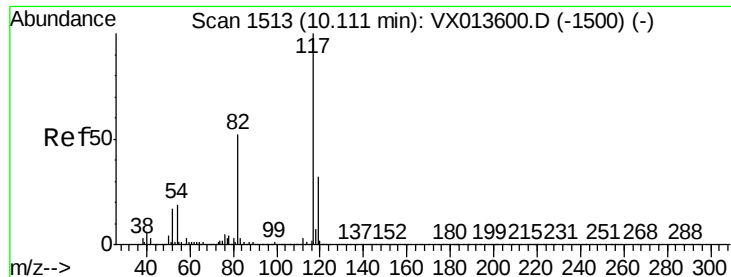
Tot Ion:	97	Resp:	2404
Ion	Ratio	Lower	Upper
97	100		
83	61.5	67.3	100.9#
85	29.6	43.6	65.4#
99	39.6	48.2	72.4#



#62
 4-Bromofluorobenzene
 Concen: 44.437 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.00 min
 Lab File: VX013804.D
 Acq: 06 Dec 2019 17:02

Tgt Ion:	95	Resp:	386085
Ion	Ratio	Lower	Upper
95	100		
174	90.9	0.0	180.0
176	87.1	0.0	173.6

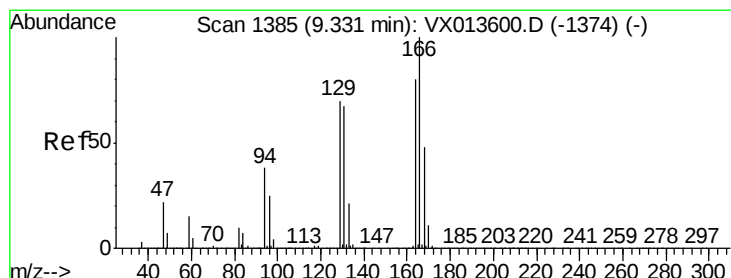
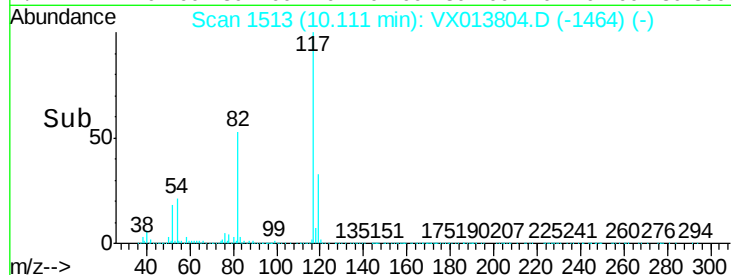
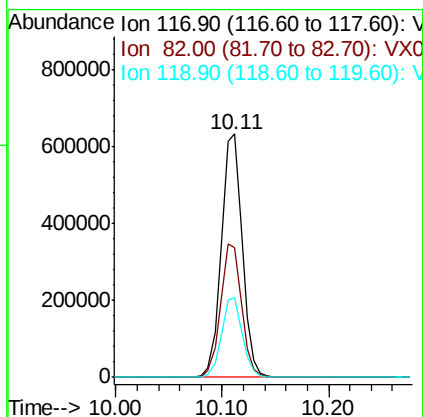
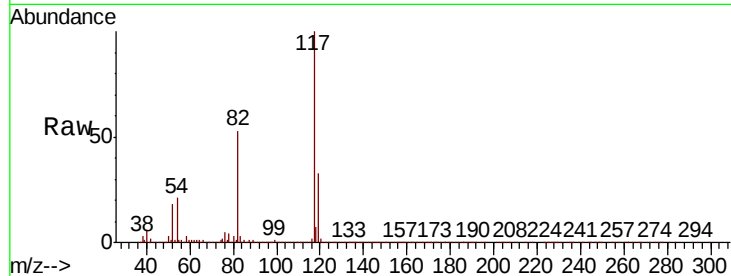




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013804.D
Acq: 06 Dec 2019 17:02

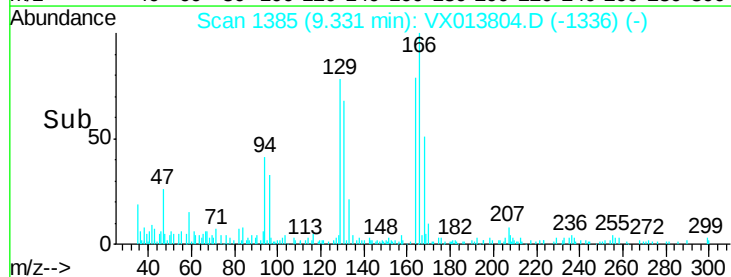
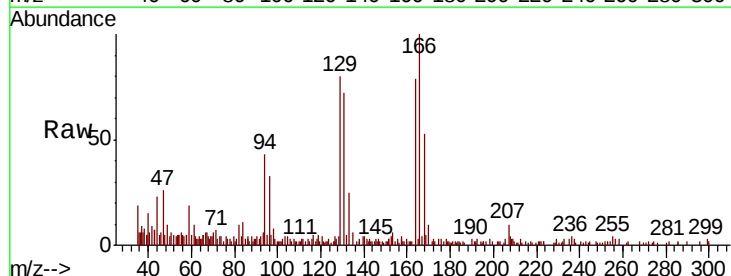
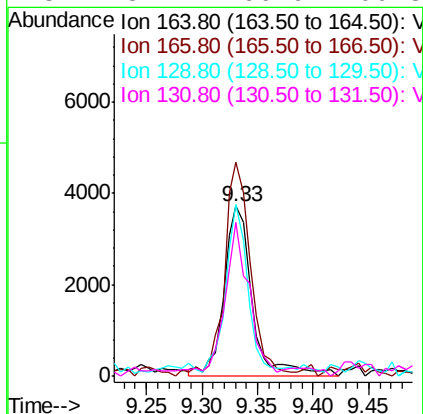
Instrument :
MSVOA_X
ClientSampleId :
RE126D2-20191203

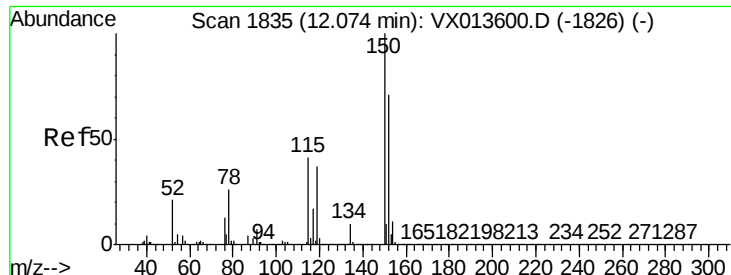
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	41.8	62.8
119	32.8	25.8	38.8



#64
Tetrachloroethene
Concen: 1.014 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013804.D
Acq: 06 Dec 2019 17:02

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.8	99.7	149.5
129	95.2	70.1	105.1
131	87.7	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: VX013804.D

Acq: 06 Dec 2019 17:02

Instrument :

MSVOA_X

ClientSampleId :

RE126D2-20191203

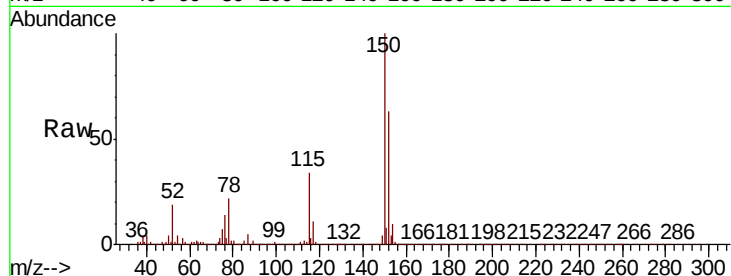
Tot Ion:152 Resp: 383146

Ion Ratio Lower Upper

152 100

115 54.4 38.4 115.1

150 154.2 0.0 346.8



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

