

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121019\
 Data File : VX013898.D
 Acq On : 10 Dec 2019 15:13
 Operator : JC/SP
 Sample : K6184-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20191203

Quant Time: Dec 11 06:23:22 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	591148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	917602	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	811765	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	359021	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	334507	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
35) Dibromofluoromethane	5.49	113	276943	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
50) Toluene-d8	8.71	98	1070726	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
62) 4-Bromofluorobenzene	11.14	95	358033	44.92	ug/l	0.00
Spiked Amount			Recovery	=	89.84%	

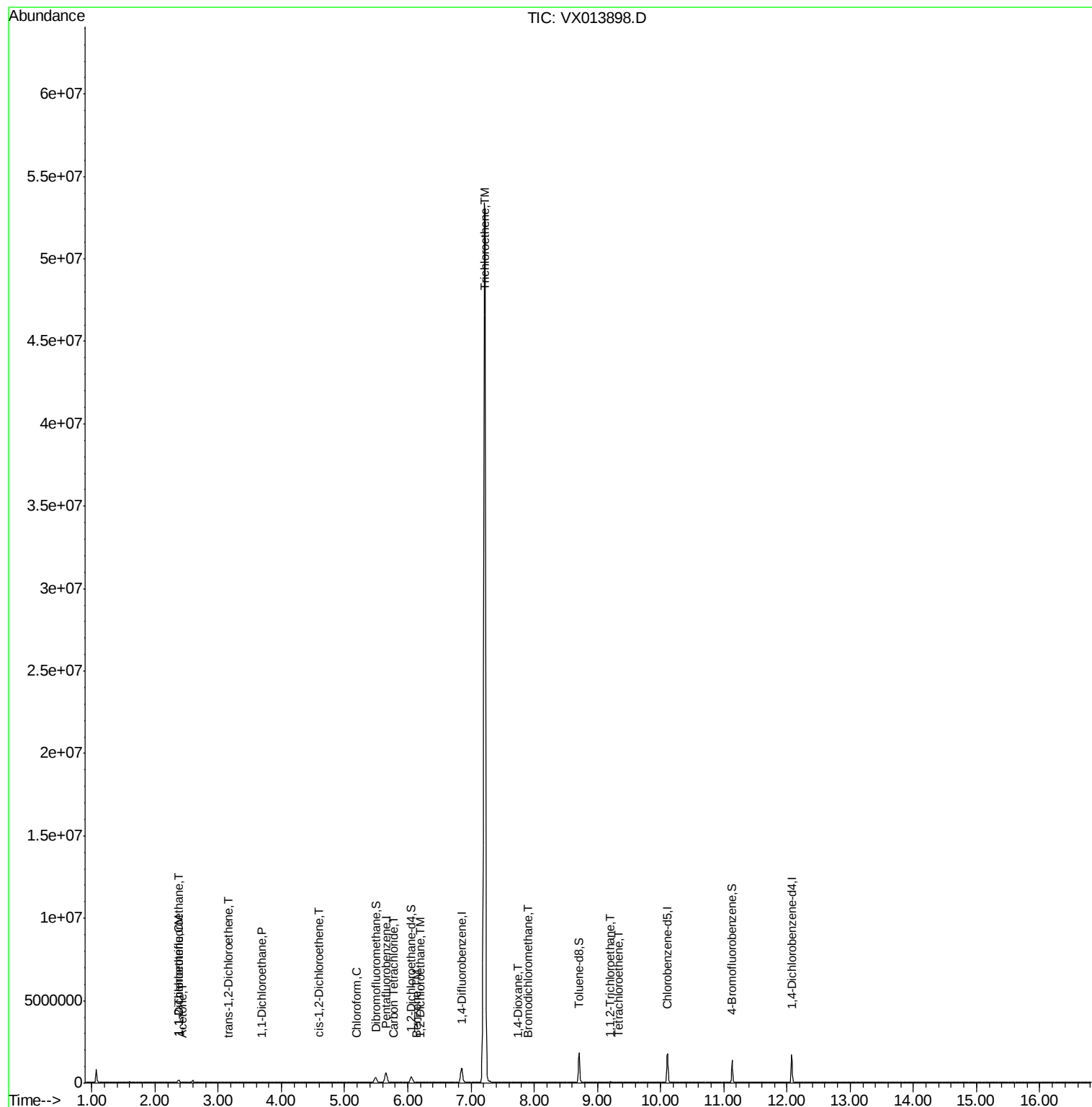
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	38137	6.767	ug/l	98
12) 1,1-Dichloroethene	2.37	96	23877	4.244	ug/l	95
16) Acetone	2.43	43	15832	4.673	ug/l #	85
21) trans-1,2-Dichloroethene	3.15	96	1883	0.307	ug/l #	80
24) 1,1-Dichloroethane	3.69	63	12240	1.139	ug/l #	93
27) cis-1,2-Dichloroethene	4.59	96	26607	3.780	ug/l	91
30) Chloroform	5.19	83	23051	2.115	ug/l	93
38) Carbon Tetrachloride	5.78	117	13956	1.817	ug/l	91
40) Benzene	6.14	78	8028	0.316	ug/l #	87
42) 1,2-Dichloroethane	6.19	62	5982	0.691	ug/l #	72
44) Trichloroethene	7.22	130	20833391	2992.256	ug/l	95
47) Bromodichloromethane	7.89	83	3087	0.379	ug/l #	60
49) 1,4-Dioxane	7.74	88	2696	16.114	ug/l #	83
55) 1,1,2-Trichloroethane	9.21	97	14465	2.278	ug/l	94
64) Tetrachloroethene	9.33	164	7826	1.293	ug/l	96

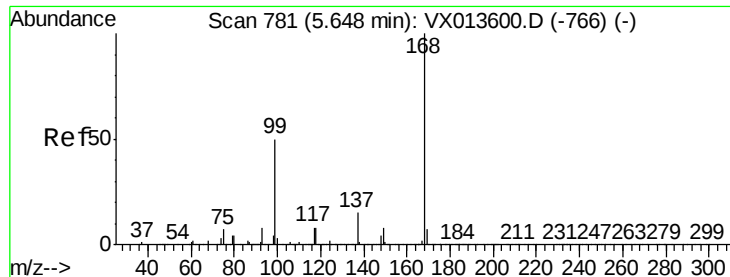
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
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: VX013898.D

Acq: 10 Dec 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

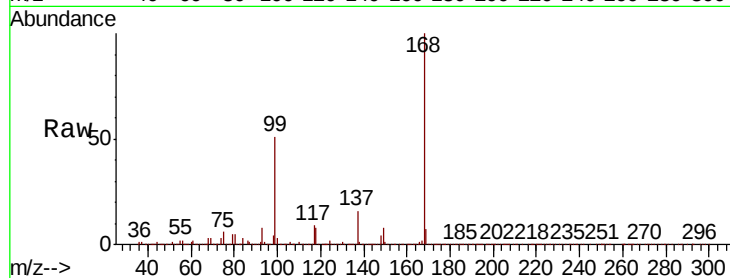
RE122D2-20191203

Tot Ion:168 Resp: 591148

Ion Ratio Lower Upper

168 100

99 51.3 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

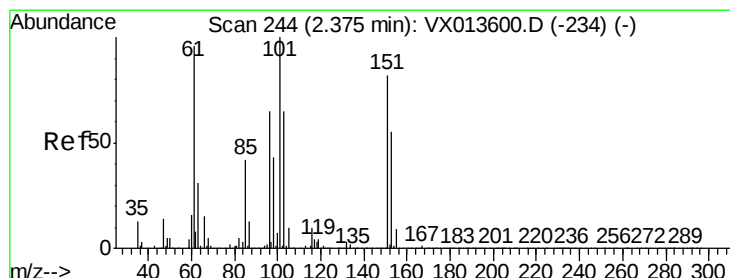
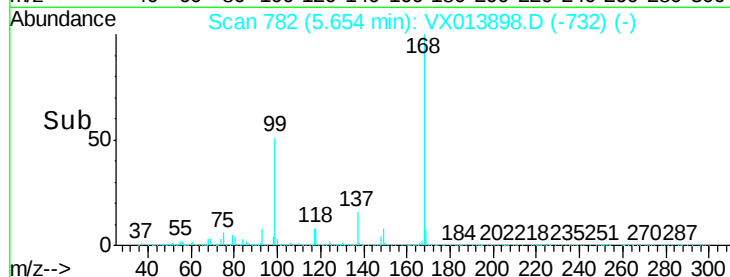
150000

100000

50000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 6.767 ug/l

RT: 2.37 min Scan# 244

Delta R.T. -0.00 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

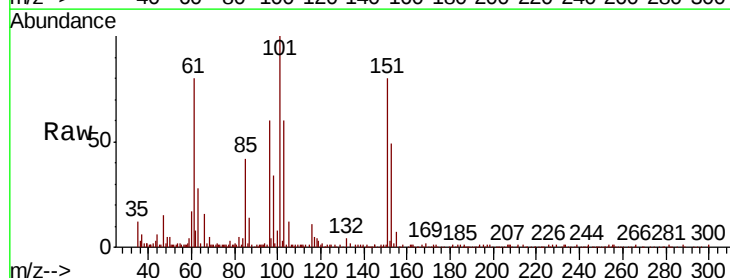
Tgt Ion:101 Resp: 38137

Ion Ratio Lower Upper

101 100

85 44.7 33.9 50.9

151 80.9 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

25000

20000

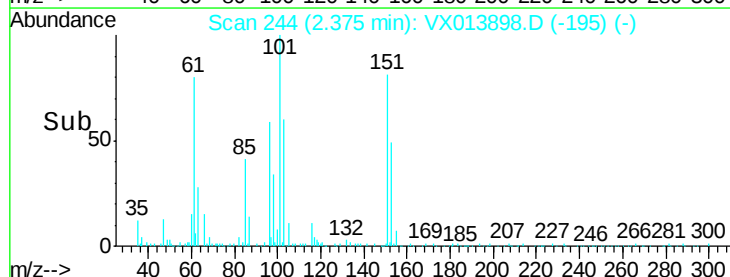
15000

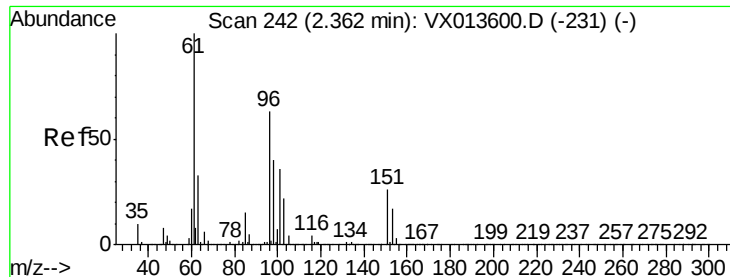
10000

5000

0

Time-->





#12

1,1-Dichloroethene

Concen: 4.244 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20191203

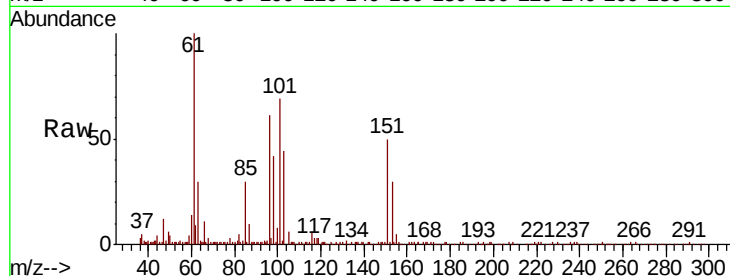
Tot Ion: 96 Resp: 23877

Ion Ratio Lower Upper

96 100

61 164.3 126.6 190.0

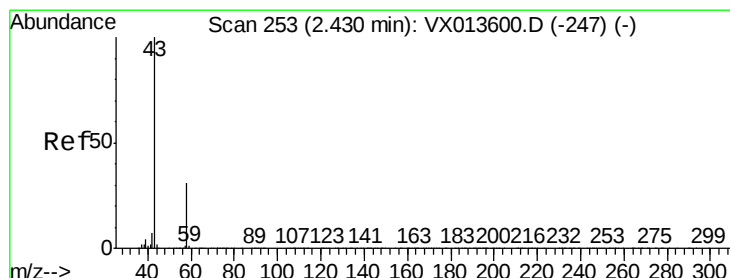
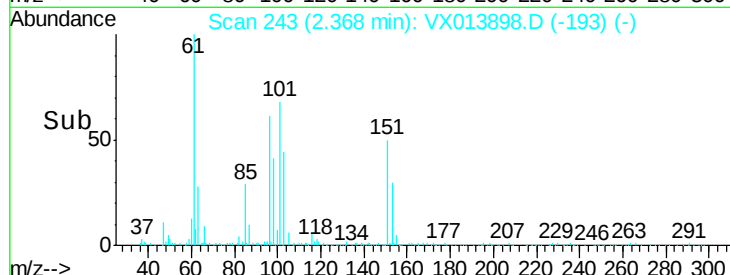
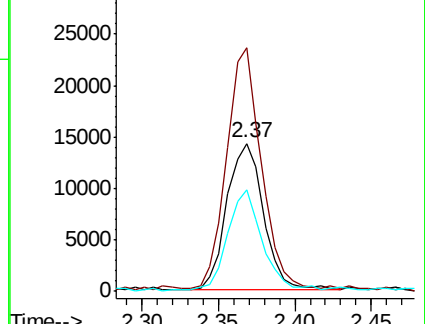
98 68.3 50.6 76.0



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



#16

Acetone

Concen: 4.673 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX013898.D

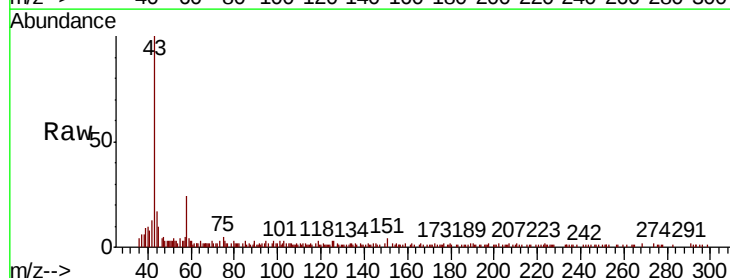
Acq: 10 Dec 2019 15:13

Tgt Ion: 43 Resp: 15832

Ion Ratio Lower Upper

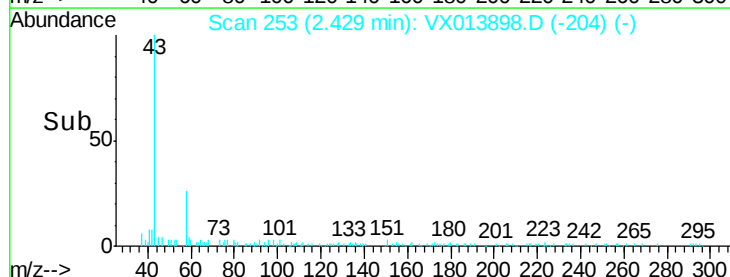
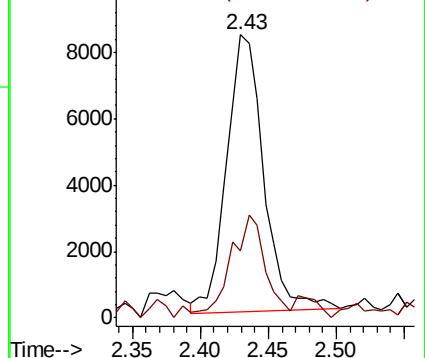
43 100

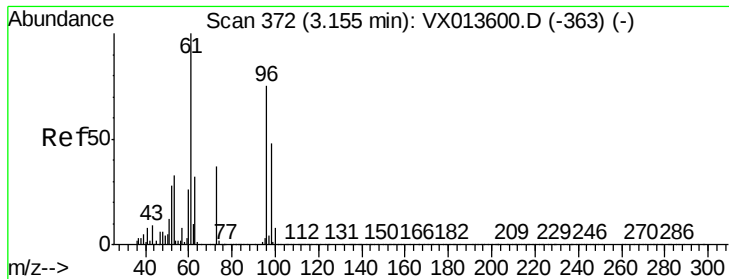
58 22.6 24.6 36.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.307 ug/l

RT: 3.15 min Scan# 372

Delta R.T. -0.00 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20191203

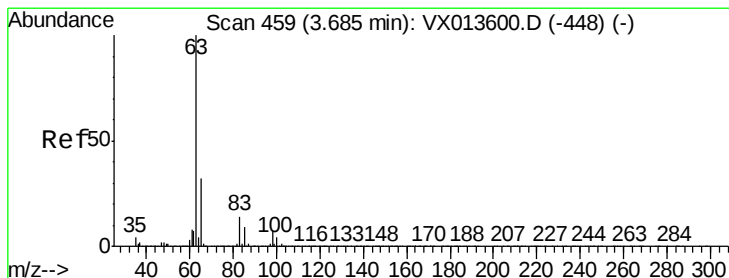
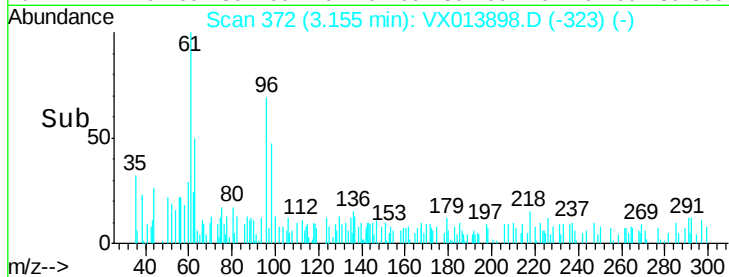
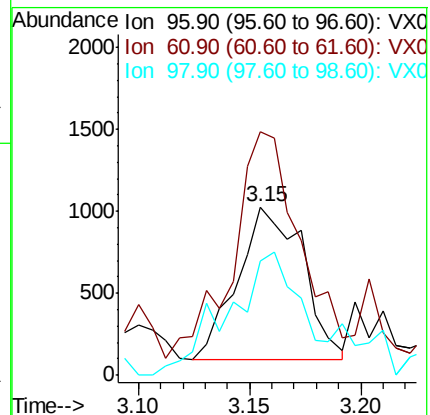
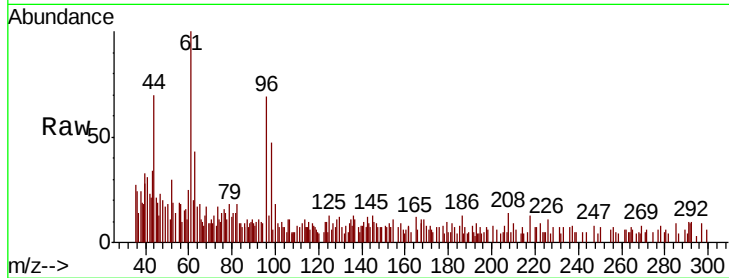
Tot Ion: 96 Resp: 1883

Ion Ratio Lower Upper

96 100

61 163.8 107.2 160.8#

98 72.4 51.4 77.0



#24

1,1-Dichloroethane

Concen: 1.139 ug/l

RT: 3.69 min Scan# 460

Delta R.T. 0.01 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

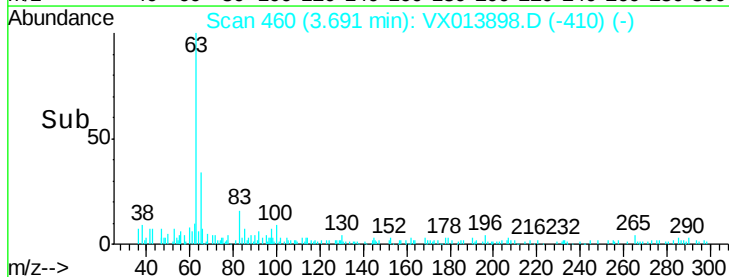
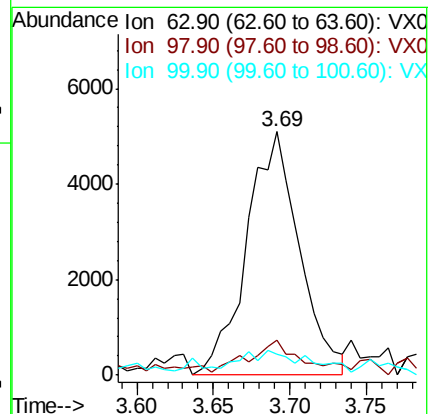
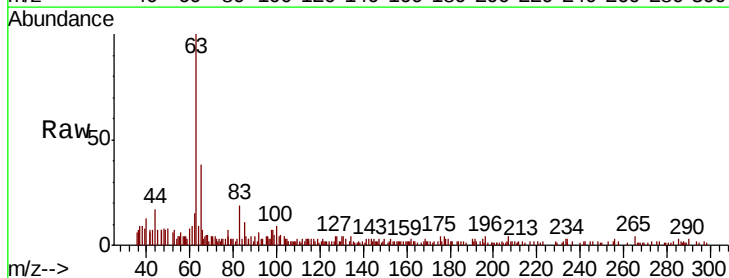
Tgt Ion: 63 Resp: 12240

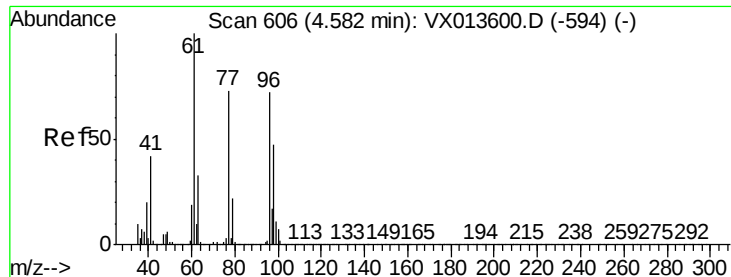
Ion Ratio Lower Upper

63 100

98 10.6 3.5 10.4#

100 3.7 2.1 6.3



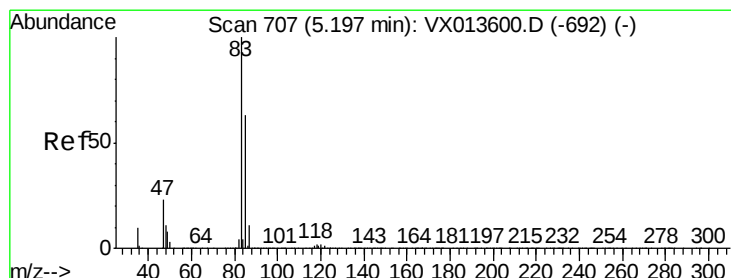
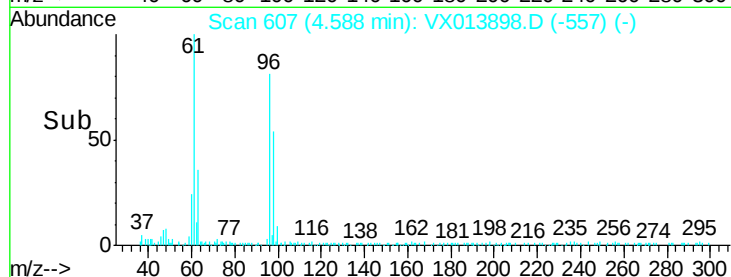
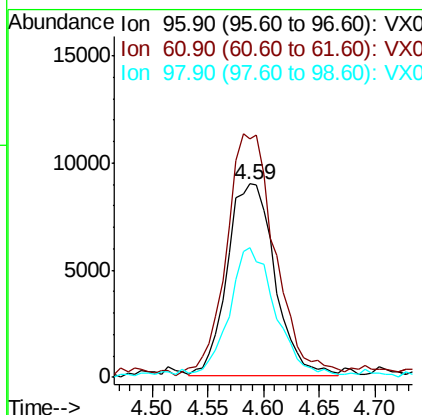
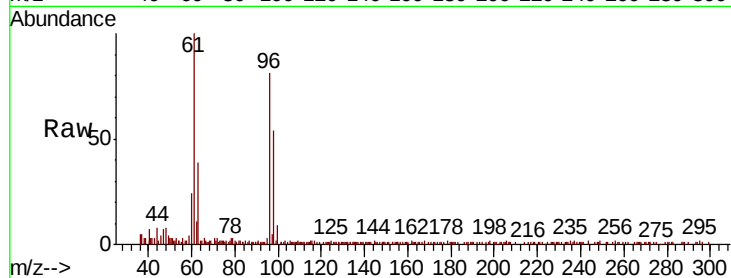


#27

cis-1,2-Dichloroethene
Concen: 3.780 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX013898.D
Acq: 10 Dec 2019 15:13

Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20191203

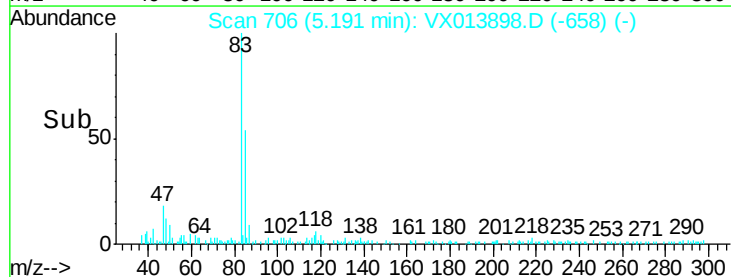
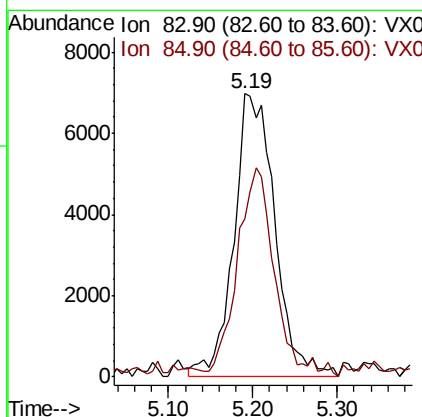
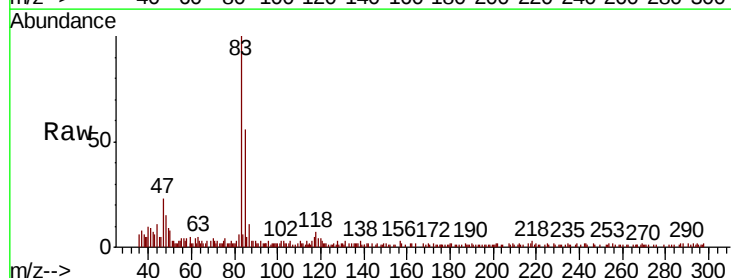
Tot Ion	Ratio	Lower	Upper
96	100		
61	128.7	0.0	286.4
98	61.4	0.0	127.4

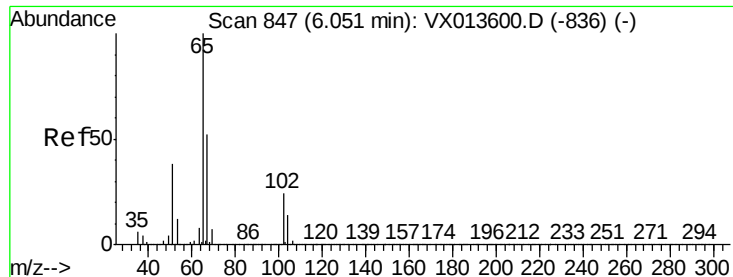


#30

Chloroform
Concen: 2.115 ug/l
RT: 5.19 min Scan# 706
Delta R.T. -0.01 min
Lab File: VX013898.D
Acq: 10 Dec 2019 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.0	50.2	75.4





#33

1,2-Dichloroethane-d4

Concen: 48.749 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

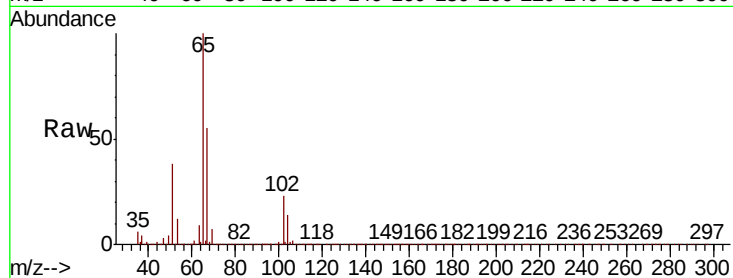
RE122D2-20191203

Tot Ion: 65 Resp: 334507

Ion Ratio Lower Upper

65 100

67 53.7 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

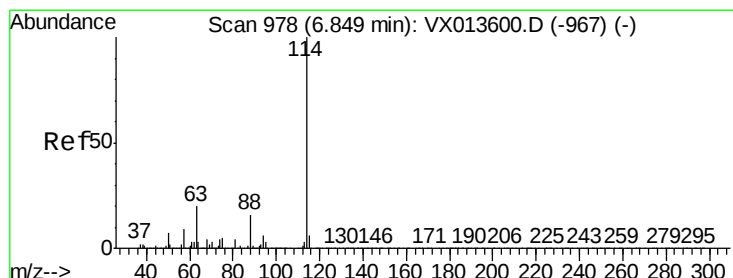
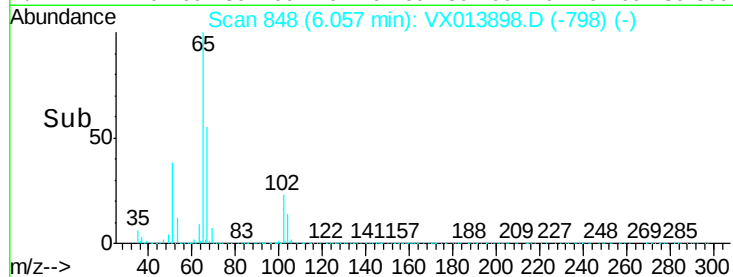
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

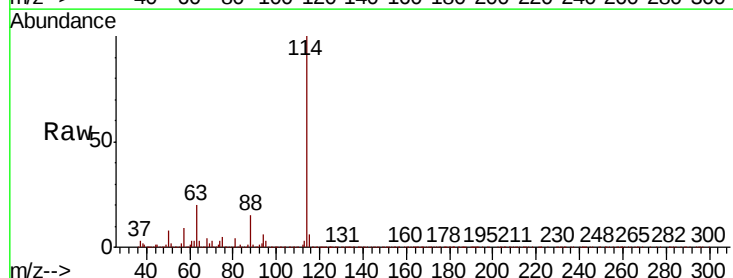
Tgt Ion: 114 Resp: 917602

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 15.4 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

6.86

500000

400000

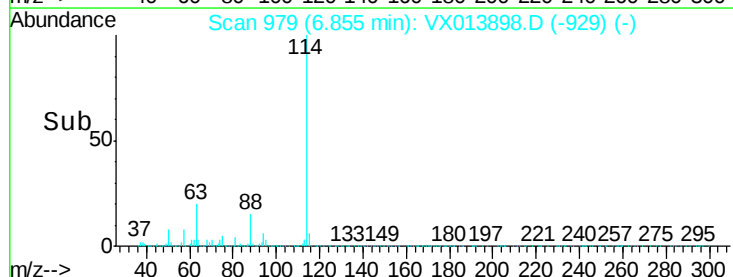
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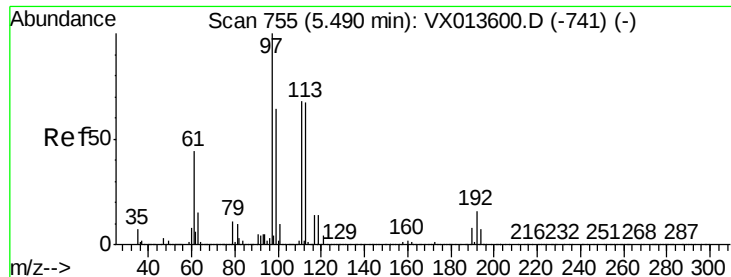
200000

100000

0

Time-->

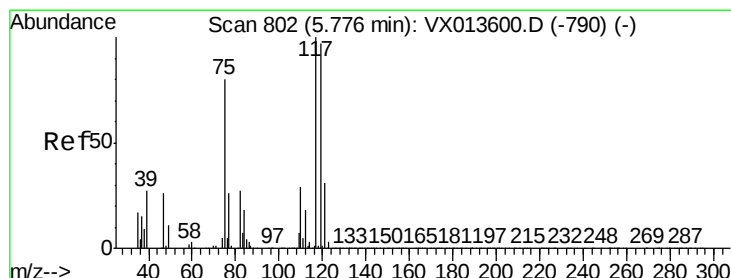
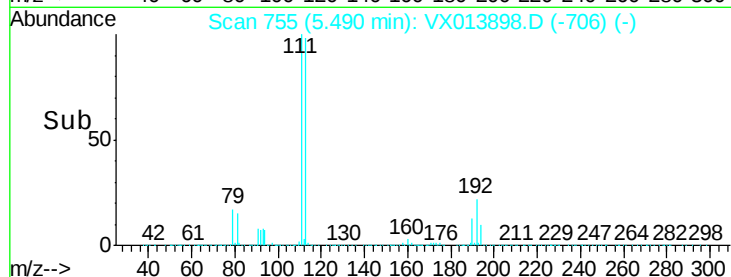
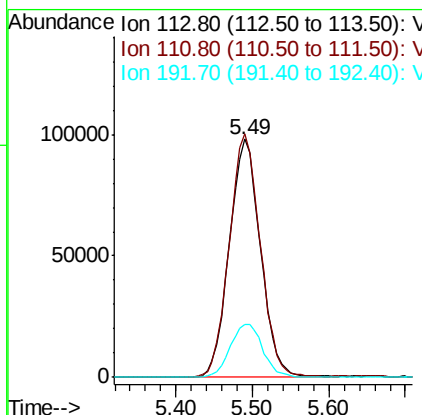
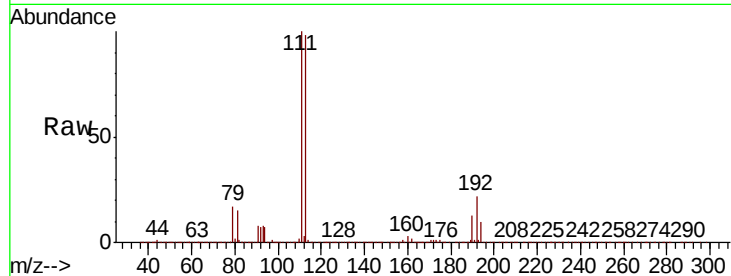




#35
Dibromofluoromethane
Concen: 48.820 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX013898.D
Acq: 10 Dec 2019 15:13

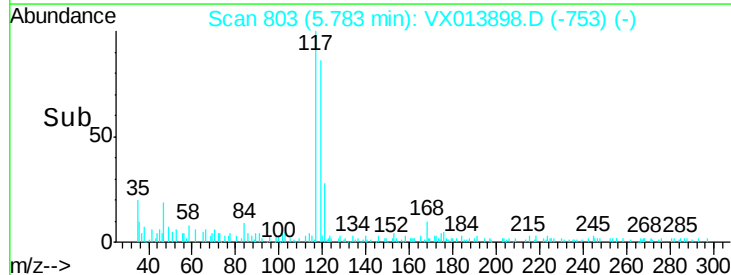
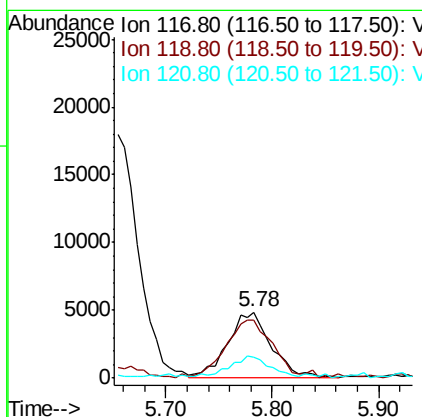
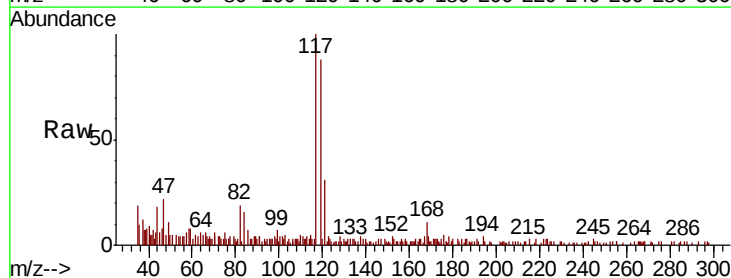
Instrument :
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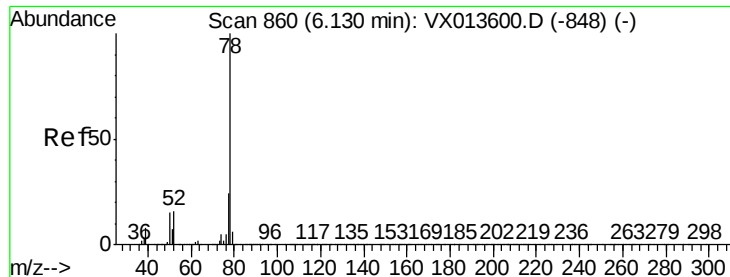
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.6	125.4
192	23.5	19.2	28.8



#38
Carbon Tetrachloride
Concen: 1.817 ug/l
RT: 5.78 min Scan# 803
Delta R.T. 0.01 min
Lab File: VX013898.D
Acq: 10 Dec 2019 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.6	77.5	116.3
121	26.7	25.0	37.6





#40

Benzene

Concen: 0.316 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

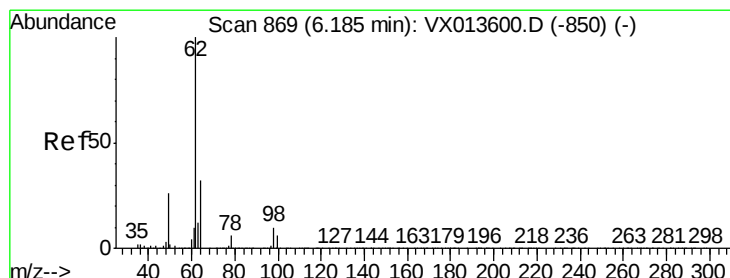
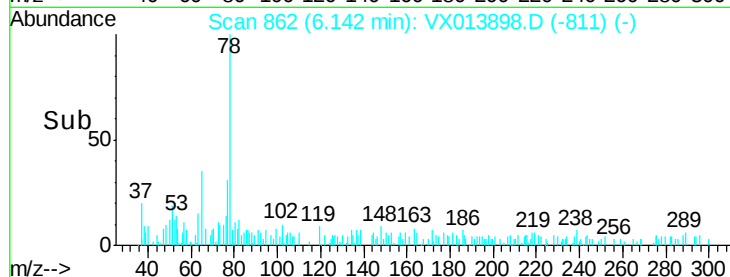
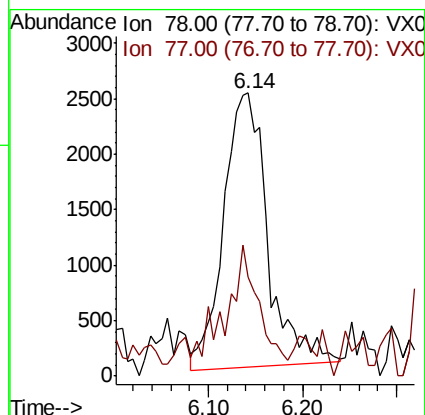
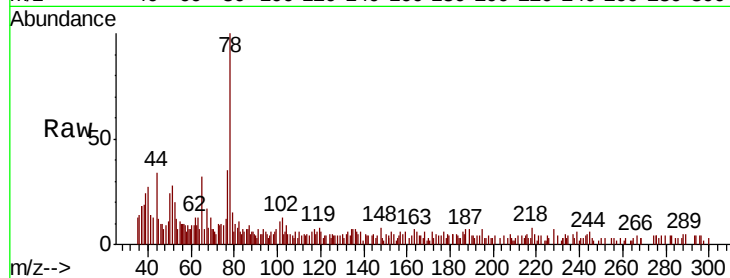
RE122D2-20191203

Tot Ion: 78 Resp: 8028

Ion Ratio Lower Upper

78 100

77 30.3 19.0 28.4#



#42

1,2-Dichloroethane

Concen: 0.691 ug/l

RT: 6.19 min Scan# 870

Delta R.T. 0.01 min

Lab File: VX013898.D

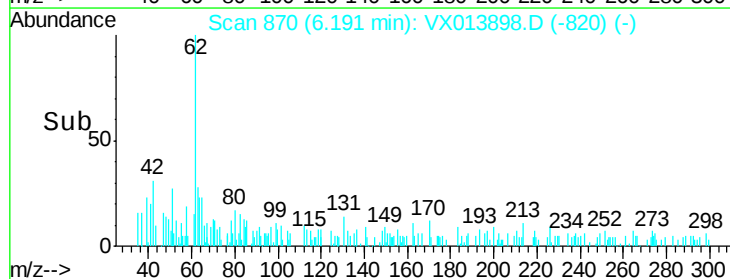
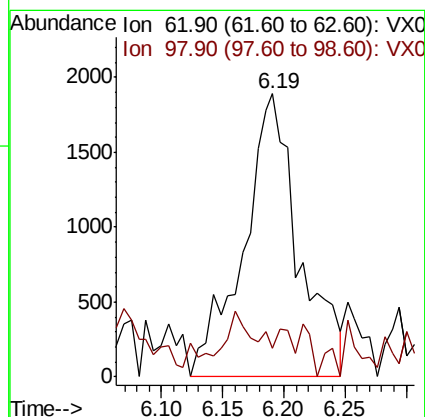
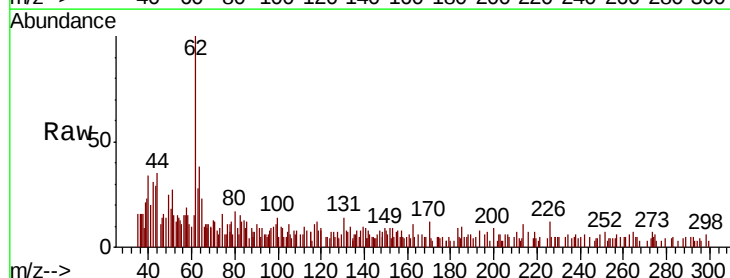
Acq: 10 Dec 2019 15:13

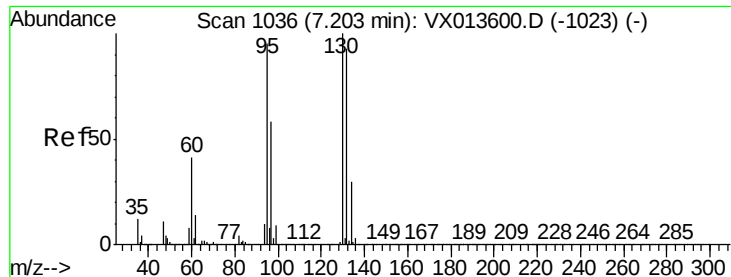
Tgt Ion: 62 Resp: 5982

Ion Ratio Lower Upper

62 100

98 0.0 0.0 20.8





#44

Trichloroethene

Concen: 2992.256 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

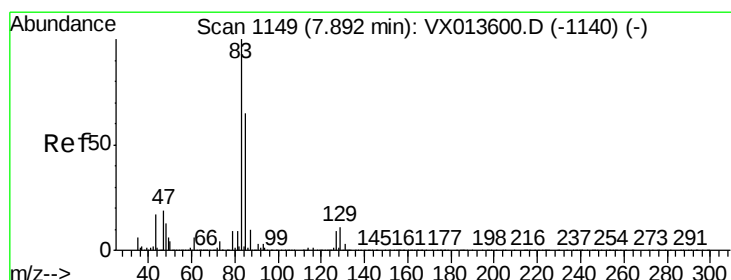
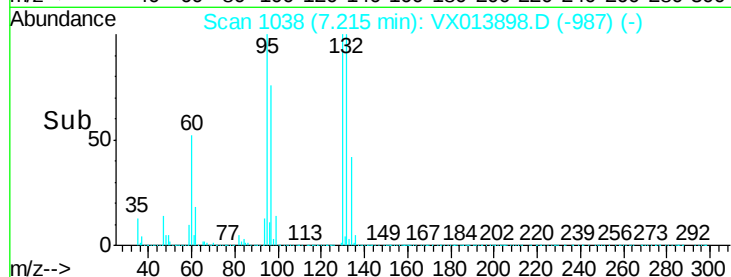
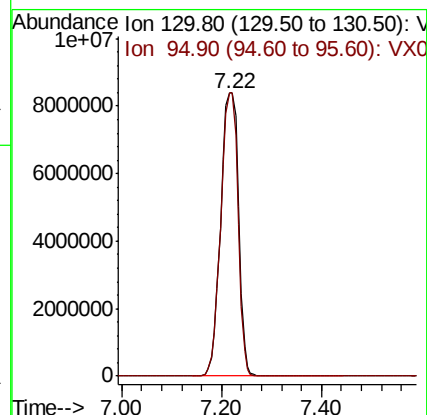
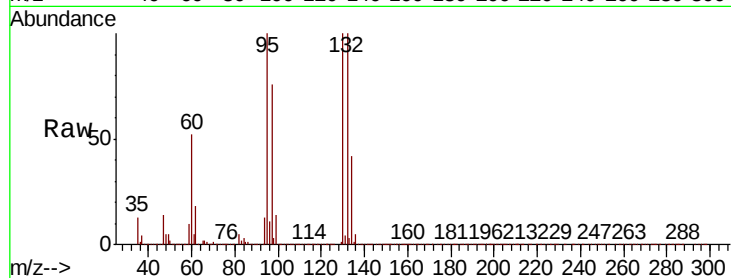
RE122D2-20191203

Tot Ion:130 Resp:20833391

Ion Ratio Lower Upper

130 100

95 100.0 0.0 190.8



#47

Bromodichloromethane

Concen: 0.379 ug/l

RT: 7.89 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

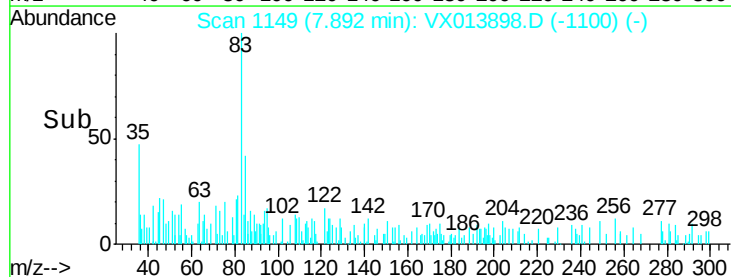
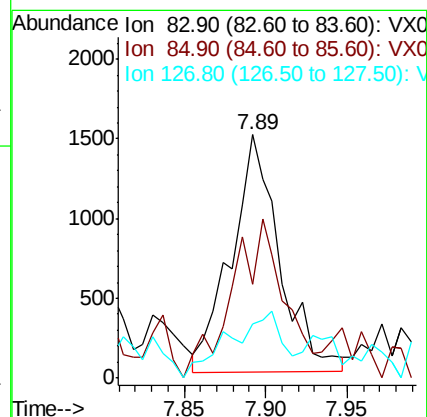
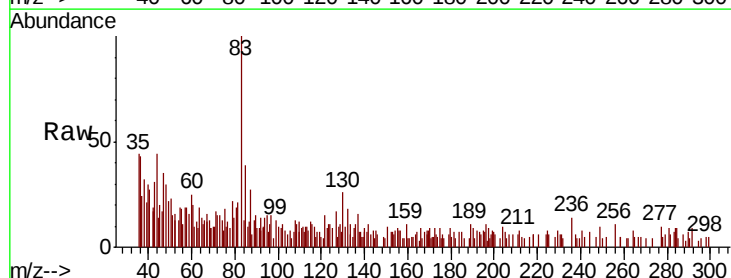
Tgt Ion: 83 Resp: 3087

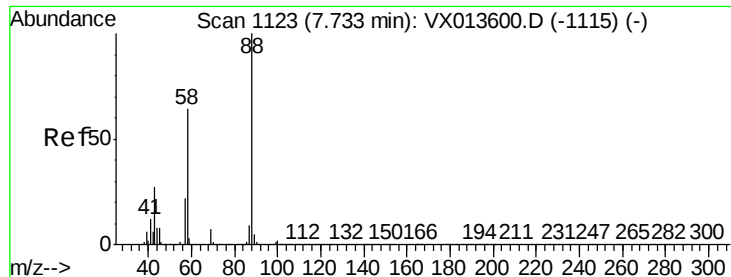
Ion Ratio Lower Upper

83 100

85 31.7 52.1 78.1#

127 18.3 7.0 10.4#





#49

1,4-Dioxane

Concen: 16.114 ug/l

RT: 7.74 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VX013898.D

Acq: 10 Dec 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20191203

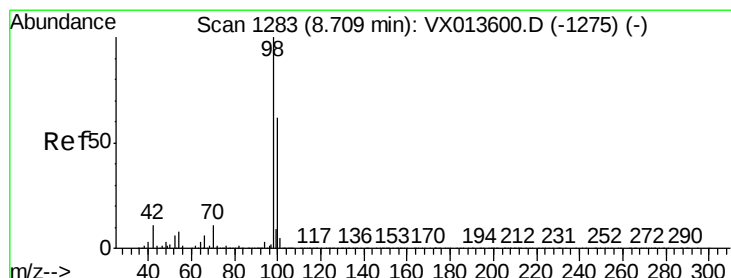
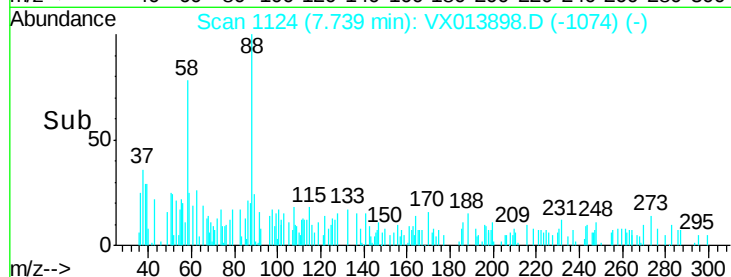
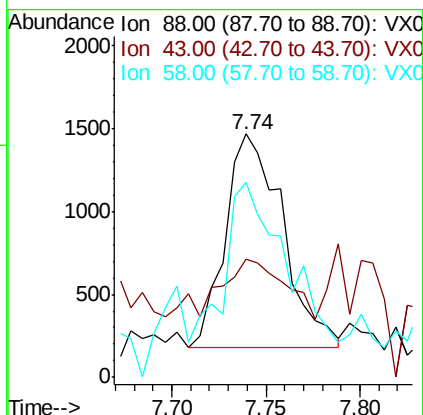
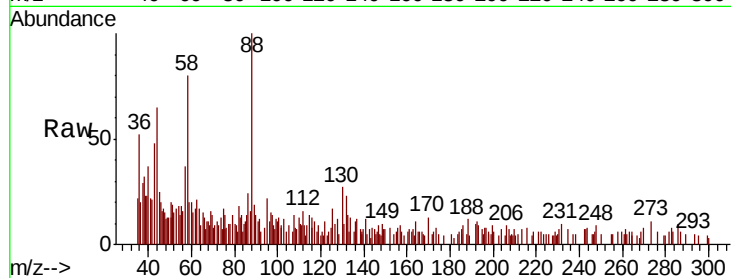
Tot Ion: 88 Resp: 2696

Ion Ratio Lower Upper

88 100

43 29.8 25.8 38.6

58 86.5 54.6 82.0#



#50

Toluene-d8

Concen: 48.446 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013898.D

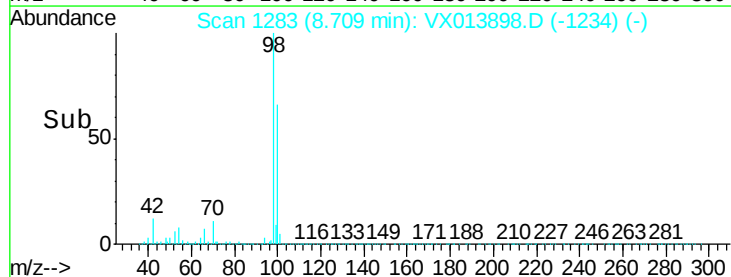
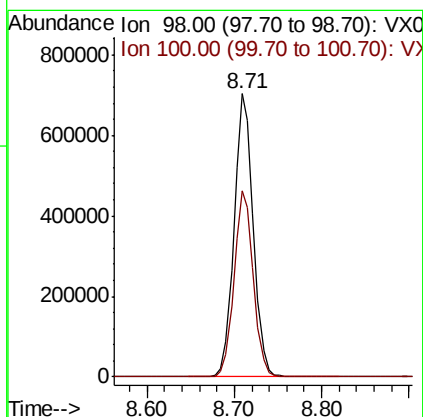
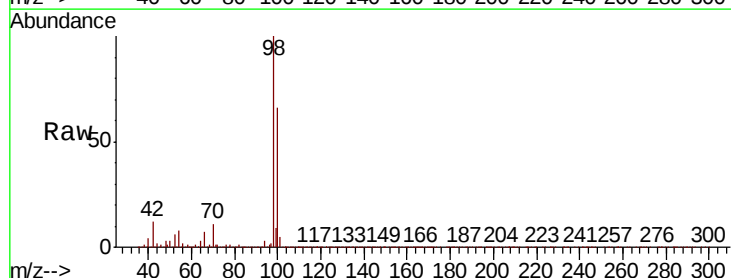
Acq: 10 Dec 2019 15:13

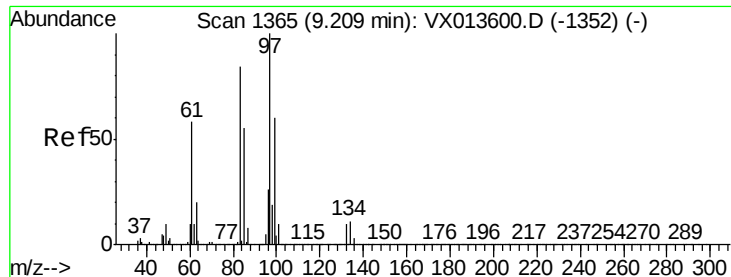
Tgt Ion: 98 Resp: 1070726

Ion Ratio Lower Upper

98 100

100 66.1 53.1 79.7

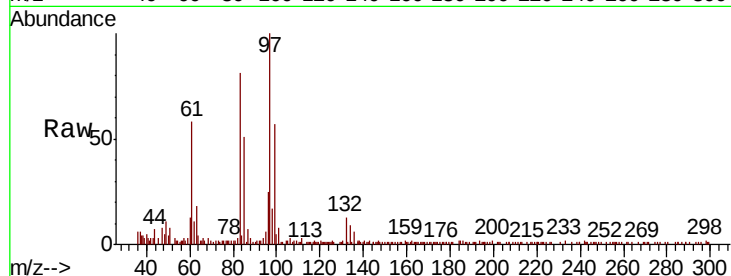




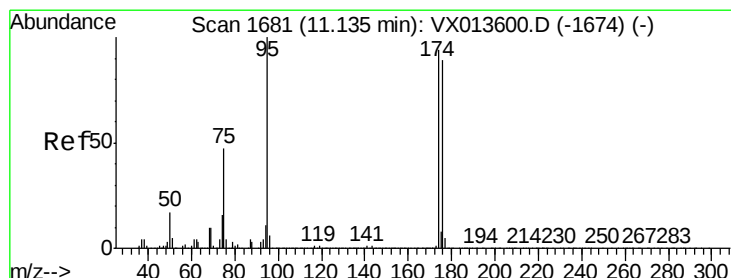
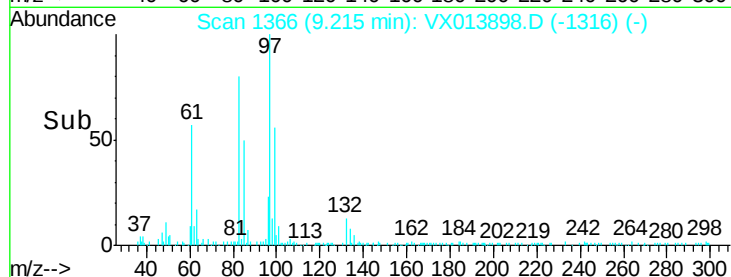
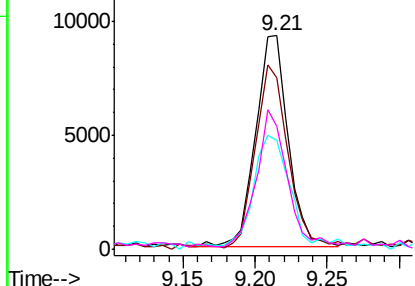
#55
 1,1,2-Trichloroethane
 Concen: 2.278 ug/l
 RT: 9.21 min Scan# 1366
 Delta R.T. 0.01 min
 Lab File: VX013898.D
 Acq: 10 Dec 2019 15:13

Instrument :
 MSVOA_X
 ClientSampleId :
 RE122D2-20191203

Tot Ion:	97	Resp:	14465
Ion	Ratio	Lower	Upper
97	100		
83	79.9	67.3	100.9
85	47.9	43.6	65.4
99	56.5	48.2	72.4

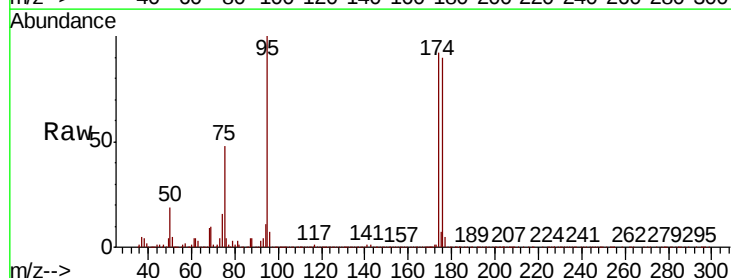


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

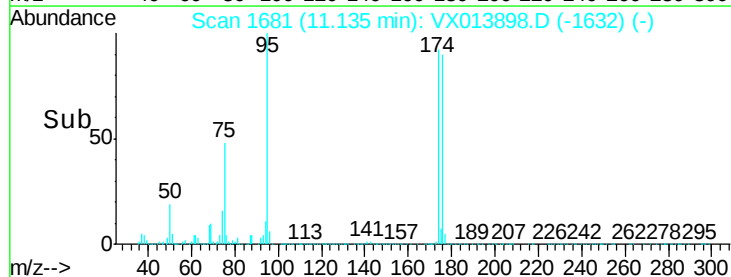
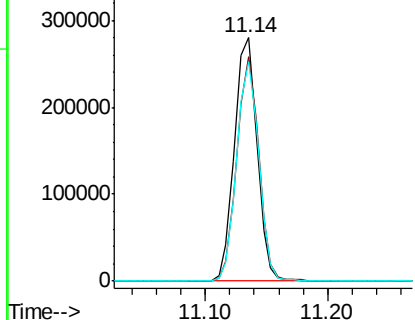


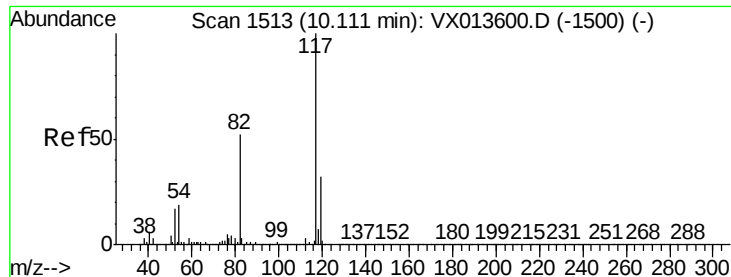
#62
 4-Bromofluorobenzene
 Concen: 44.923 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VX013898.D
 Acq: 10 Dec 2019 15:13

Tgt Ion:	95	Resp:	358033
Ion	Ratio	Lower	Upper
95	100		
174	89.2	0.0	180.0
176	87.9	0.0	173.6



Abundance Ion 94.90 (94.60 to 95.60): VX0
 Ion 173.80 (173.50 to 174.50): V
 Ion 175.80 (175.50 to 176.50): V

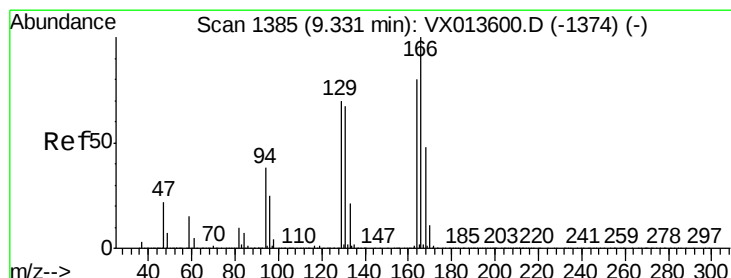
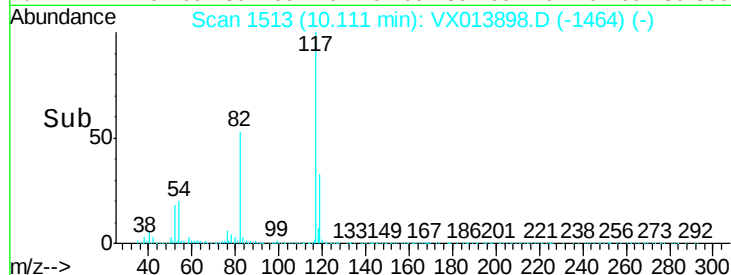
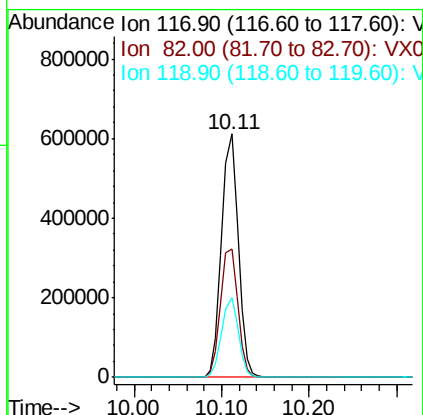
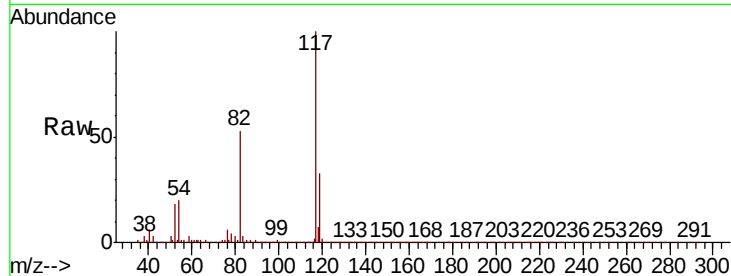




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013898.D
Acq: 10 Dec 2019 15:13

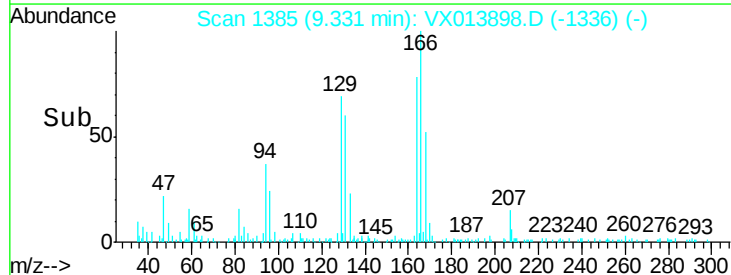
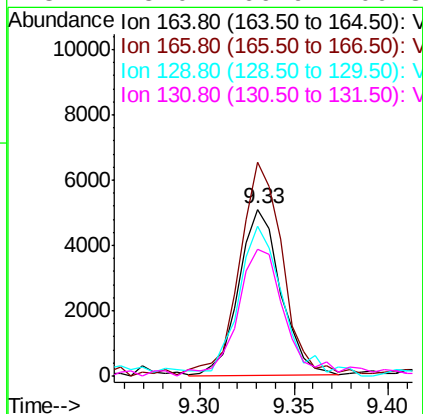
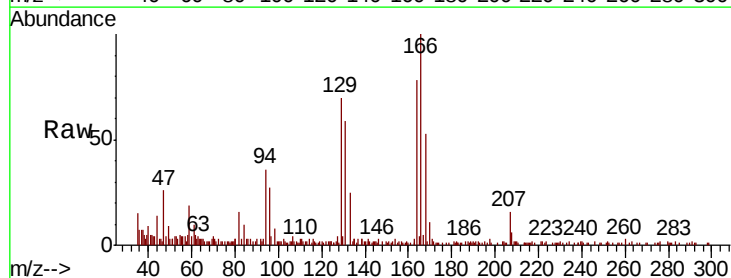
Instrument :
MSVOA_X
ClientSampleId :
RE122D2-20191203

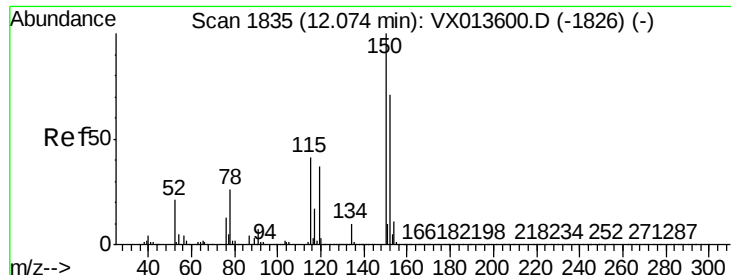
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.8	62.8
119	33.0	25.8	38.8



#64
Tetrachloroethene
Concen: 1.293 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013898.D
Acq: 10 Dec 2019 15:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	99.7	149.5
129	87.5	70.1	105.1
131	75.0	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: VX013898.D

Acq: 10 Dec 2019 15:13

Instrument :

MSVOA_X

ClientSampleId :

RE122D2-20191203

Tot Ion:152 Resp: 359021

Ion Ratio Lower Upper

152 100

115 55.6 38.4 115.1

150 155.8 0.0 346.8

