

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX062620\
 Data File : VX016990.D
 Acq On : 26 Jun 2020 17:46
 Operator : JC/SP
 Sample : L3097-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20200623

Quant Time: Jun 29 06:33:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 26 08:34:16 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	243021	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	432812	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	448459	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	230870	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	183330	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
35) Dibromofluoromethane	5.47	113	144005	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	8.70	98	549680	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	
62) 4-Bromofluorobenzene	11.12	95	228556	56.41	ug/l	0.00
Spiked Amount			Recovery	=	112.82%	

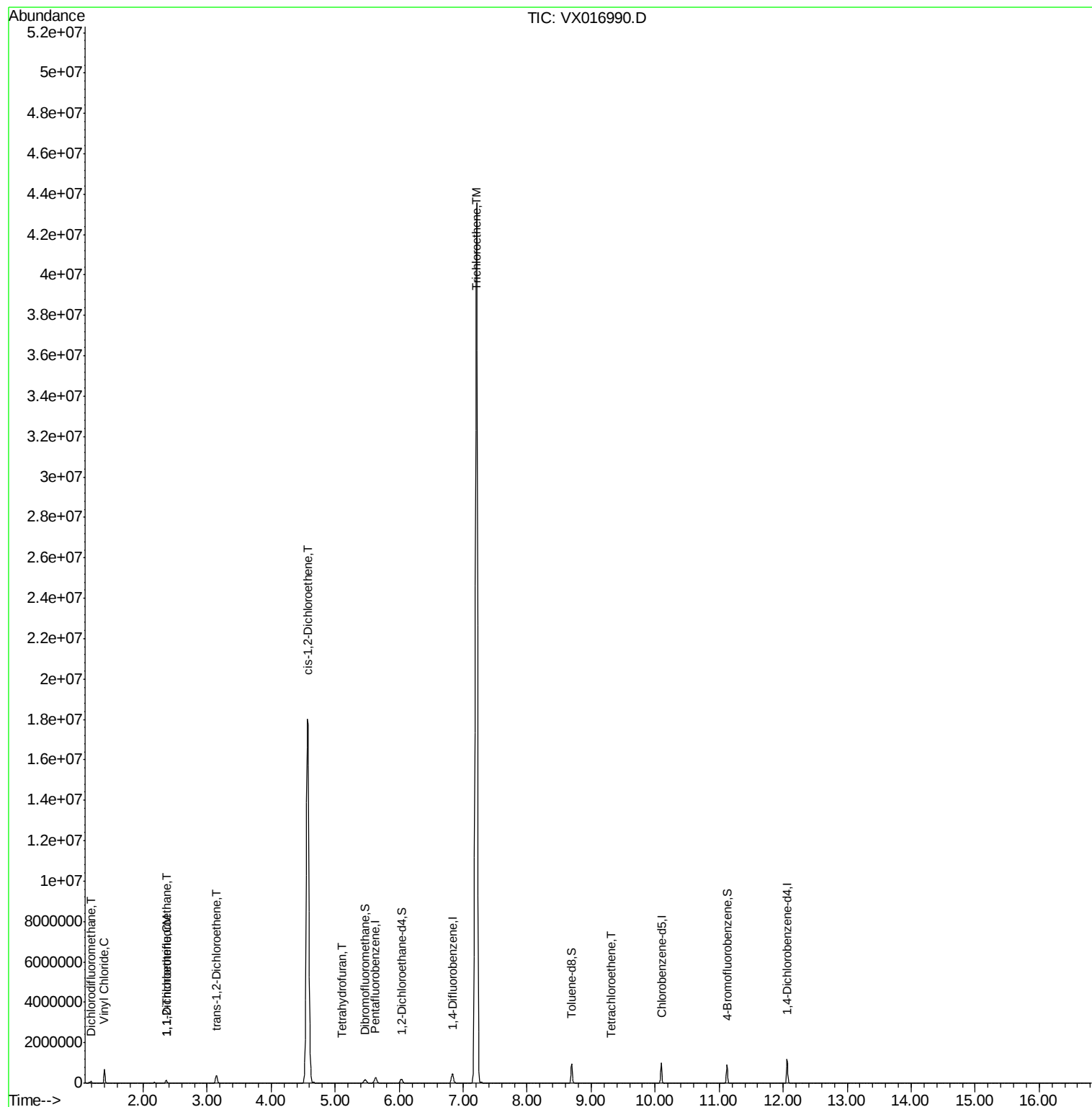
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	52214	22.544	ug/l	98
4) Vinyl Chloride	1.39	62	447045	146.598	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.37	101	3663	1.376	ug/l	94
12) 1,1-Dichloroethene	2.36	96	42004	15.593	ug/l	89
21) trans-1,2-Dichloroethene	3.15	96	160877	52.860	ug/l	93
27) cis-1,2-Dichloroethene	4.57	96	11659297	3466.803	ug/l	87
29) Tetrahydrofuran	5.10	42	10107	7.032	ug/l	92
44) Trichloroethene	7.21	130	18483502	5626.031	ug/l	99
64) Tetrachloroethene	9.32	164	2595	0.855	ug/l	86

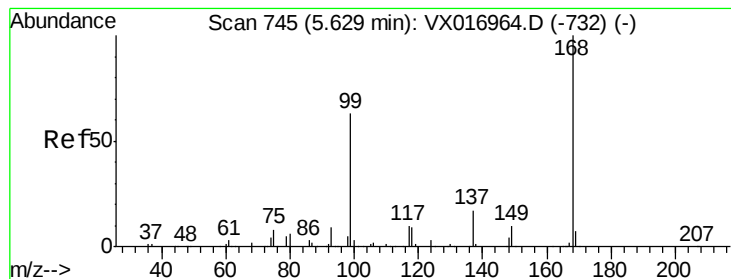
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062620\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062620W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 26 08:34:16 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

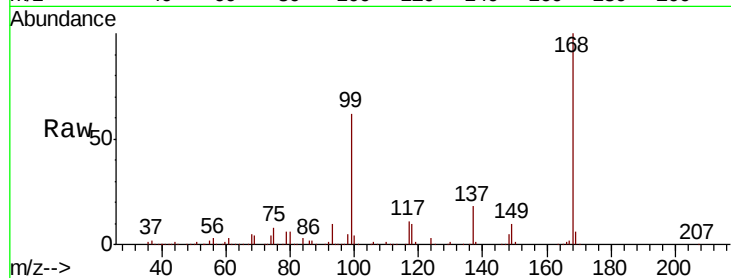
DUP02-20200623

Tot Ion:168 Resp: 243021

Ion Ratio Lower Upper

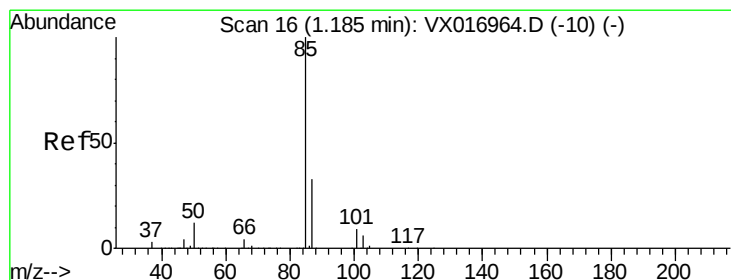
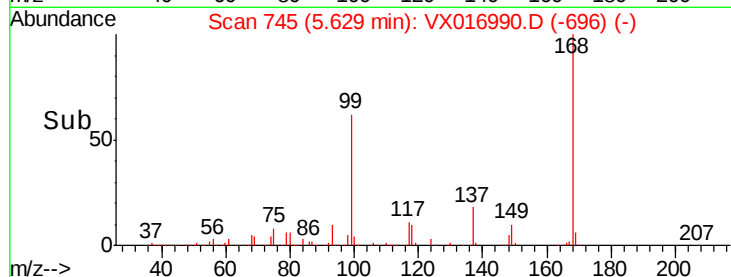
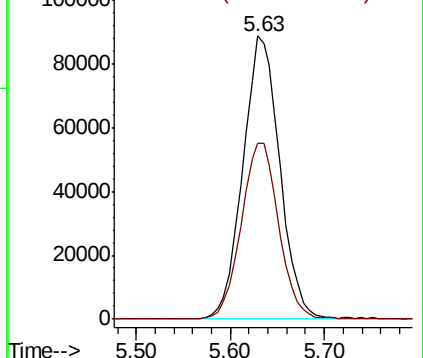
168 100

99 62.0 50.2 75.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 22.544 ug/l

RT: 1.18 min Scan# 16

Delta R.T. -0.00 min

Lab File: VX016990.D

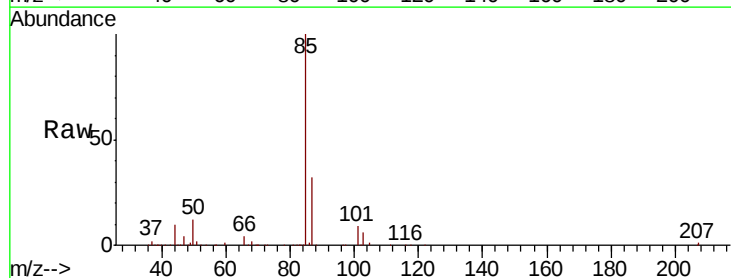
Acq: 26 Jun 2020 17:46

Tgt Ion: 85 Resp: 52214

Ion Ratio Lower Upper

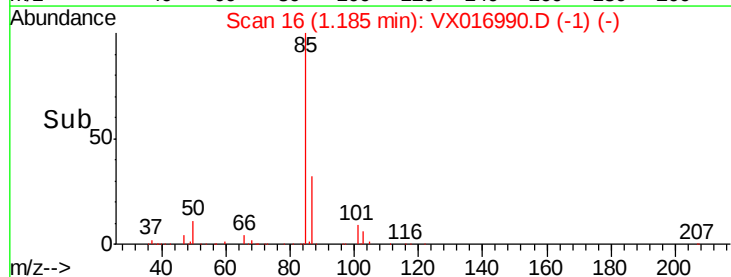
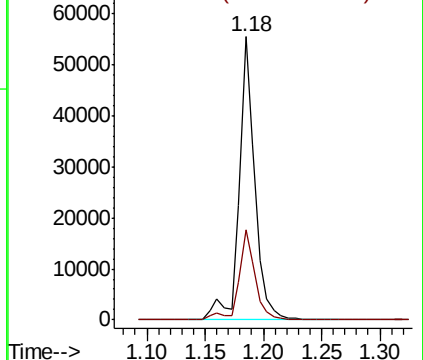
85 100

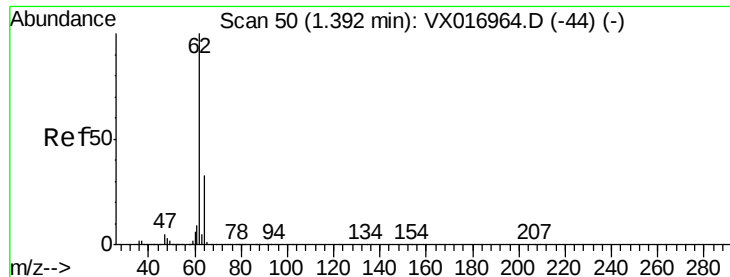
87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#4

Vinyl Chloride

Concen: 146.598 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

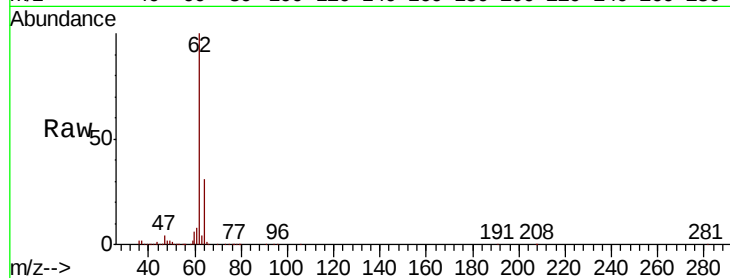
DUP02-20200623

Tot Ion: 62 Resp: 447045

Ion Ratio Lower Upper

62 100

64 30.9 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX016964.D (-44) (-)

Ion 63.90 (63.60 to 64.60): VX016964.D (-44) (-)

1.39

400000

300000

200000

100000

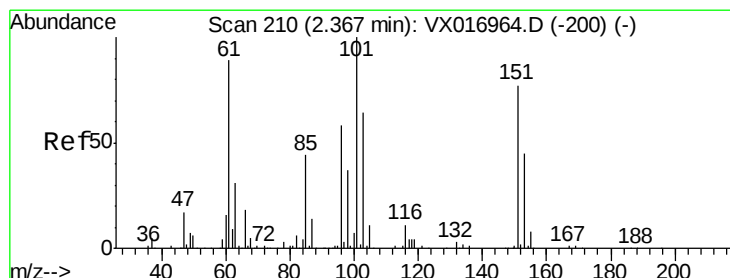
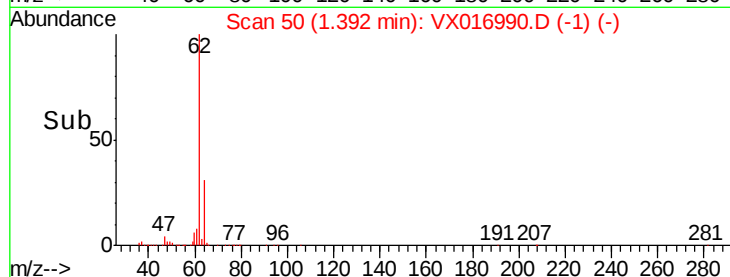
0

Time-->

1.30

1.40

1.50



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.376 ug/l

RT: 2.37 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

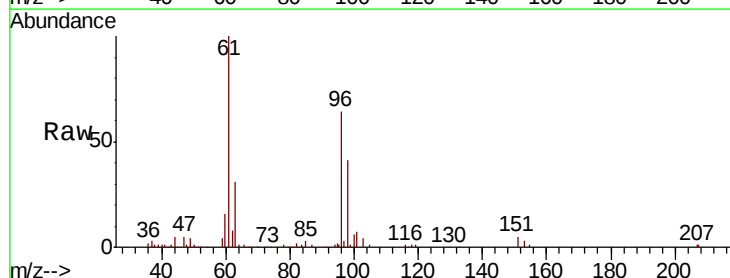
Tgt Ion:101 Resp: 3663

Ion Ratio Lower Upper

101 100

85 44.4 36.8 55.2

151 67.7 59.8 89.6



Abundance Ion 100.90 (100.60 to 101.60): VX016964.D (-200) (-)

Ion 84.90 (84.60 to 85.60): VX016964.D (-200) (-)

Ion 150.80 (150.50 to 151.50): VX016964.D (-200) (-)

2.37

2500

2000

1500

1000

500

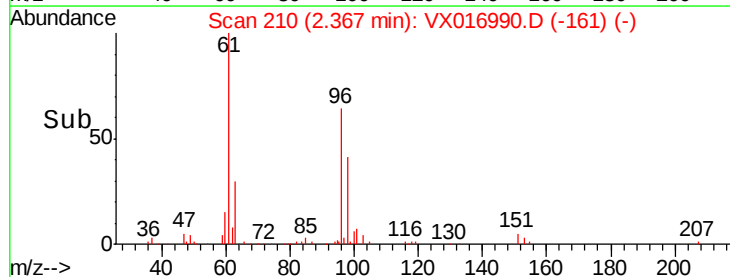
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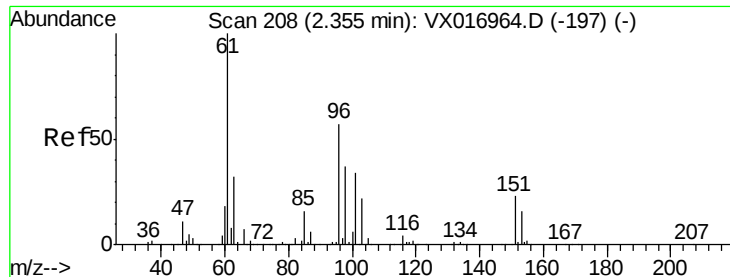
Time-->

2.30

2.35

2.40





#12

1,1-Dichloroethene

Concen: 15.593 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200623

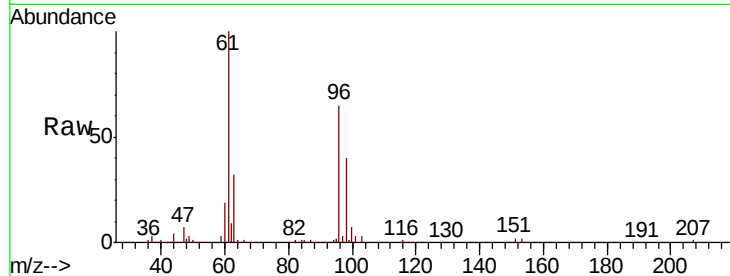
Tot Ion: 96 Resp: 42004

Ion Ratio Lower Upper

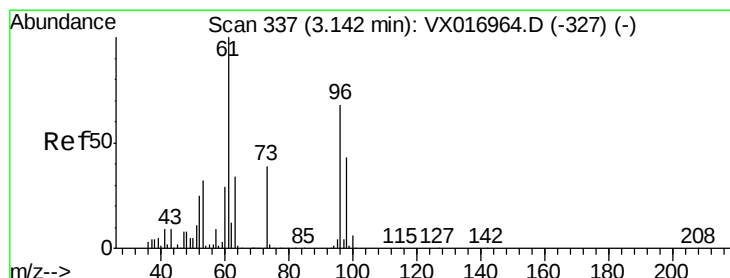
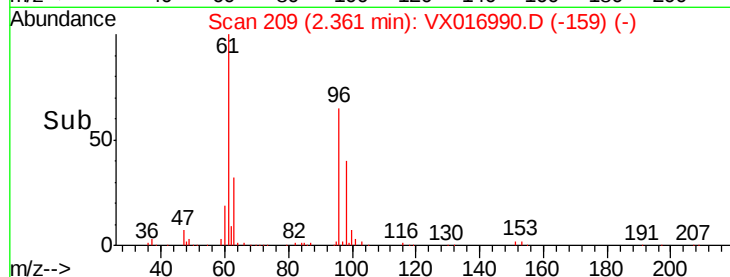
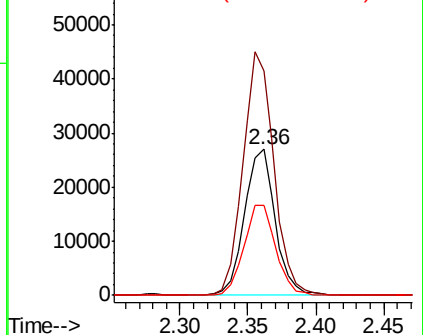
96 100

61 154.5 139.7 209.5

98 62.3 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



#21

trans-1,2-Dichloroethene

Concen: 52.860 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

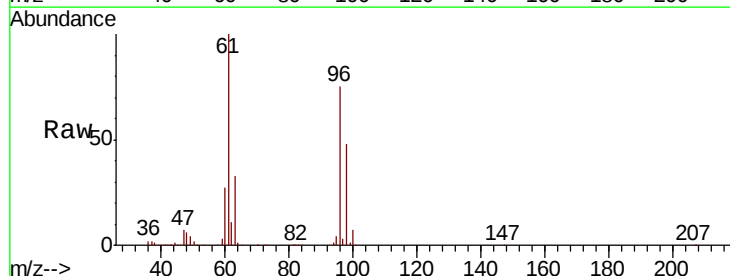
Tgt Ion: 96 Resp: 160877

Ion Ratio Lower Upper

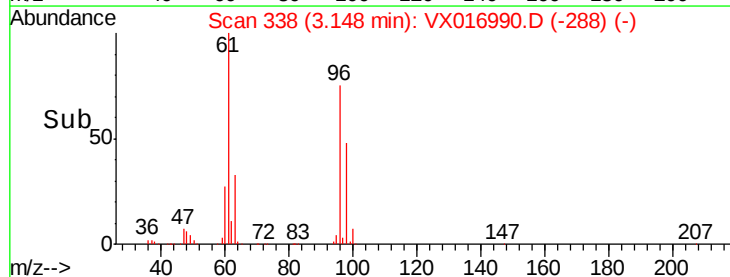
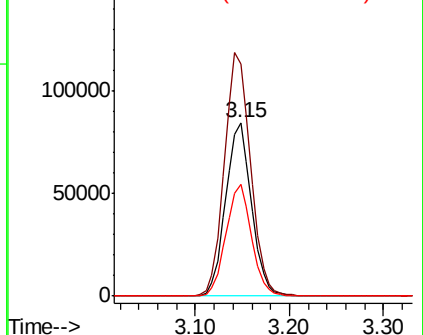
96 100

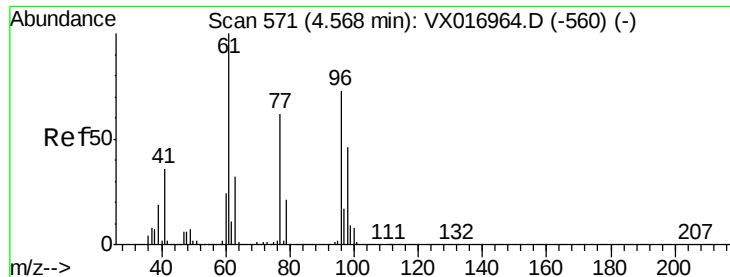
61 133.5 116.7 175.1

98 64.4 50.7 76.1



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



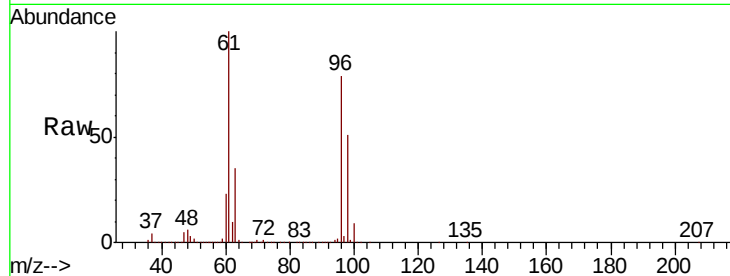


#27

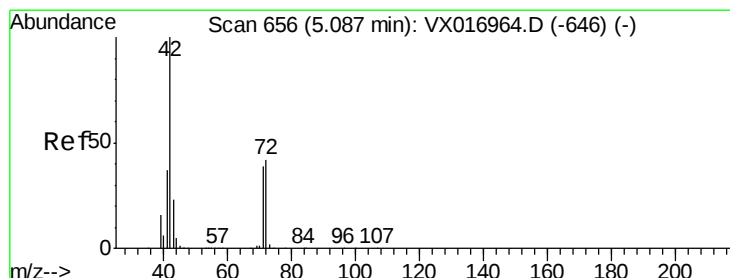
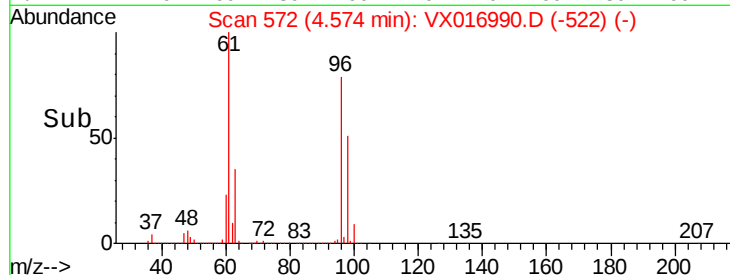
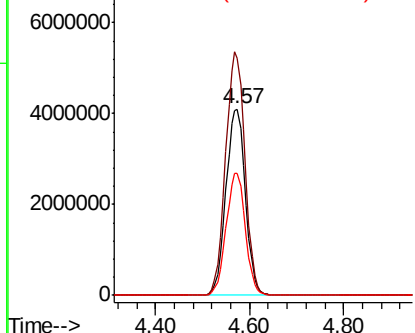
cis-1,2-Dichloroethene
 Concen: 3466.803 ug/l
 RT: 4.57 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VX016990.D
 Acq: 26 Jun 2020 17:46

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP02-20200623

Tot Ion: 96 Resp: 11659297
 Ion Ratio Lower Upper
 96 100
 61 130.7 0.0 307.2
 98 65.1 0.0 128.4



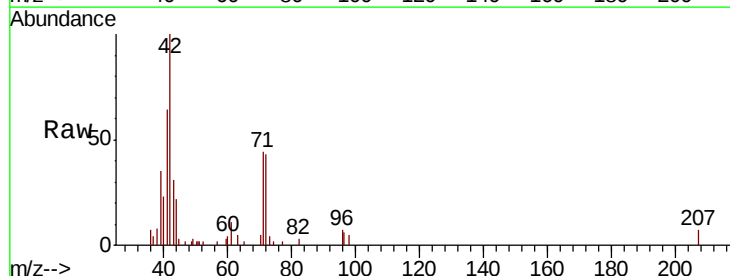
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



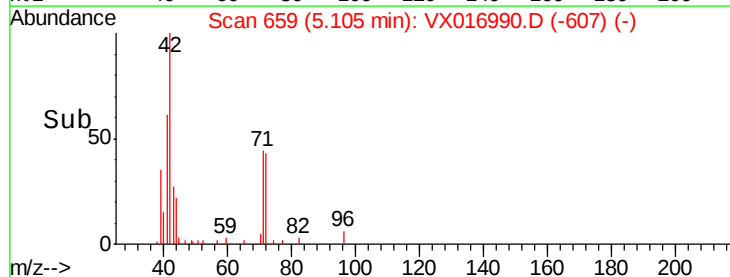
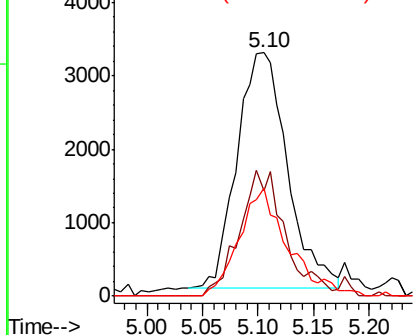
#29

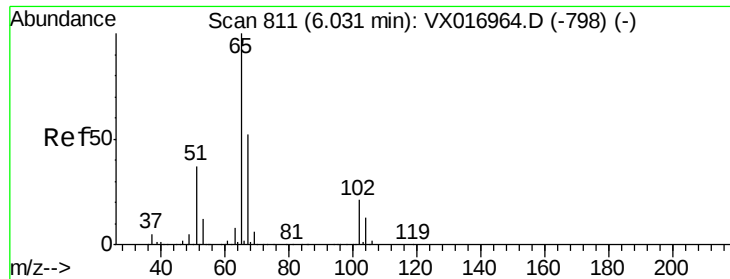
Tetrahydrofuran
 Concen: 7.032 ug/l
 RT: 5.10 min Scan# 659
 Delta R.T. 0.02 min
 Lab File: VX016990.D
 Acq: 26 Jun 2020 17:46

Tgt Ion: 42 Resp: 10107
 Ion Ratio Lower Upper
 42 100
 72 48.1 34.1 51.1
 71 44.4 32.1 48.1



Abundance Ion 42.00 (41.70 to 42.70): VX0
 Ion 72.00 (71.70 to 72.70): VX0
 Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 49.955 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

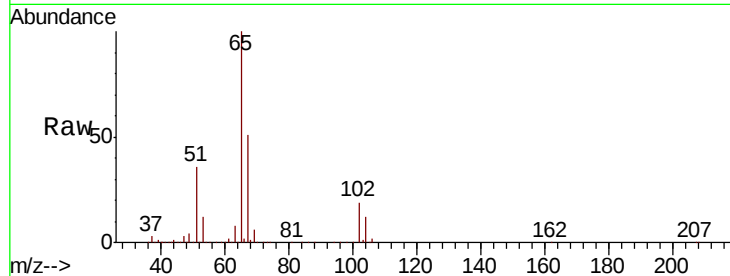
DUP02-20200623

Tot Ion: 65 Resp: 183330

Ion Ratio Lower Upper

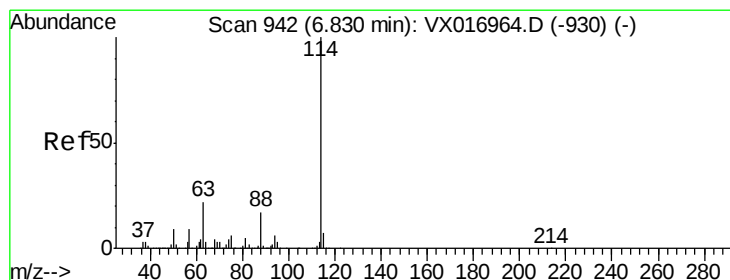
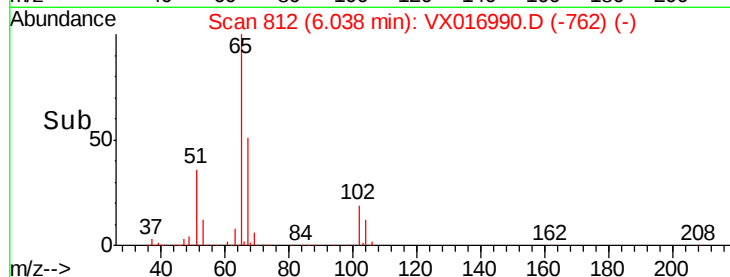
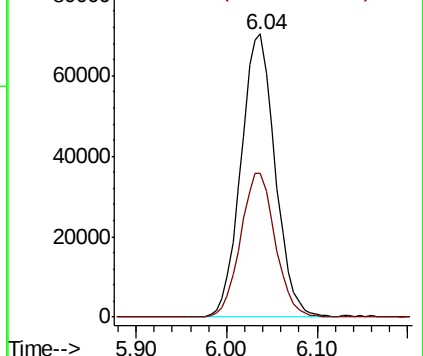
65 100

67 51.7 0.0 102.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

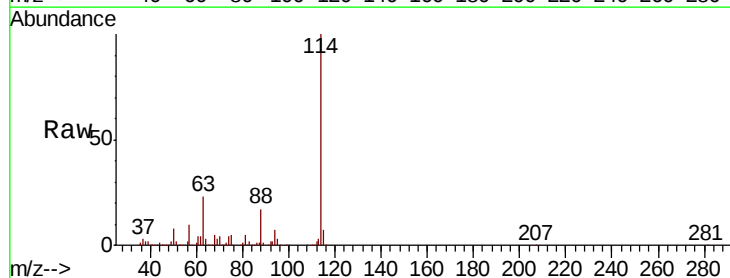
Tgt Ion: 114 Resp: 432812

Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.4

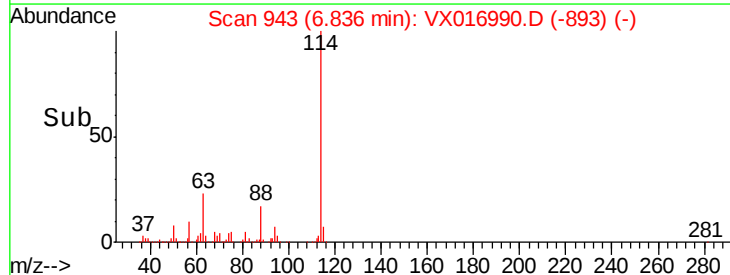
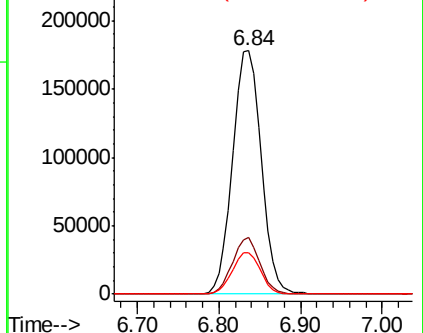
88 17.2 0.0 33.2

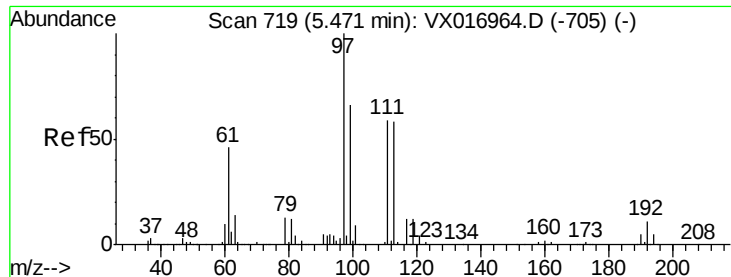


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

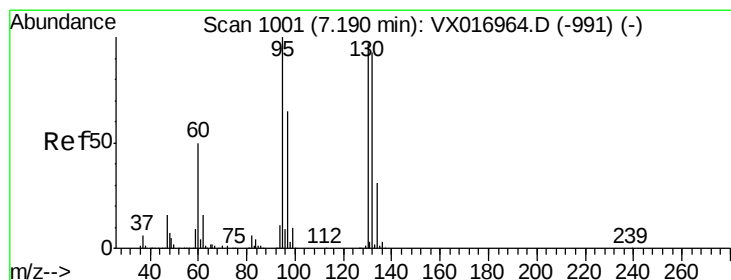
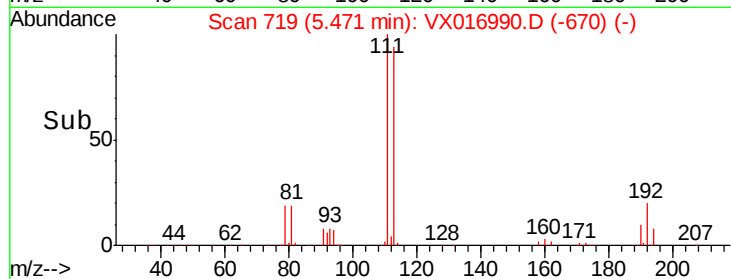
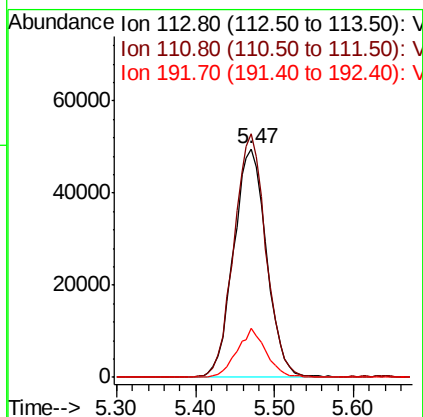
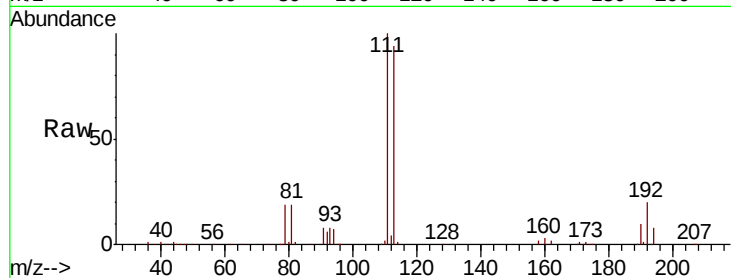




#35
Dibromofluoromethane
Concen: 50.375 ug/l
RT: 5.47 min Scan# 719
Delta R.T. -0.00 min
Lab File: VX016990.D
Acq: 26 Jun 2020 17:46

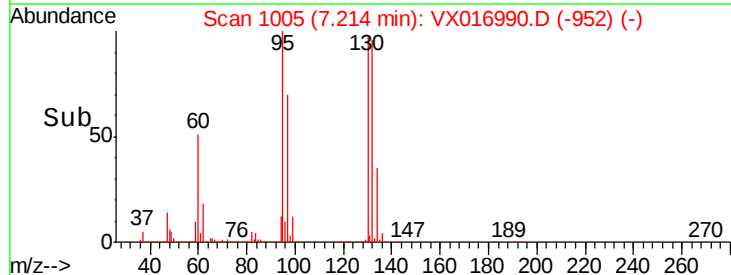
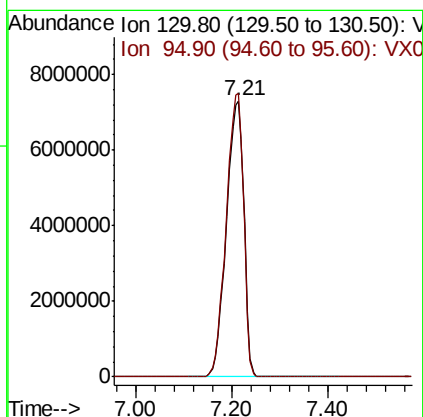
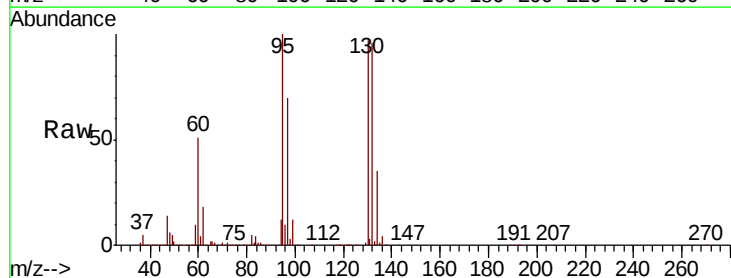
Instrument :
MSVOA_X
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DUP02-20200623

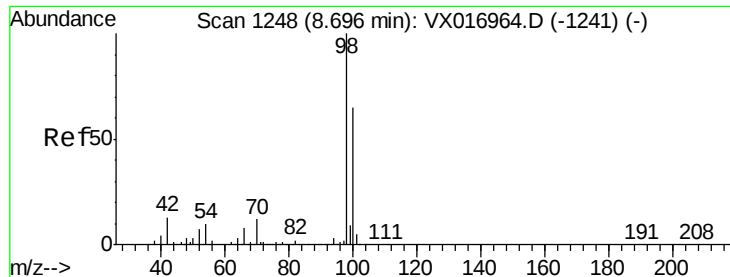
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	84.3	126.5
192	18.7	15.2	22.8



#44
Trichloroethene
Concen: 5626.031 ug/l
RT: 7.21 min Scan# 1005
Delta R.T. 0.02 min
Lab File: VX016990.D
Acq: 26 Jun 2020 17:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	206.6





#50

Toluene-d8

Concen: 52.458 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

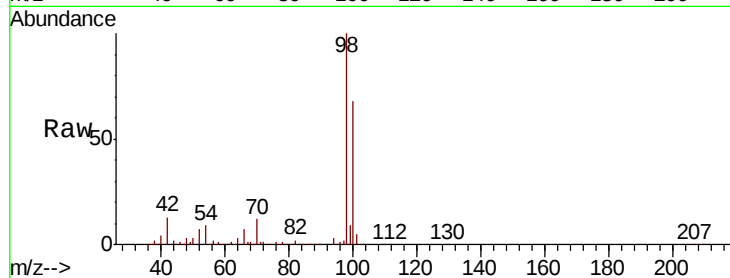
DUP02-20200623

Tot Ion: 98 Resp: 549680

Ion Ratio Lower Upper

98 100

100 65.8 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

8.70

400000

300000

200000

100000

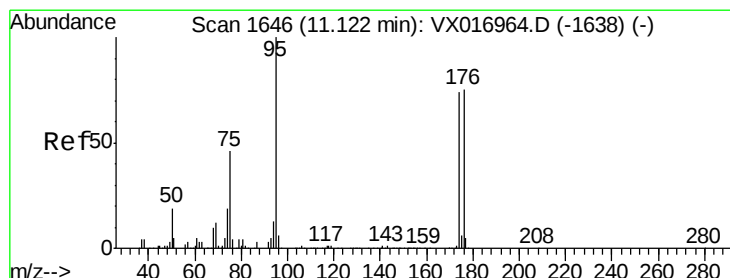
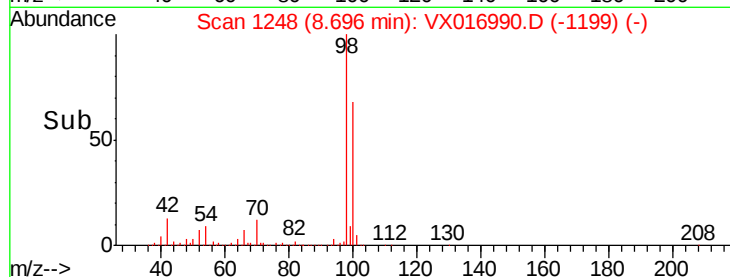
0

8.60

8.70

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 56.406 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

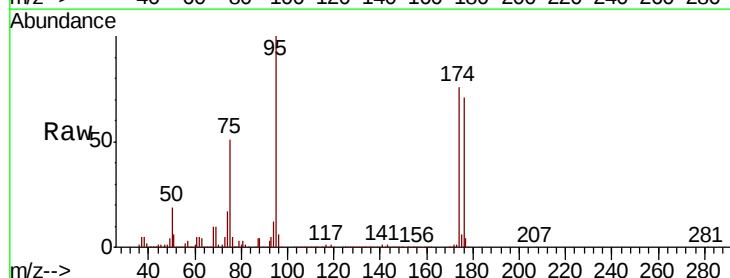
Tgt Ion: 95 Resp: 228556

Ion Ratio Lower Upper

95 100

174 76.1 0.0 149.6

176 71.3 0.0 148.2



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

11.12

250000

200000

150000

100000

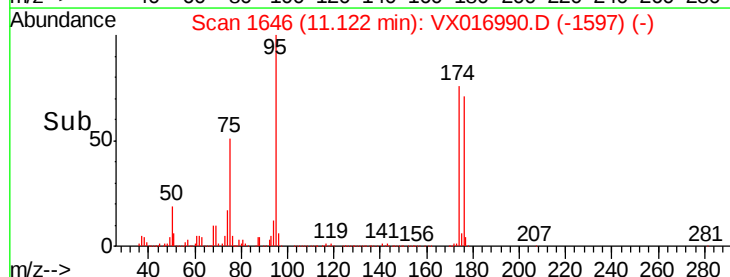
50000

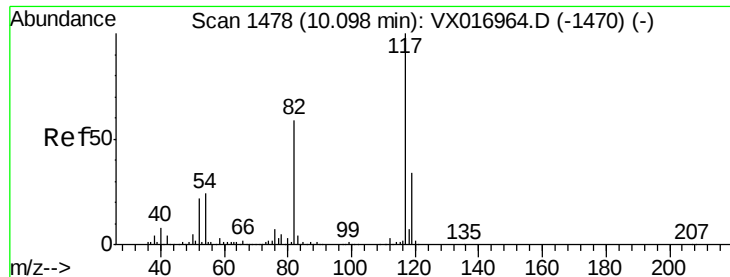
0

11.10

11.20

Time-->

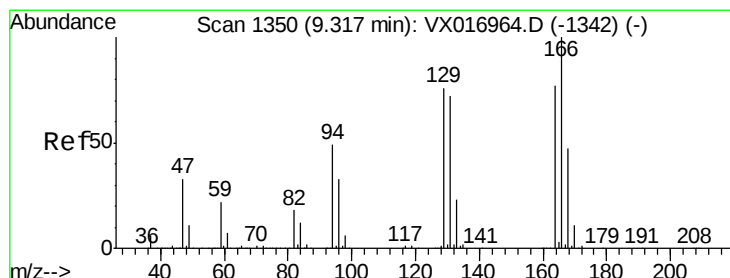
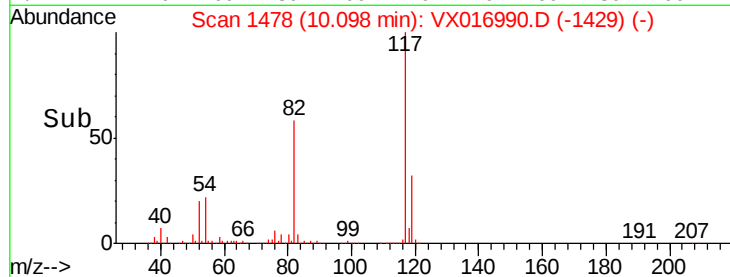
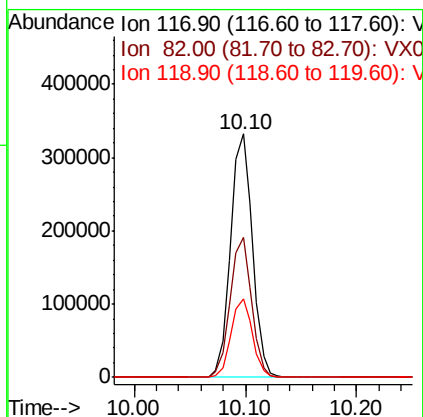
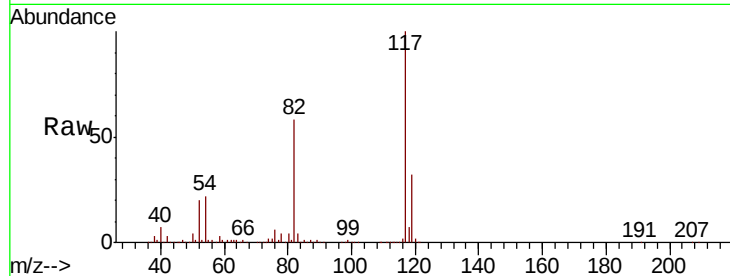




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016990.D
Acq: 26 Jun 2020 17:46

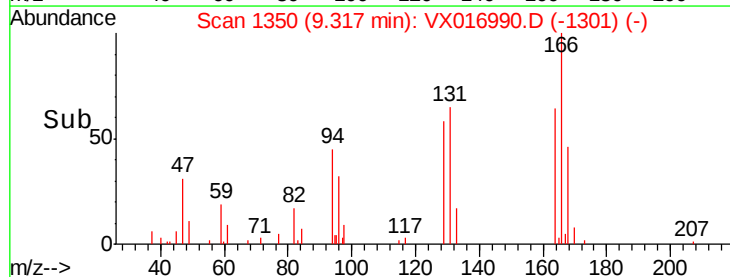
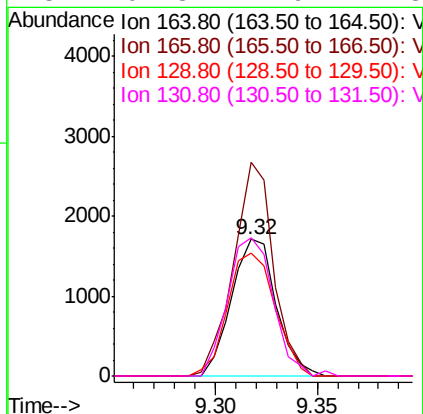
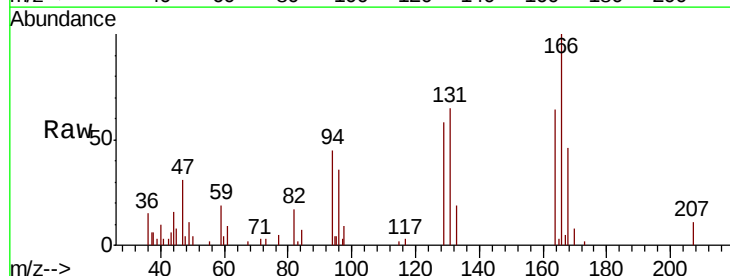
Instrument :
MSVOA_X
ClientSampleId :
DUP02-20200623

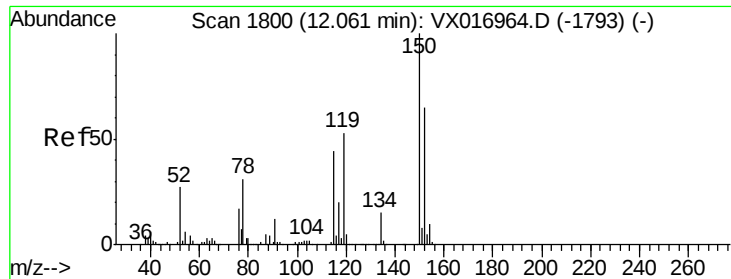
Tot Ion:117 Resp: 448459
Ion Ratio Lower Upper
117 100
82 57.6 46.8 70.2
119 32.4 27.3 40.9



#64
Tetrachloroethene
Concen: 0.855 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. -0.00 min
Lab File: VX016990.D
Acq: 26 Jun 2020 17:46

Tgt Ion:164 Resp: 2595
Ion Ratio Lower Upper
164 100
166 156.2 104.2 156.4
129 90.3 79.3 118.9
131 101.3 74.9 112.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016990.D

Acq: 26 Jun 2020 17:46

Instrument :

MSVOA_X

ClientSampleId :

DUP02-20200623

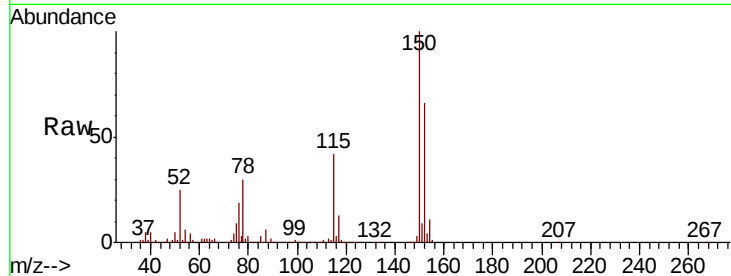
Tot Ion:152 Resp: 230870

Ion Ratio Lower Upper

152 100

115 60.4 42.8 128.4

150 153.6 0.0 347.8



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

