

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052618\
 Data File : VX002022.D
 Acq On : 26 May 2018 16:46
 Operator : JC/MD
 Sample : J3118-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW731-180521

Quant Time: May 28 01:47:55 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 24 13:09:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	303586	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	409623	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358447	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	187950	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	228069	42.03	ug/l	0.00
Spiked Amount			Recovery	=	84.06%	
35) Dibromofluoromethane	5.51	113	180652	44.10	ug/l	0.00
Spiked Amount			Recovery	=	88.20%	
50) Toluene-d8	8.72	98	682917	46.05	ug/l	0.00
Spiked Amount			Recovery	=	92.10%	
62) 4-Bromofluorobenzene	11.14	95	233471	40.24	ug/l	0.00
Spiked Amount			Recovery	=	80.48%	

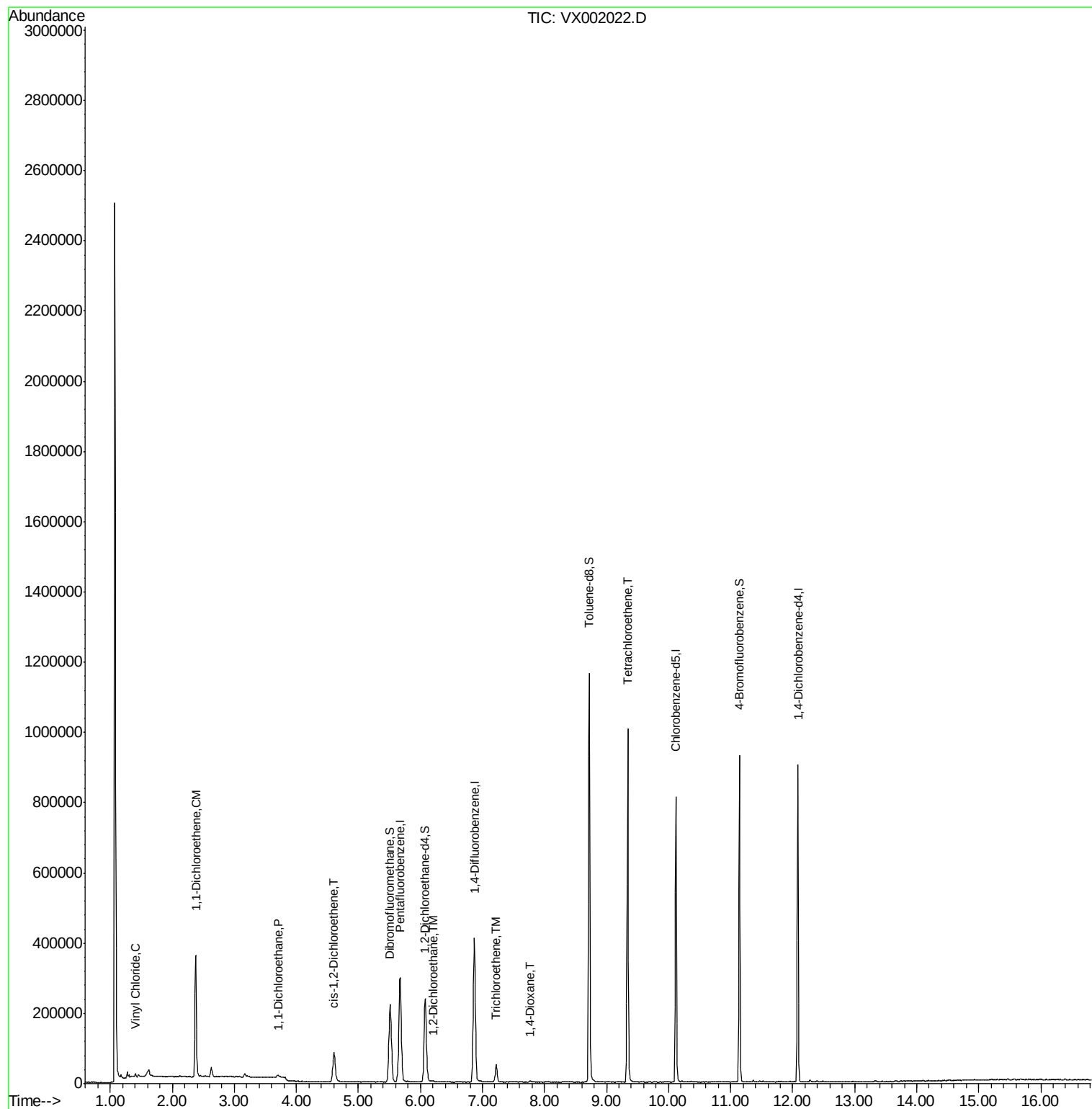
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2971	0.66	ug/l	98
12) 1,1-Dichloroethene	2.38	96	117770	33.28	ug/l	98
24) 1,1-Dichloroethane	3.70	63	7162	1.00	ug/l	97
27) cis-1,2-Dichloroethene	4.60	96	48488	10.51	ug/l	97
42) 1,2-Dichloroethane	6.21	62	3519	0.53	ug/l	97
44) Trichloroethene	7.22	130	18804	3.87	ug/l	98
49) 1,4-Dioxane	7.77	88	2576	23.21	ug/l #	91
64) Tetrachloroethene	9.34	164	198017	38.53	ug/l	100

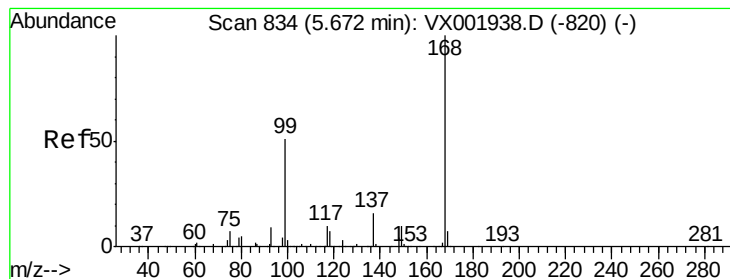
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002022.D

Acq: 26 May 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

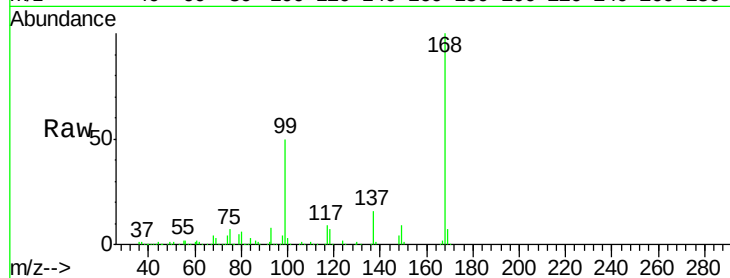
SS052MW731-180521

Tot Ion:168 Resp: 303586

Ion Ratio Lower Upper

168 100

99 50.4 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

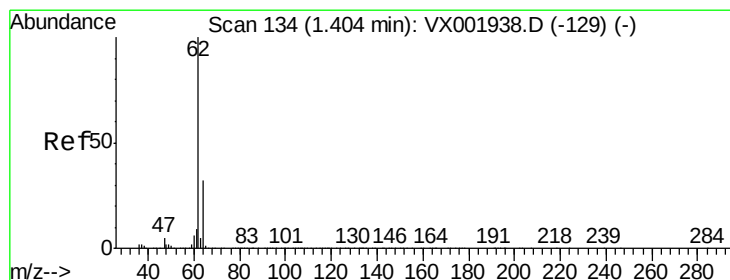
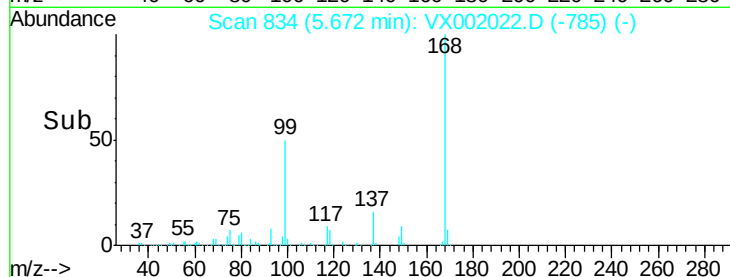
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80 5.90



#4

Vinyl Chloride

Concen: 0.66 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX002022.D

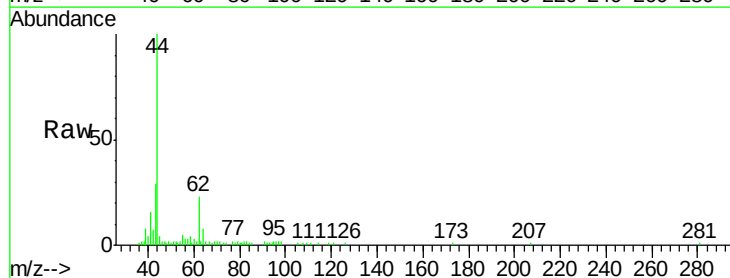
Acq: 26 May 2018 16:46

Tgt Ion: 62 Resp: 2971

Ion Ratio Lower Upper

62 100

64 30.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

2500

2000

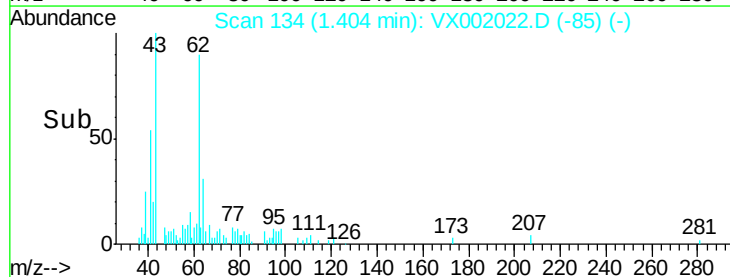
1500

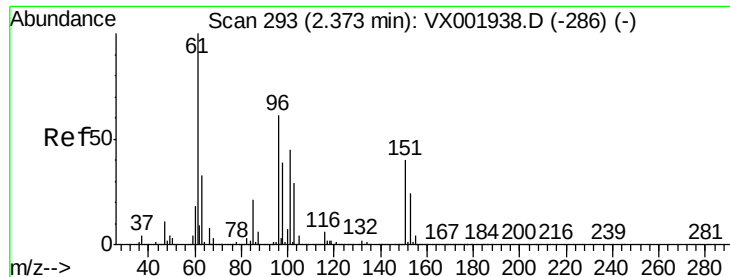
1000

500

0

Time--> 1.35 1.40 1.45





#12

1,1-Dichloroethene

Concen: 33.28 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.01 min

Lab File: VX002022.D

Acq: 26 May 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

SS052MW731-180521

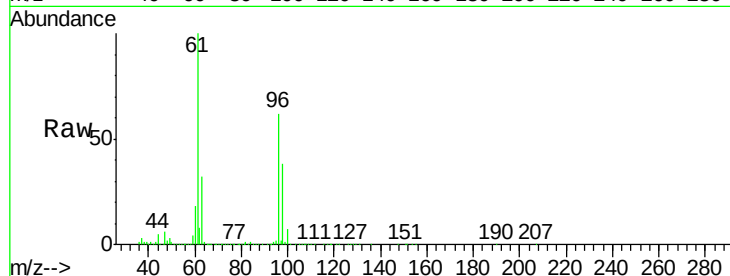
Tot Ion: 96 Resp: 117770

Ion Ratio Lower Upper

96 100

61 162.2 131.7 197.5

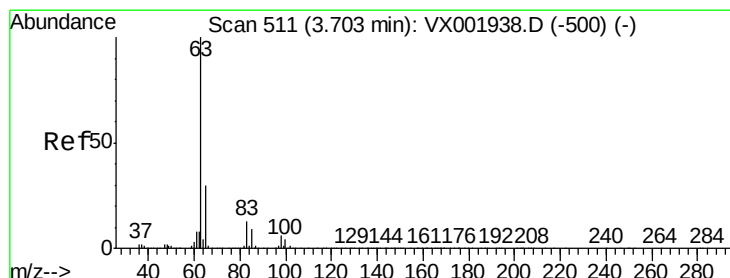
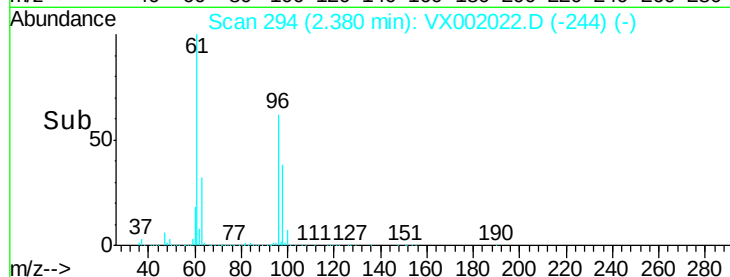
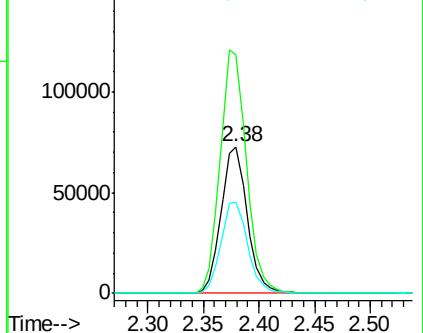
98 62.1 51.6 77.4



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



#24

1,1-Dichloroethane

Concen: 1.00 ug/l

RT: 3.70 min Scan# 510

Delta R.T. -0.01 min

Lab File: VX002022.D

Acq: 26 May 2018 16:46

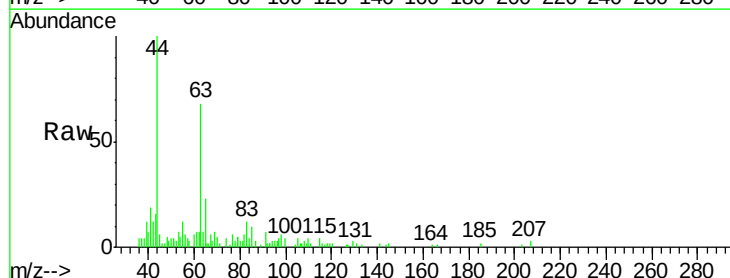
Tgt Ion: 63 Resp: 7162

Ion Ratio Lower Upper

63 100

98 6.7 3.3 9.8

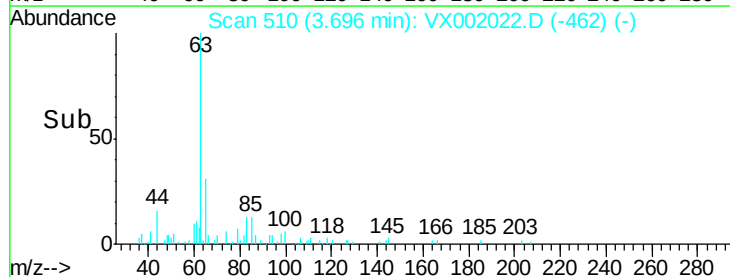
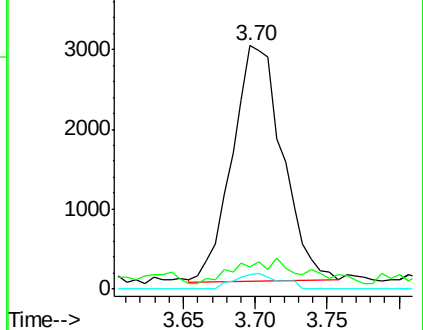
100 6.2 2.1 6.5

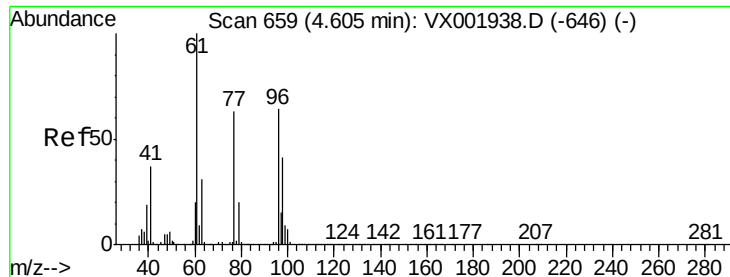


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#27

cis-1,2-Dichloroethene

Concen: 10.51 ug/l

RT: 4.60 min Scan# 659

Delta R.T. -0.00 min

Lab File: VX002022.D

Acq: 26 May 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

SS052MW731-180521

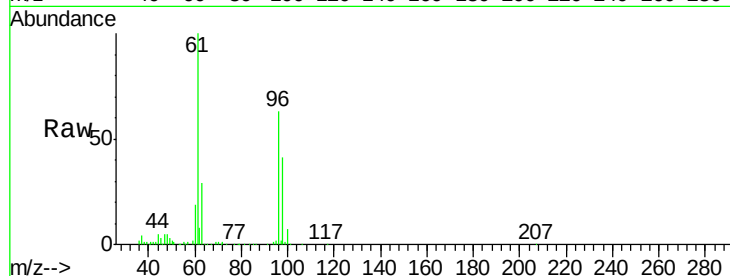
Tot Ion: 96 Resp: 48488

Ion Ratio Lower Upper

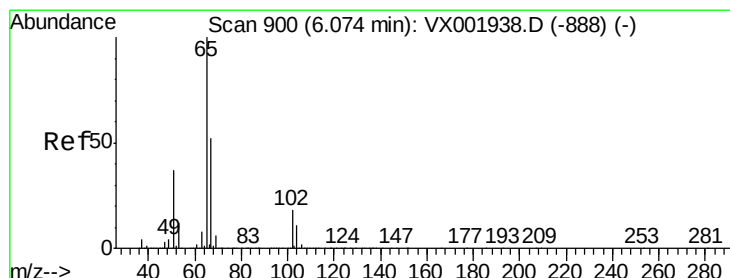
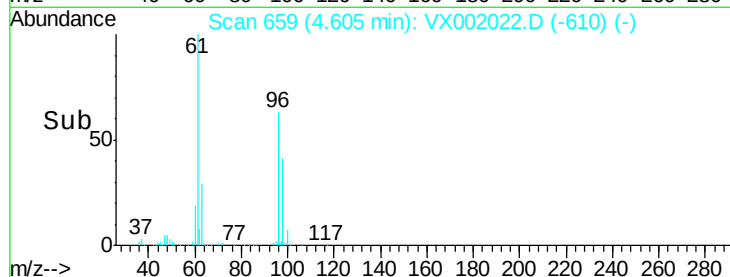
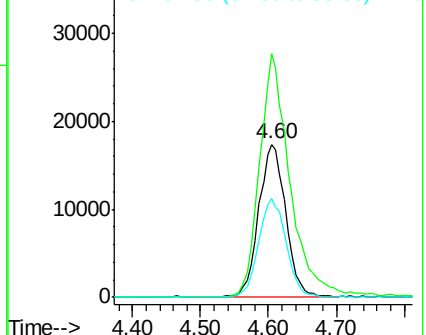
96 100

61 179.6 0.0 348.4

98 64.1 0.0 128.6



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



#33

1,2-Dichloroethane-d4

Concen: 42.03 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.01 min

Lab File: VX002022.D

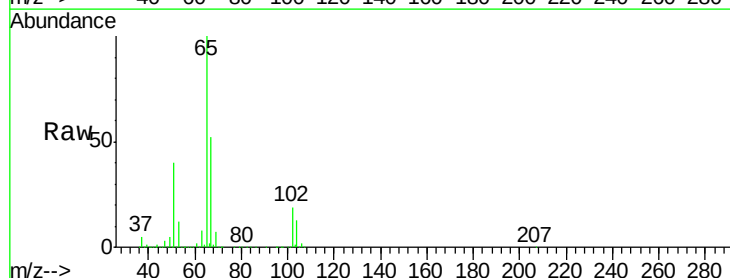
Acq: 26 May 2018 16:46

Tgt Ion: 65 Resp: 228069

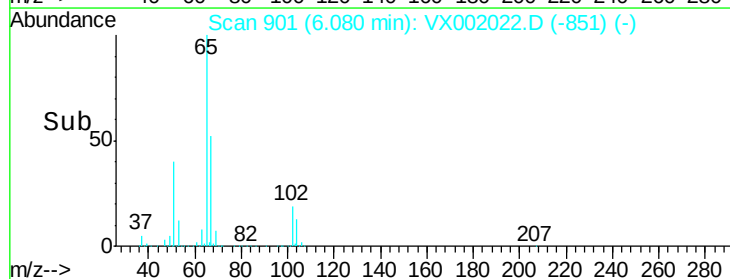
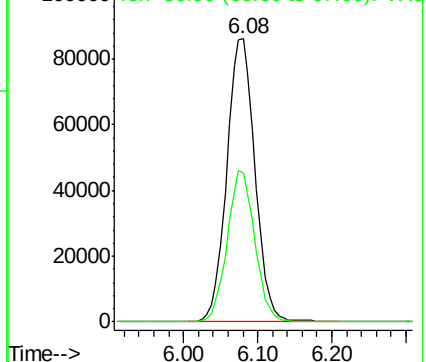
Ion Ratio Lower Upper

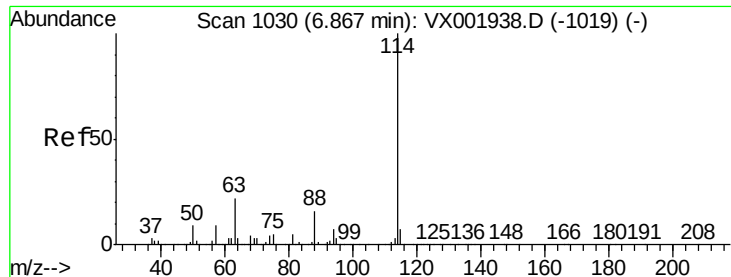
65 100

67 52.3 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

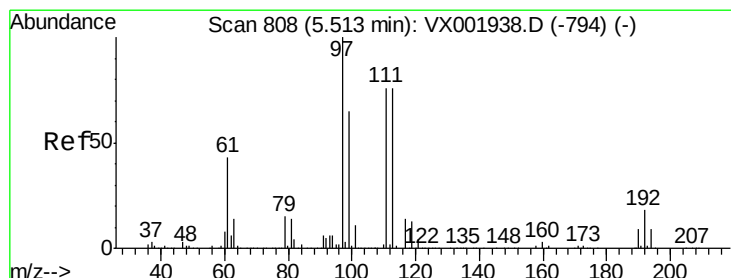
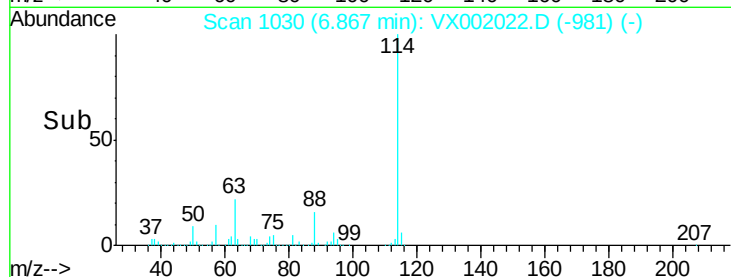
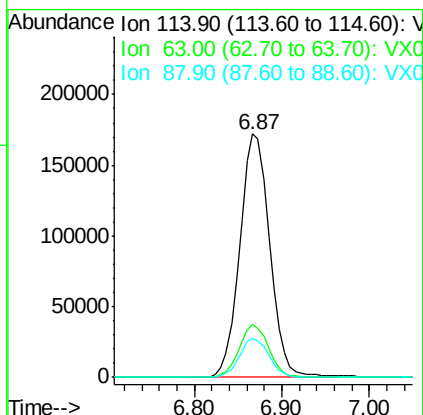
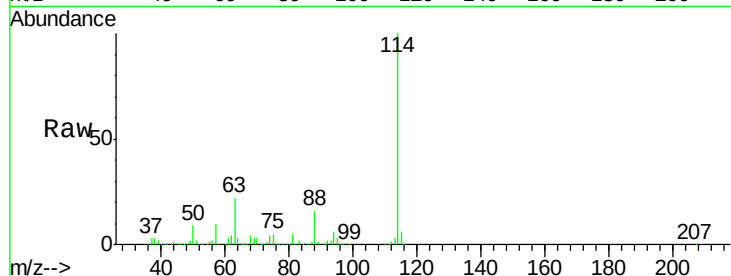




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX002022.D
 Acq: 26 May 2018 16:46

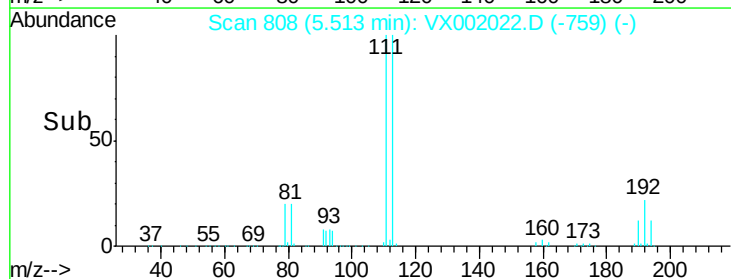
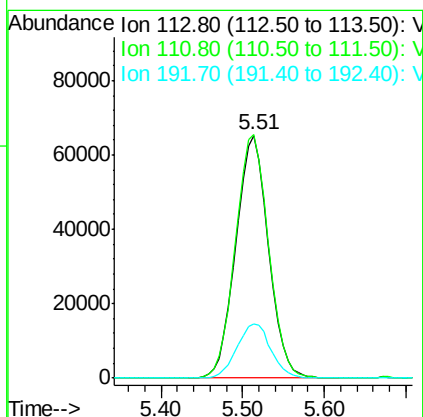
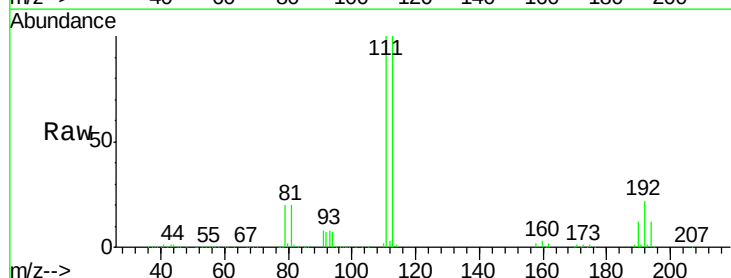
Instrument :
 MSVOA_X
 ClientSampleId :
 SS052MW731-180521

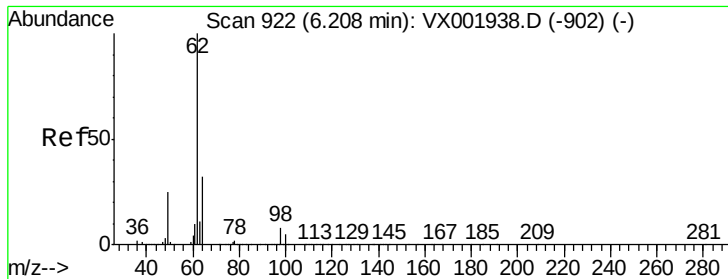
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.2
88	15.9	0.0	31.6



#35
 Dibromofluoromethane
 Concen: 44.10 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX002022.D
 Acq: 26 May 2018 16:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.0	123.0
192	23.3	18.9	28.3





#42

1,2-Dichloroethane

Concen: 0.53 ug/l

RT: 6.21 min Scan# 922

Delta R.T. 0.00 min

Lab File: VX002022.D

Acq: 26 May 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

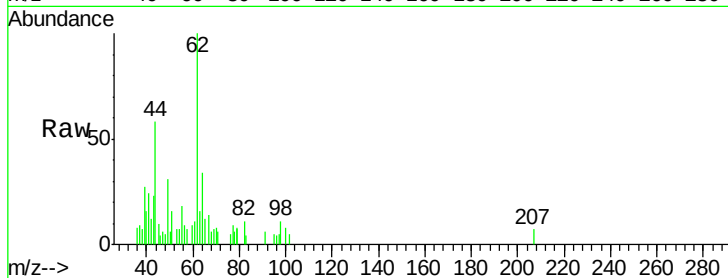
SS052MW731-180521

Tot Ion: 62 Resp: 3519

Ion Ratio Lower Upper

62 100

98 7.6 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

6.21

1500

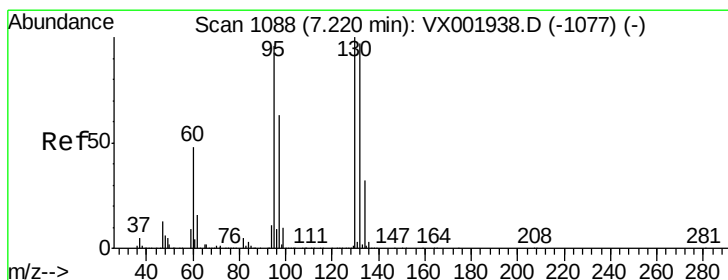
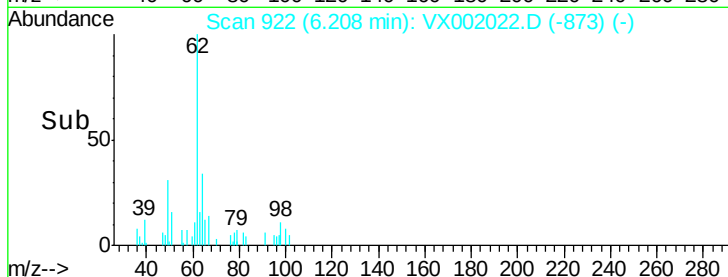
1000

500

0

6.10 6.15 6.20 6.25 6.30

Time-->



#44

Trichloroethene

Concen: 3.87 ug/l

RT: 7.22 min Scan# 1088

Delta R.T. -0.00 min

Lab File: VX002022.D

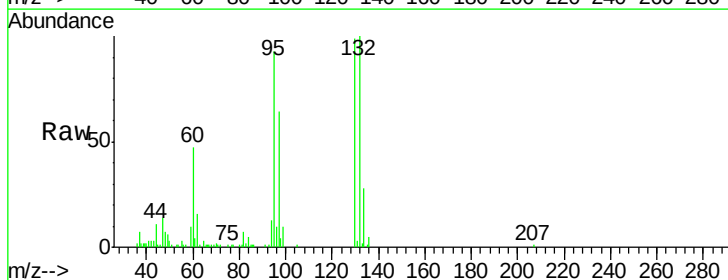
Acq: 26 May 2018 16:46

Tgt Ion: 130 Resp: 18804

Ion Ratio Lower Upper

130 100

95 93.6 0.0 192.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.22

10000

8000

6000

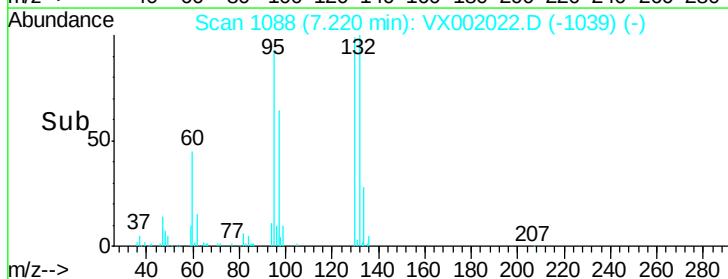
4000

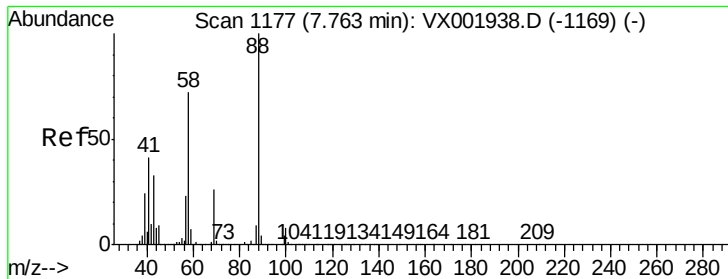
2000

0

7.10 7.20 7.30

Time-->





#49

1,4-Dioxane

Concen: 23.21 ug/l

RT: 7.77 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VX002022.D

Acq: 26 May 2018 16:46

Instrument :

MSVOA_X

ClientSampleId :

SS052MW731-180521

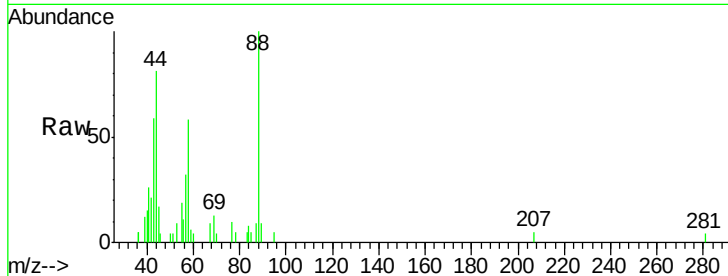
Tot Ion: 88 Resp: 2576

Ion Ratio Lower Upper

88 100

43 46.0 29.8 44.8#

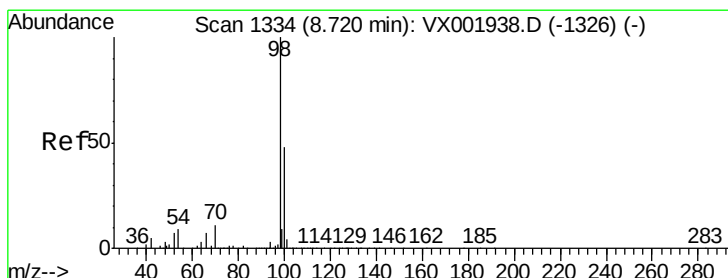
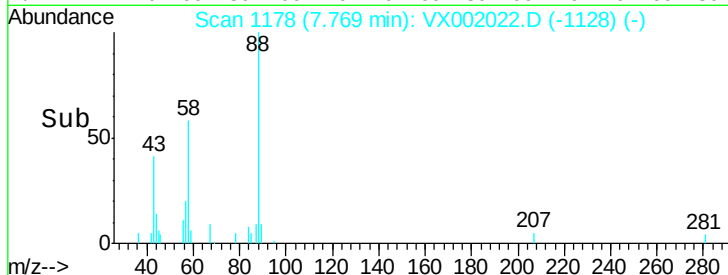
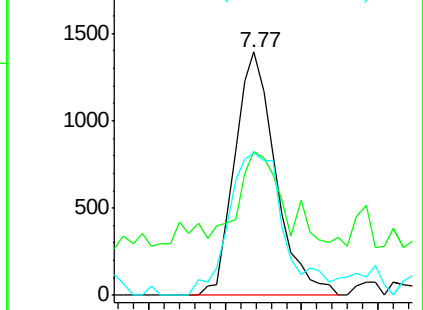
58 79.2 58.7 88.1



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: 46.05 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002022.D

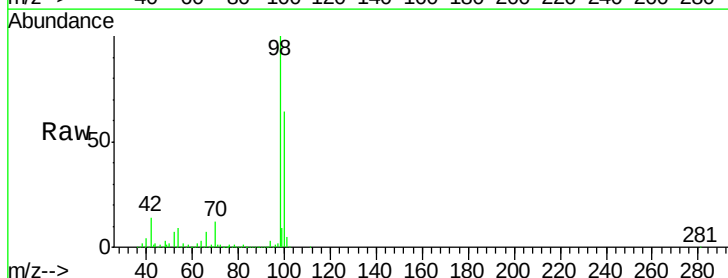
Acq: 26 May 2018 16:46

Tgt Ion: 98 Resp: 682917

Ion Ratio Lower Upper

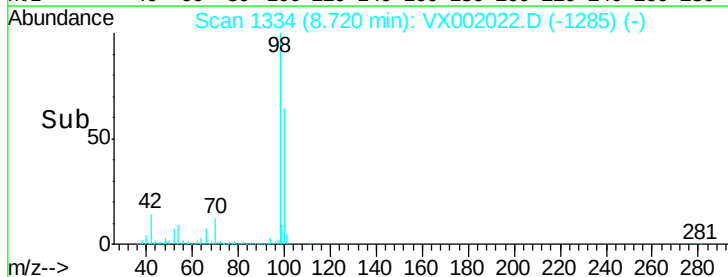
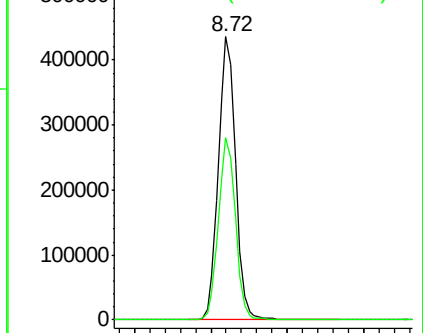
98 100

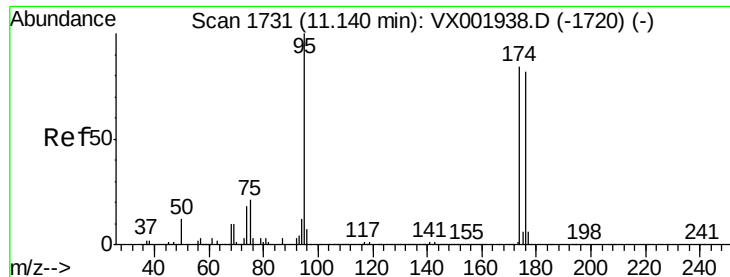
100 63.9 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

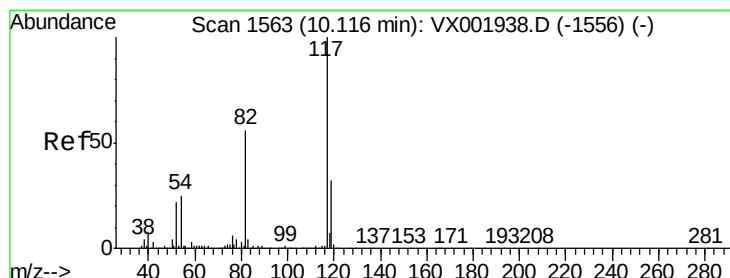
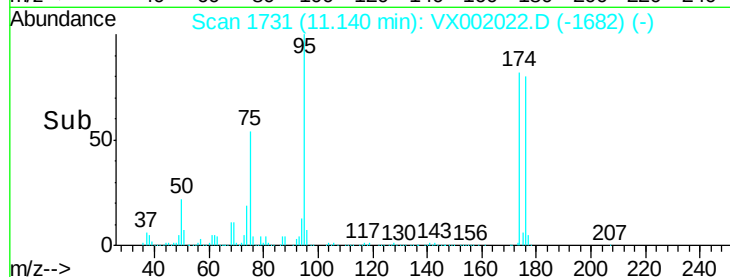
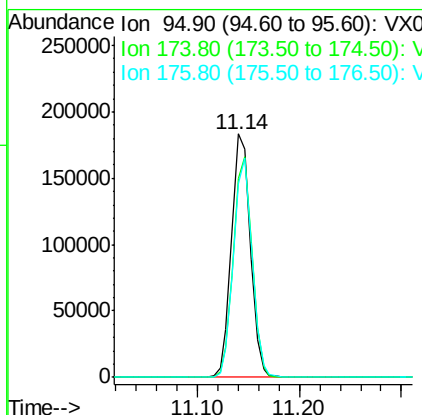
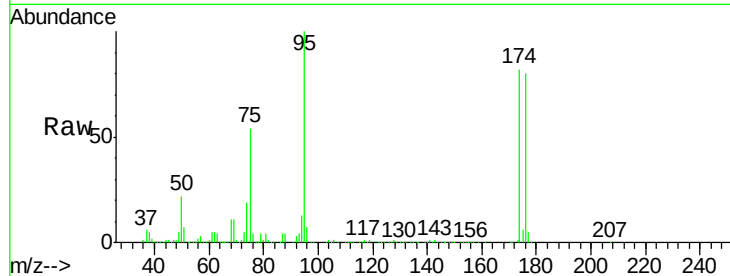




#62
4-Bromofluorobenzene
Concen: 40.24 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX002022.D
Acq: 26 May 2018 16:46

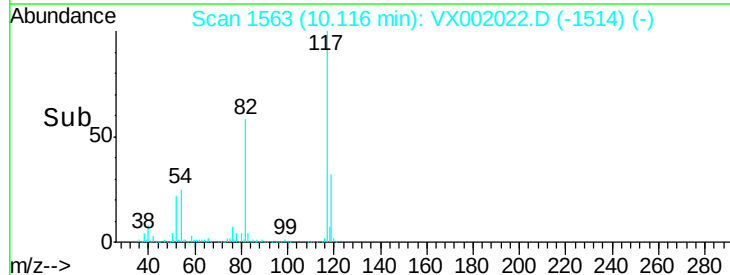
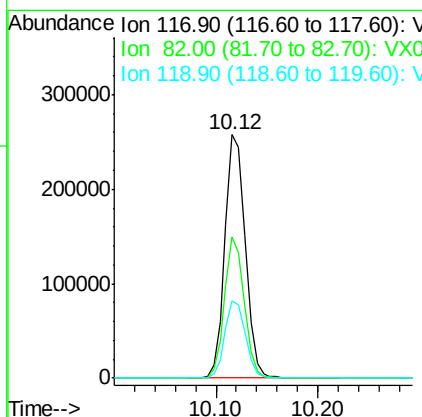
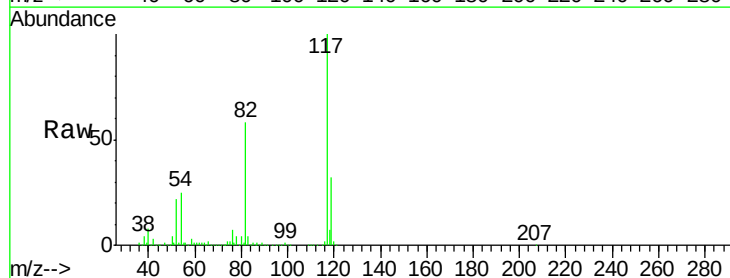
Instrument :
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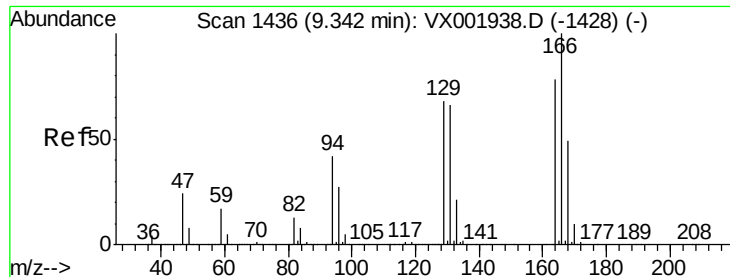
Tot Ion: 95 Resp: 233471
Ion Ratio Lower Upper
95 100
174 89.8 0.0 178.8
176 88.5 0.0 175.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX002022.D
Acq: 26 May 2018 16:46

Tgt Ion: 117 Resp: 358447
Ion Ratio Lower Upper
117 100
82 57.8 44.8 67.2
119 31.9 25.5 38.3

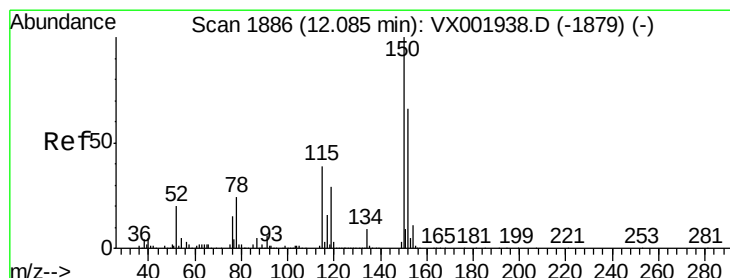
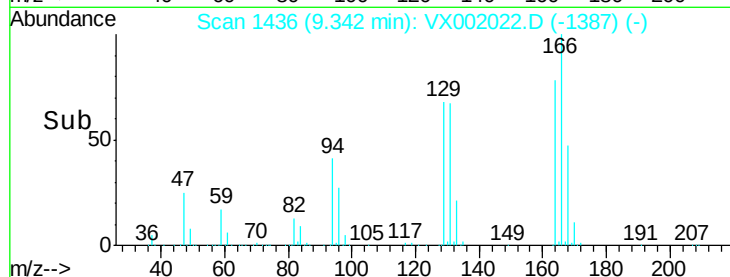
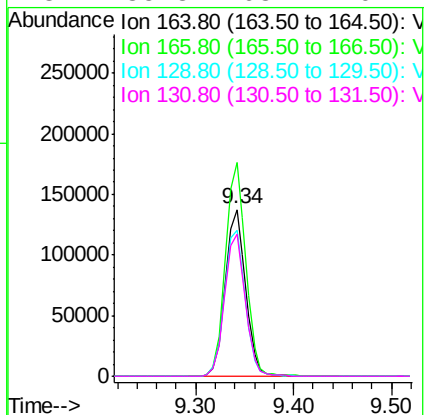
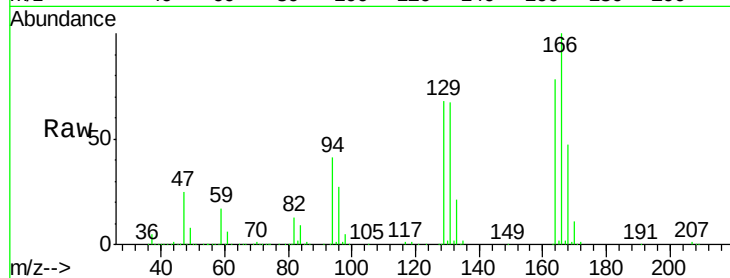




#64
Tetrachloroethene
Concen: 38.53 ug/l
RT: 9.34 min Scan# 1436
Delta R.T. 0.00 min
Lab File: VX002022.D
Acq: 26 May 2018 16:46

Instrument :
MSVOA_X
ClientSampleId :
SS052MW731-180521

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.2	102.7	154.1
129	87.6	70.3	105.5
131	85.3	68.2	102.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002022.D
Acq: 26 May 2018 16:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	42.3	126.8
150	156.0	0.0	351.0

