

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009583.D
 Acq On : 15 May 2019 16:24
 Operator : JC/SP
 Sample : K2857-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:11:21 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	182101	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	294349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	259731	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110768	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	121153	48.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.48%	
35) Dibromofluoromethane	5.50	113	89456	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	8.71	98	369077	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
62) 4-Bromofluorobenzene	11.13	95	120697	44.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.92%	

Target Compounds

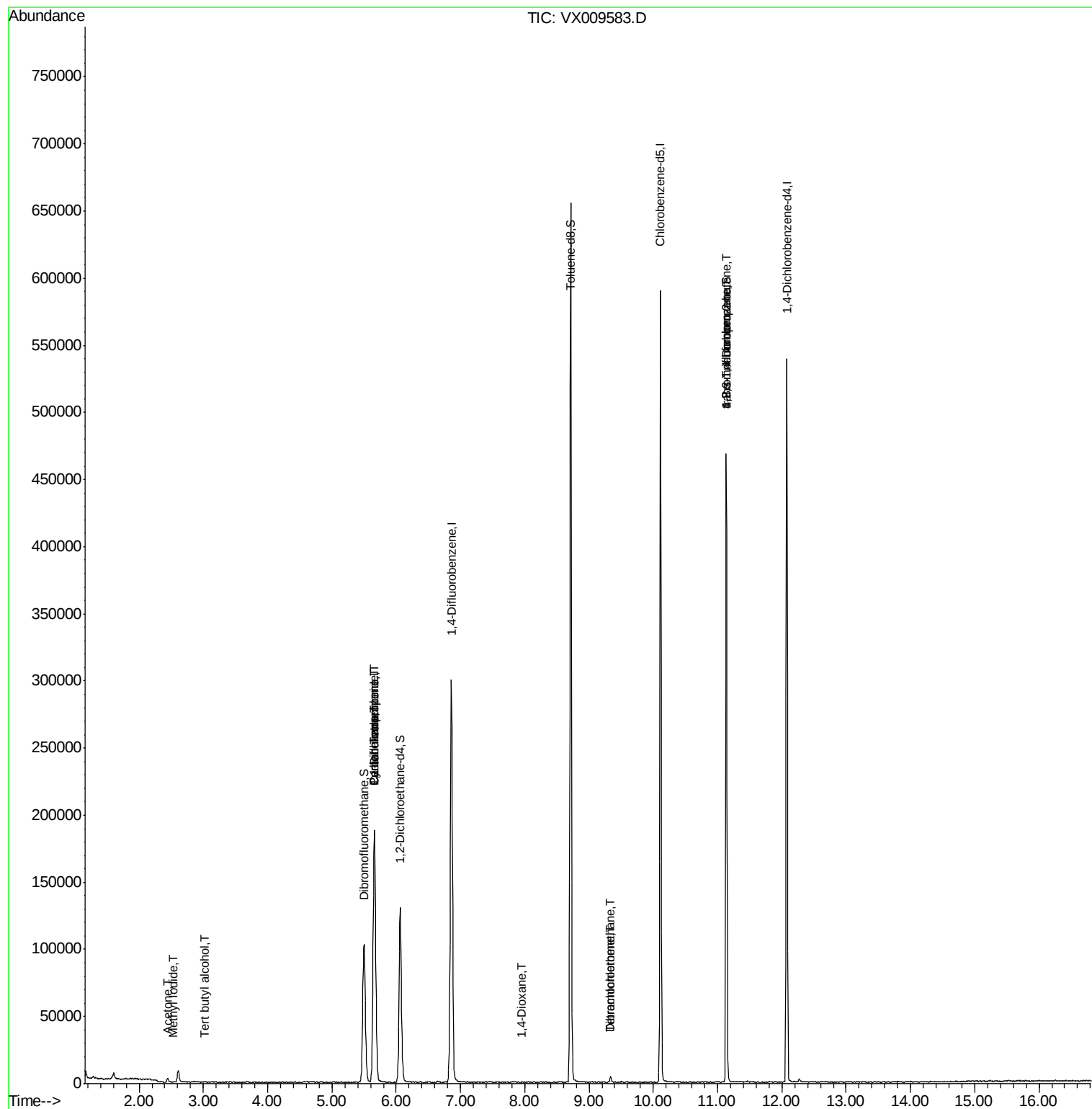
						Qvalue
10) Methyl Iodide	2.52	142	45	4.614	ug/l #	42
11) Tert butyl alcohol	3.02	59	221	0.384	ug/l #	73
16) Acetone	2.44	43	3236	2.424	ug/l #	89
28) Bromochloromethane	4.96	49	64	Below Cal	#	20
31) Cyclohexane	5.66	56	4015	1.092	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	13864	5.068	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17201	6.921	ug/l #	19
49) 1,4-Dioxane	7.95	88	19	0.310	ug/l #	1
60) Dibromochloromethane	9.34	129	705	0.344	ug/l #	11
64) Tetrachloroethene	9.34	164	715	0.401	ug/l #	83
76) 1,2,3-Trichloropropane	11.13	75	61953	24.112	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61953	61.693	ug/l #	10

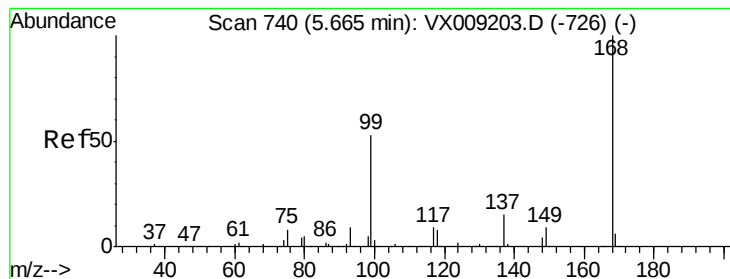
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: May 16 01:11:21 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# 739

Delta R.T. -0.01 min

Lab File: VX009583.D

Acq: 15 May 2019 16:24

Instrument :

MSVOA_X

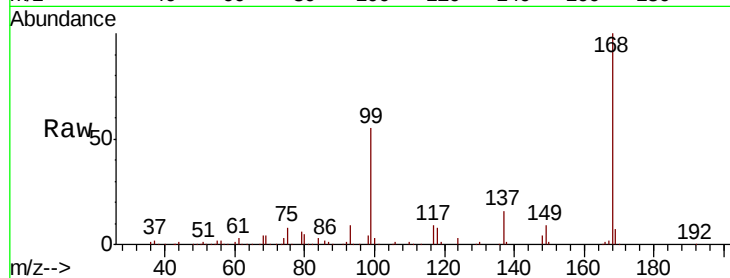
ClientSampleId :

Tot Ion:168 Resp: 182101

Ion Ratio Lower Upper

168 100

99 55.2 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

60000

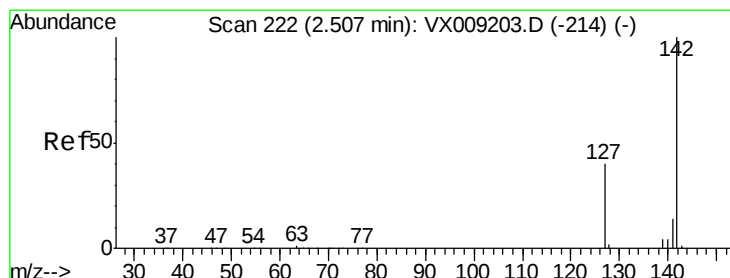
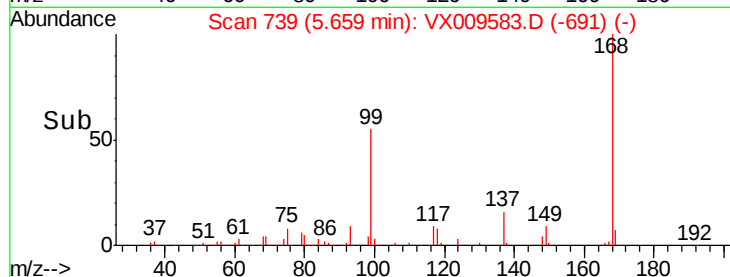
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 4.614 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009583.D

Acq: 15 May 2019 16:24

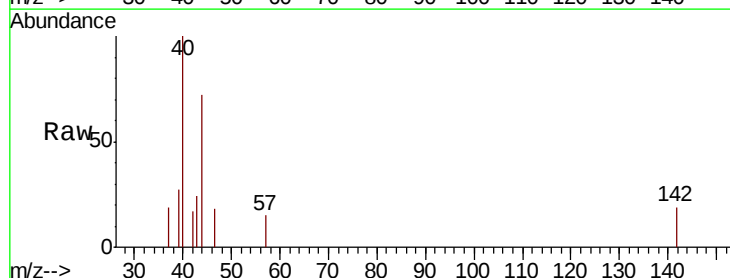
Tgt Ion:142 Resp: 45

Ion Ratio Lower Upper

142 100

127 0.0 32.7 49.1#

141 0.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

80

60

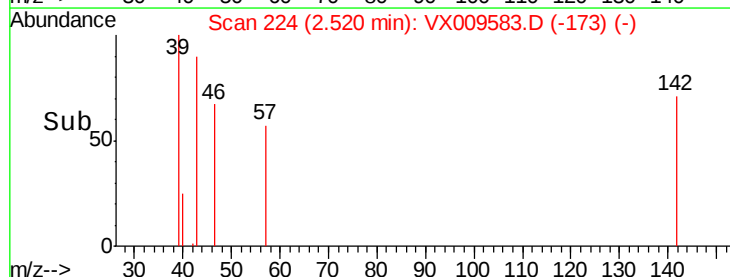
40

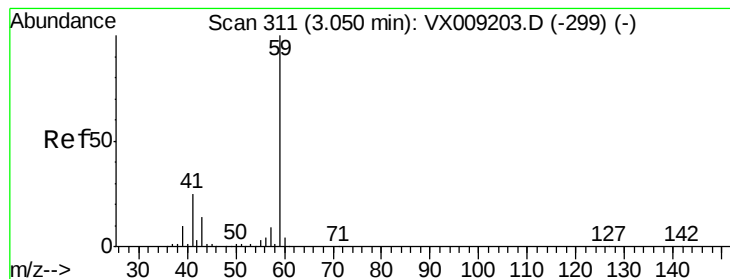
20

0

Time-->

2.50 2.52 2.54



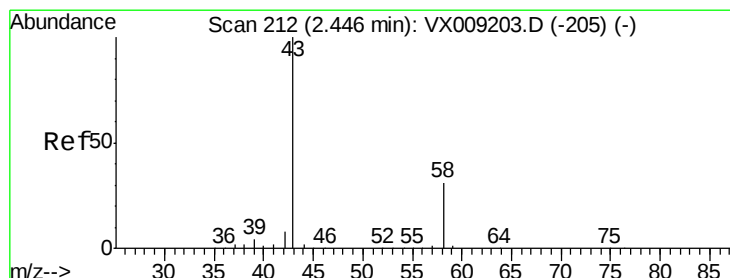
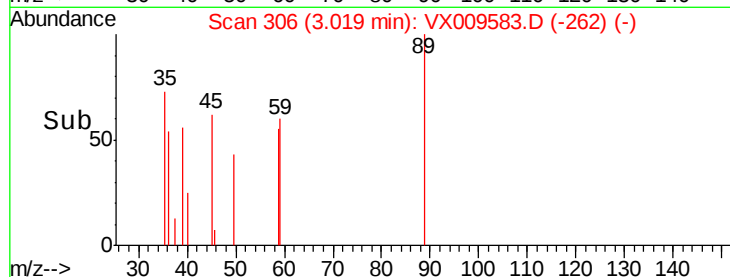
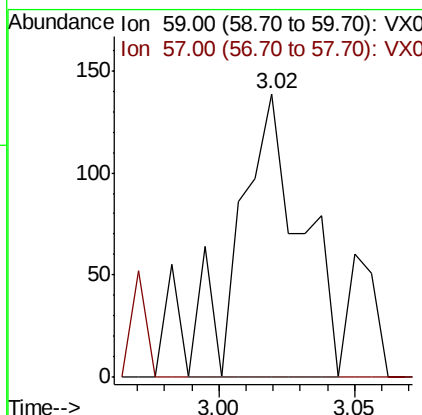
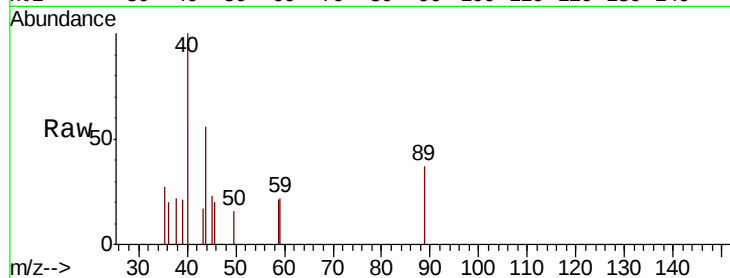


#11

Tert butyl alcohol
 Concen: 0.384 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.03 min
 Lab File: VX009583.D
 Acq: 15 May 2019 16:24

Instrument :
 MSVOA_X
 ClientSampled :

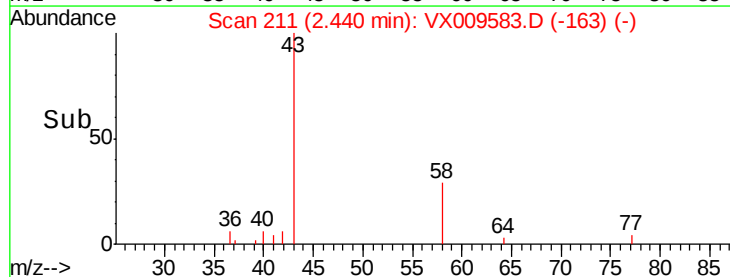
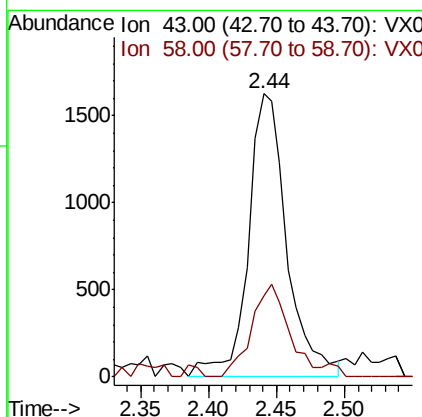
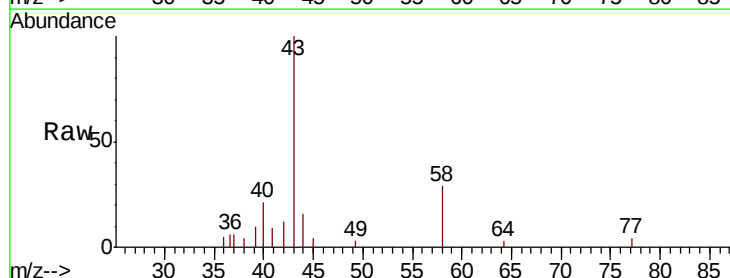
Tot Ion: 59 Resp: 221
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

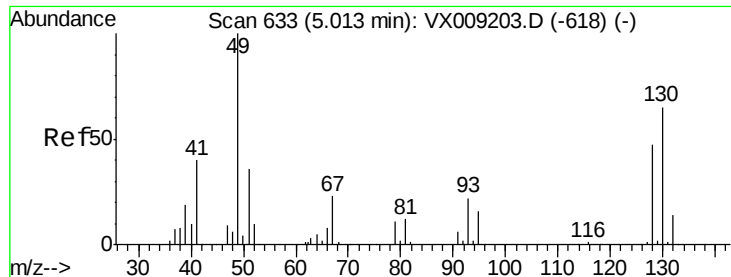


#16

Acetone
 Concen: 2.424 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009583.D
 Acq: 15 May 2019 16:24

Tgt Ion: 43 Resp: 3236
 Ion Ratio Lower Upper
 43 100
 58 24.8 24.9 37.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 4.96 min Scan# 624

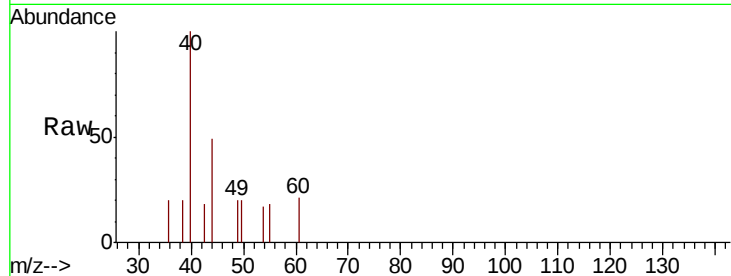
Delta R.T. -0.05 min

Lab File: VX009583.D

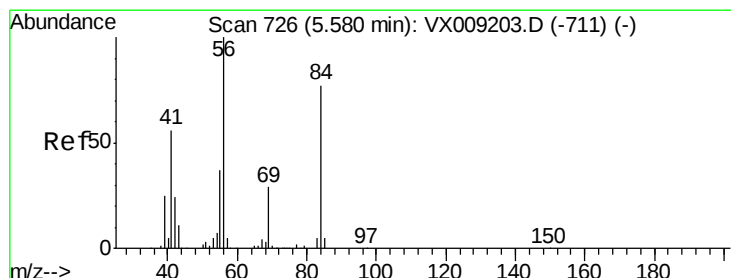
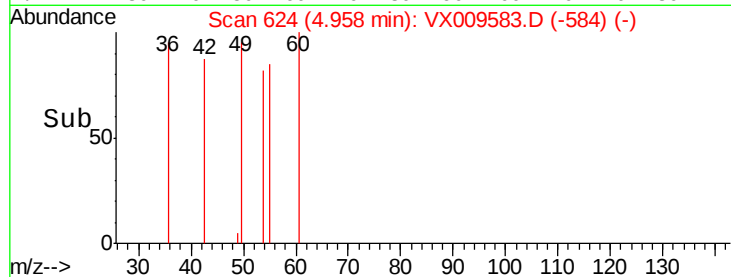
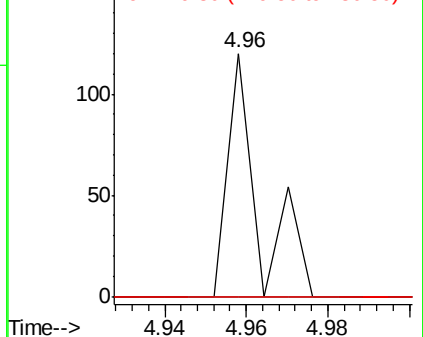
Acq: 15 May 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 49 Resp: 64
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: 1.092 ug/l

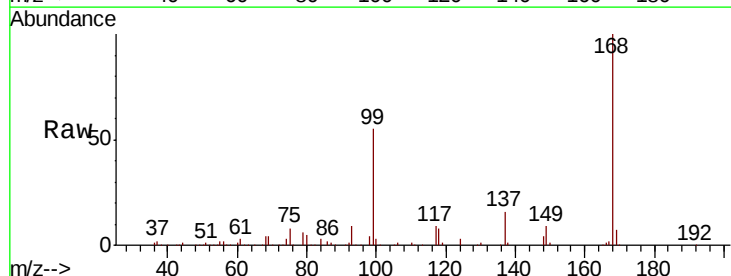
RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

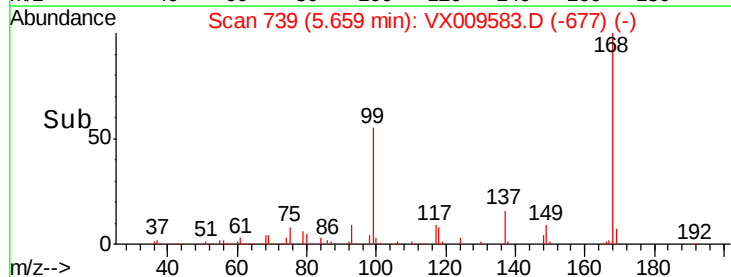
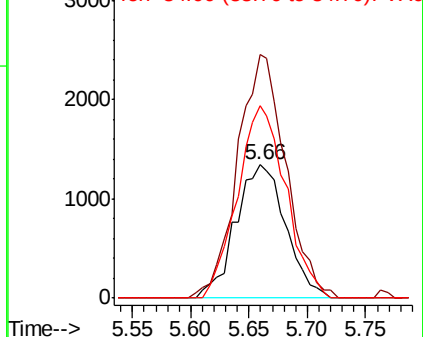
Lab File: VX009583.D

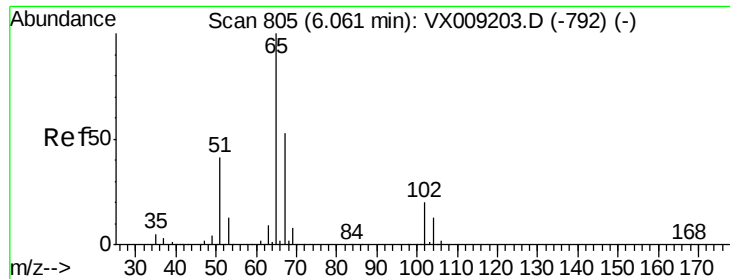
Acq: 15 May 2019 16:24

Tgt Ion: 56 Resp: 4015
Ion Ratio Lower Upper
56 100
69 182.9 23.4 35.0#
84 144.9 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: 48.736 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX009583.D

Acq: 15 May 2019 16:24

Instrument :

MSVOA_X

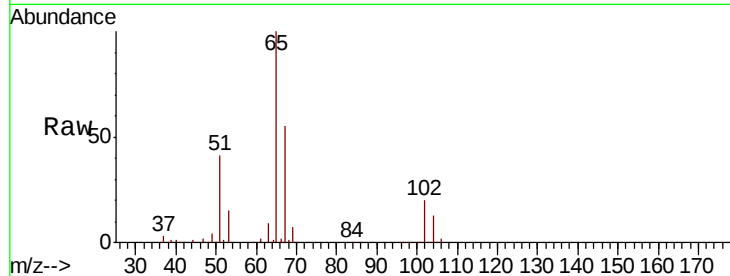
ClientSampled :

Tot Ion: 65 Resp: 121153

Ion Ratio Lower Upper

65 100

67 54.4 0.0 106.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

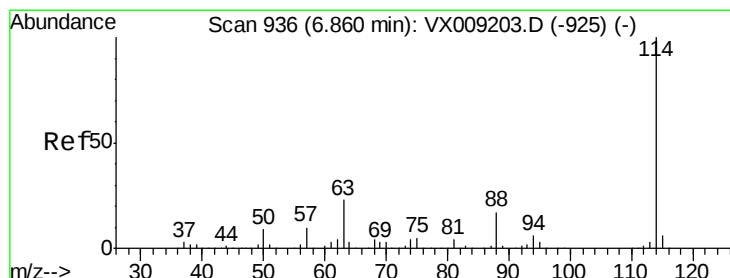
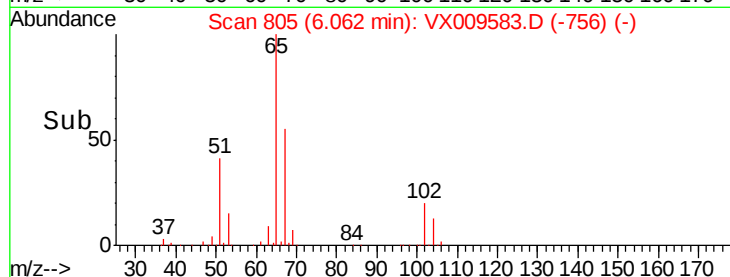
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX009583.D

Acq: 15 May 2019 16:24

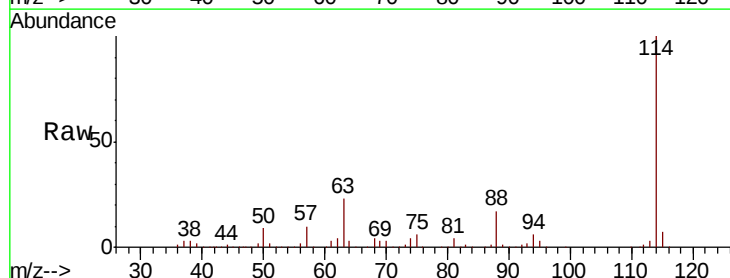
Tgt Ion: 114 Resp: 294349

Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.5 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

6.86

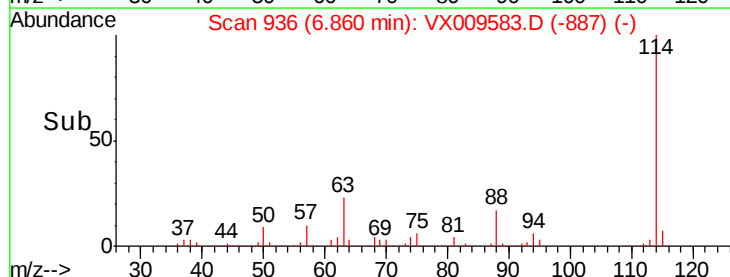
150000

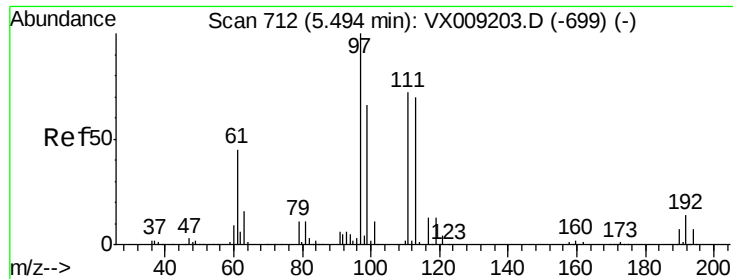
100000

50000

0

Time--> 6.70 6.80 6.90 7.00

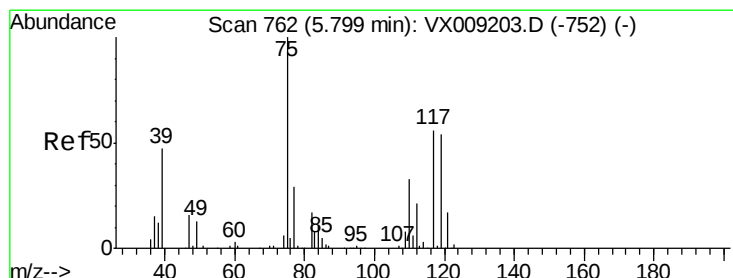
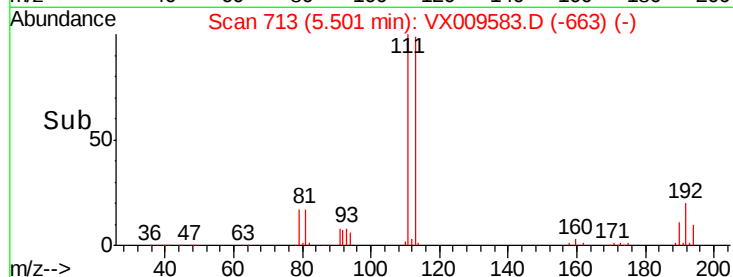
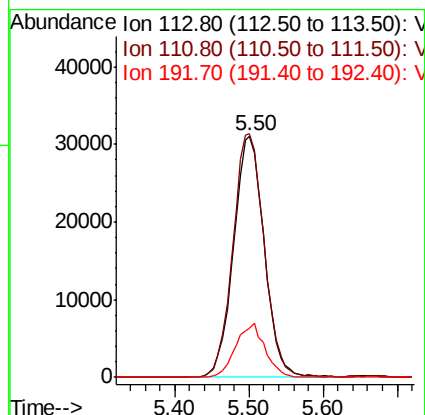
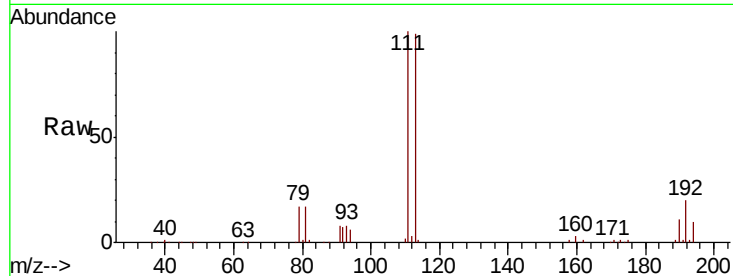




#35
 Dibromofluoromethane
 Concen: 48.344 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009583.D
 Acq: 15 May 2019 16:24

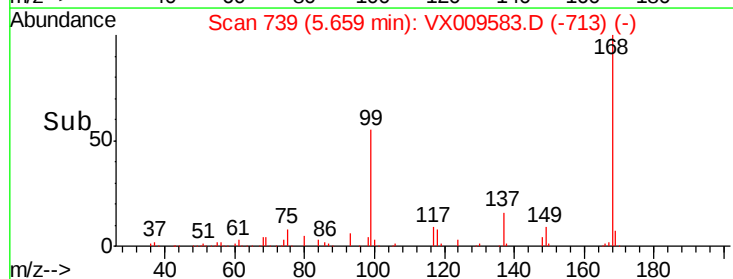
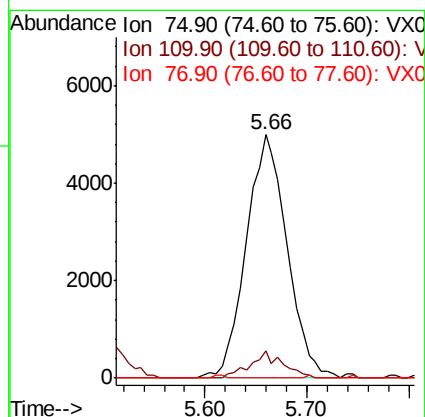
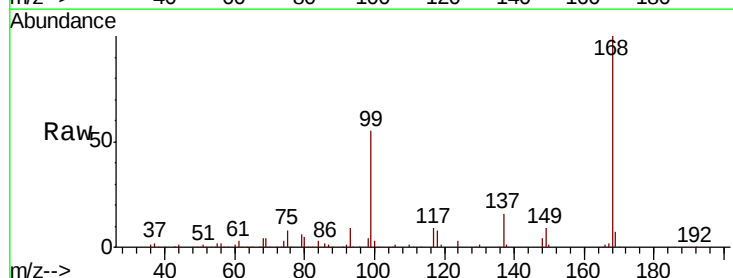
Instrument :
 MSVOA_X
 ClientSampleId :

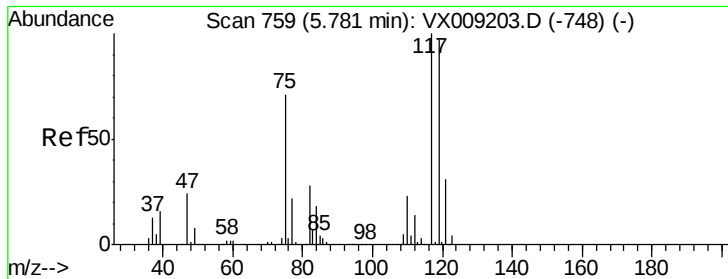
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.8	124.2
192	21.4	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 5.068 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009583.D
 Acq: 15 May 2019 16:24

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.9	50.6#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.921 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009583.D

Acq: 15 May 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

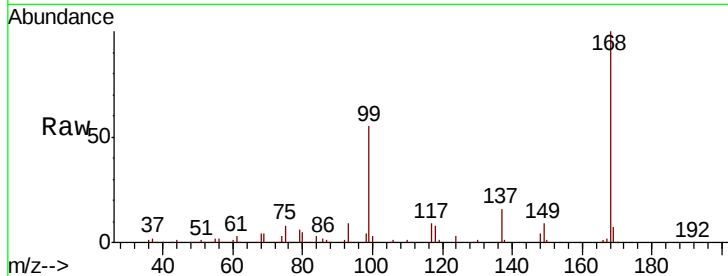
Tot Ion:117 Resp: 17201

Ion Ratio Lower Upper

117 100

119 9.1 77.5 116.3#

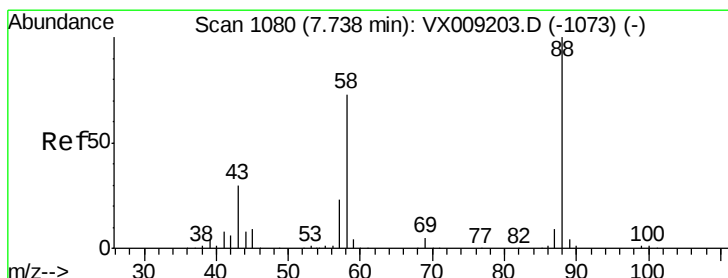
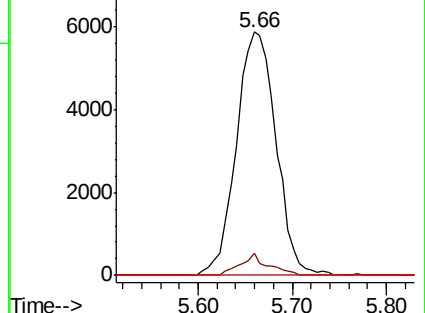
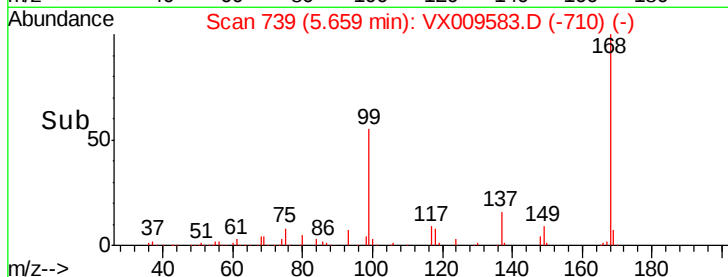
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: 0.310 ug/l

RT: 7.95 min Scan# 1114

Delta R.T. 0.21 min

Lab File: VX009583.D

Acq: 15 May 2019 16:24

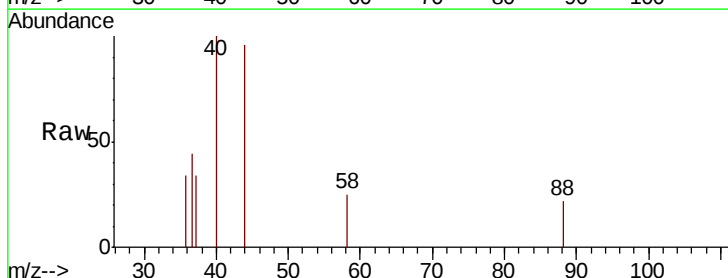
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 28.6 42.8#

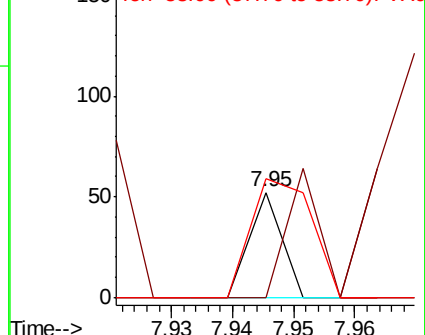
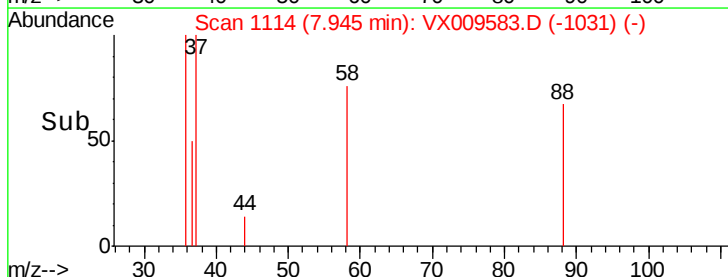
58 215.8 61.7 92.5#

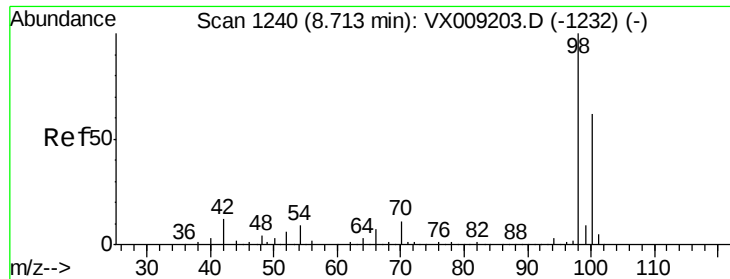


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

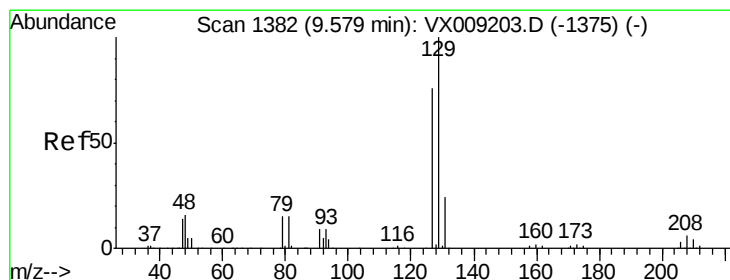
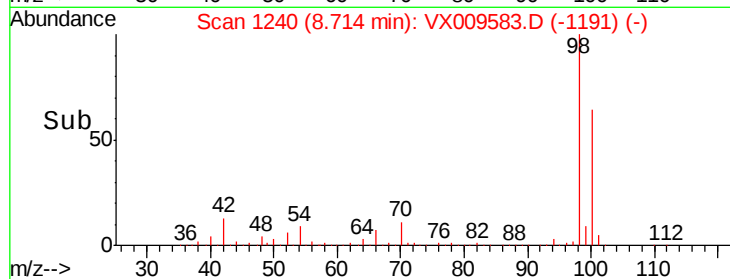
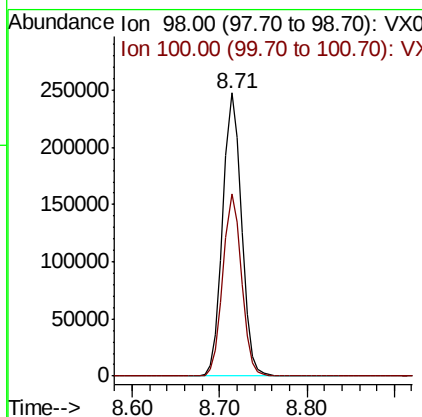
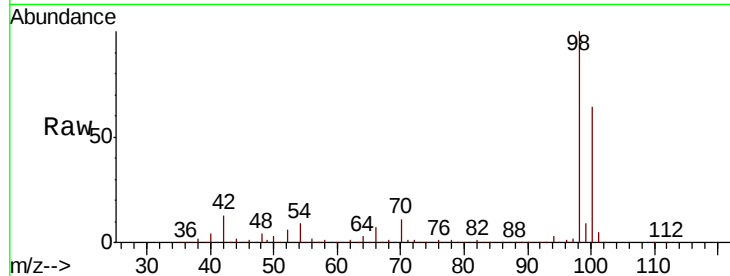




#50
Toluene-d8
Concen: 49.405 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009583.D
Acq: 15 May 2019 16:24

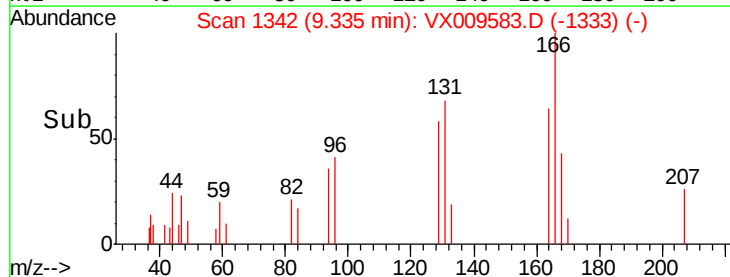
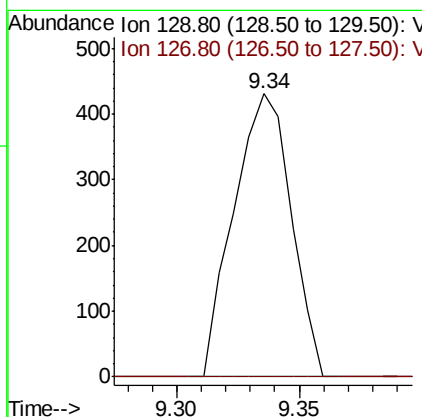
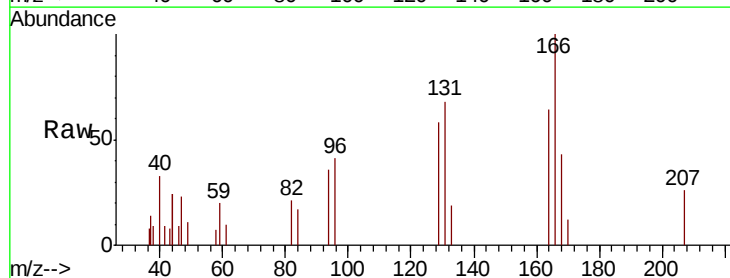
Instrument :
MSVOA_X
ClientSampled :

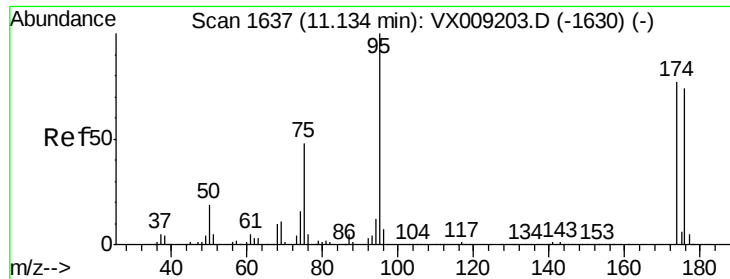
Tot Ion: 98 Resp: 369077
Ion Ratio Lower Upper
98 100
100 64.1 51.2 76.8



#60
Dibromochloromethane
Concen: 0.344 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX009583.D
Acq: 15 May 2019 16:24

Tgt Ion: 129 Resp: 705
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 44.464 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009583.D

Acq: 15 May 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

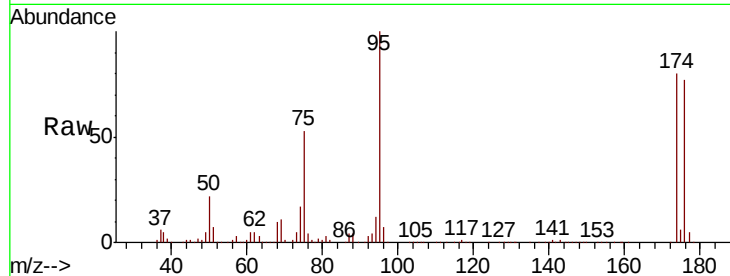
Tot Ion: 95 Resp: 120697

Ion Ratio Lower Upper

95 100

174 82.9 0.0 161.6

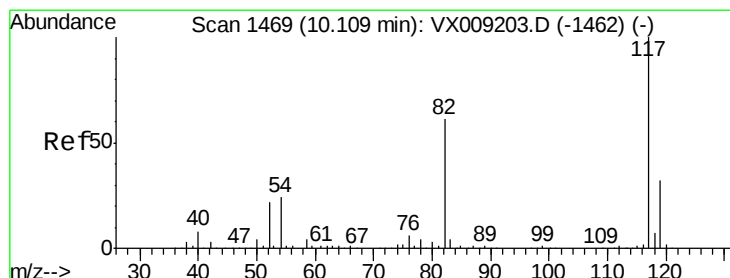
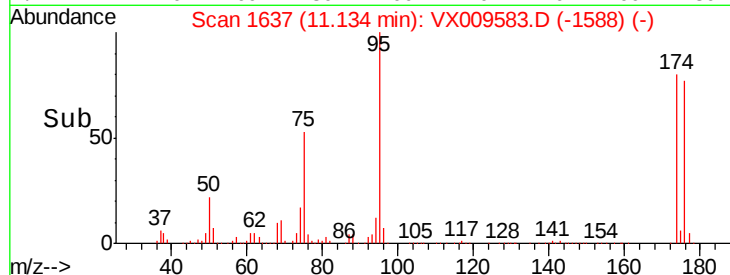
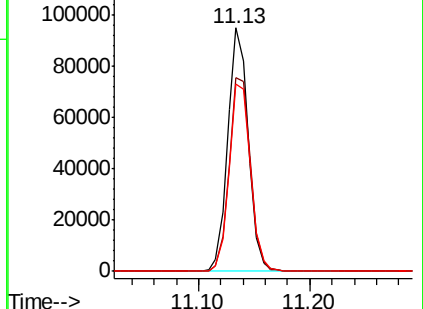
176 80.3 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX009583.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX009583.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009583.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VX009583.D

Acq: 15 May 2019 16:24

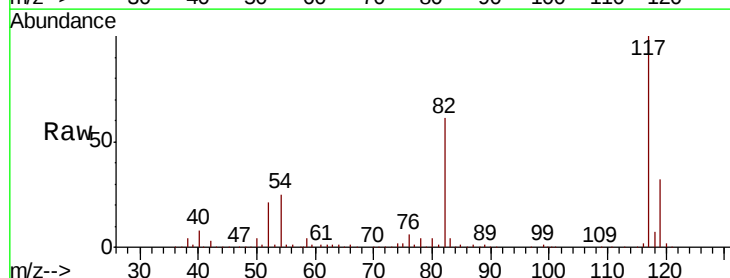
Tgt Ion: 117 Resp: 259731

Ion Ratio Lower Upper

117 100

82 60.5 48.8 73.2

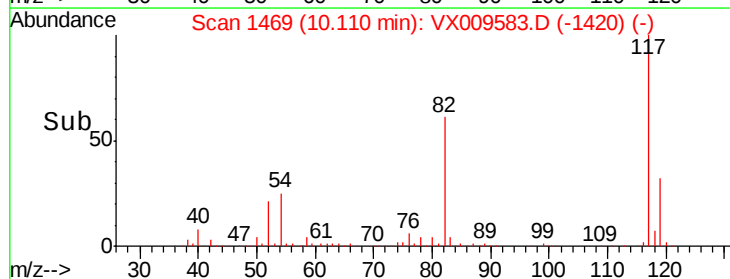
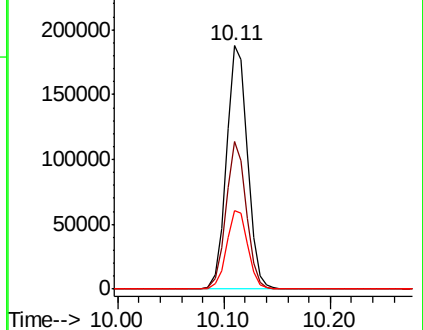
119 32.1 25.8 38.6

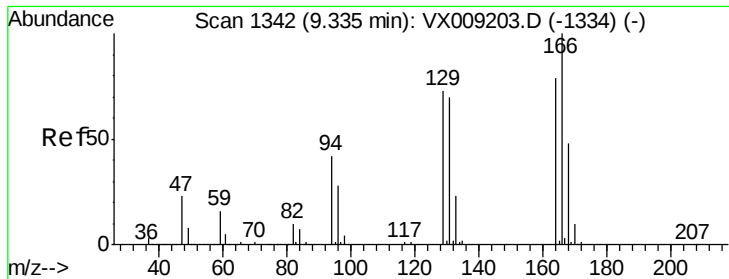


Abundance Ion 116.90 (116.60 to 117.60): VX009583.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009583.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009583.D (-1420) (-)





#64

Tetrachloroethene

Concen: 0.401 ug/l

RT: 9.34 min Scan# 1342

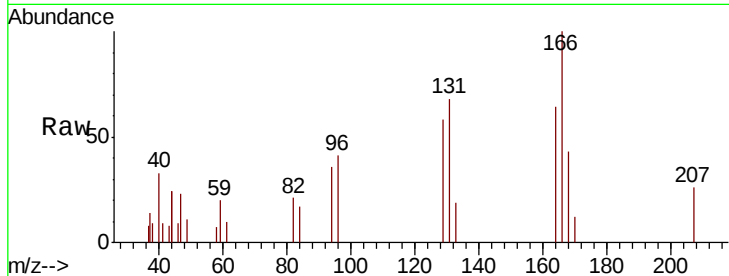
Delta R.T. 0.00 min

Lab File: VX009583.D

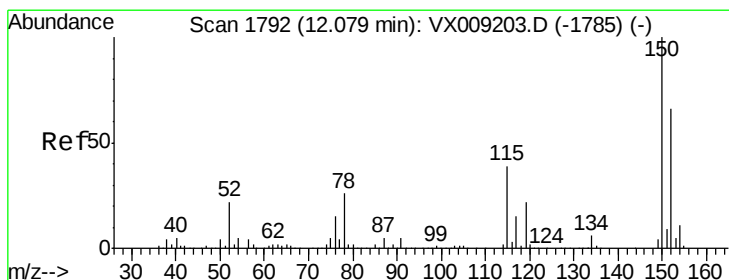
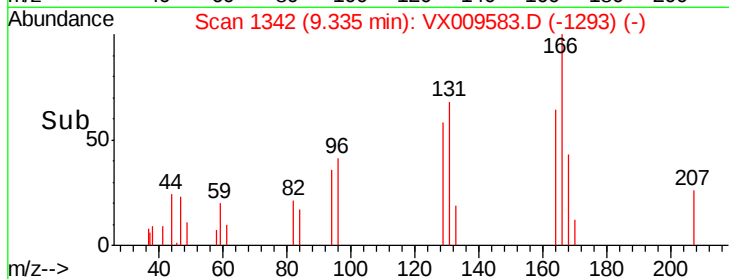
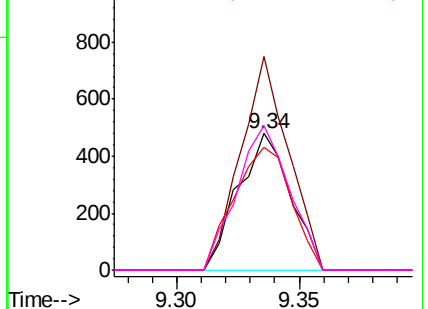
Acq: 15 May 2019 16:24

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	164	Resp:	715
Ion	Ratio	Lower	Upper
164	100		
166	156.0	101.2	151.8#
129	89.8	74.3	111.5
131	105.4	71.0	106.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

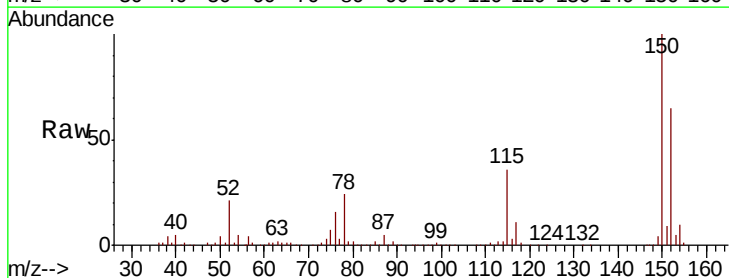
RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

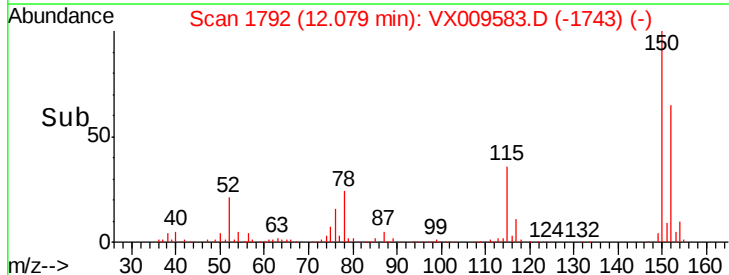
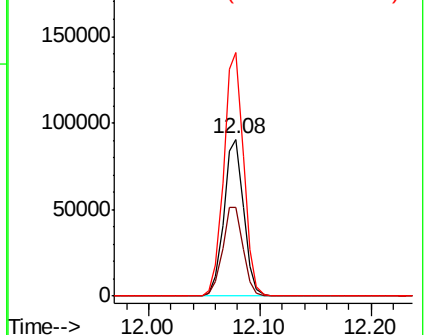
Lab File: VX009583.D

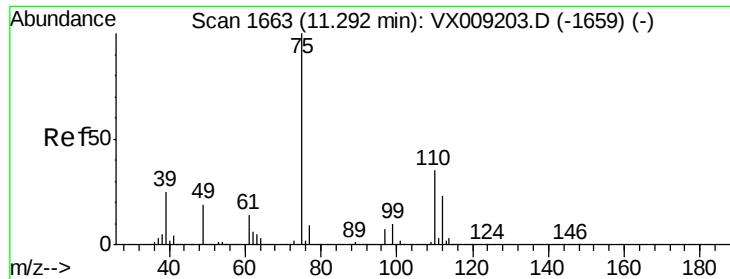
Acq: 15 May 2019 16:24

Tgt Ion:	152	Resp:	110768
Ion	Ratio	Lower	Upper
152	100		
115	58.9	41.2	123.6
150	156.6	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

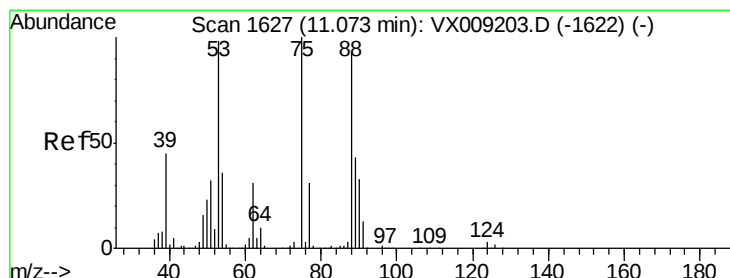
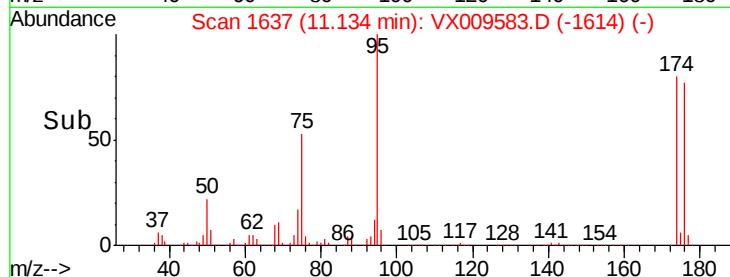
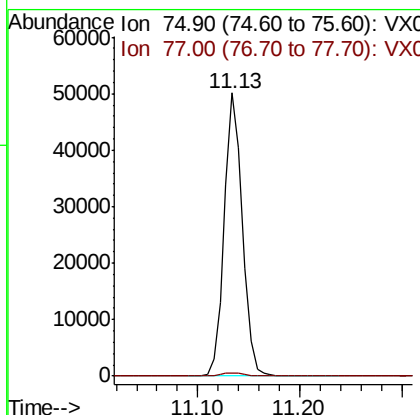
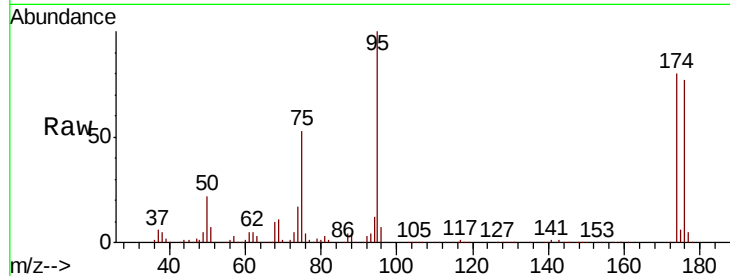




#76
 1,2,3-Trichloropropane
 Concen: 24.112 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009583.D
 Acq: 15 May 2019 16:24

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 61953
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.693 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009583.D
 Acq: 15 May 2019 16:24

Tgt Ion: 75 Resp: 61953
 Ion Ratio Lower Upper
 75 100
 53 0.2 79.0 118.6#
 89 0.0 34.7 52.1#

