

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120919\
 Data File : VX0137857.D
 Acq On : 09 Dec 2019 17:44
 Operator : JC/SP
 Sample : K6185-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 10 04:28:25 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

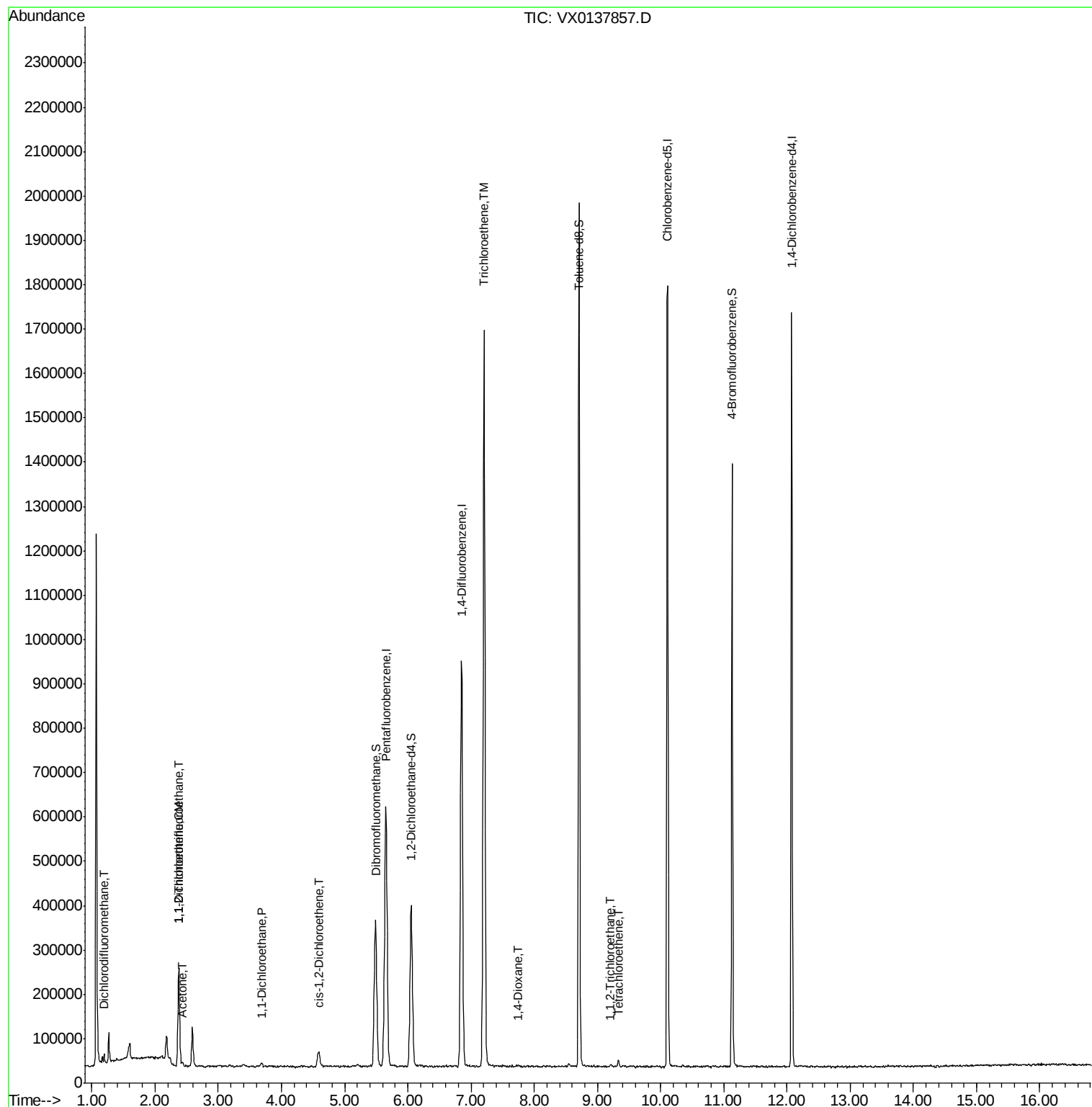
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	617205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	944438	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	832330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	359532	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	341498	47.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.34%	
35) Dibromofluoromethane	5.49	113	285004	48.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.62%	
50) Toluene-d8	8.71	98	1105028	48.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.16%	
62) 4-Bromofluorobenzene	11.13	95	365683	44.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.16%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.19	85	7791	1.134	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	2.37	101	80223	13.633	ug/l	99
12) 1,1-Dichloroethene	2.37	96	15282	2.602	ug/l	95
16) Acetone	2.43	43	8206	2.320	ug/l	100
24) 1,1-Dichloroethane	3.69	63	9098	0.811	ug/l #	84
27) cis-1,2-Dichloroethene	4.59	96	24564	3.343	ug/l	86
44) Trichloroethene	7.21	130	659847	92.079	ug/l	96
49) 1,4-Dioxane	7.74	88	4350	25.261	ug/l #	70
55) 1,1,2-Trichloroethane	9.21	97	2083	0.319	ug/l #	82
64) Tetrachloroethene	9.33	164	3151	0.508	ug/l #	86

(#) = 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: VX0137857.D

Acq: 09 Dec 2019 17:44

Instrument :

MSVOA_X

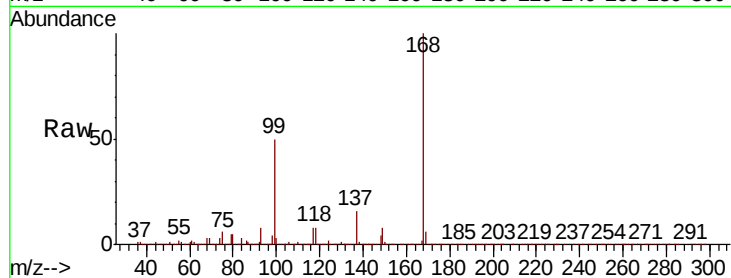
ClientSampleId :

Tot Ion:168 Resp: 617205

Ion Ratio Lower Upper

168 100

99 49.6 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

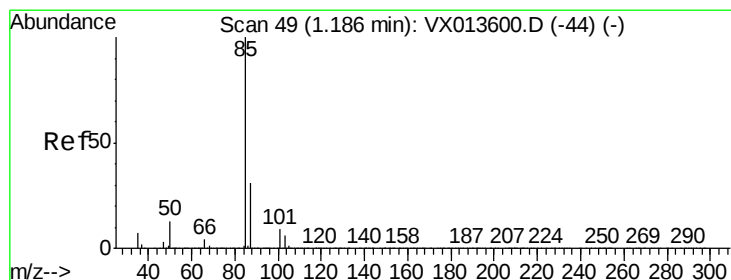
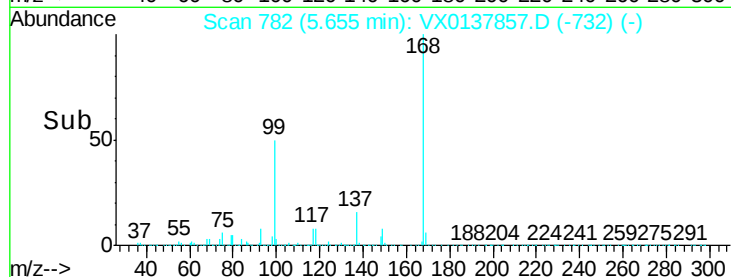
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 1.134 ug/l

RT: 1.19 min Scan# 50

Delta R.T. 0.01 min

Lab File: VX0137857.D

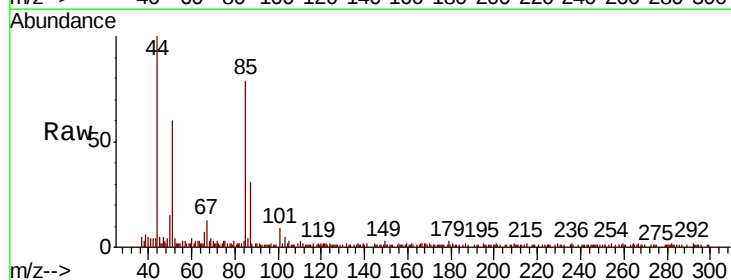
Acq: 09 Dec 2019 17:44

Tgt Ion: 85 Resp: 7791

Ion Ratio Lower Upper

85 100

87 37.4 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

8000

6000

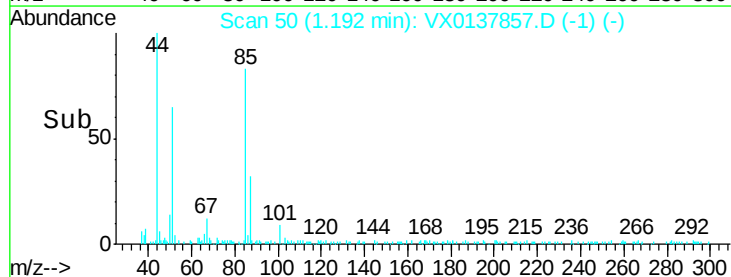
4000

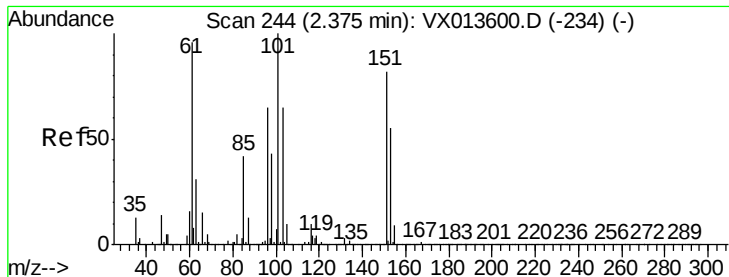
2000

0

Time-->

1.15 1.20 1.25





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.633 ug/l

RT: 2.37 min Scan# 244

Delta R.T. 0.00 min

Lab File: VX0137857.D

Acq: 09 Dec 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

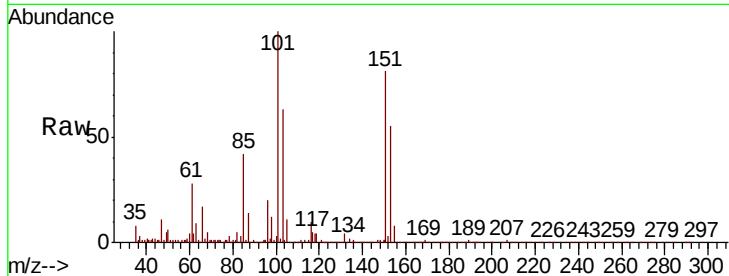
Tot Ion:101 Resp: 80223

Ion Ratio Lower Upper

101 100

85 41.6 33.9 50.9

151 80.1 64.2 96.2



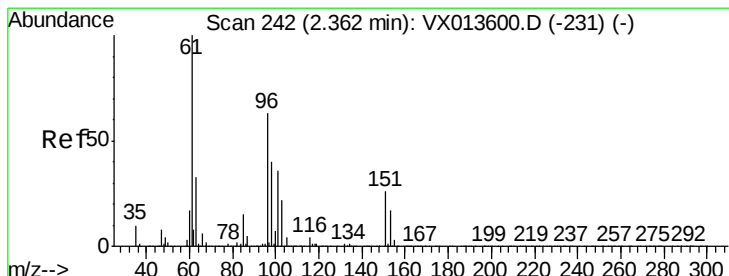
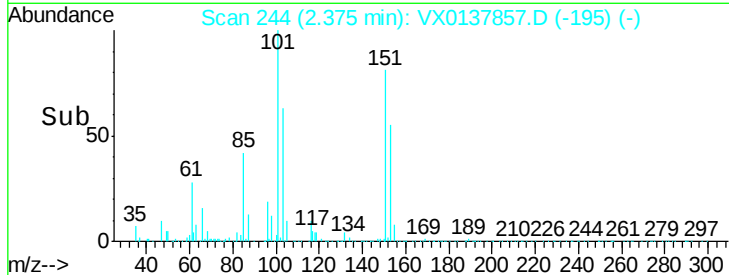
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.37

Time-->



#12

1,1-Dichloroethene

Concen: 2.602 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX0137857.D

Acq: 09 Dec 2019 17:44

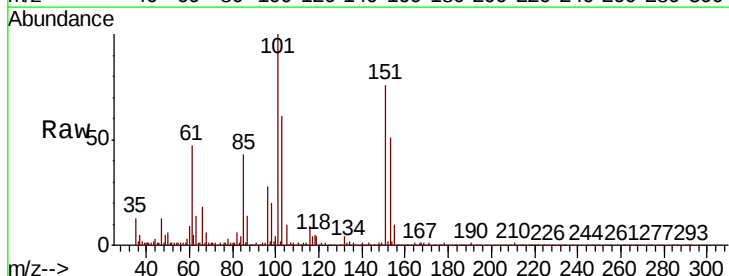
Tgt Ion: 96 Resp: 15282

Ion Ratio Lower Upper

96 100

61 163.2 126.6 190.0

98 71.0 50.6 76.0



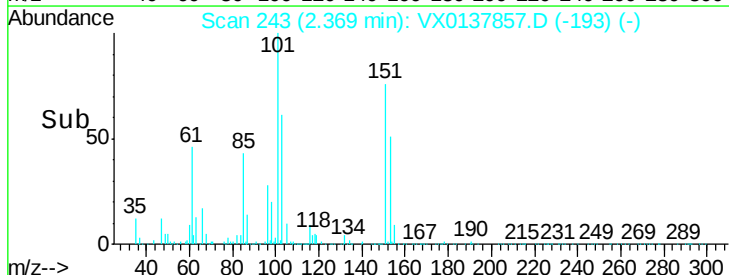
Abundance Ion 95.90 (95.60 to 96.60): VX0

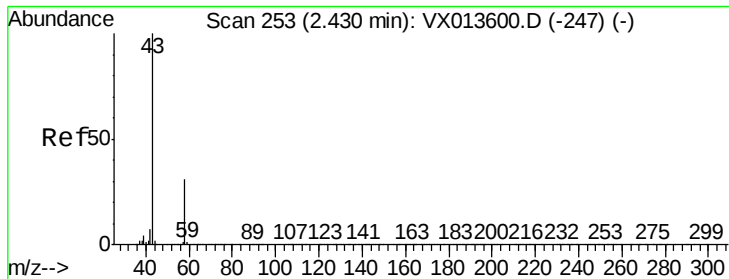
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

2.37

Time-->

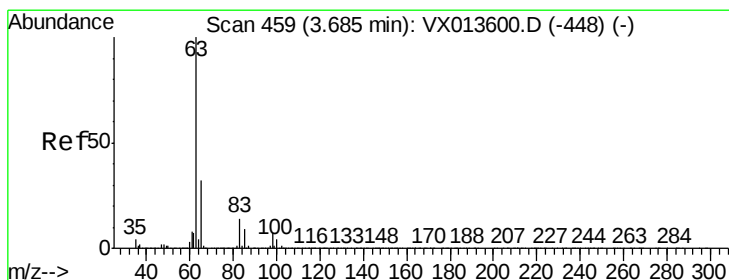
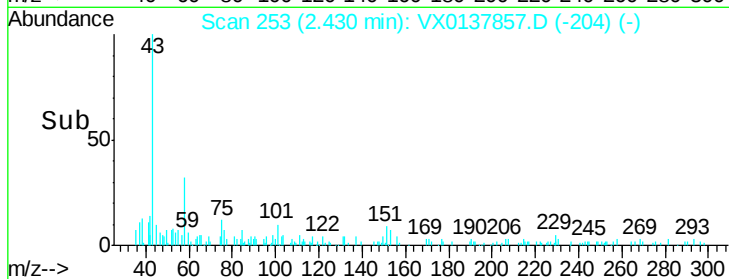
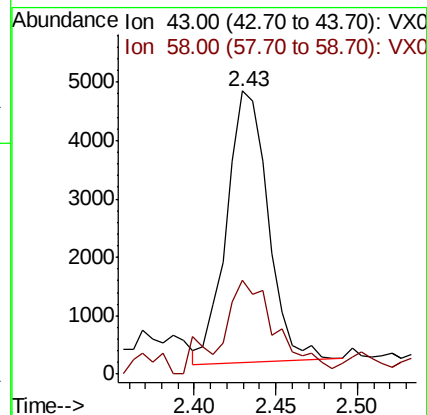
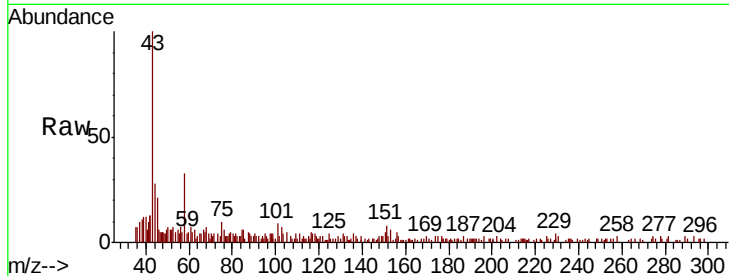




#16
Acetone
Concen: 2.320 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX0137857.D
Acq: 09 Dec 2019 17:44

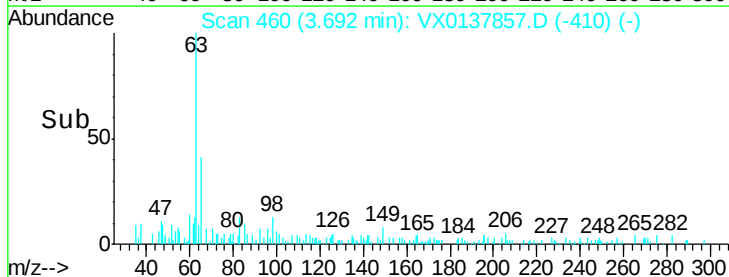
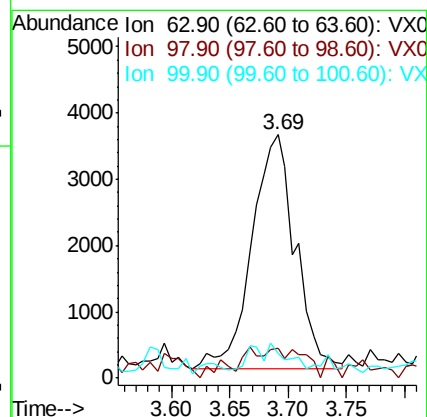
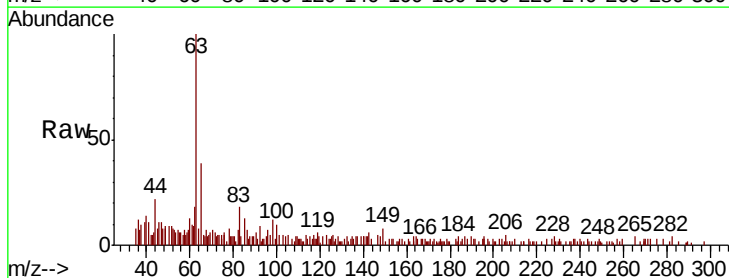
Instrument :
MSVOA_X
ClientSampled :

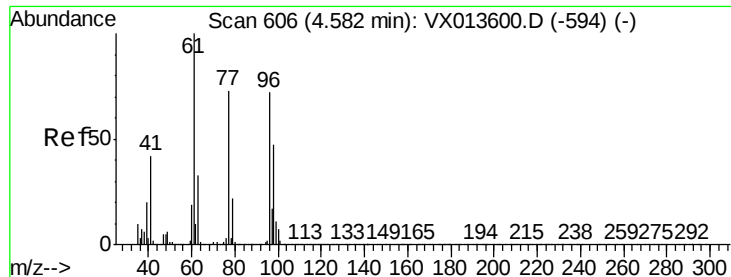
Tot Ion: 43 Resp: 8206
Ion Ratio Lower Upper
43 100
58 30.6 24.6 36.8



#24
1,1-Dichloroethane
Concen: 0.811 ug/l
RT: 3.69 min Scan# 460
Delta R.T. 0.01 min
Lab File: VX0137857.D
Acq: 09 Dec 2019 17:44

Tgt Ion: 63 Resp: 9098
Ion Ratio Lower Upper
63 100
98 12.8 3.5 10.4#
100 8.5 2.1 6.3#



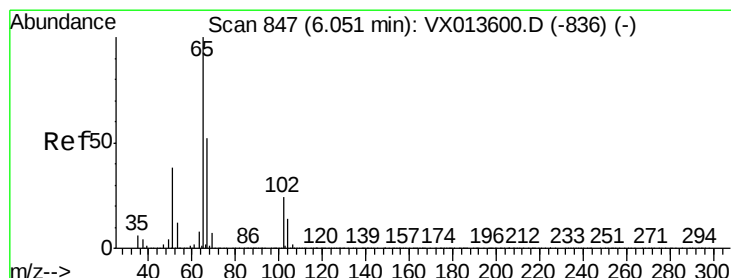
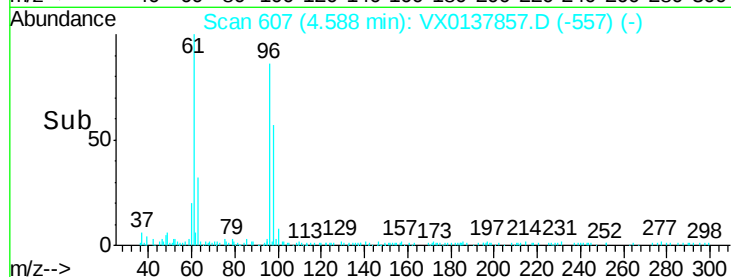
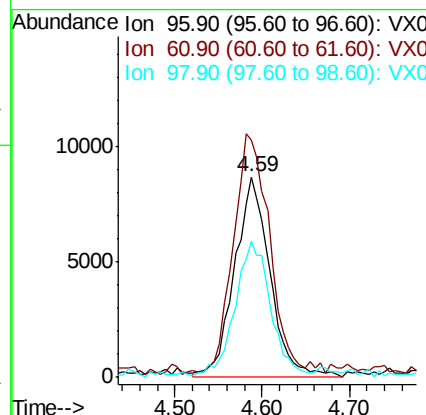
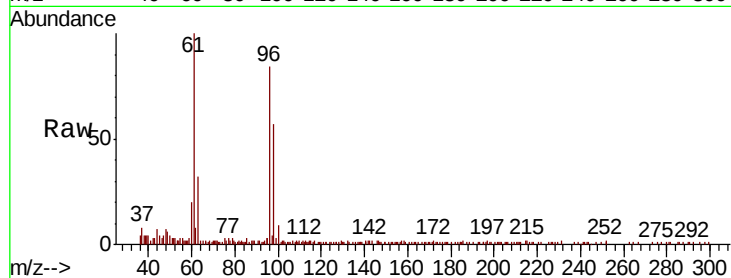


#27

cis-1,2-Dichloroethene
Concen: 3.343 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX0137857.D
Acq: 09 Dec 2019 17:44

Instrument :
MSVOA_X
ClientSampleId :

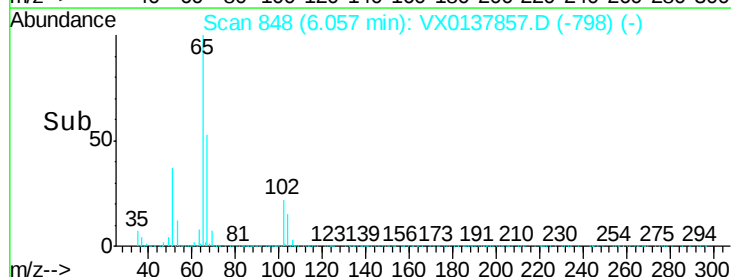
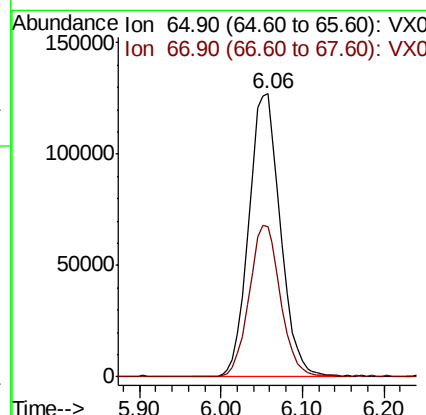
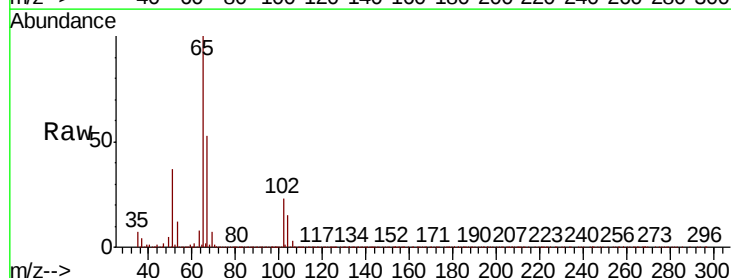
Tot Ion	Ratio	Lower	Upper
96	100		
61	119.2	0.0	286.4
98	65.9	0.0	127.4

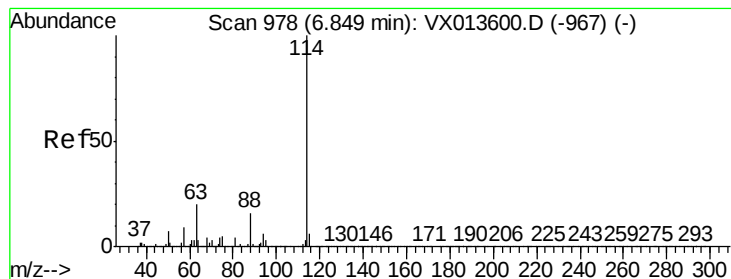


#33

1,2-Dichloroethane-d4
Concen: 47.666 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.01 min
Lab File: VX0137857.D
Acq: 09 Dec 2019 17:44

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.7	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: VX0137857.D

Acq: 09 Dec 2019 17:44

Instrument :

MSVOA_X

ClientSampleId :

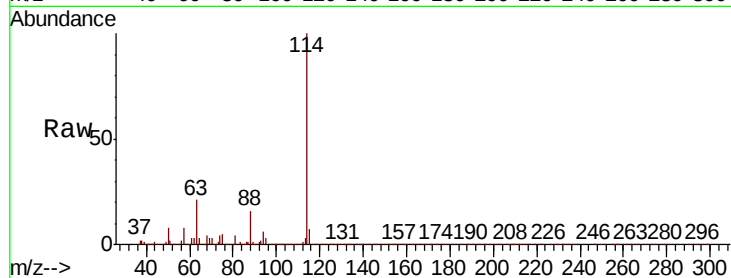
Tot Ion:114 Resp: 944438

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.6

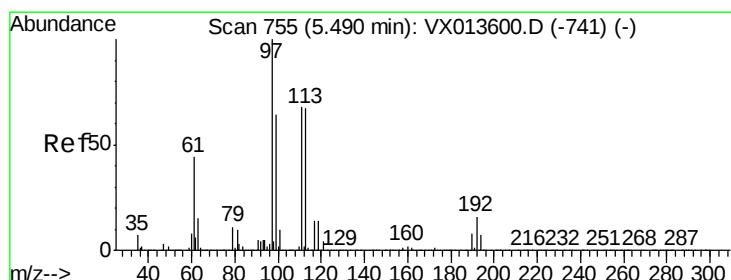
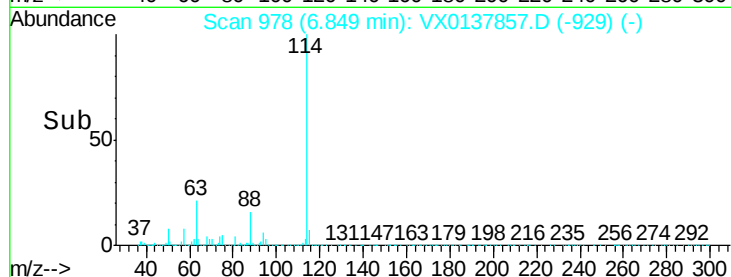
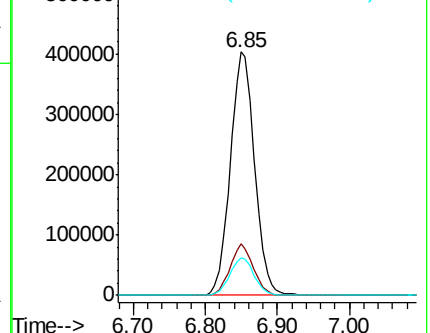
88 15.5 0.0 31.4



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: 48.814 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX0137857.D

Acq: 09 Dec 2019 17:44

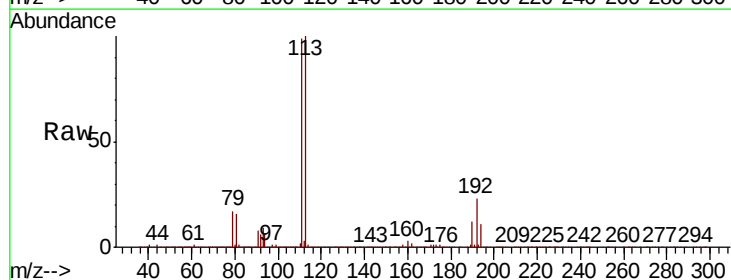
Tgt Ion:113 Resp: 285004

Ion Ratio Lower Upper

113 100

111 101.2 83.6 125.4

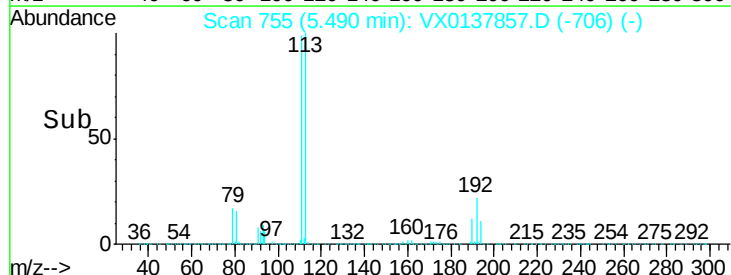
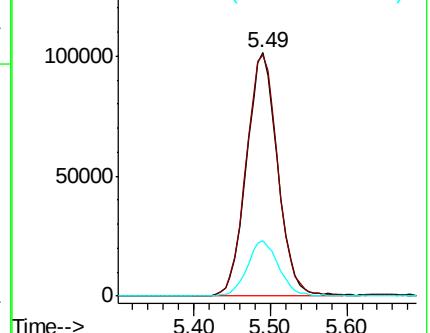
192 23.1 19.2 28.8

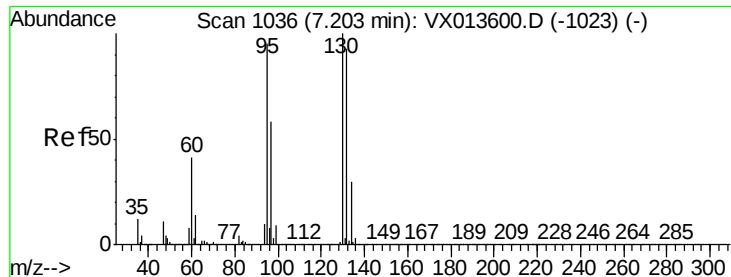


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 92.079 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VX0137857.D

Acq: 09 Dec 2019 17:44

Instrument :

MSVOA_X

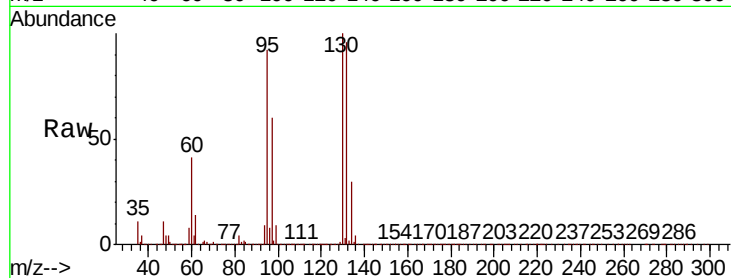
ClientSampleId :

Tot Ion:130 Resp: 659847

Ion Ratio Lower Upper

130 100

95 91.7 0.0 190.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

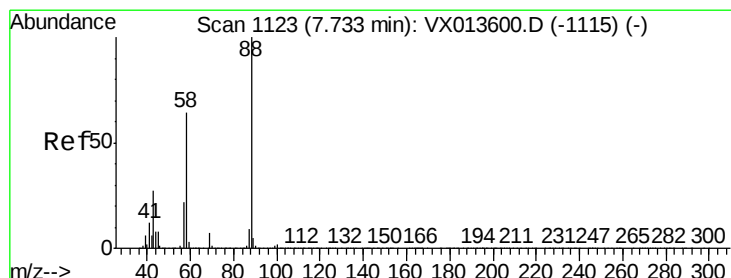
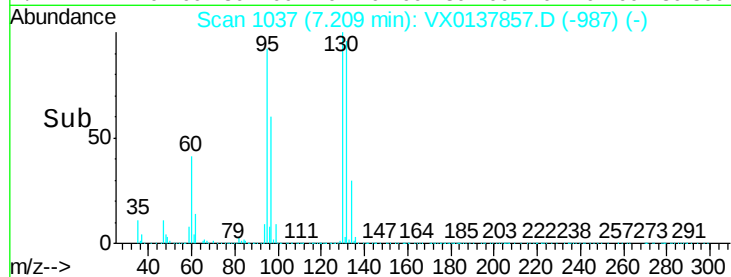
300000

200000

100000

0

Time-->



#49

1,4-Dioxane

Concen: 25.261 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX0137857.D

Acq: 09 Dec 2019 17:44

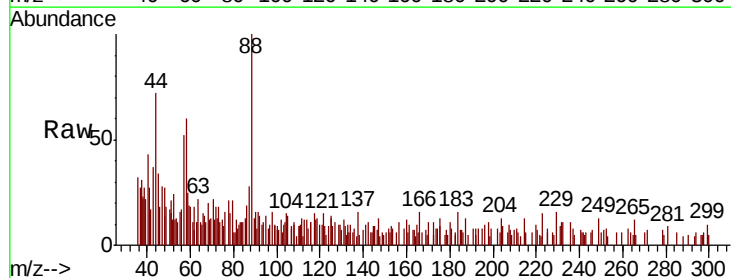
Tgt Ion: 88 Resp: 4350

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.6#

58 54.4 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

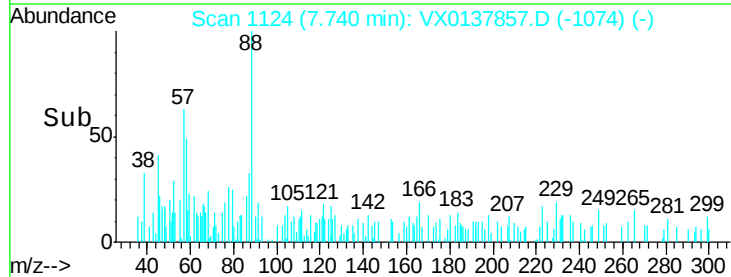
1500

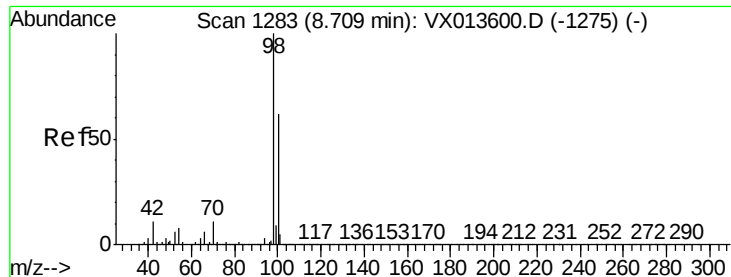
1000

500

0

Time-->





#50

Toluene-d8

Concen: 48.577 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX0137857.D

Acq: 09 Dec 2019 17:44

Instrument :

MSVOA_X

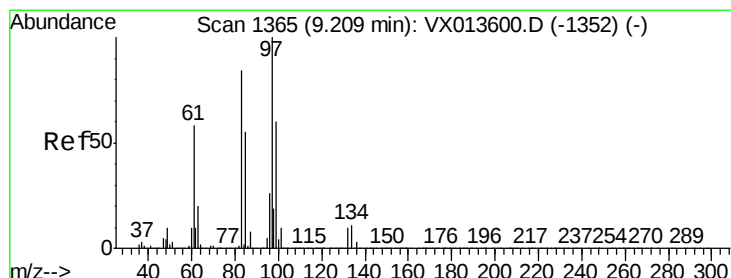
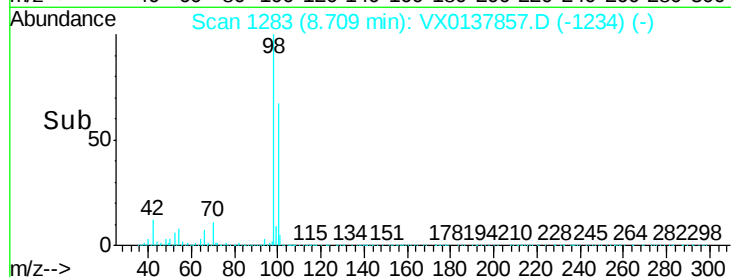
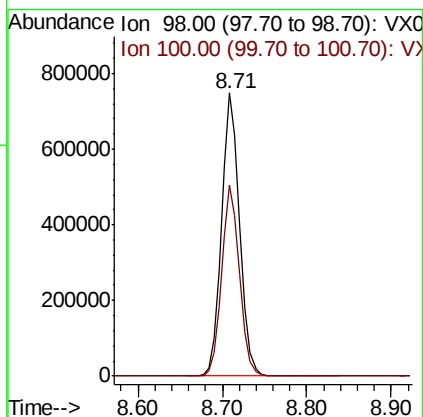
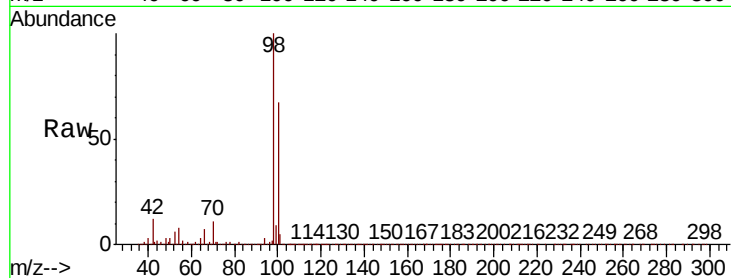
ClientSampleId :

Tot Ion: 98 Resp: 1105028

Ion Ratio Lower Upper

98 100

100 66.5 53.1 79.7



#55

1,1,2-Trichloroethane

Concen: 0.319 ug/l

RT: 9.21 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VX0137857.D

Acq: 09 Dec 2019 17:44

Tgt Ion: 97 Resp: 2083

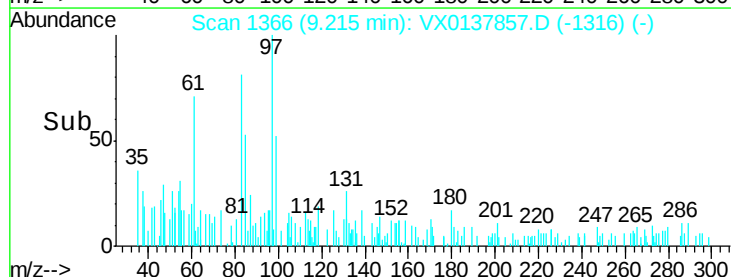
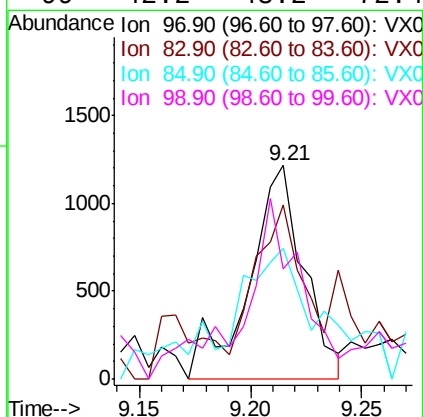
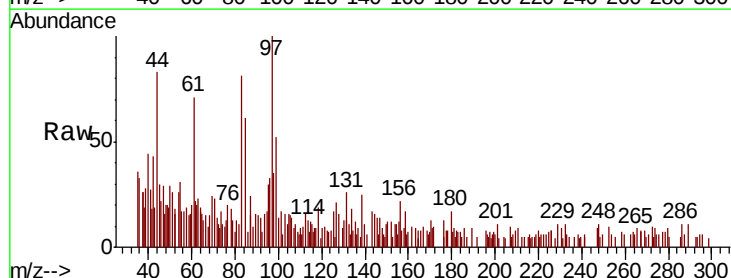
Ion Ratio Lower Upper

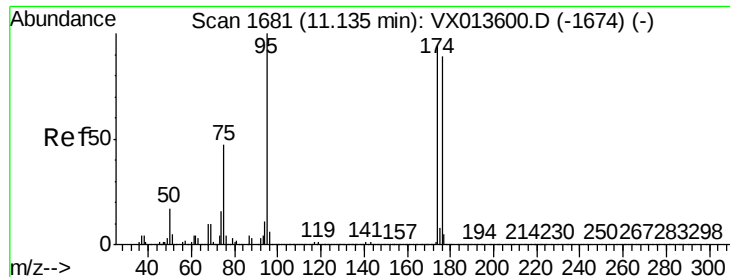
97 100

83 64.8 67.3 100.9#

85 50.1 43.6 65.4

99 42.2 48.2 72.4#

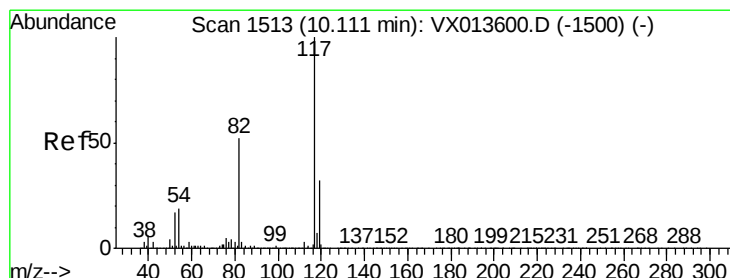
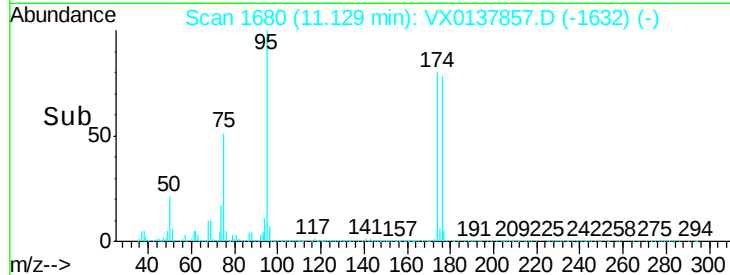
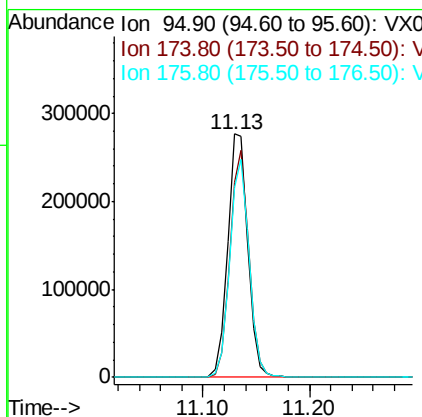
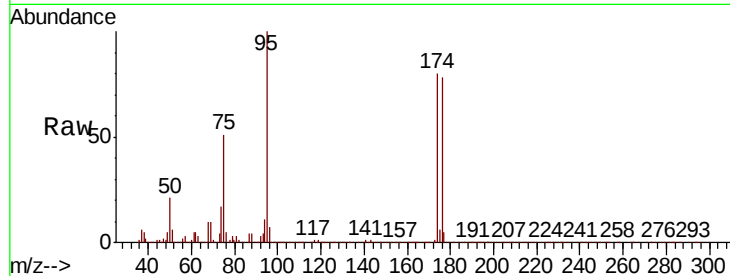




#62
4-Bromofluorobenzene
Concen: 44.579 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX0137857.D
Acq: 09 Dec 2019 17:44

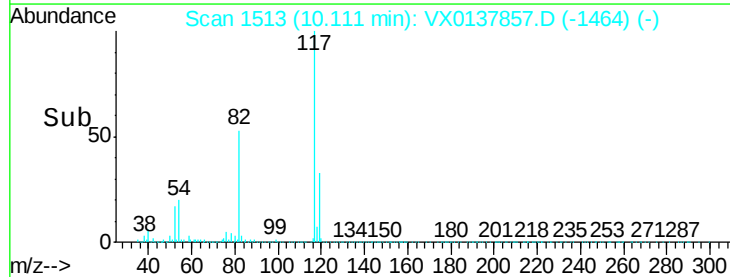
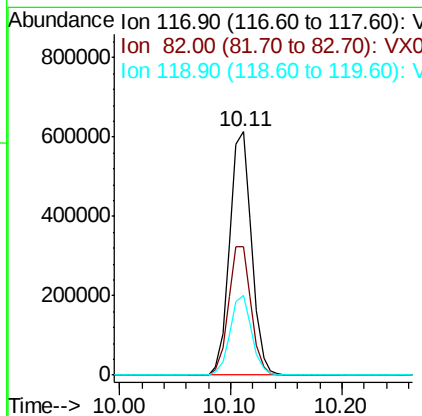
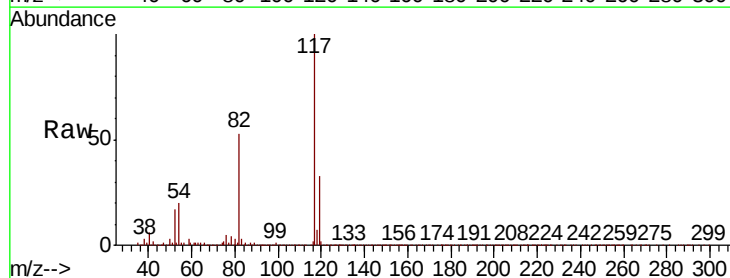
Instrument :
MSVOA_X
ClientSampleId :

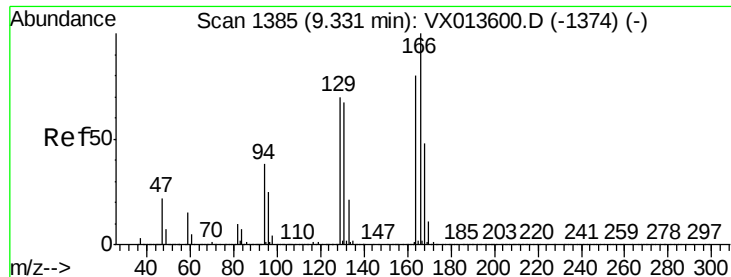
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	180.0
176	86.6	0.0	173.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX0137857.D
Acq: 09 Dec 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.8	62.8
119	32.9	25.8	38.8





#64

Tetrachloroethene

Concen: 0.508 ug/l

RT: 9.33 min Scan# 1385

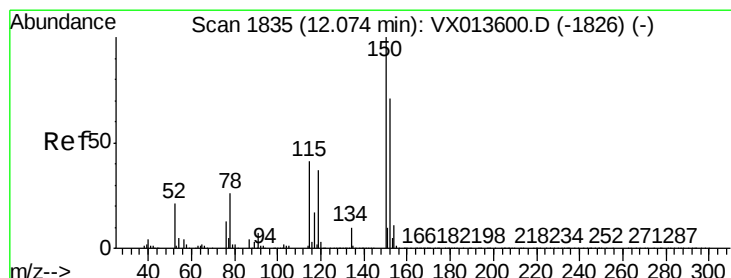
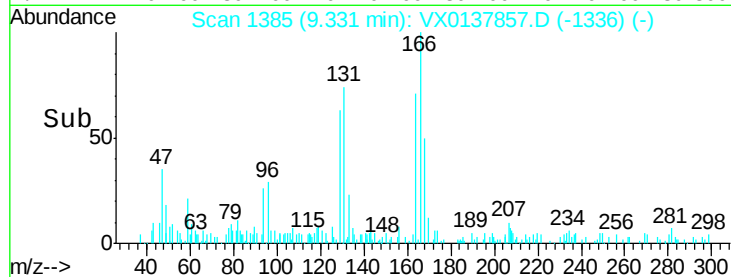
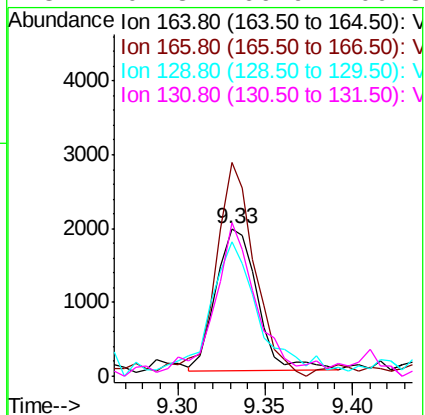
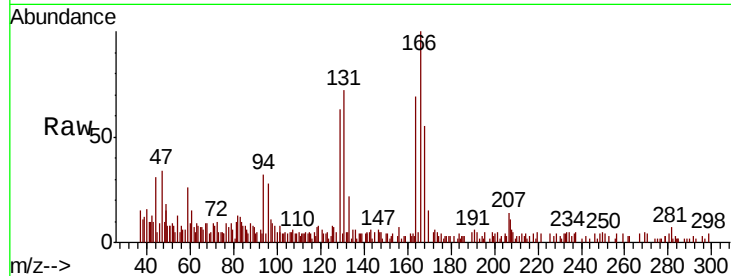
Delta R.T. 0.00 min

Lab File: VX0137857.D

Acq: 09 Dec 2019 17:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:	164	Resp:	3151
Ion	Ratio	Lower	Upper
164	100		
166	146.2	99.7	149.5
129	90.4	70.1	105.1
131	101.3	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: VX0137857.D

Acq: 09 Dec 2019 17:44

Tgt Ion:	152	Resp:	359532
Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.4	115.1
150	156.6	0.0	346.8

