

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX031919\
 Data File : VX008197.D
 Acq On : 19 Mar 2019 18:05
 Operator : JC/SP
 Sample : K1860-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20190311

Quant Time: Mar 20 08:01:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X031919W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 06:51:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	348275	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	558182	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	477935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	194208	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	238118	45.40	ug/l	0.00
Spiked Amount			Recovery	=	90.80%	
35) Dibromofluoromethane	5.50	113	176209	47.16	ug/l	0.00
Spiked Amount			Recovery	=	94.32%	
50) Toluene-d8	8.71	98	692130	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	
62) 4-Bromofluorobenzene	11.13	95	224180	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

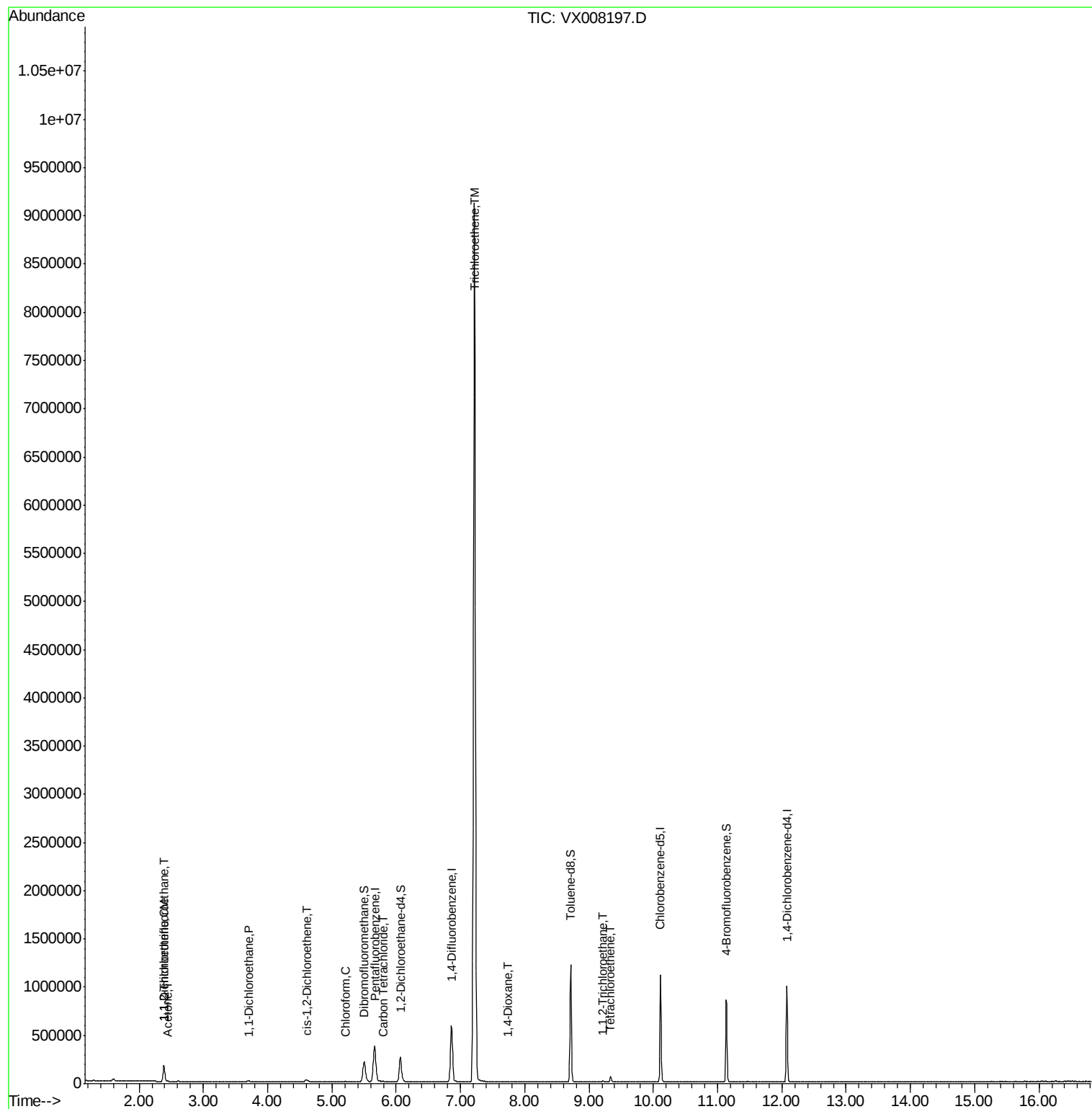
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.39	101	46769	10.449	ug/l	91
12) 1,1-Dichloroethene	2.38	96	23628	5.591	ug/l	90
16) Acetone	2.45	43	3384	1.137	ug/l #	87
24) 1,1-Dichloroethane	3.70	63	9406	1.015	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	11519	2.213	ug/l	95
30) Chloroform	5.21	83	3417	0.394	ug/l	86
38) Carbon Tetrachloride	5.80	117	2203	0.380	ug/l #	82
44) Trichloroethene	7.22	130	3299041	701.459	ug/l	90
49) 1,4-Dioxane	7.74	88	2593	22.443	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	2801	0.608	ug/l	95
64) Tetrachloroethene	9.33	164	10421	2.417	ug/l	96

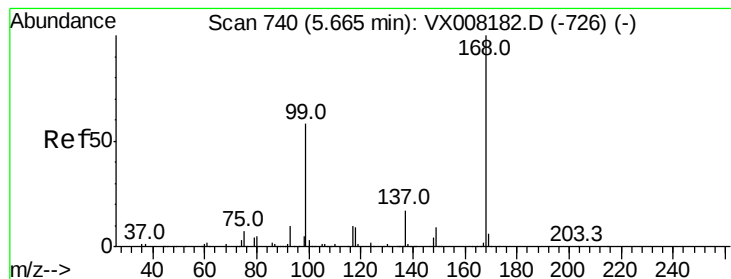
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008197.D

Acq: 19 Mar 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

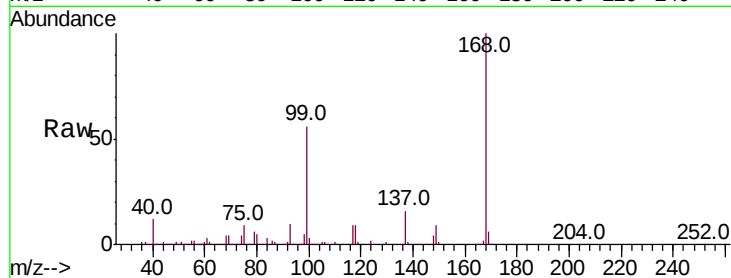
RE120D1-20190311

Tot Ion:168 Resp: 348275

Ion Ratio Lower Upper

168 100

99 56.3 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

150000

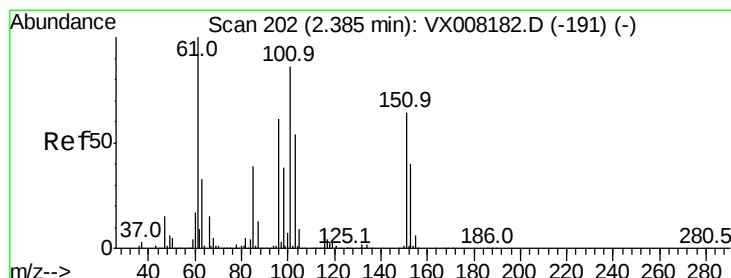
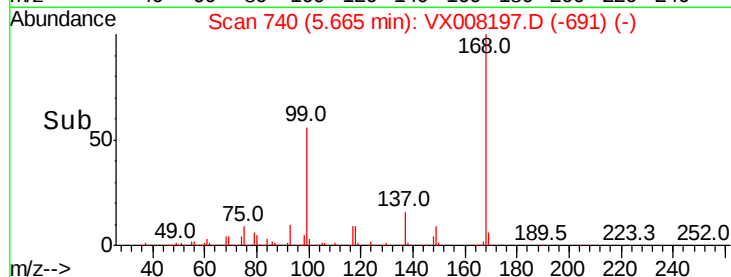
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.449 ug/l

RT: 2.39 min Scan# 203

Delta R.T. 0.01 min

Lab File: VX008197.D

Acq: 19 Mar 2019 18:05

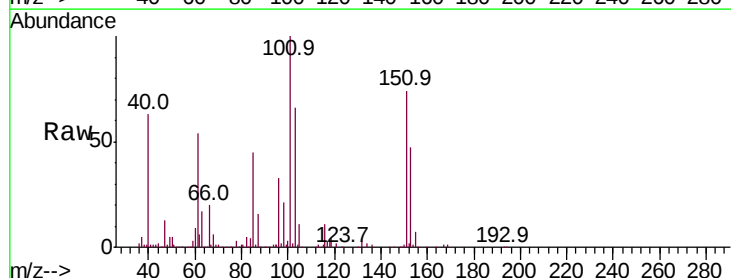
Tgt Ion:101 Resp: 46769

Ion Ratio Lower Upper

101 100

85 45.8 33.8 50.6

151 76.0 69.1 103.7



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

2.39

30000

25000

20000

15000

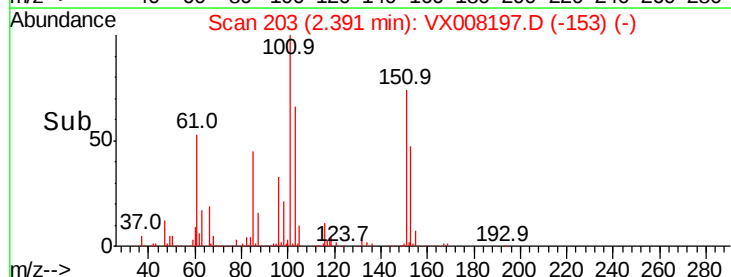
10000

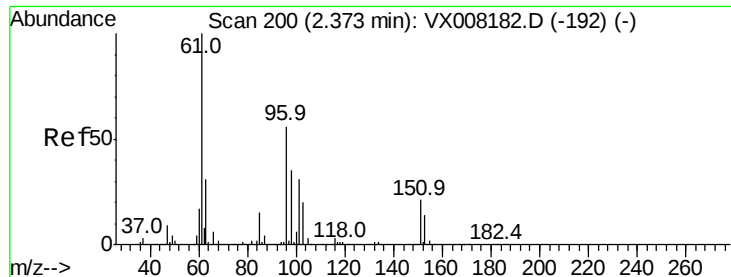
5000

0

Time-->

2.30 2.40 2.50





#12

1,1-Dichloroethene

Concen: 5.591 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX008197.D

Acq: 19 Mar 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190311

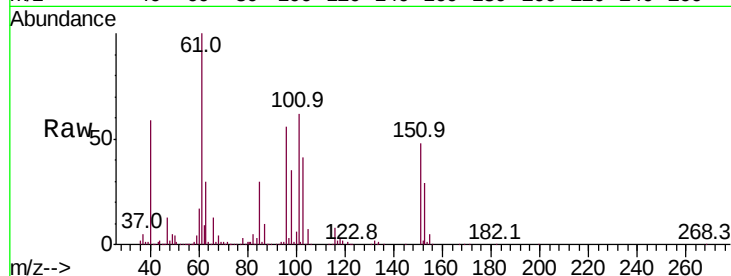
Tot Ion: 96 Resp: 23628

Ion Ratio Lower Upper

96 100

61 179.6 129.8 194.6

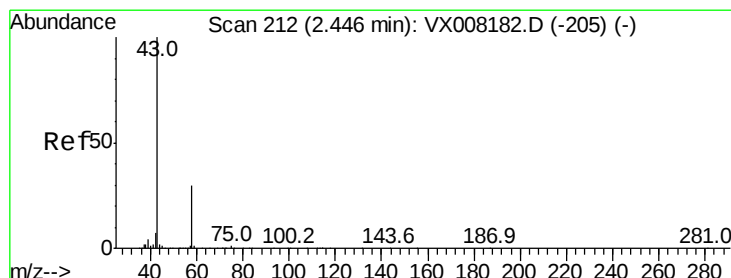
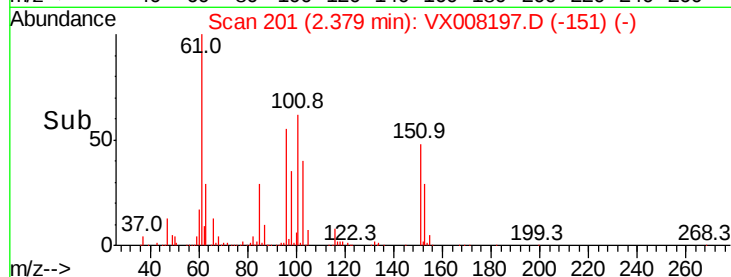
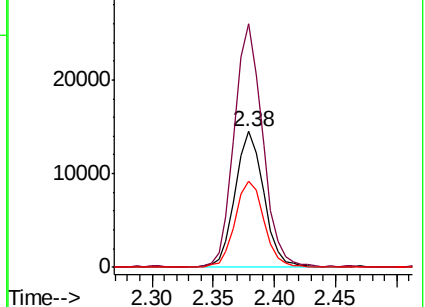
98 63.3 51.0 76.6



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: 1.137 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX008197.D

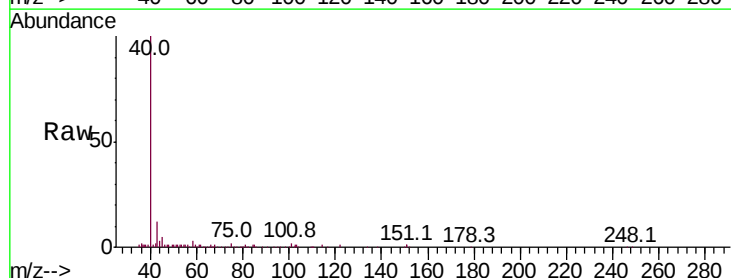
Acq: 19 Mar 2019 18:05

Tgt Ion: 43 Resp: 3384

Ion Ratio Lower Upper

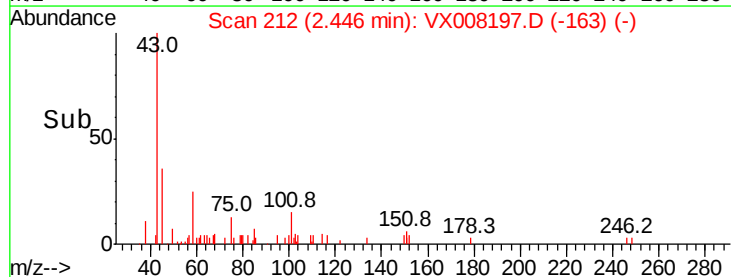
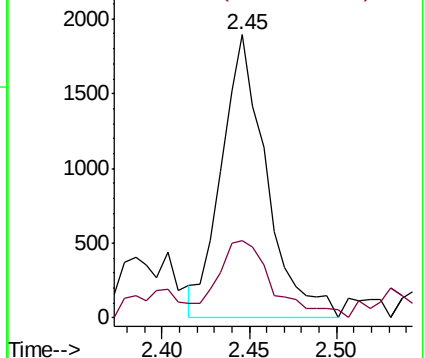
43 100

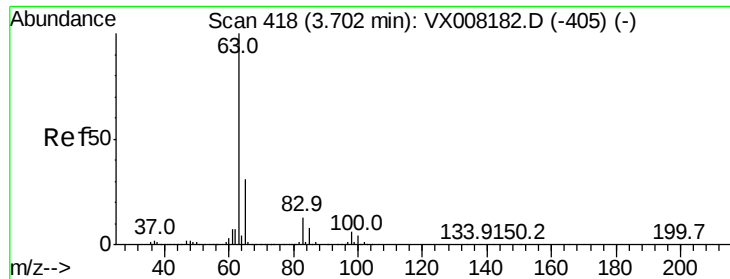
58 24.4 25.5 38.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#24

1,1-Dichloroethane

Concen: 1.015 ug/l

RT: 3.70 min Scan# 418

Delta R.T. -0.00 min

Lab File: VX008197.D

Acq: 19 Mar 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190311

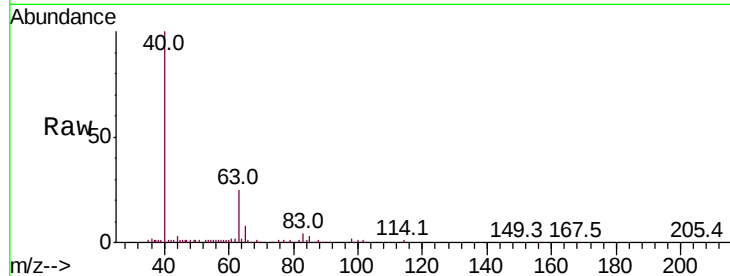
Tot Ion: 63 Resp: 9406

Ion Ratio Lower Upper

63 100

98 5.6 3.3 9.8

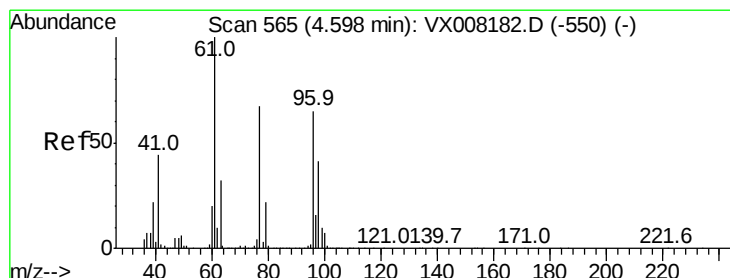
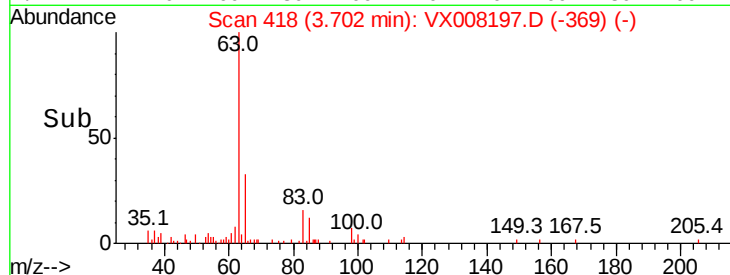
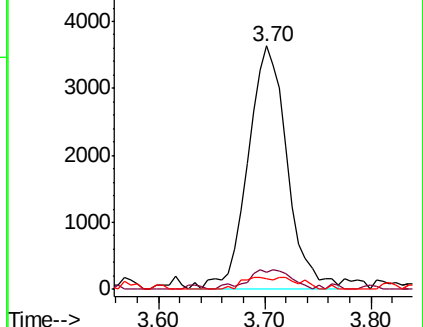
100 4.2 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0



#27

cis-1,2-Dichloroethene

Concen: 2.213 ug/l

RT: 4.60 min Scan# 565

Delta R.T. -0.00 min

Lab File: VX008197.D

Acq: 19 Mar 2019 18:05

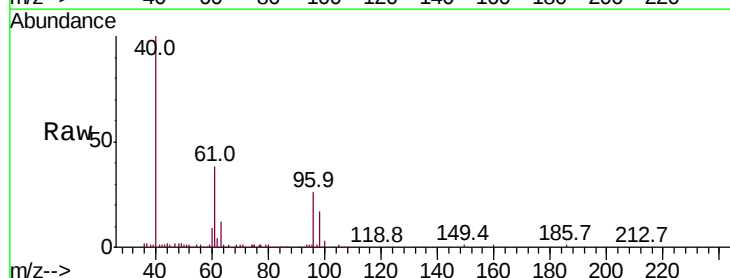
Tgt Ion: 96 Resp: 11519

Ion Ratio Lower Upper

96 100

61 136.0 0.0 288.0

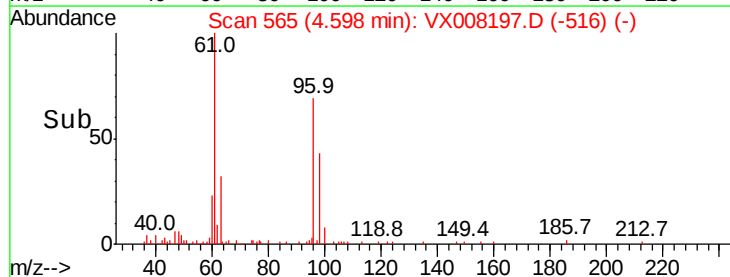
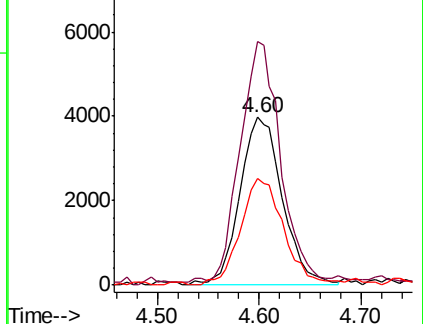
98 64.1 0.0 129.0

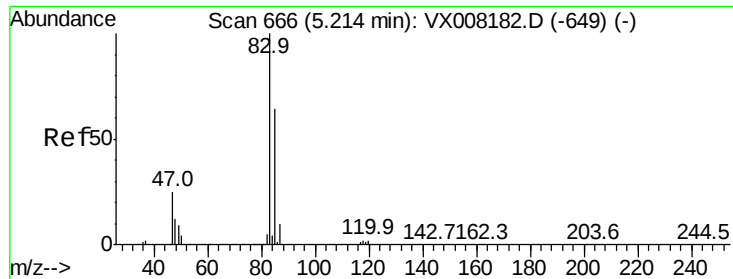


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

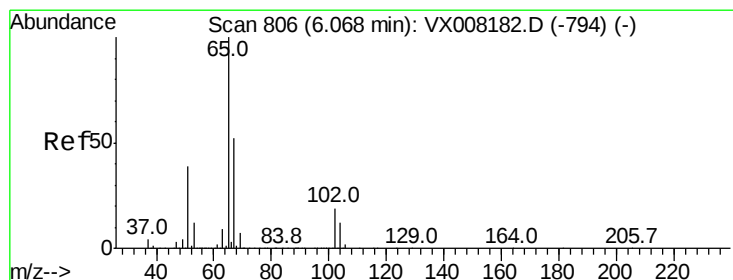
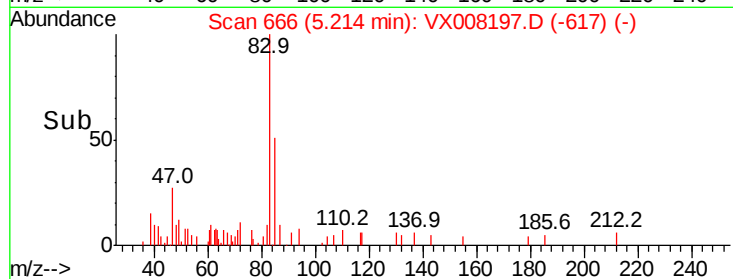
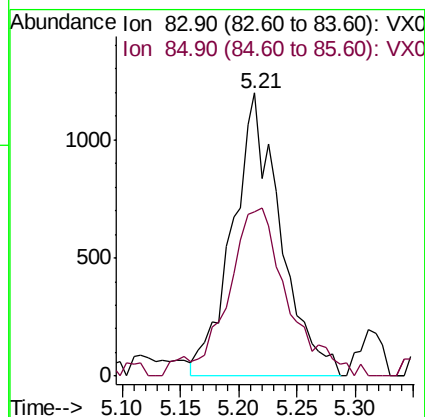
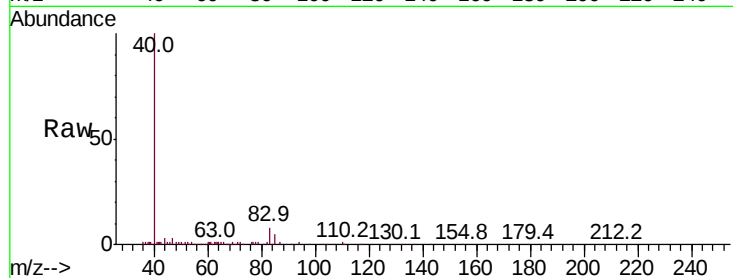




#30
Chloroform
Concen: 0.394 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008197.D
Acq: 19 Mar 2019 18:05

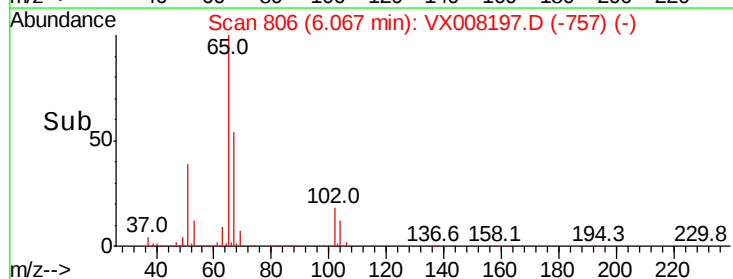
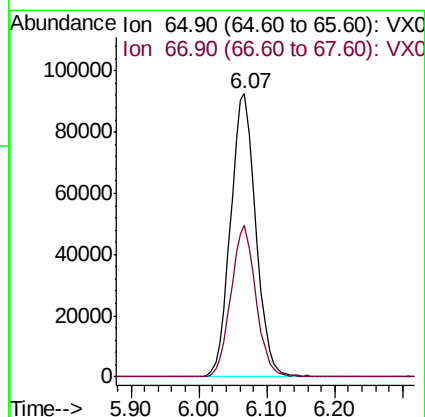
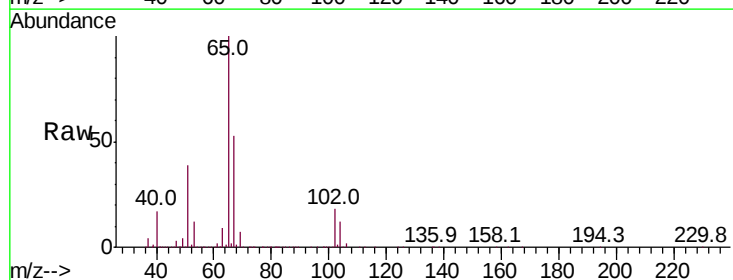
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190311

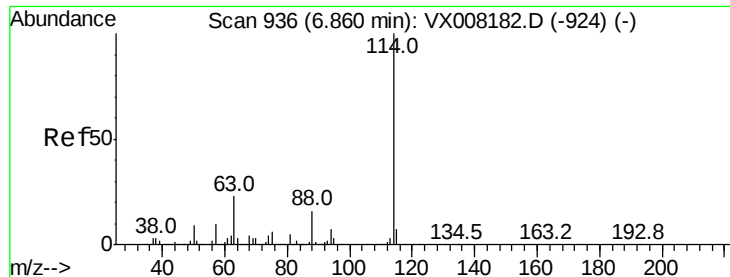
Tot Ion: 83 Resp: 3417
Ion Ratio Lower Upper
83 100
85 53.7 51.8 77.6



#33
1,2-Dichloroethane-d4
Concen: 45.396 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX008197.D
Acq: 19 Mar 2019 18:05

Tgt Ion: 65 Resp: 238118
Ion Ratio Lower Upper
65 100
67 52.3 0.0 110.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008197.D

Acq: 19 Mar 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190311

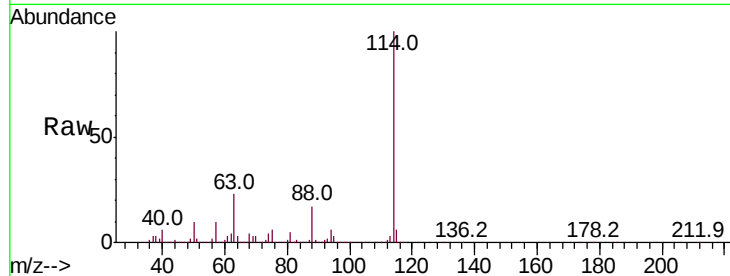
Tot Ion:114 Resp: 558182

Ion Ratio Lower Upper

114 100

63 22.8 0.0 39.8

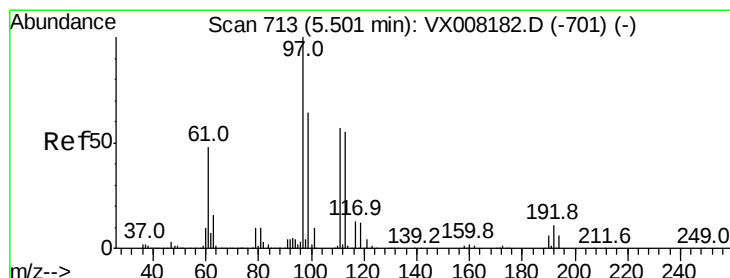
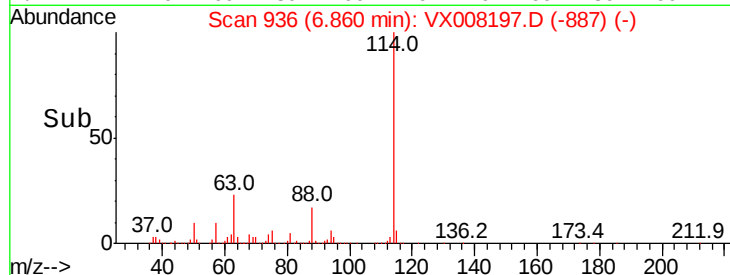
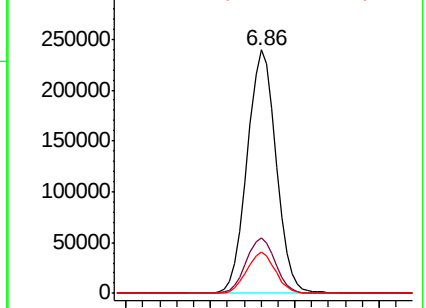
88 16.8 0.0 31.4



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: 47.157 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008197.D

Acq: 19 Mar 2019 18:05

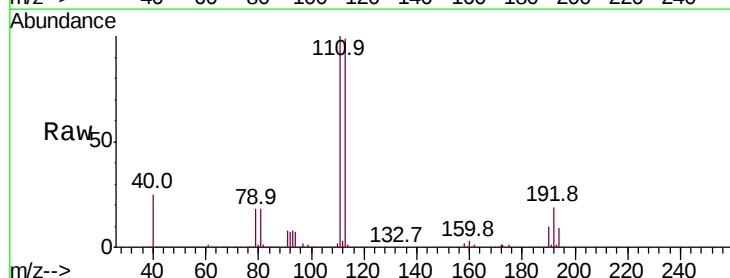
Tgt Ion:113 Resp: 176209

Ion Ratio Lower Upper

113 100

111 102.1 81.4 122.0

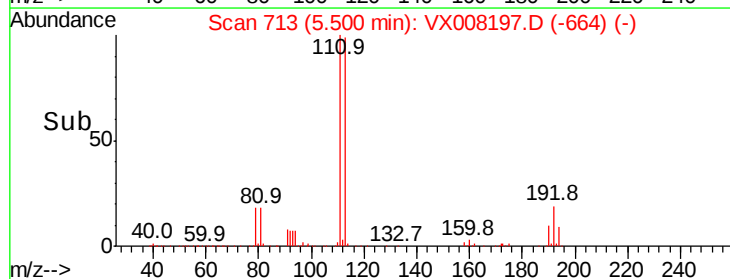
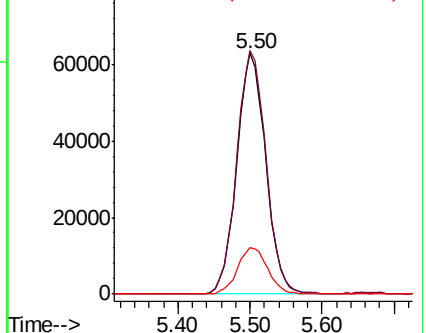
192 20.1 19.4 29.0

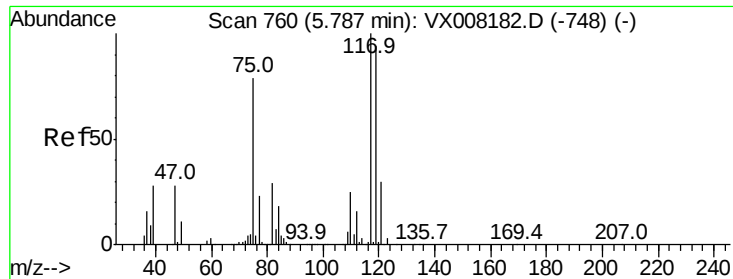


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

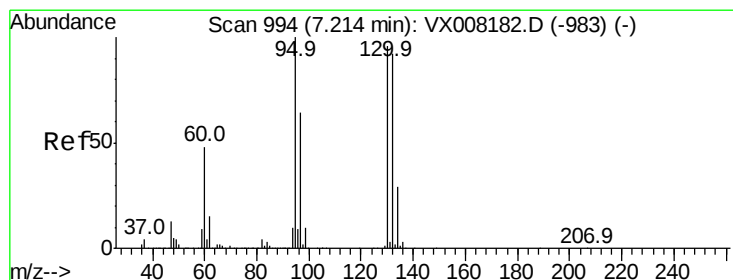
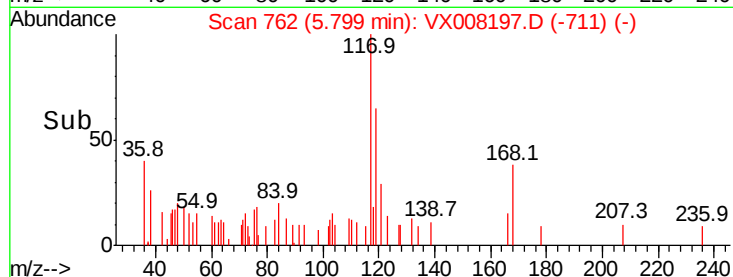
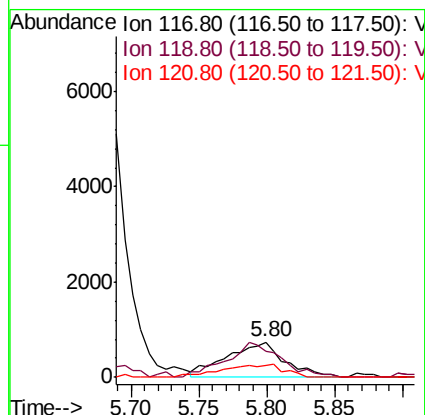
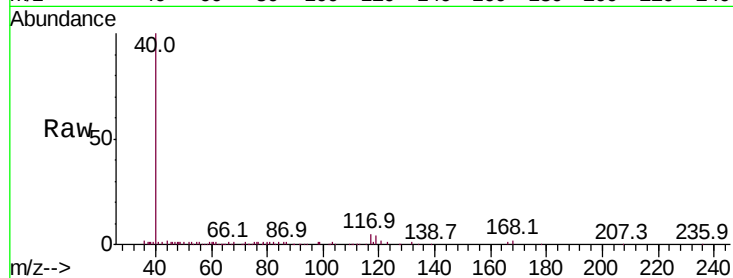




#38
Carbon Tetrachloride
Concen: 0.380 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.01 min
Lab File: VX008197.D
Acq: 19 Mar 2019 18:05

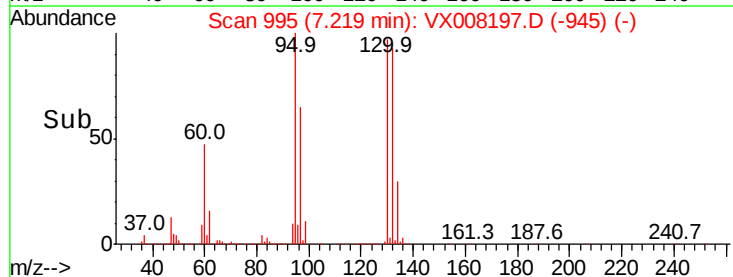
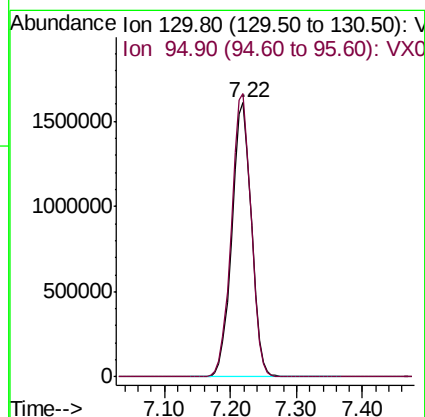
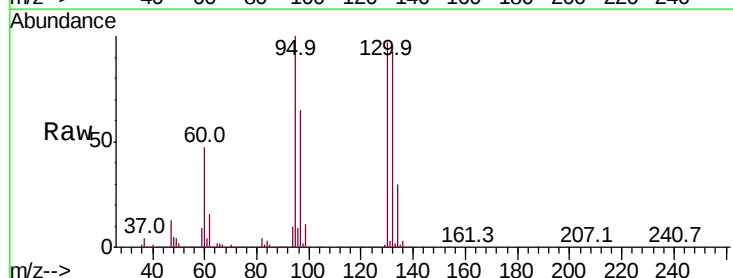
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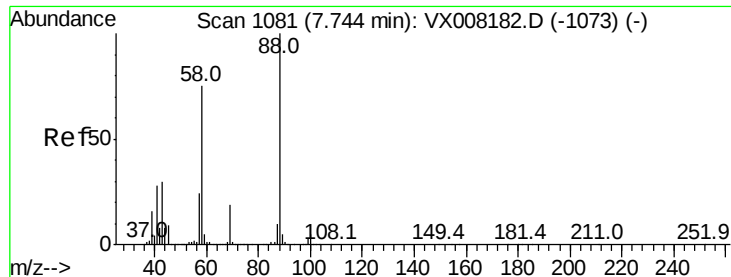
Tot Ion:117 Resp: 2203
Ion Ratio Lower Upper
117 100
119 73.2 76.2 114.2#
121 33.0 24.6 36.8



#44
Trichloroethene
Concen: 701.459 ug/l
RT: 7.22 min Scan# 995
Delta R.T. 0.01 min
Lab File: VX008197.D
Acq: 19 Mar 2019 18:05

Tgt Ion:130 Resp: 3299041
Ion Ratio Lower Upper
130 100
95 103.3 0.0 188.0

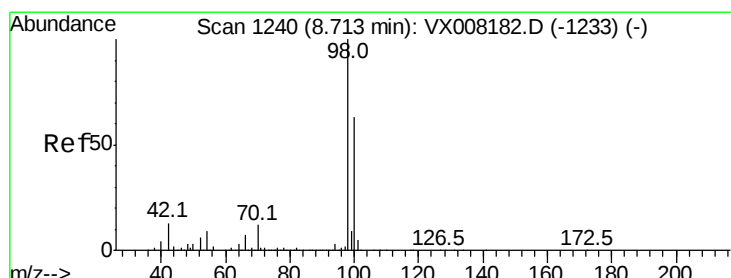
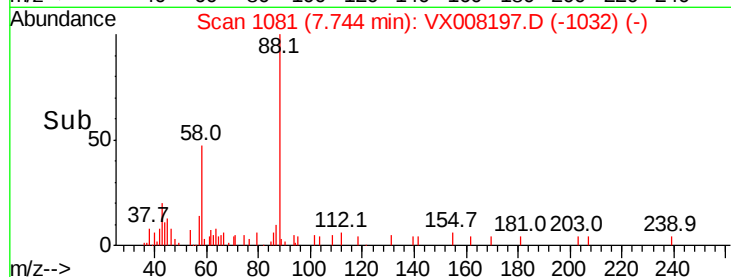
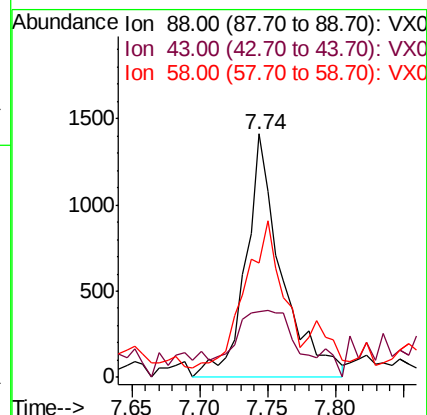
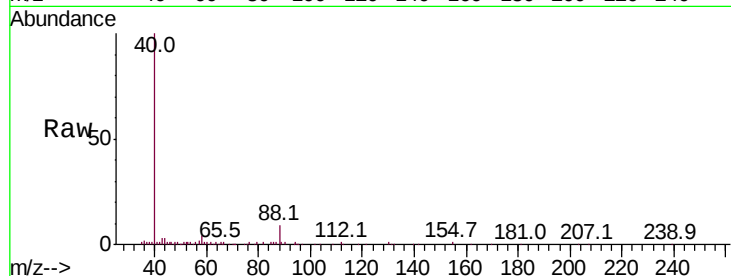




#49
1,4-Dioxane
Concen: 22.443 ug/l
RT: 7.74 min Scan# 1081
Delta R.T. -0.00 min
Lab File: VX008197.D
Acq: 19 Mar 2019 18:05

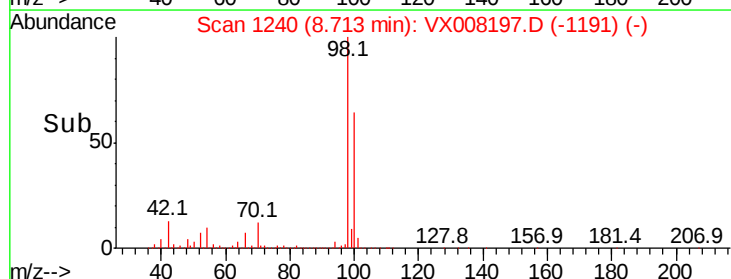
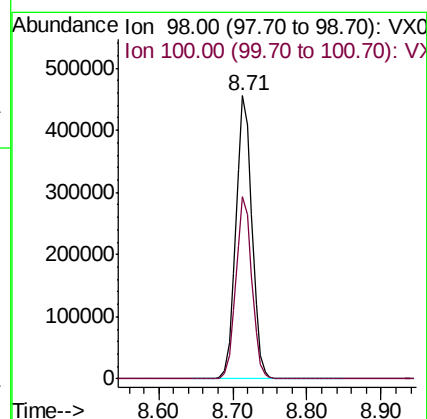
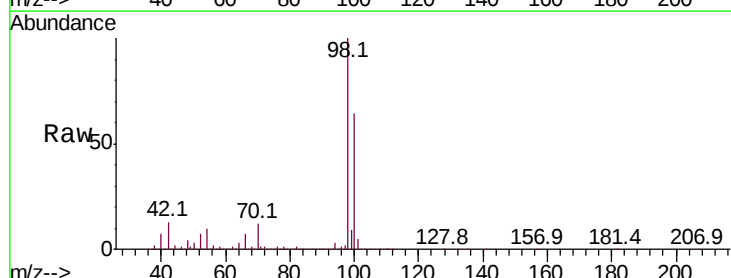
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MSVOA_X
ClientSampleId :
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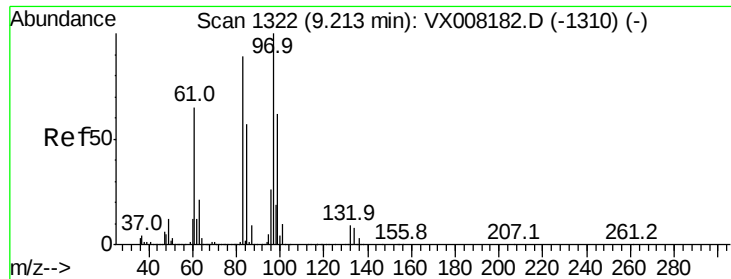
Tot Ion: 88 Resp: 2593
Ion Ratio Lower Upper
88 100
43 29.0 25.1 37.7
58 66.1 57.8 86.6



#50
Toluene-d8
Concen: 48.855 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008197.D
Acq: 19 Mar 2019 18:05

Tgt Ion: 98 Resp: 692130
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5

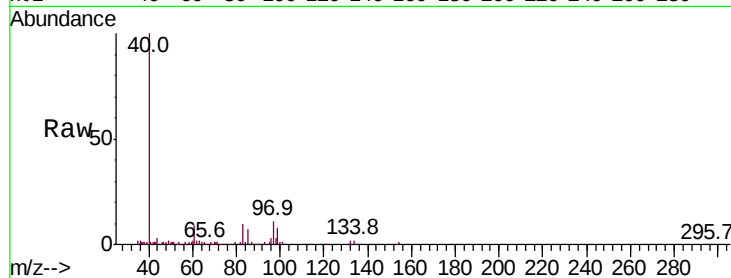




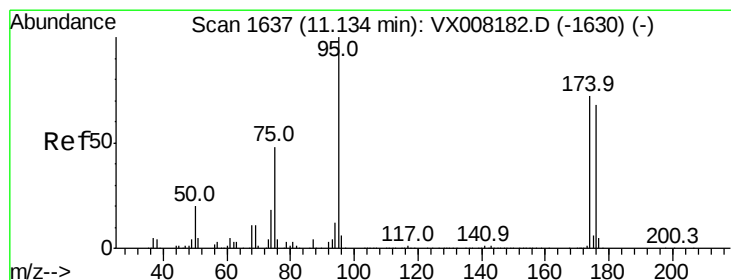
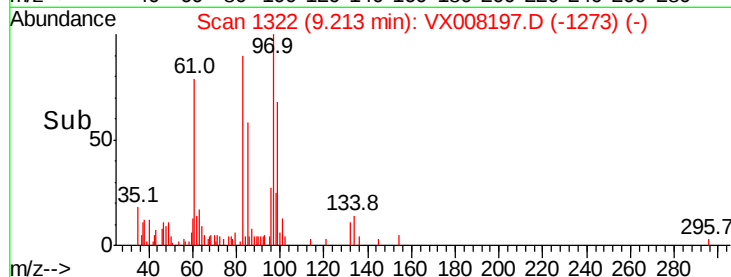
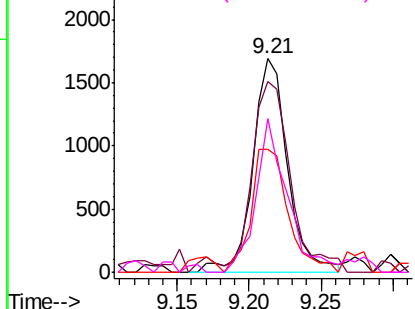
#55
 1,1,2-Trichloroethane
 Concen: 0.608 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX008197.D
 Acq: 19 Mar 2019 18:05

Instrument :
 MSVOA_X
 ClientSampleId :
 RE120D1-20190311

Tot Ion:	97	Resp:	2801
Ion	Ratio	Lower	Upper
97	100		
83	89.5	69.1	103.7
85	57.8	44.3	66.5
99	68.9	49.8	74.8

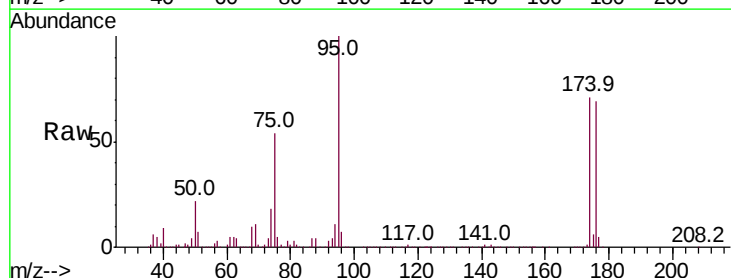


Abundance Ion 96.90 (96.60 to 97.60): VX0
 Ion 82.90 (82.60 to 83.60): VX0
 Ion 84.90 (84.60 to 85.60): VX0
 Ion 98.90 (98.60 to 99.60): VX0

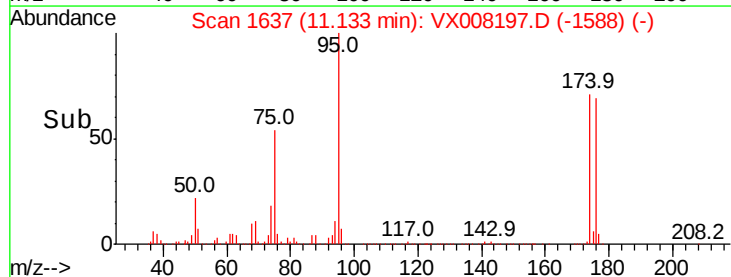
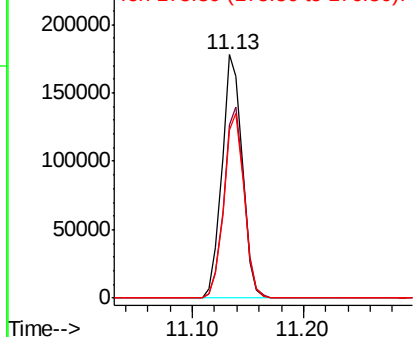


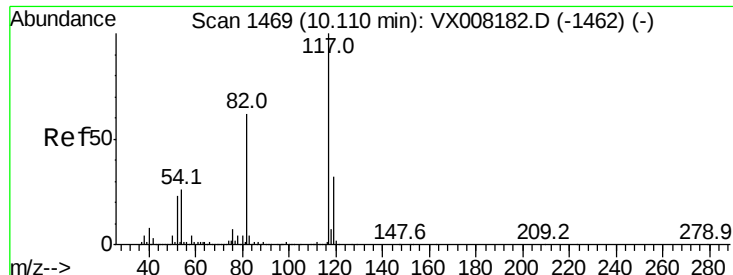
#62
 4-Bromofluorobenzene
 Concen: 45.958 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX008197.D
 Acq: 19 Mar 2019 18:05

Tgt Ion:	95	Resp:	224180
Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	182.8
176	75.7	0.0	178.0



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

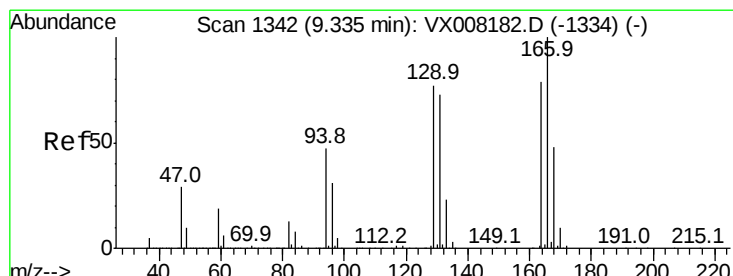
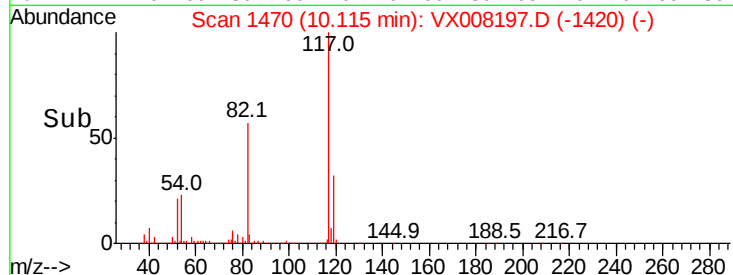
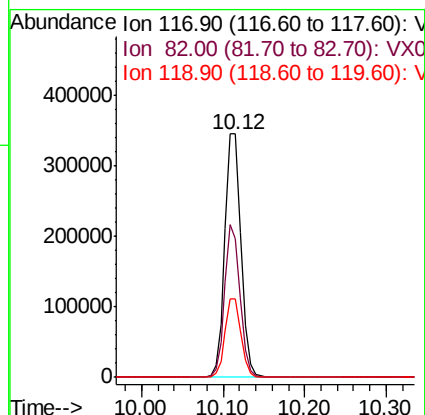
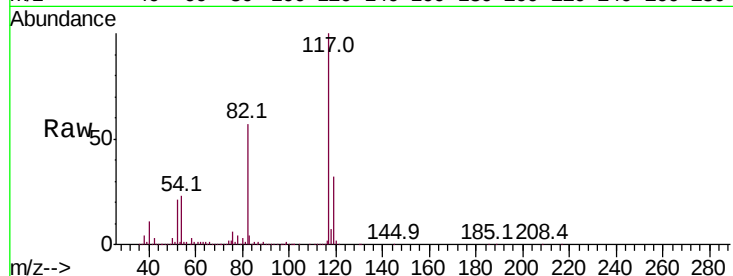




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008197.D
Acq: 19 Mar 2019 18:05

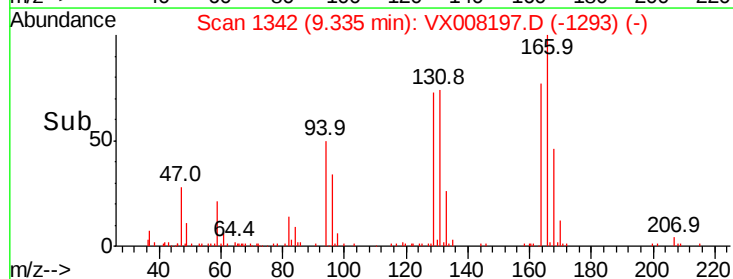
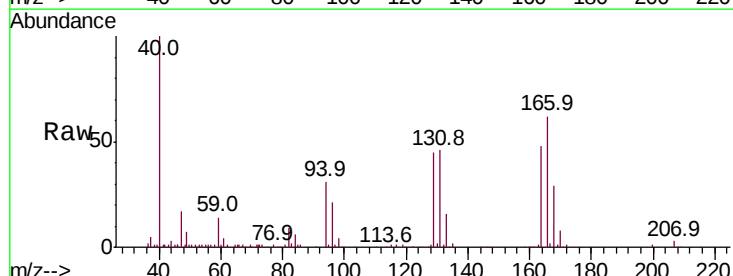
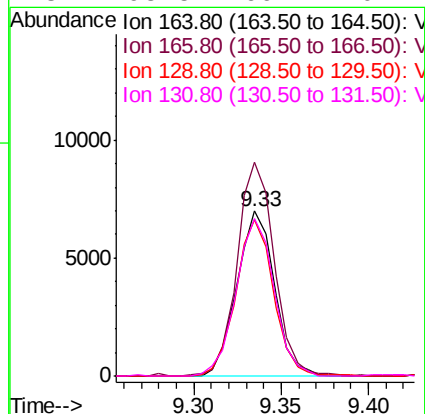
Instrument :
MSVOA_X
ClientSampleId :
RE120D1-20190311

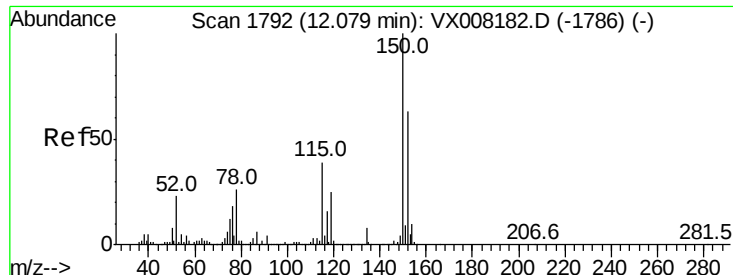
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	44.3	66.5
119	32.4	25.3	37.9



#64
Tetrachloroethene
Concen: 2.417 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008197.D
Acq: 19 Mar 2019 18:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.0	103.4	155.0
129	94.9	72.2	108.4
131	95.5	69.4	104.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008197.D

Acq: 19 Mar 2019 18:05

Instrument :

MSVOA_X

ClientSampleId :

RE120D1-20190311

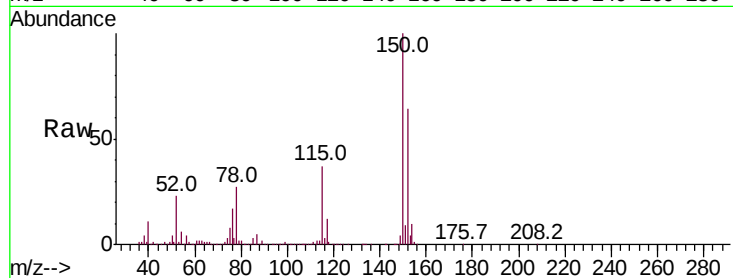
Tot Ion:152 Resp: 194208

Ion Ratio Lower Upper

152 100

115 59.9 38.6 115.7

150 156.5 0.0 348.4



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

