

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100719\
 Data File : VX012868.D
 Acq On : 08 Oct 2019 04:03
 Operator : JC/SP
 Sample : K5216-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0541

Quant Time: Oct 08 13:12:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	180448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	309774	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	263439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	109278	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	119054	45.31	ug/l	0.00
Spiked Amount			Recovery	=	90.62%	
35) Dibromofluoromethane	5.49	113	92001	49.87	ug/l	0.00
Spiked Amount			Recovery	=	99.74%	
50) Toluene-d8	8.71	98	361702	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	11.14	95	130259	46.63	ug/l	0.00
Spiked Amount			Recovery	=	93.26%	

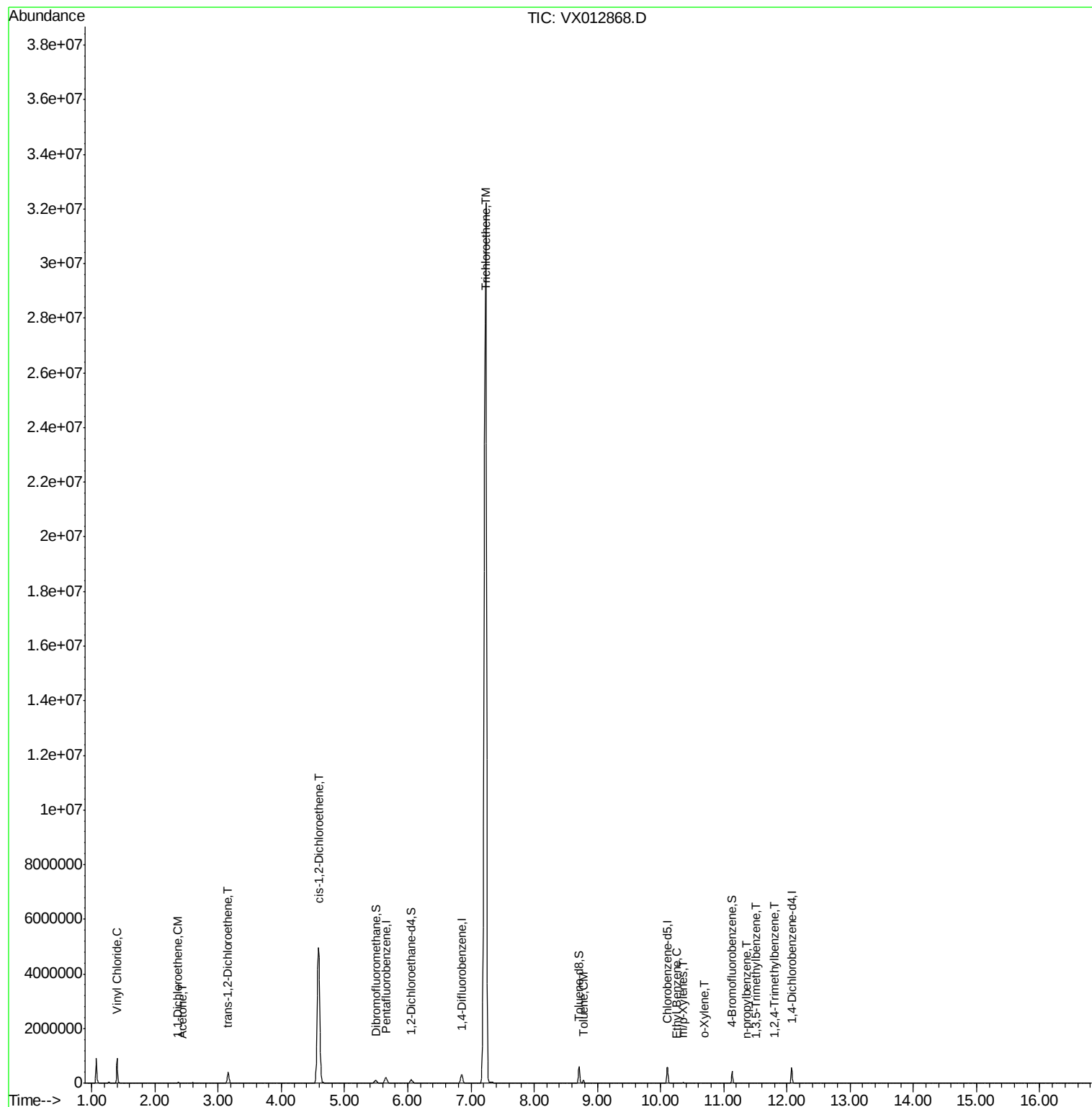
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	549932	237.352	ug/l	95
12) 1,1-Dichloroethene	2.36	96	7847	4.045	ug/l	97
16) Acetone	2.43	43	2082	1.496	ug/l	94
21) trans-1,2-Dichloroethene	3.16	96	163767	76.192	ug/l	97
27) cis-1,2-Dichloroethene	4.59	96	3230439	1295.293	ug/l	82
44) Trichloroethene	7.23	130	15379913	6847.909	ug/l	92
52) Toluene	8.78	92	38222	6.922	ug/l	100
67) Ethyl Benzene	10.25	91	5842	0.581	ug/l	94
68) m/p-Xylenes	10.36	106	5208	1.382	ug/l	85
69) o-Xylene	10.70	106	2409	0.661	ug/l	85
78) n-propylbenzene	11.35	91	2411	0.241	ug/l	98
80) 1,3,5-Trimethylbenzene	11.50	105	3218	0.431	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	6062	0.805	ug/l	98

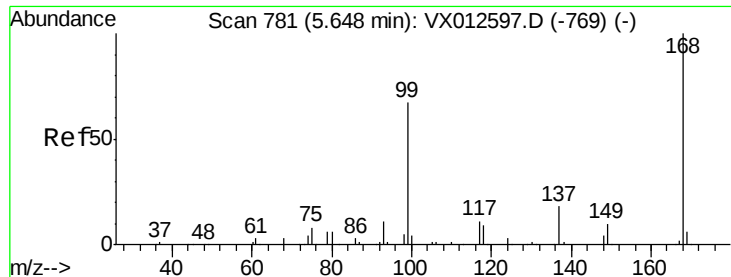
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012868.D

Acq: 08 Oct 2019 04:03

Instrument :

MSVOA_X

ClientSampleId :

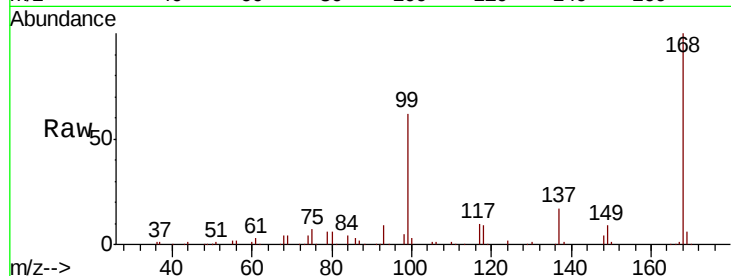
S49-0541

Tot Ion:168 Resp: 180448

Ion Ratio Lower Upper

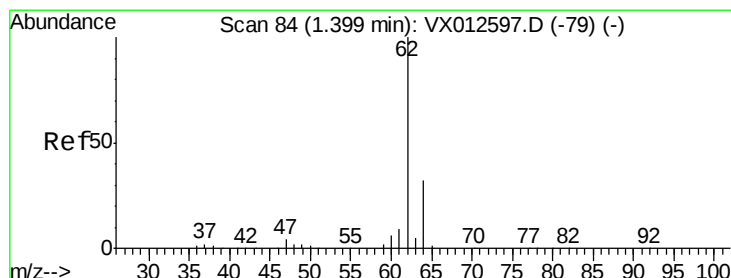
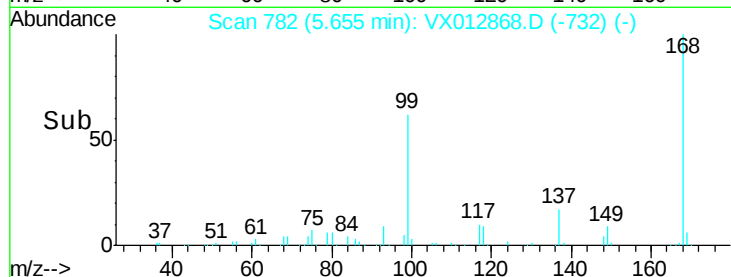
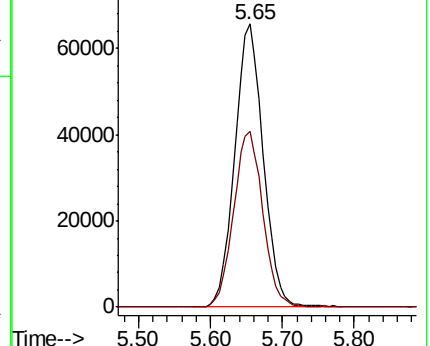
168 100

99 62.2 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 237.352 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012868.D

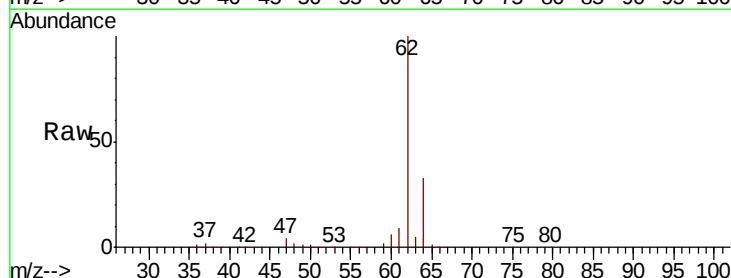
Acq: 08 Oct 2019 04:03

Tgt Ion: 62 Resp: 549932

Ion Ratio Lower Upper

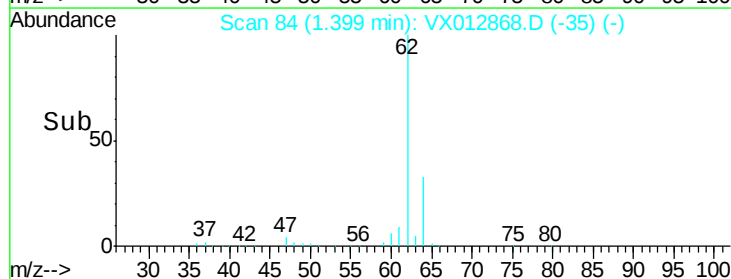
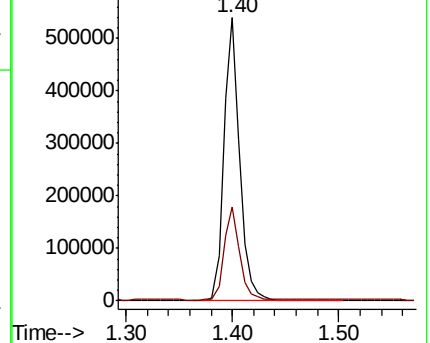
62 100

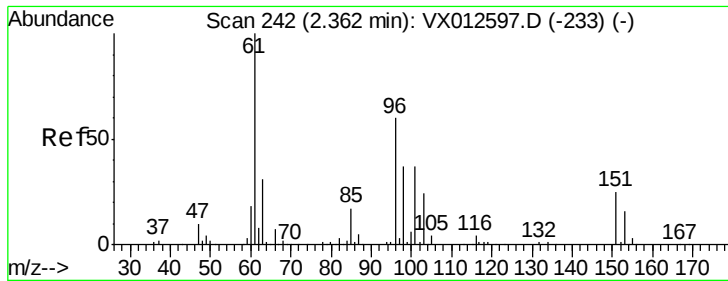
64 32.7 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 4.045 ug/l

RT: 2.36 min Scan# 242

Delta R.T. 0.00 min

Lab File: VX012868.D

Acq: 08 Oct 2019 04:03

Instrument :

MSVOA_X

ClientSampled :

S49-0541

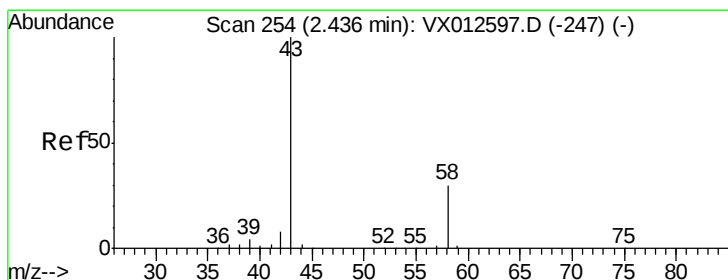
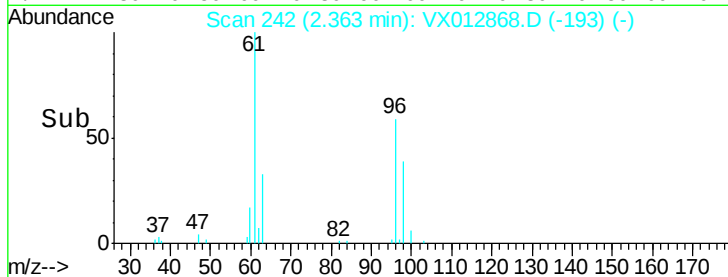
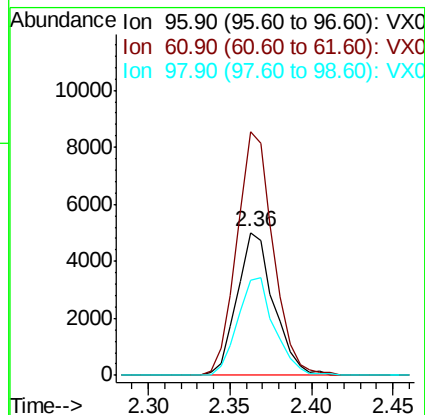
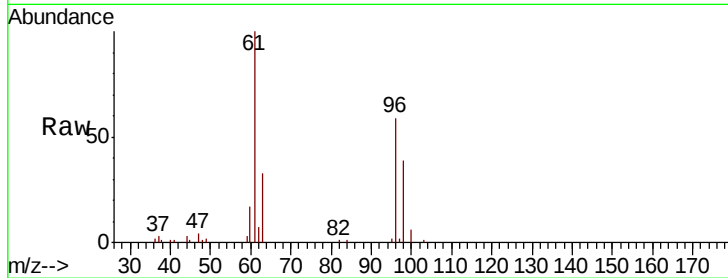
Tot Ion: 96 Resp: 7847

Ion Ratio Lower Upper

96 100

61 170.4 133.8 200.6

98 66.2 49.9 74.9



#16

Acetone

Concen: 1.496 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX012868.D

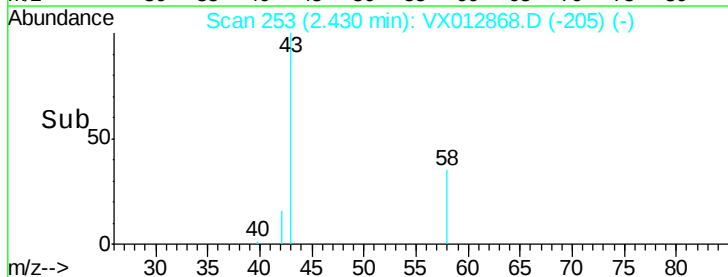
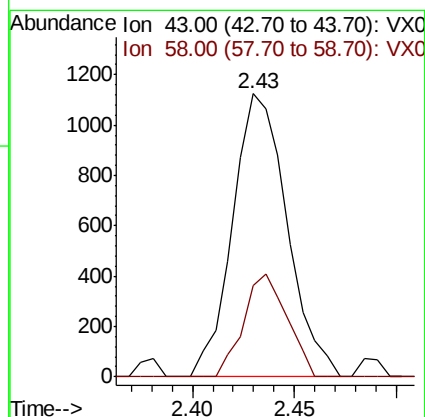
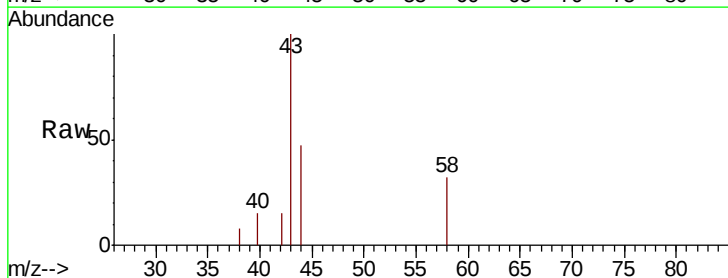
Acq: 08 Oct 2019 04:03

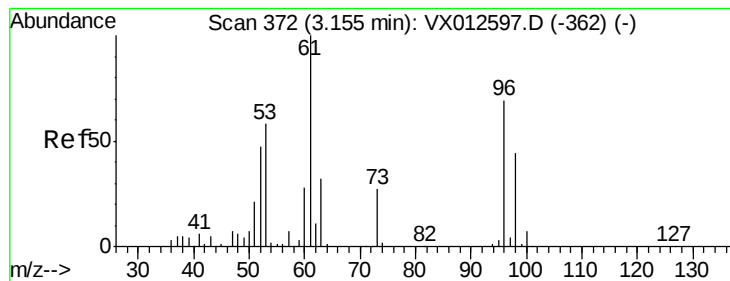
Tgt Ion: 43 Resp: 2082

Ion Ratio Lower Upper

43 100

58 32.3 23.3 34.9





#21

trans-1,2-Dichloroethene

Concen: 76.192 ug/l

RT: 3.16 min Scan# 372

Delta R.T. 0.01 min

Lab File: VX012868.D

Acq: 08 Oct 2019 04:03

Instrument :

MSVOA_X

ClientSampled :

S49-0541

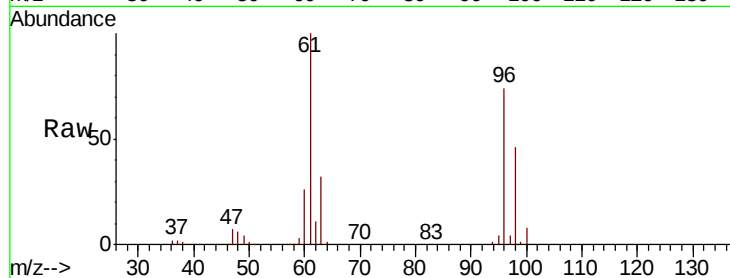
Tot Ion: 96 Resp: 163767

Ion Ratio Lower Upper

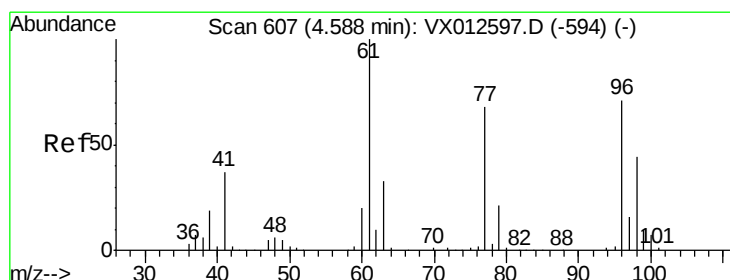
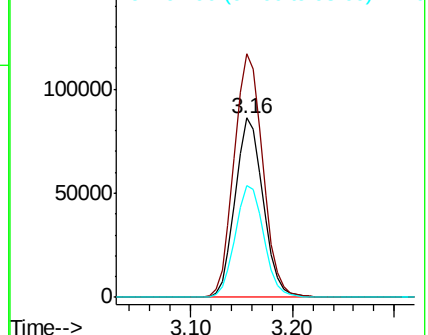
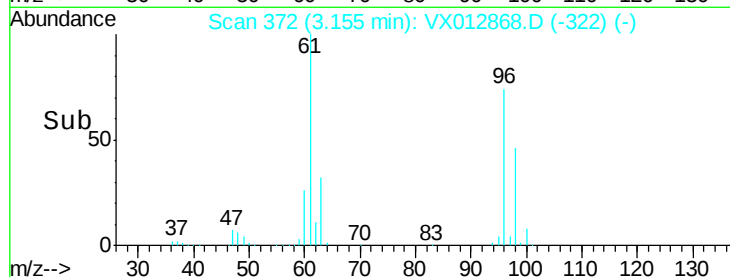
96 100

61 135.8 112.0 168.0

98 62.0 47.8 71.8



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: 1295.293 ug/l

RT: 4.59 min Scan# 607

Delta R.T. 0.01 min

Lab File: VX012868.D

Acq: 08 Oct 2019 04:03

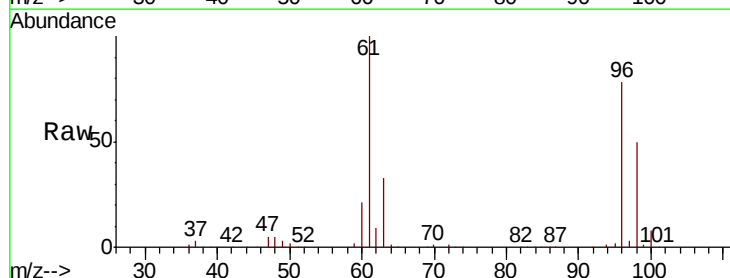
Tgt Ion: 96 Resp: 3230439

Ion Ratio Lower Upper

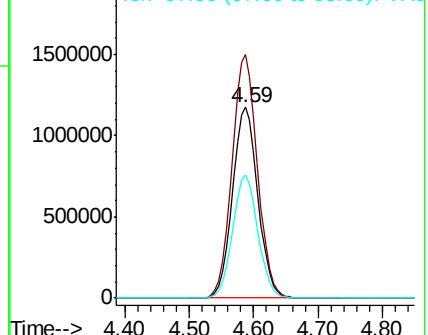
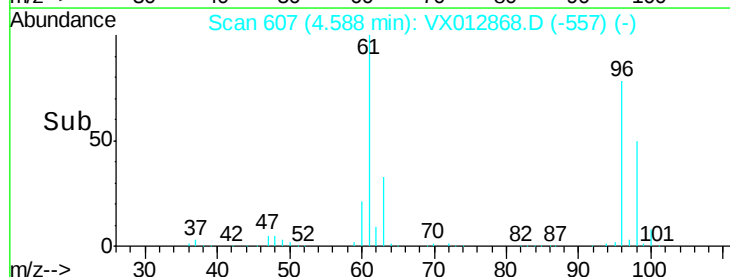
96 100

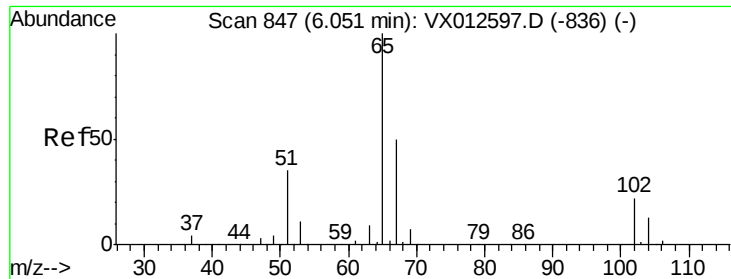
61 127.7 0.0 319.4

98 64.4 0.0 130.6



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: 45.308 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012868.D

Acq: 08 Oct 2019 04:03

Instrument :

MSVOA_X

ClientSampled :

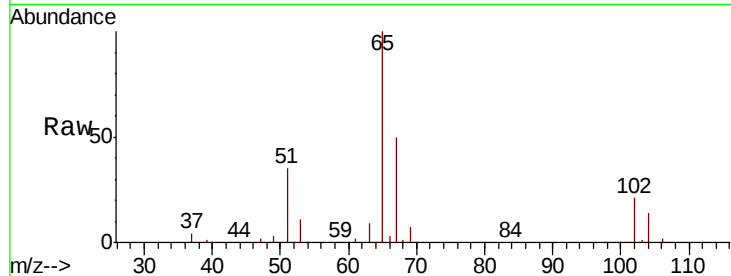
S49-0541

Tot Ion: 65 Resp: 119054

Ion Ratio Lower Upper

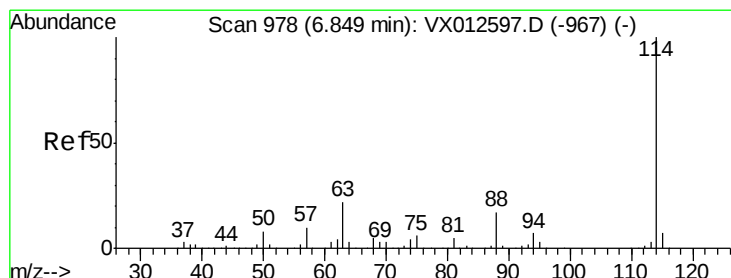
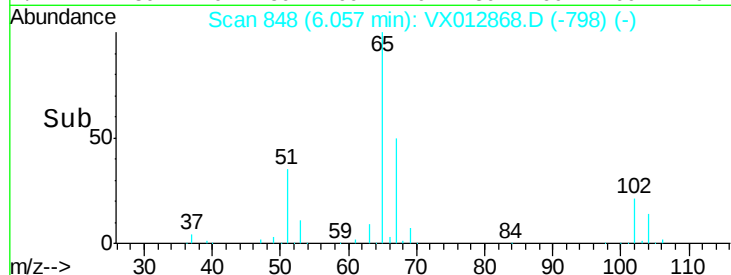
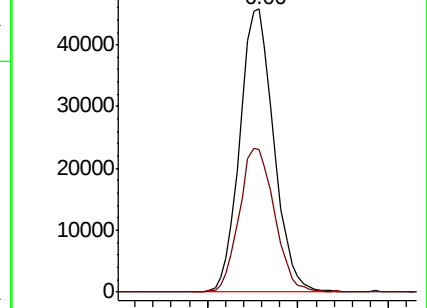
65 100

67 52.6 0.0 101.2



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: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX012868.D

Acq: 08 Oct 2019 04:03

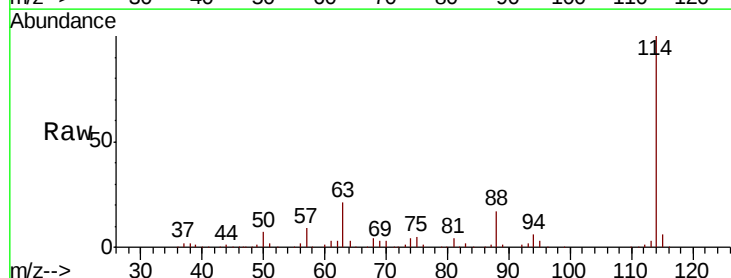
Tgt Ion: 114 Resp: 309774

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.2

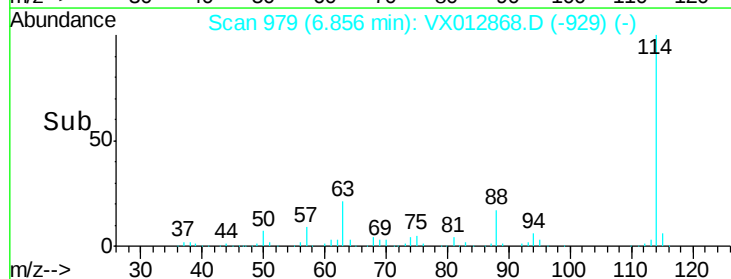
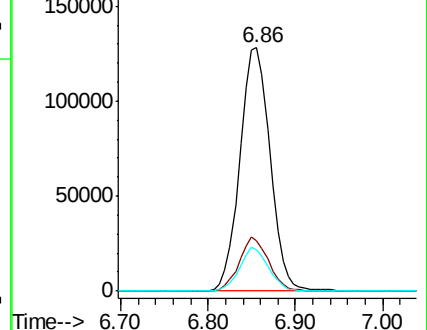
88 17.2 0.0 33.2

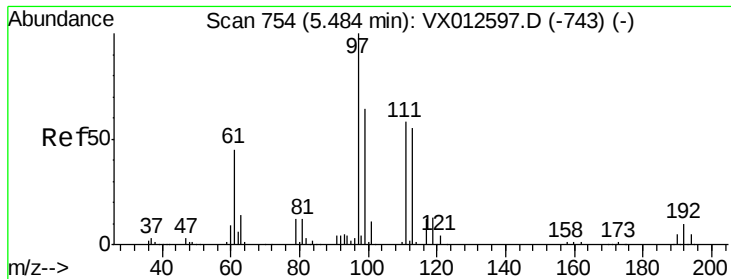


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

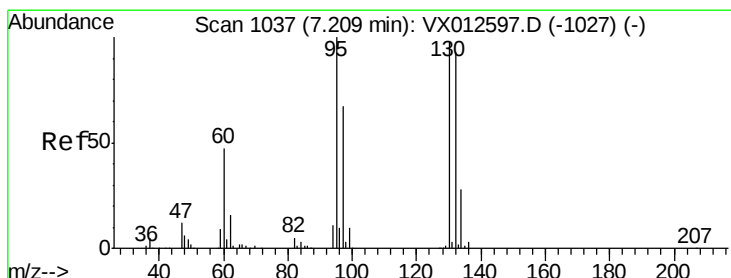
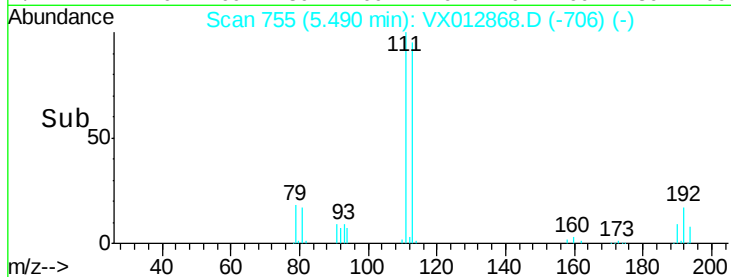
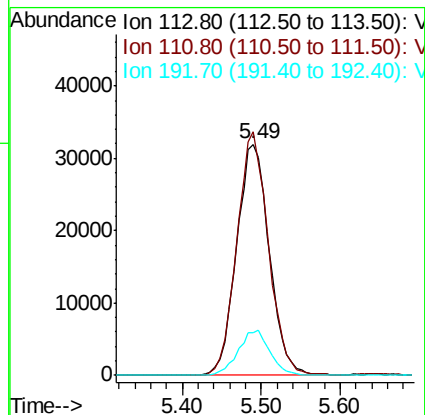
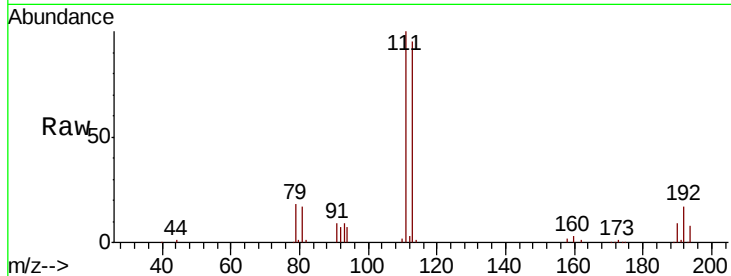




#35
 Dibromofluoromethane
 Concen: 49.869 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012868.D
 Acq: 08 Oct 2019 04:03

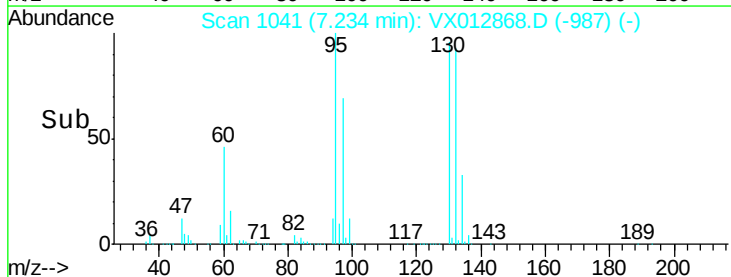
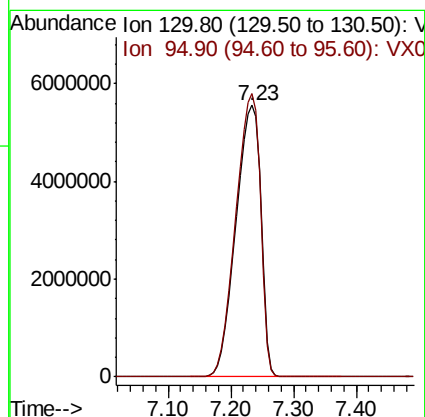
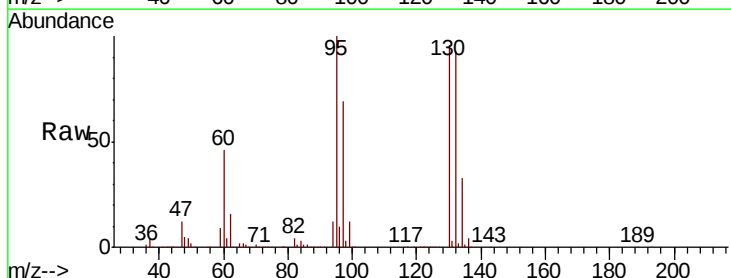
Instrument :
 MSVOA_X
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 S49-0541

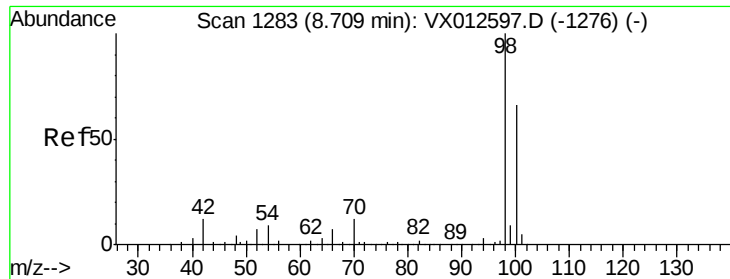
Tot Ion:113 Resp: 92001
 Ion Ratio Lower Upper
 113 100
 111 101.7 83.4 125.2
 192 18.8 14.4 21.6



#44
 Trichloroethene
 Concen: 6847.909 ug/l
 RT: 7.23 min Scan# 1041
 Delta R.T. 0.03 min
 Lab File: VX012868.D
 Acq: 08 Oct 2019 04:03

Tgt Ion:130 Resp:15379913
 Ion Ratio Lower Upper
 130 100
 95 104.3 0.0 193.0

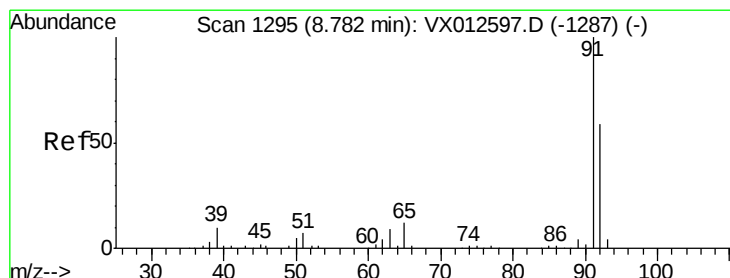
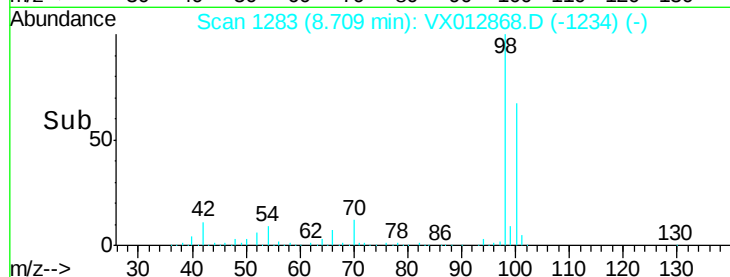
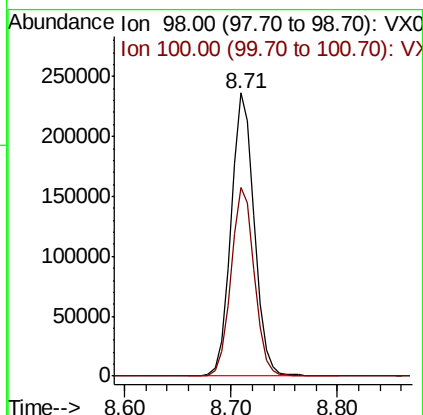
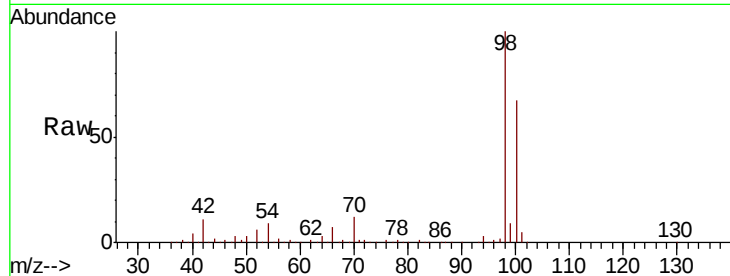




#50
Toluene-d8
Concen: 50.911 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012868.D
Acq: 08 Oct 2019 04:03

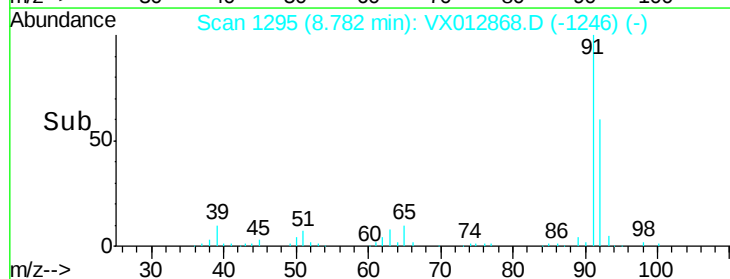
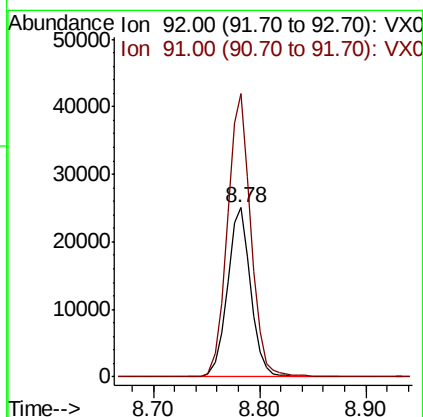
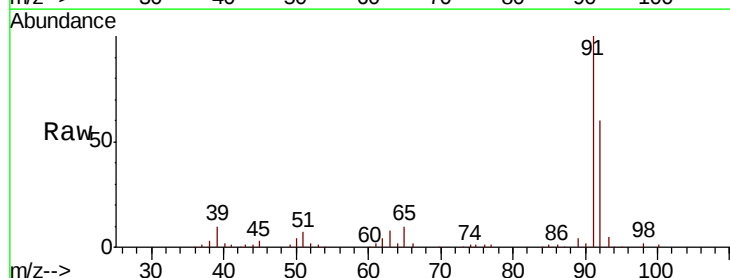
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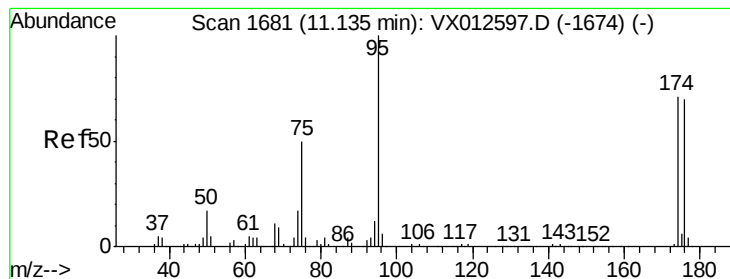
Tot Ion: 98 Resp: 361702
Ion Ratio Lower Upper
98 100
100 67.1 53.4 80.2



#52
Toluene
Concen: 6.922 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX012868.D
Acq: 08 Oct 2019 04:03

Tgt Ion: 92 Resp: 38222
Ion Ratio Lower Upper
92 100
91 168.6 135.4 203.0





#62

4-Bromofluorobenzene

Concen: 46.629 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012868.D

Acq: 08 Oct 2019 04:03

Instrument :

MSVOA_X

ClientSampleId :

S49-0541

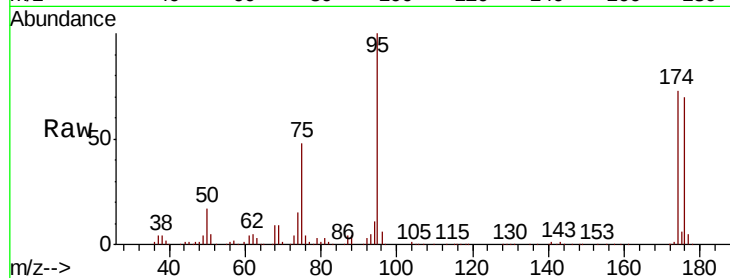
Tot Ion: 95 Resp: 130259

Ion Ratio Lower Upper

95 100

174 70.1 0.0 140.0

176 68.0 0.0 135.4

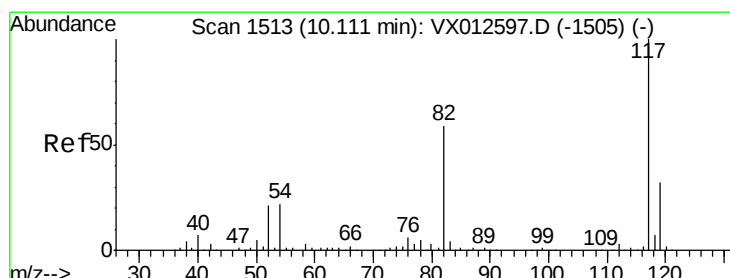
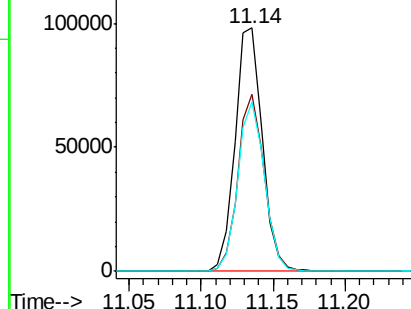
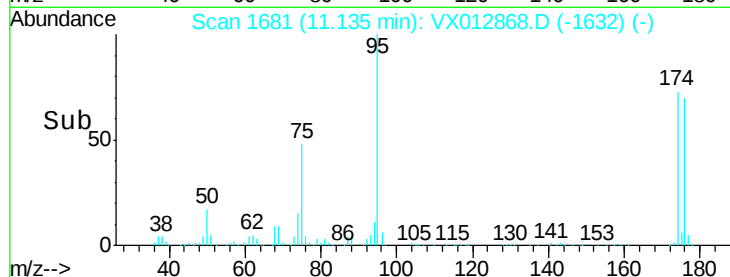


Abundance Ion 94.90 (94.60 to 95.60): VX012597.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012597.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012597.D (-1674) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012868.D

Acq: 08 Oct 2019 04:03

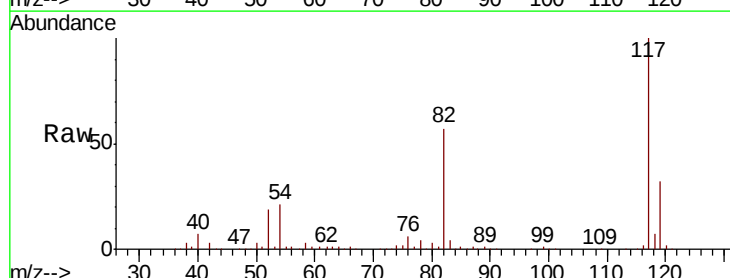
Tgt Ion: 117 Resp: 263439

Ion Ratio Lower Upper

117 100

82 56.7 45.9 68.9

119 32.0 25.3 37.9

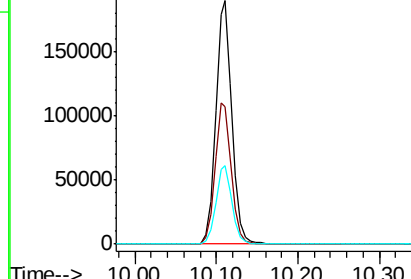
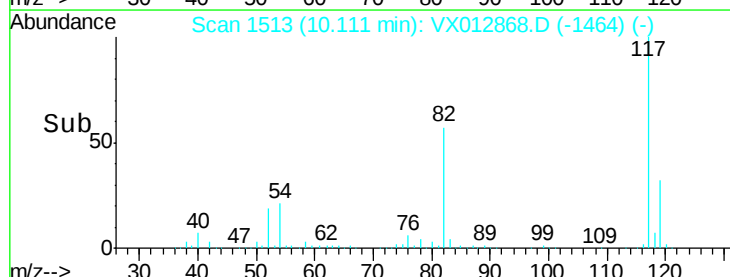


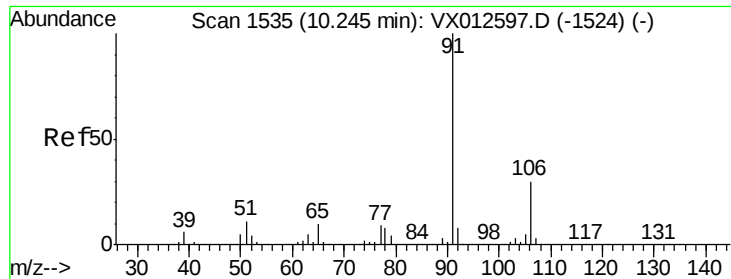
Abundance Ion 116.90 (116.60 to 117.60): VX012597.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012597.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012597.D (-1505) (-)

Time-->

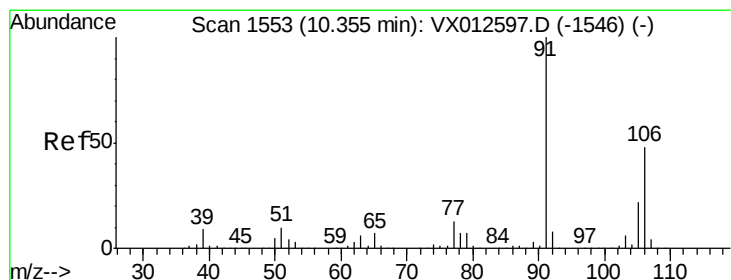
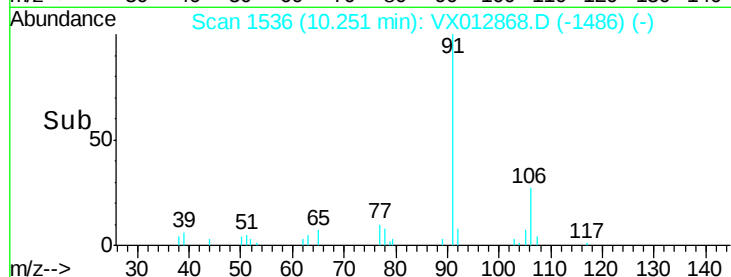
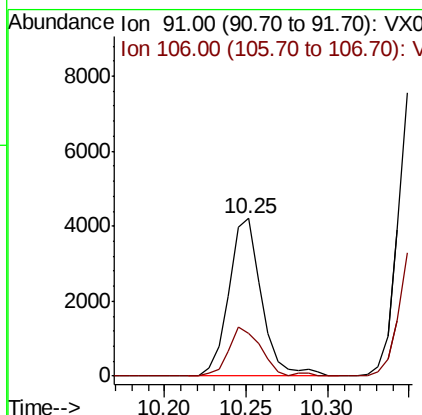
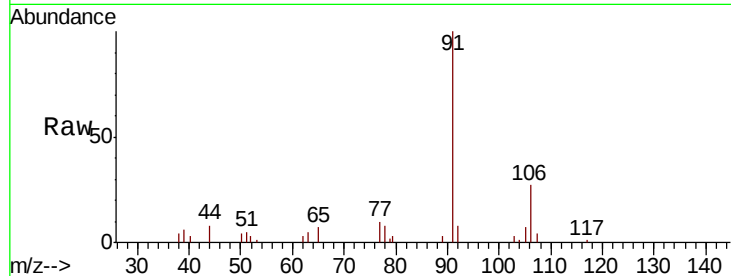




#67
Ethyl Benzene
Concen: 0.581 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX012868.D
Acq: 08 Oct 2019 04:03

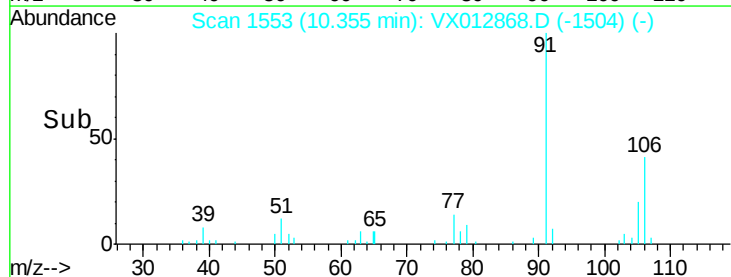
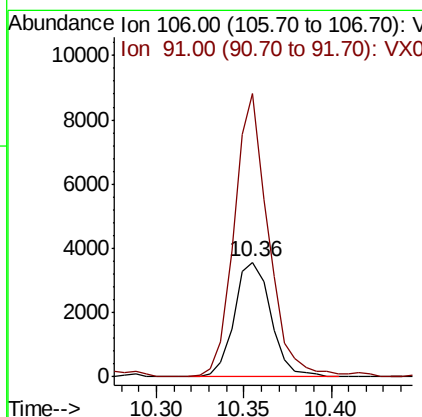
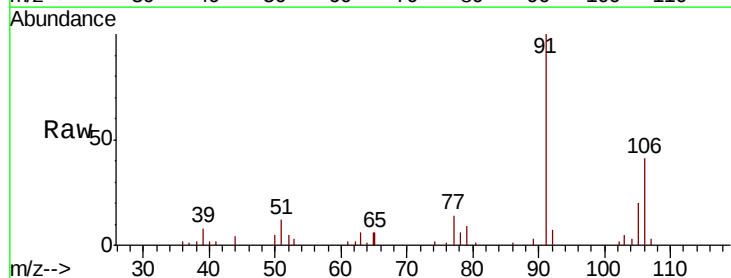
Instrument :
MSVOA_X
ClientSampled :
S49-0541

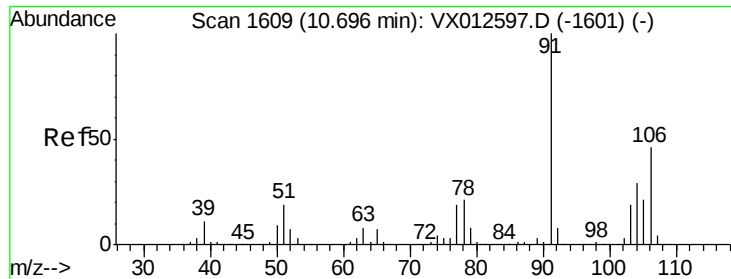
Tot Ion: 91 Resp: 5842
Ion Ratio Lower Upper
91 100
106 27.3 24.6 37.0



#68
m/p-Xylenes
Concen: 1.382 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012868.D
Acq: 08 Oct 2019 04:03

Tgt Ion: 106 Resp: 5208
Ion Ratio Lower Upper
106 100
91 231.5 166.6 250.0

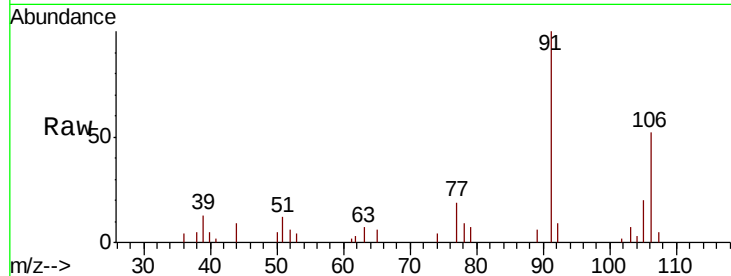




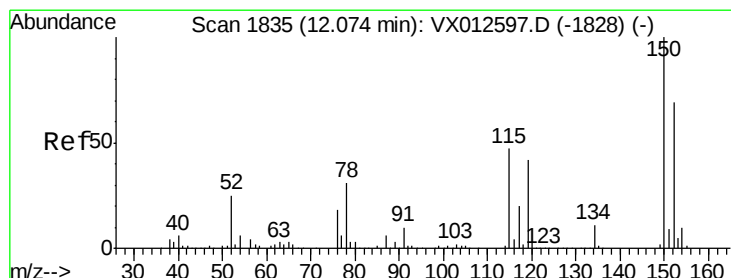
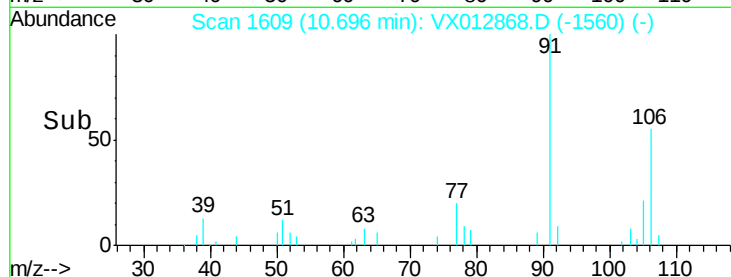
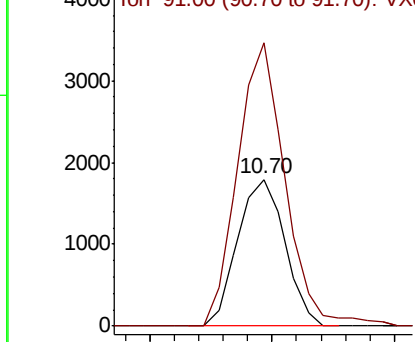
#69
o-Xylene
Concen: 0.661 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012868.D
Acq: 08 Oct 2019 04:03

Instrument :
MSVOA_X
ClientSampled :
S49-0541

Tot Ion:106 Resp: 2409
Ion Ratio Lower Upper
106 100
91 194.7 109.4 328.2

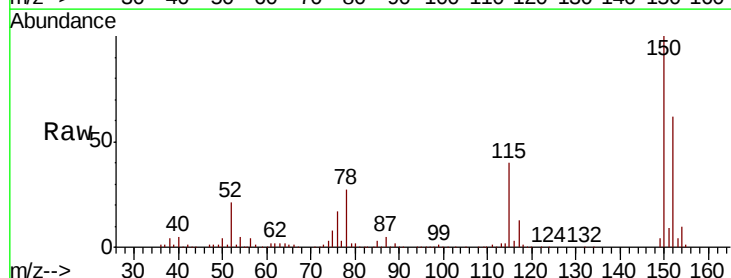


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

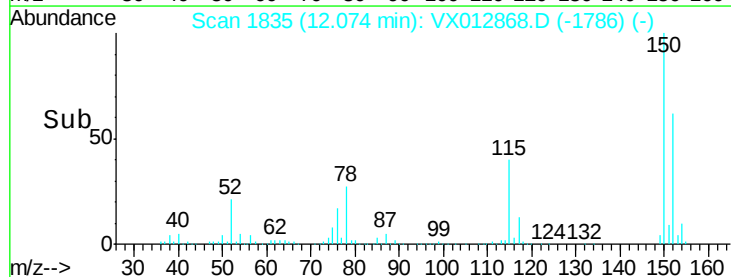
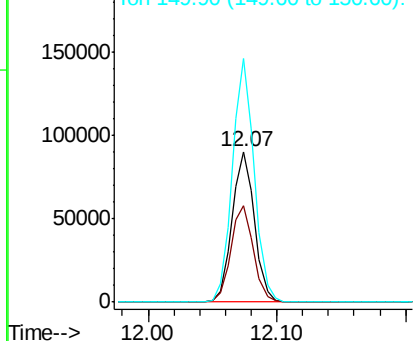


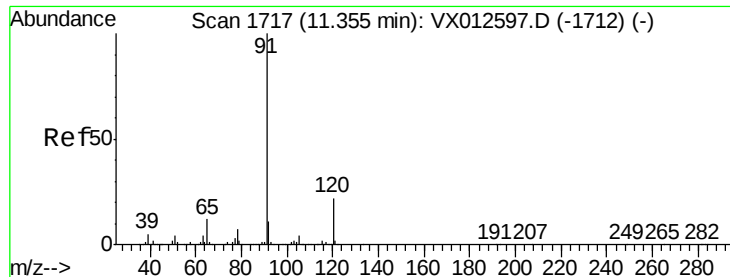
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012868.D
Acq: 08 Oct 2019 04:03

Tgt Ion:152 Resp: 109278
Ion Ratio Lower Upper
152 100
115 64.7 44.1 132.3
150 158.4 0.0 343.8



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





#78

n-propylbenzene

Concen: 0.241 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX012868.D

Acq: 08 Oct 2019 04:03

Instrument :

MSVOA_X

ClientSampleId :

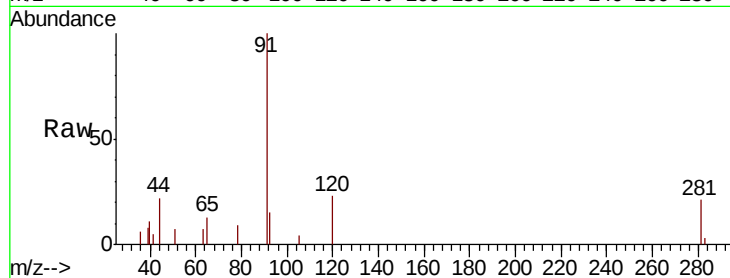
S49-0541

Tot Ion: 91 Resp: 2411

Ion Ratio Lower Upper

91 100

120 21.6 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VX012597.D (-1712) (-)

Ion 120.00 (119.70 to 120.70): VX012597.D (-1712) (-)

11.35

2000

1500

1000

500

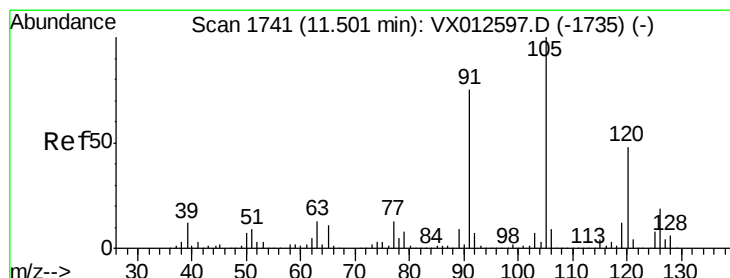
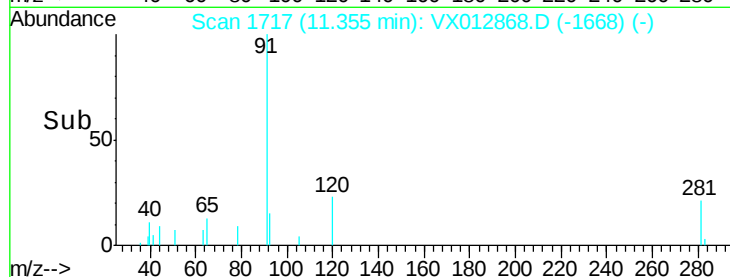
0

Time-->

11.30

11.35

11.40



#80

1,3,5-Trimethylbenzene

Concen: 0.431 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX012868.D

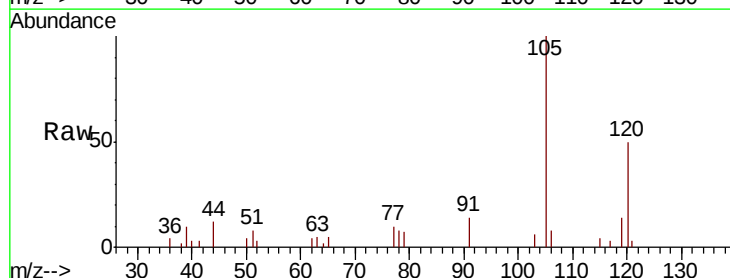
Acq: 08 Oct 2019 04:03

Tgt Ion: 105 Resp: 3218

Ion Ratio Lower Upper

105 100

120 49.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VX012597.D (-1735) (-)

Ion 120.00 (119.70 to 120.70): VX012597.D (-1735) (-)

11.50

3000

2500

2000

1500

1000

500

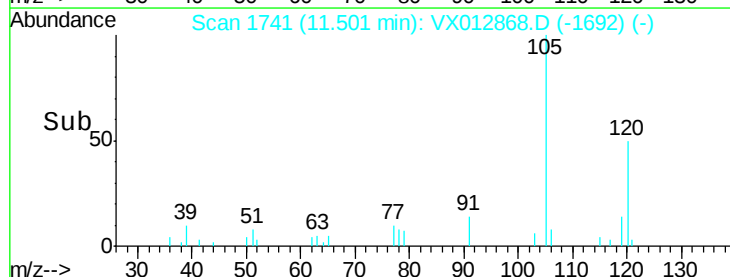
0

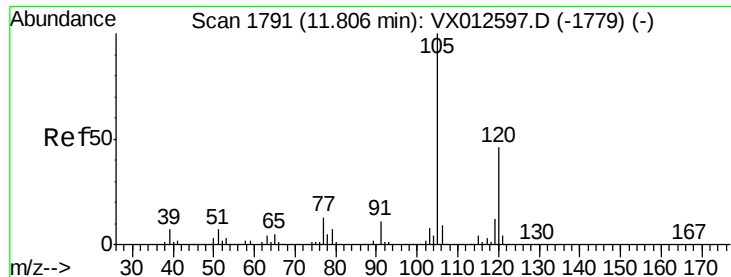
Time-->

11.45

11.50

11.55





#84
 1,2,4-Trimethylbenzene
 Concen: 0.805 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX012868.D
 Acq: 08 Oct 2019 04:03

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0541

Tot Ion:105 Resp: 6062
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.2 66.6

