

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051319\
 Data File : VX009550.D
 Acq On : 13 May 2019 17:51
 Operator : JC/SP
 Sample : K2840-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01_051319

Quant Time: May 14 03:45:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	190938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	302675	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	265948	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112653	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	123755	47.48	ug/l	0.00
Spiked Amount			Recovery	=	94.96%	
35) Dibromofluoromethane	5.50	113	92007	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
50) Toluene-d8	8.71	98	378128	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
62) 4-Bromofluorobenzene	11.13	95	125288	44.89	ug/l	0.00
Spiked Amount			Recovery	=	89.78%	

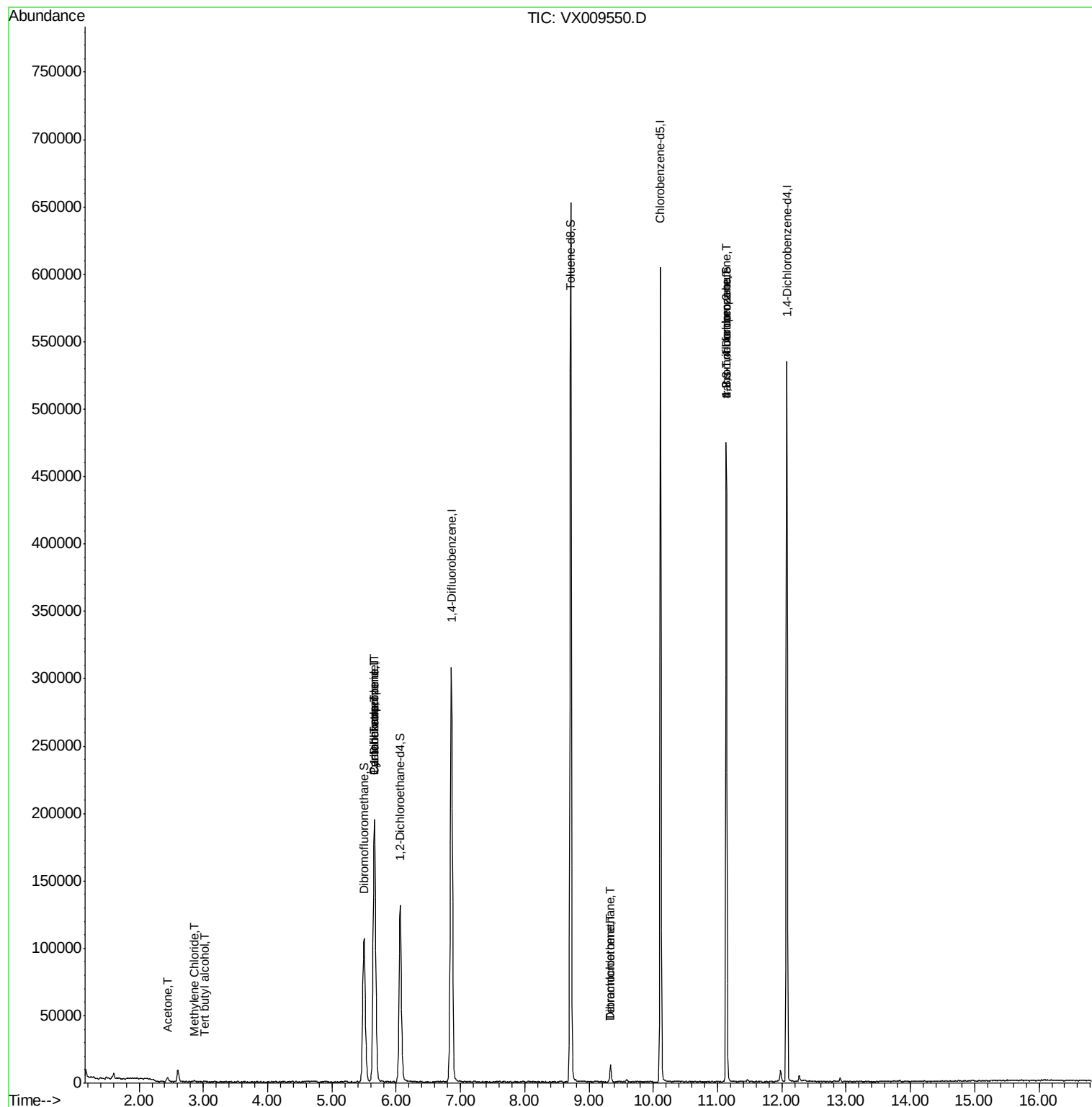
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	210	0.348	ug/l #	73
16) Acetone	2.44	43	3519	2.514	ug/l	99
20) Methylene Chloride	2.85	84	454	0.200	ug/l #	84
28) Bromochloromethane	5.04	49	56	Below Cal	#	20
31) Cyclohexane	5.66	56	3984	1.034	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14483	5.149	ug/l #	50
38) Carbon Tetrachloride	5.66	117	18015	7.049	ug/l #	17
60) Dibromochloromethane	9.34	129	2321	1.101	ug/l #	11
64) Tetrachloroethene	9.34	164	2410	1.321	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	64385	24.639	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	64385	63.042	ug/l #	10

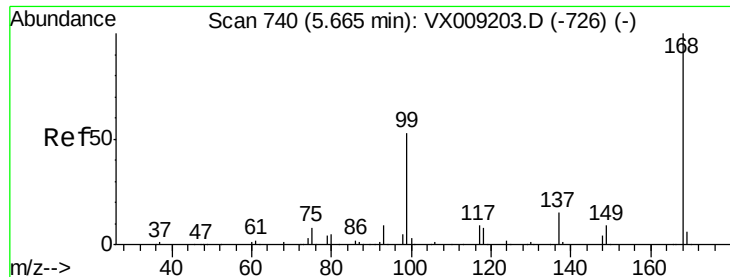
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051319\
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Quant Time: May 14 03:45:59 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
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: VX009550.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

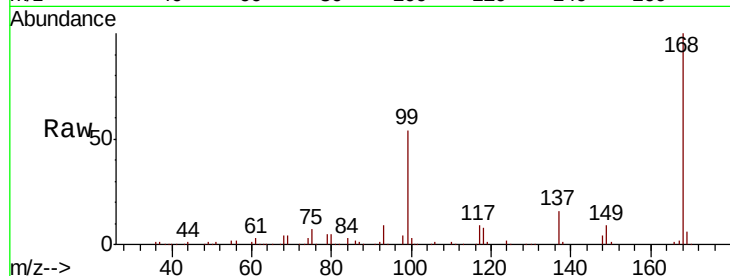
DUP-01_051319

Tot Ion:168 Resp: 190938

Ion Ratio Lower Upper

168 100

99 54.0 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

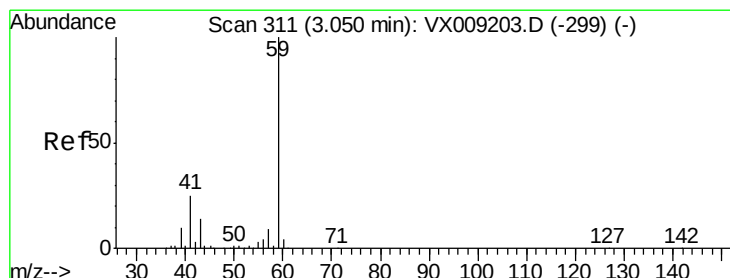
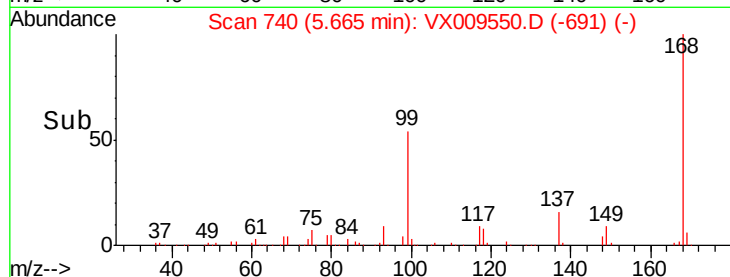
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 0.348 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX009550.D

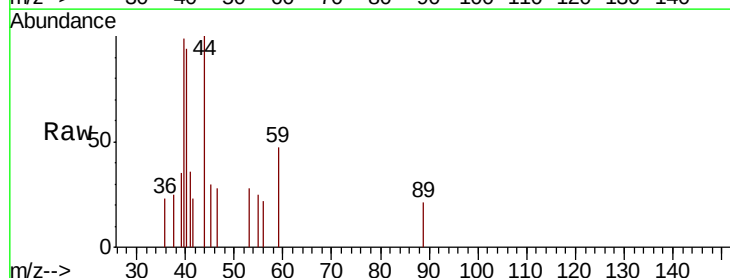
Acq: 13 May 2019 17:51

Tgt Ion: 59 Resp: 210

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

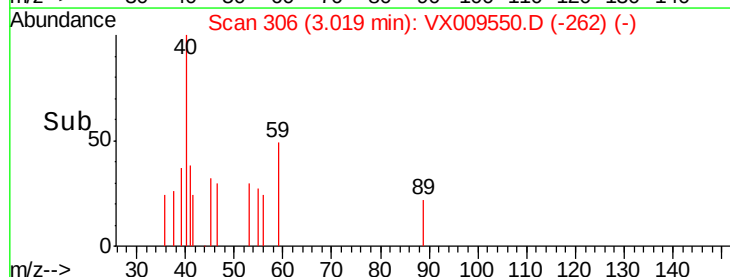
3.02

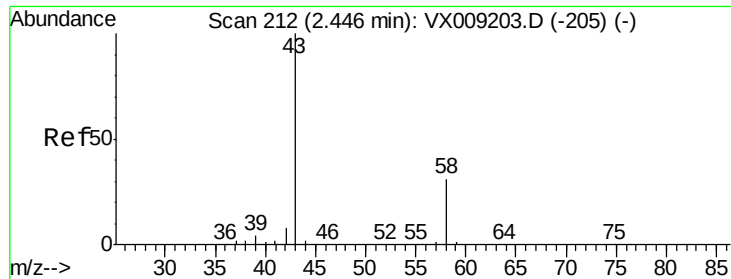
100

50

0

Time--> 2.98 3.00 3.02 3.04





#16

Acetone

Concen: 2.514 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

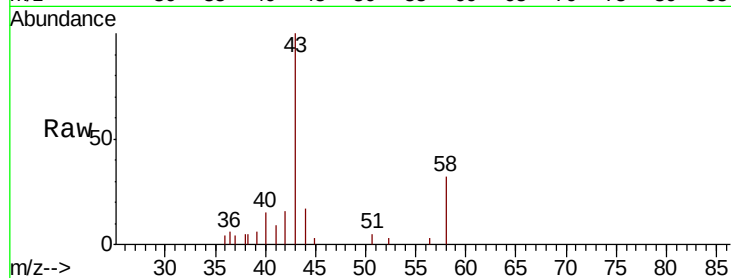
DUP-01_051319

Tot Ion: 43 Resp: 3519

Ion Ratio Lower Upper

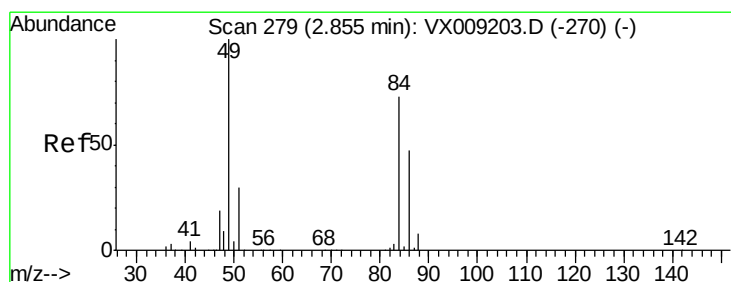
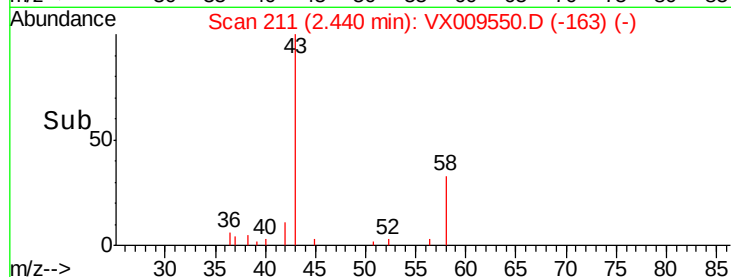
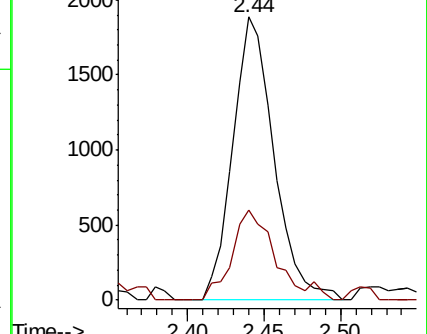
43 100

58 31.8 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 0.200 ug/l

RT: 2.85 min Scan# 279

Delta R.T. -0.00 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

Tgt Ion: 84 Resp: 454

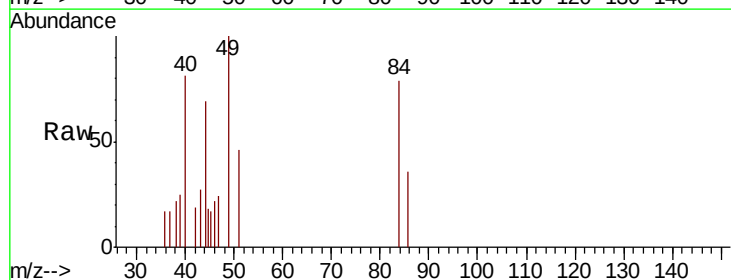
Ion Ratio Lower Upper

84 100

49 126.9 109.9 164.9

51 58.1 32.7 49.1#

86 45.5 52.0 78.0#

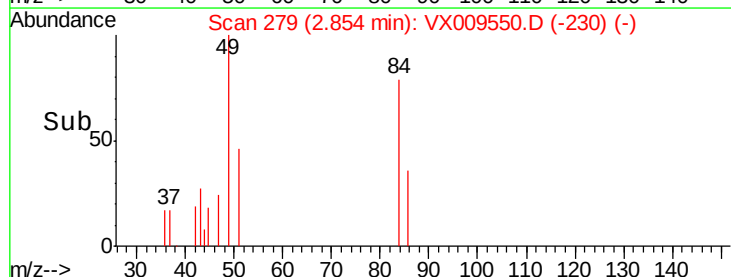
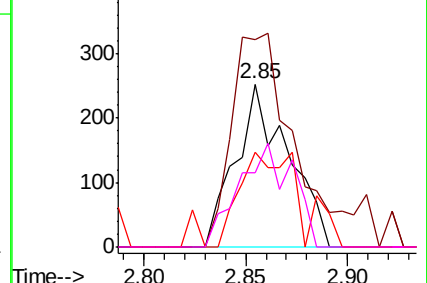


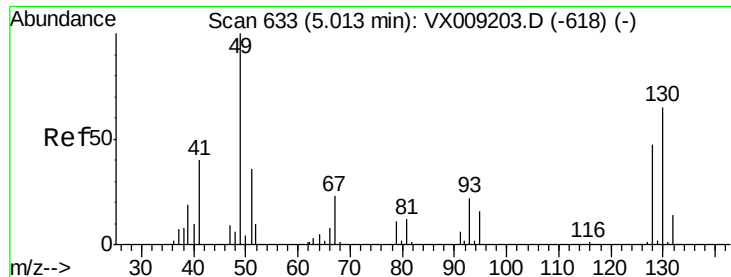
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.04 min Scan# 637

Delta R.T. 0.03 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-01_051319

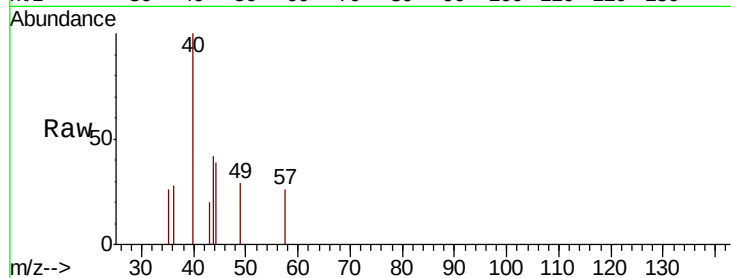
Tot Ion: 49 Resp: 56

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

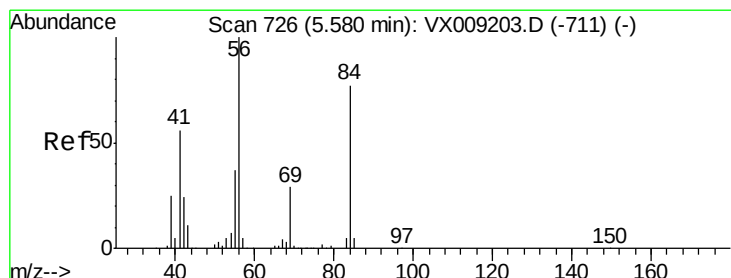
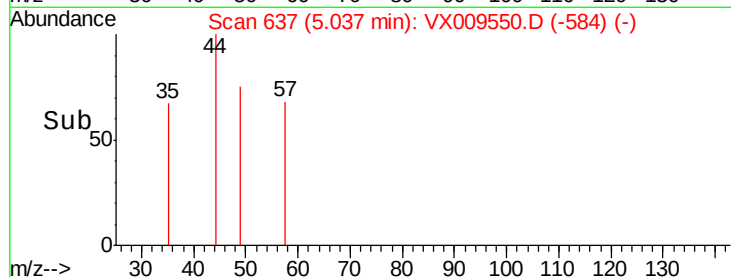
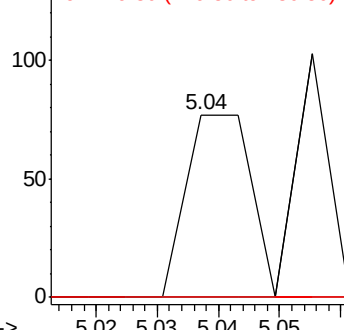
130 0.0 51.2 76.8#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 1.034 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

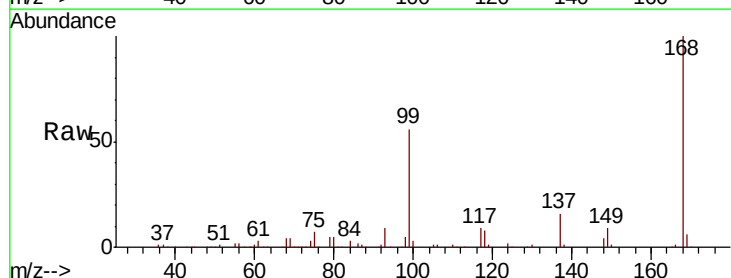
Tgt Ion: 56 Resp: 3984

Ion Ratio Lower Upper

56 100

69 177.8 23.4 35.0#

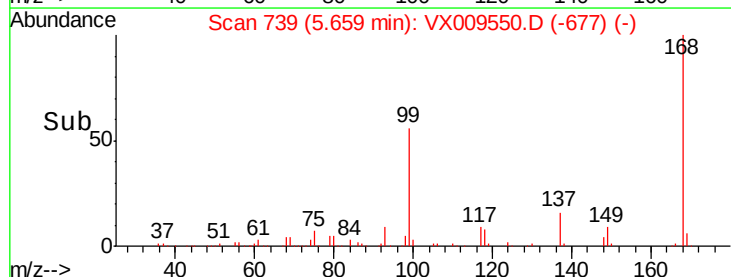
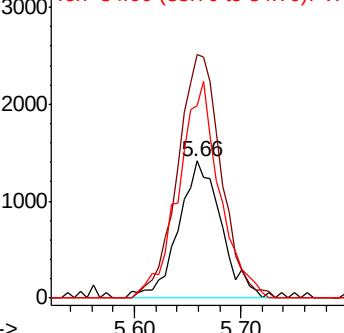
84 140.5 61.9 92.9#

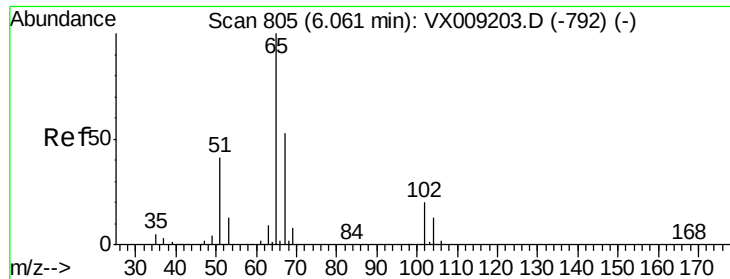


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

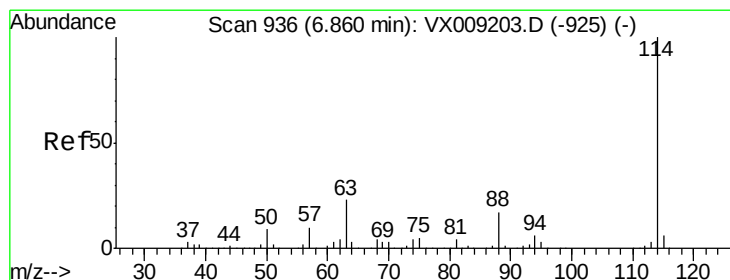
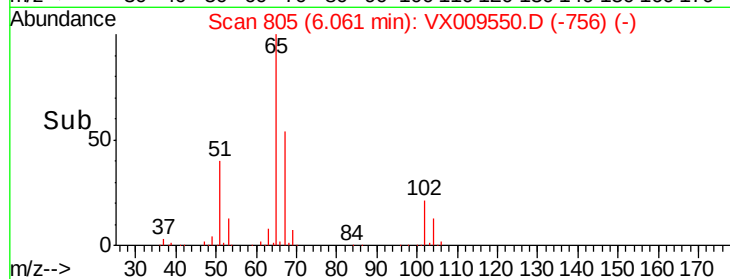
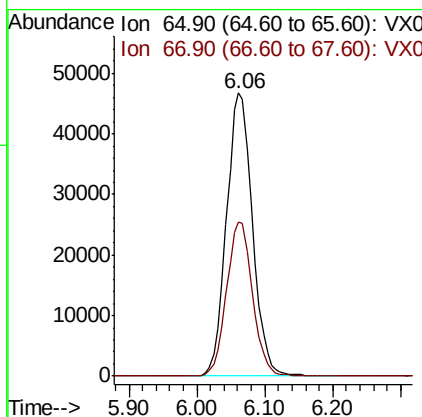
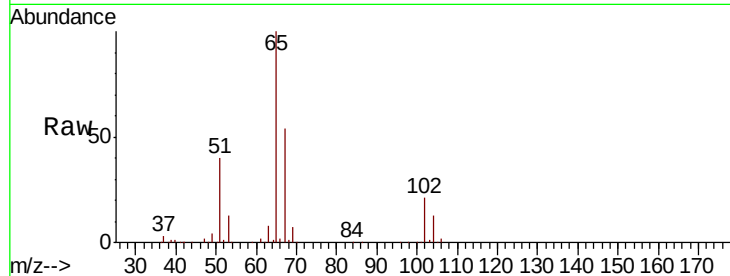




#33
 1,2-Dichloroethane-d4
 Concen: 47.479 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009550.D
 Acq: 13 May 2019 17:51

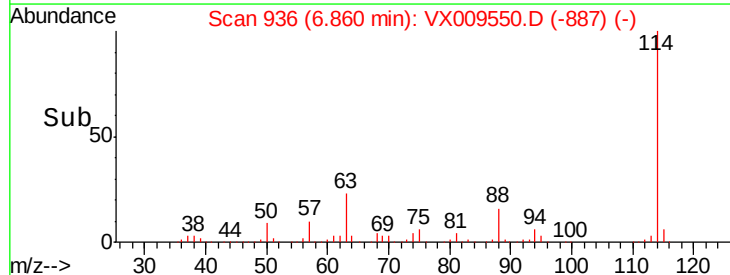
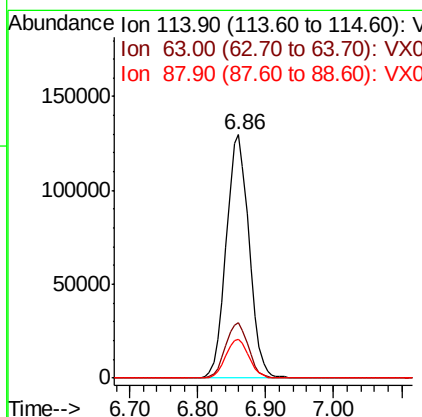
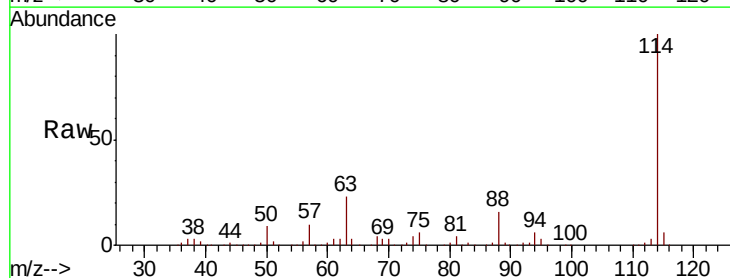
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-01_051319

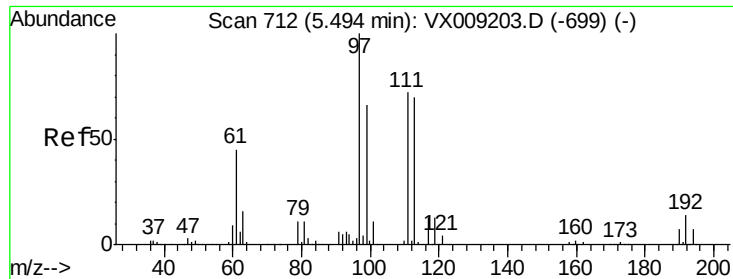
Tot Ion: 65 Resp: 123755
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009550.D
 Acq: 13 May 2019 17:51

Tgt Ion: 114 Resp: 302675
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.355 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-01_051319

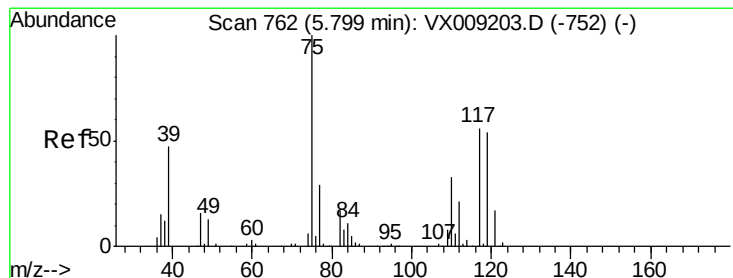
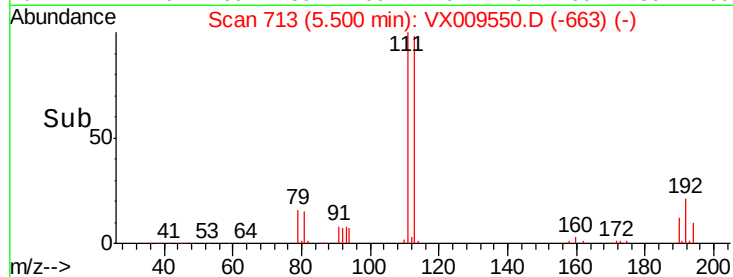
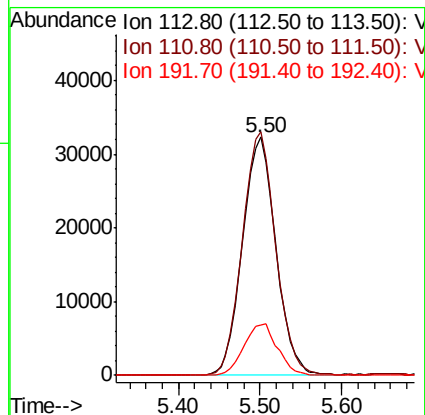
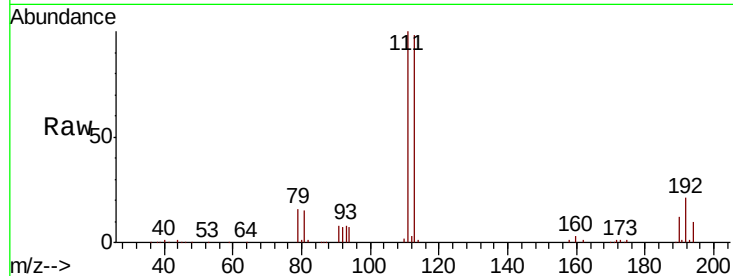
Tot Ion:113 Resp: 92007

Ion Ratio Lower Upper

113 100

111 101.9 82.8 124.2

192 21.7 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.149 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

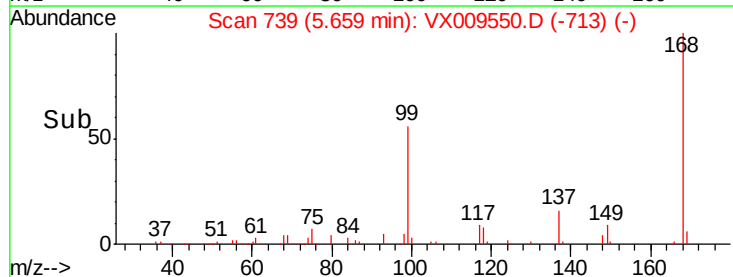
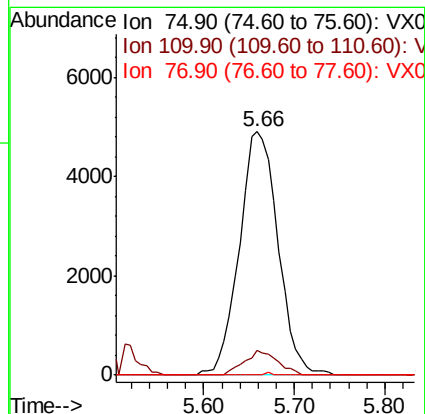
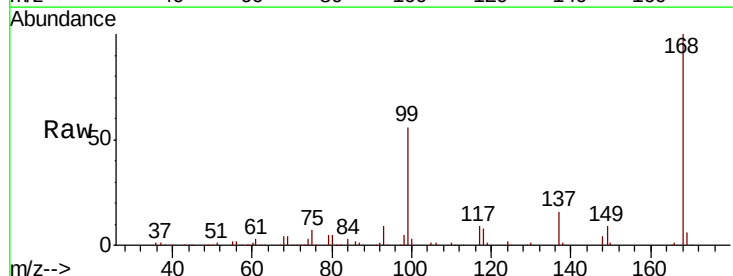
Tgt Ion: 75 Resp: 14483

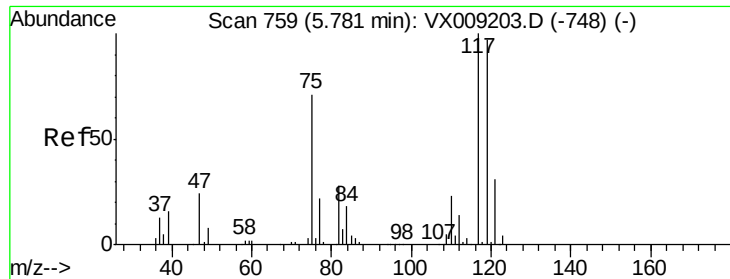
Ion Ratio Lower Upper

75 100

110 8.7 16.9 50.6#

77 0.1 24.8 37.2#





#38

Carbon Tetrachloride

Concen: 7.049 ug/l

RT: 5.66 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-01_051319

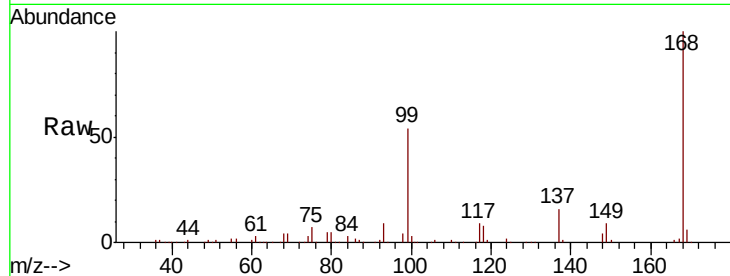
Tot Ion:117 Resp: 18015

Ion Ratio Lower Upper

117 100

119 7.0 77.5 116.3#

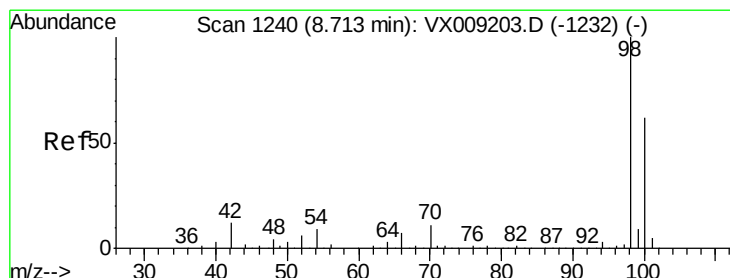
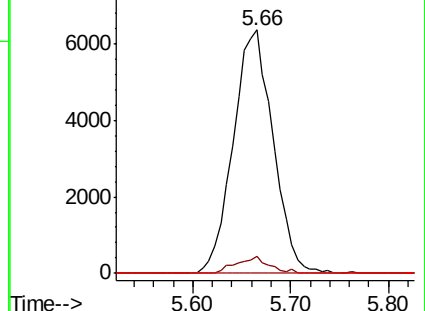
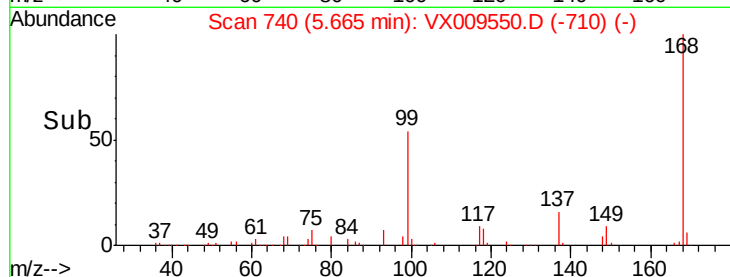
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 49.224 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009550.D

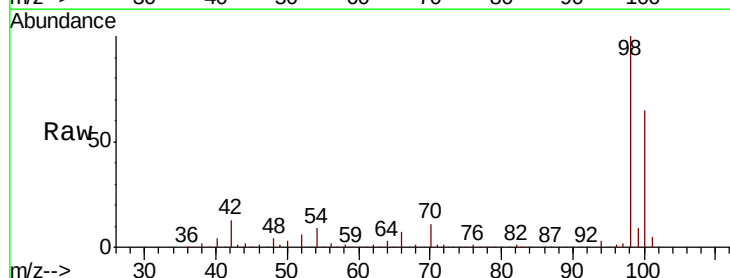
Acq: 13 May 2019 17:51

Tgt Ion: 98 Resp: 378128

Ion Ratio Lower Upper

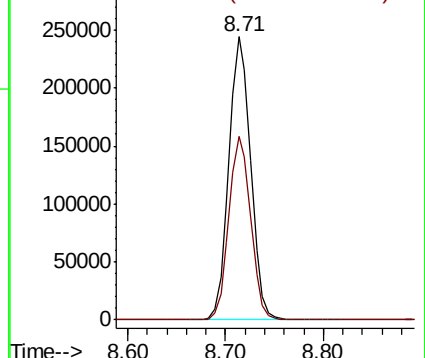
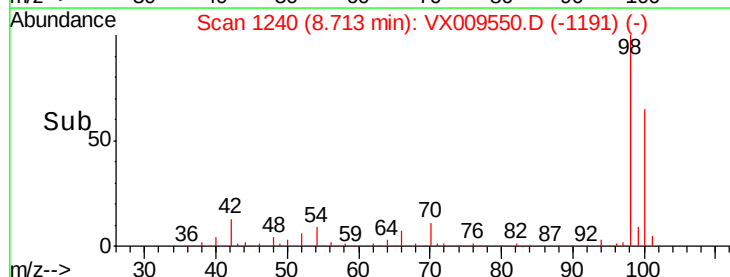
98 100

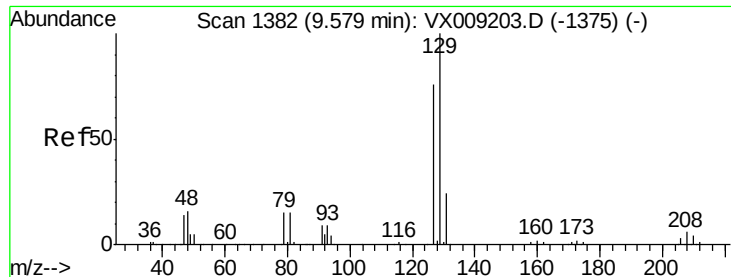
100 65.0 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#60

Dibromochloromethane

Concen: 1.101 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

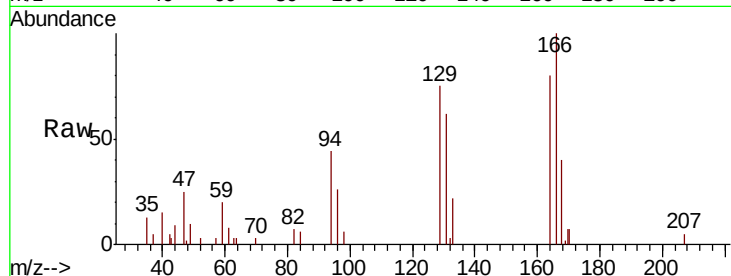
DUP-01_051319

Tot Ion:129 Resp: 2321

Ion Ratio Lower Upper

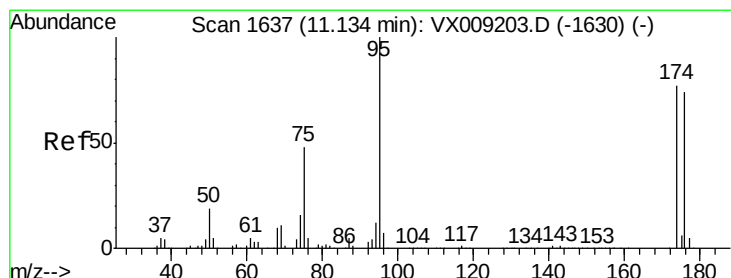
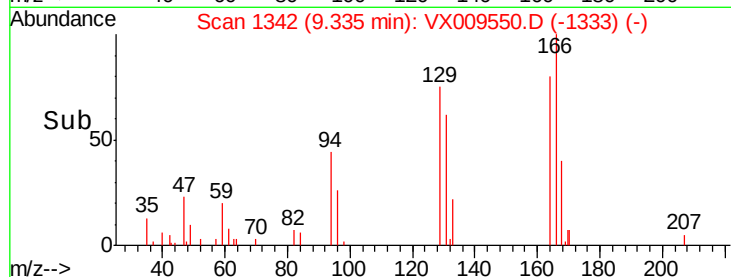
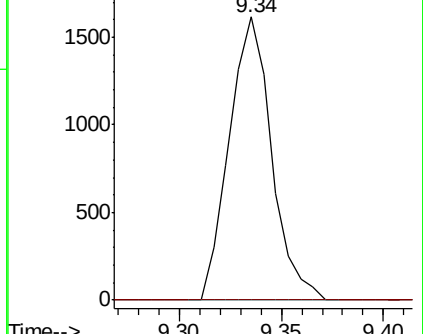
129 100

127 0.0 38.4 115.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 44.885 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

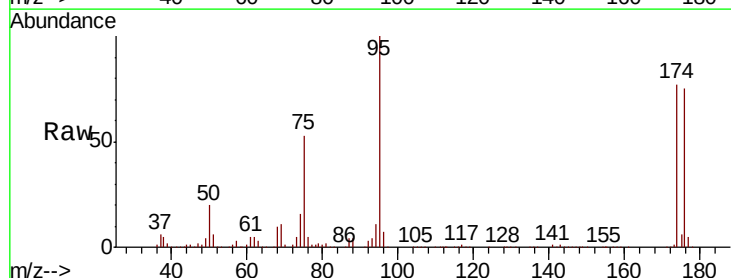
Tgt Ion: 95 Resp: 125288

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

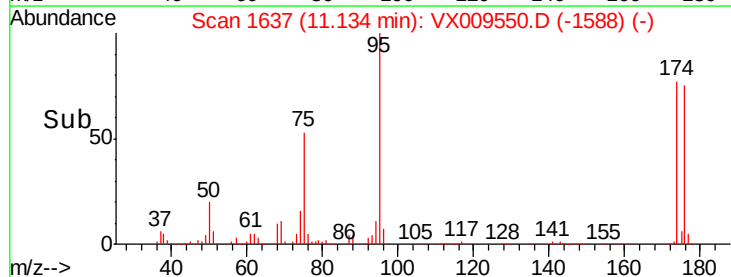
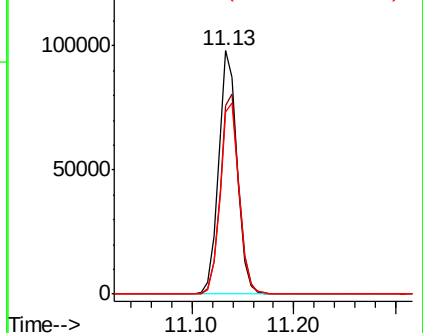
176 79.6 0.0 159.2

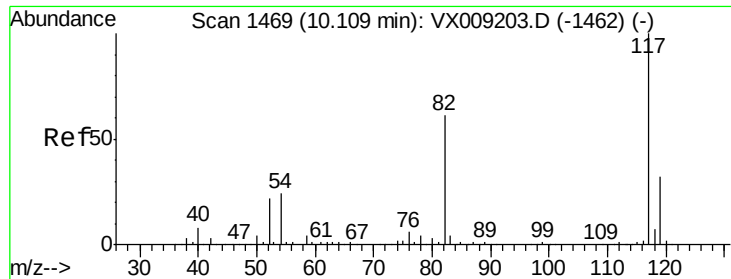


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

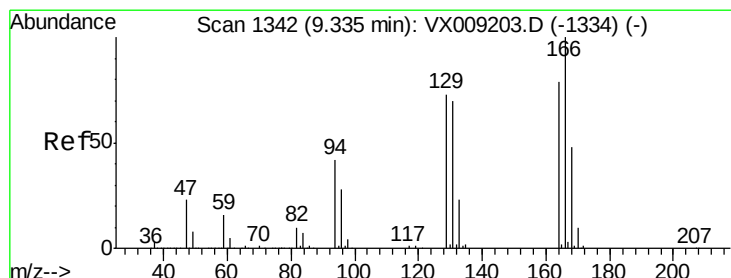
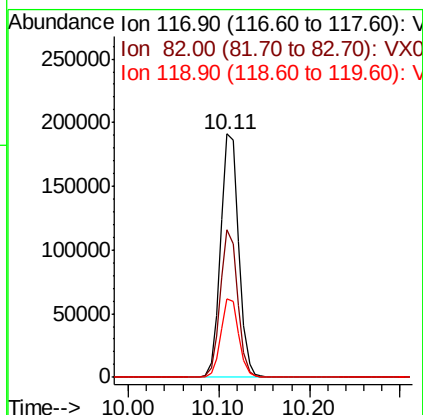
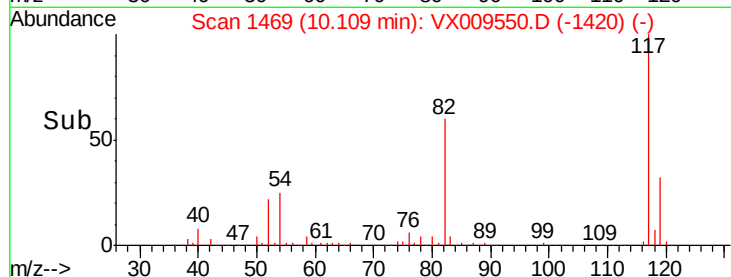
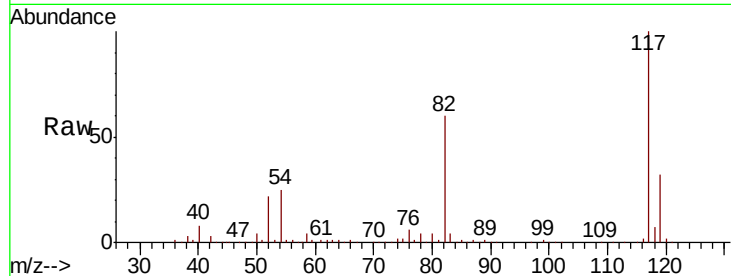




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009550.D
Acq: 13 May 2019 17:51

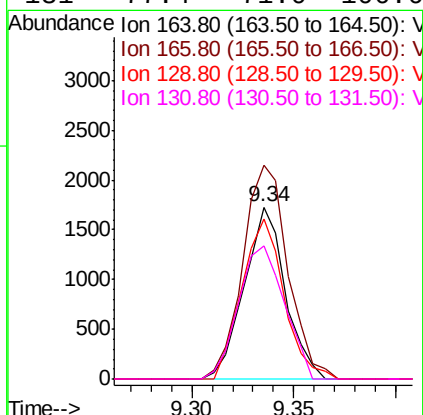
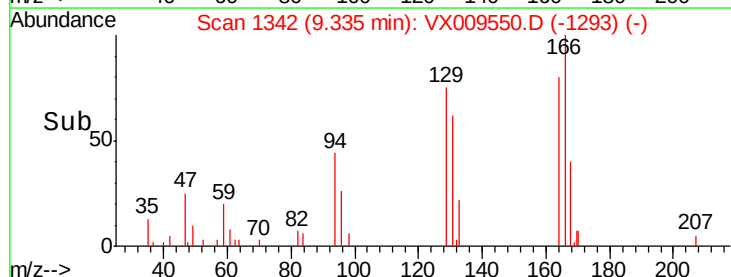
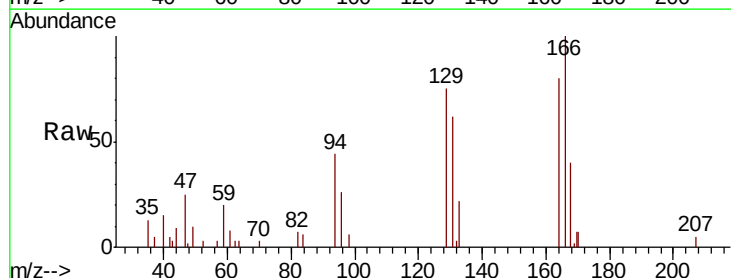
Instrument :
MSVOA_X
ClientSampleId :
DUP-01_051319

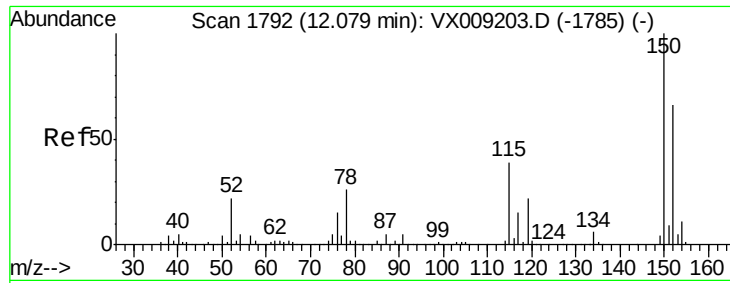
Tot Ion:117 Resp: 265948
Ion Ratio Lower Upper
117 100
82 60.4 48.8 73.2
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 1.321 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009550.D
Acq: 13 May 2019 17:51

Tgt Ion:164 Resp: 2410
Ion Ratio Lower Upper
164 100
166 124.3 101.2 151.8
129 93.5 74.3 111.5
131 77.4 71.0 106.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-01_051319

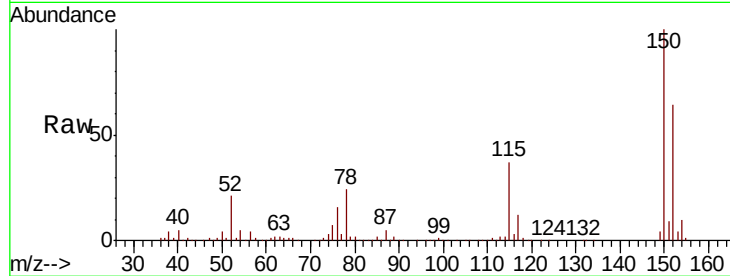
Tot Ion:152 Resp: 112653

Ion Ratio Lower Upper

152 100

115 58.2 41.2 123.6

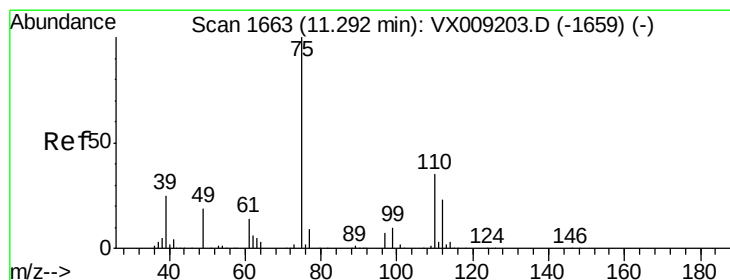
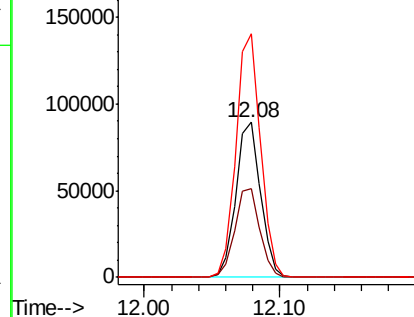
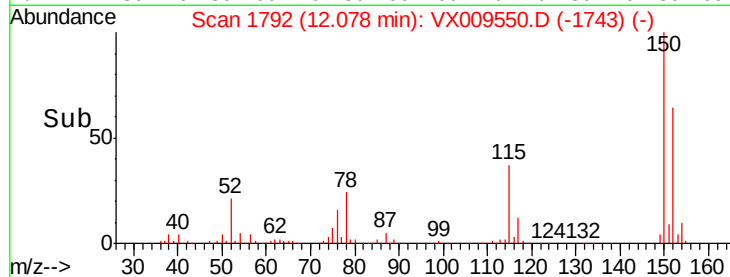
150 156.4 0.0 346.4



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



#76

1,2,3-Trichloropropane

Concen: 24.639 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009550.D

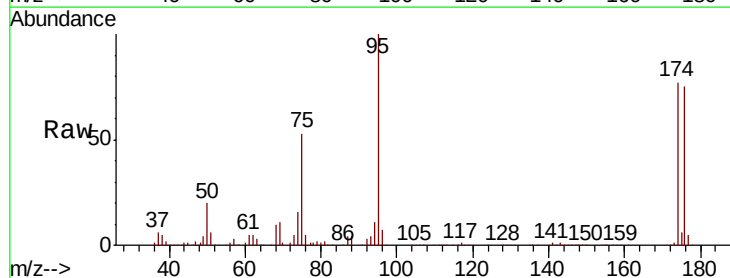
Acq: 13 May 2019 17:51

Tgt Ion: 75 Resp: 64385

Ion Ratio Lower Upper

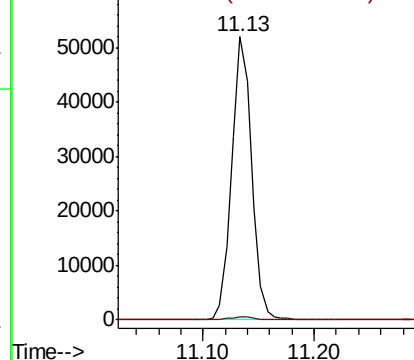
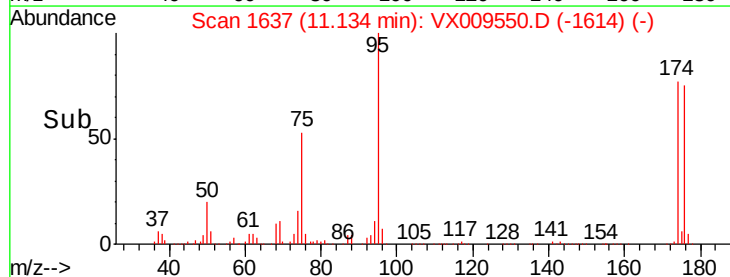
75 100

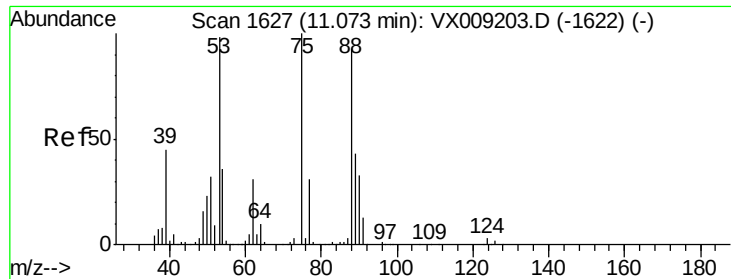
77 1.3 22.1 66.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.042 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009550.D

Acq: 13 May 2019 17:51

Instrument :

MSVOA_X

ClientSampleId :

DUP-01_051319

Tot Ion: 75 Resp: 64385

Ion Ratio Lower Upper

75 100

53 0.0 79.0 118.6#

89 0.0 34.7 52.1#

