

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051519\
 Data File : VX009582.D
 Acq On : 15 May 2019 16:01
 Operator : JC/SP
 Sample : K2856-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 16 01:11:11 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	181840	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	291500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256509	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	110645	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	119904	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	
35) Dibromofluoromethane	5.50	113	89120	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
50) Toluene-d8	8.71	98	364249	49.23	ug/l	0.00
Spiked Amount			Recovery	=	98.46%	
62) 4-Bromofluorobenzene	11.13	95	120604	44.86	ug/l	0.00
Spiked Amount			Recovery	=	89.72%	

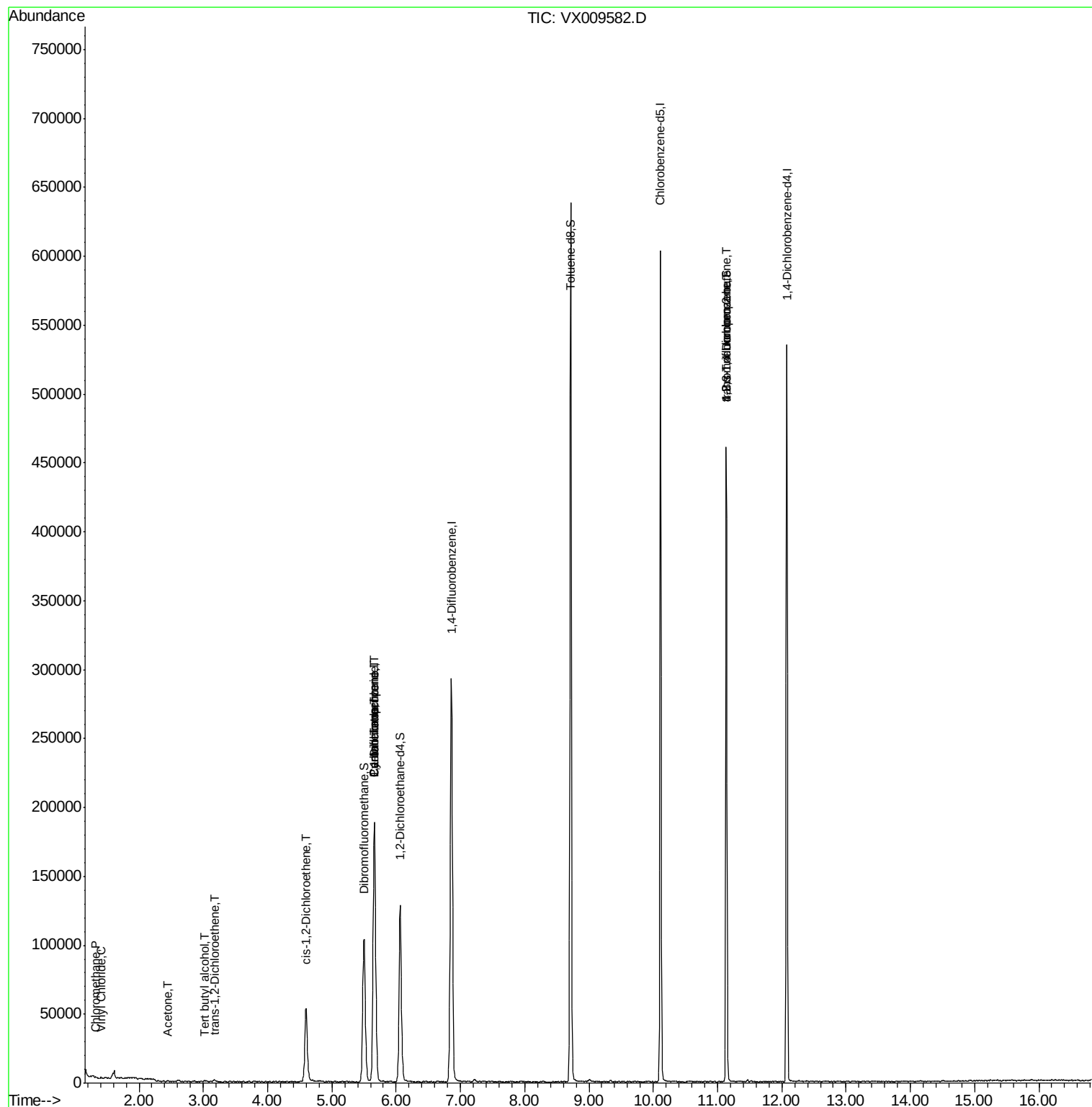
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	495	0.216	ug/l #	55
4) Vinyl Chloride	1.40	62	453	0.203	ug/l	93
11) Tert butyl alcohol	3.03	59	559	0.973	ug/l #	82
16) Acetone	2.44	43	988	0.741	ug/l #	65
21) trans-1,2-Dichloroethene	3.17	96	486	0.263	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	34162	15.468	ug/l	88
28) Bromochloromethane	4.98	49	56	Below Cal	#	20
31) Cyclohexane	5.67	56	4090	1.114	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14386	5.311	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16837	6.841	ug/l #	16
76) 1,2,3-Trichloropropane	11.13	75	61702	24.041	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61702	61.511	ug/l #	10

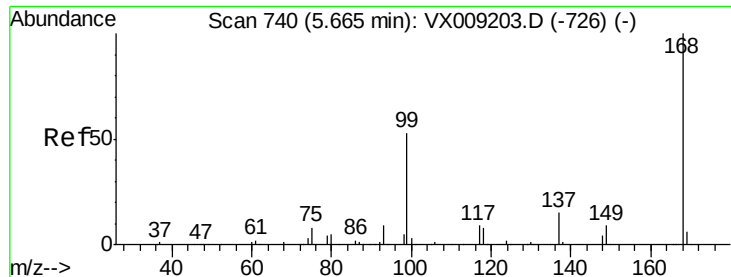
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX009582.D

Acq: 15 May 2019 16:01

Instrument :

MSVOA_X

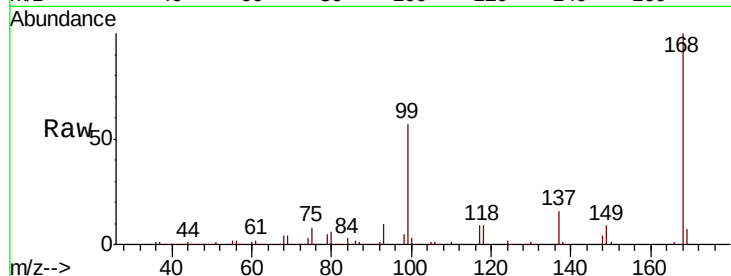
ClientSampleId :

Tot Ion:168 Resp: 181840

Ion Ratio Lower Upper

168 100

99 57.4 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): VX009203.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX009203.D (-726) (-)

5.66

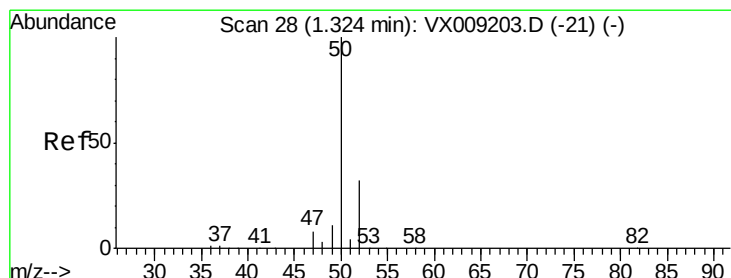
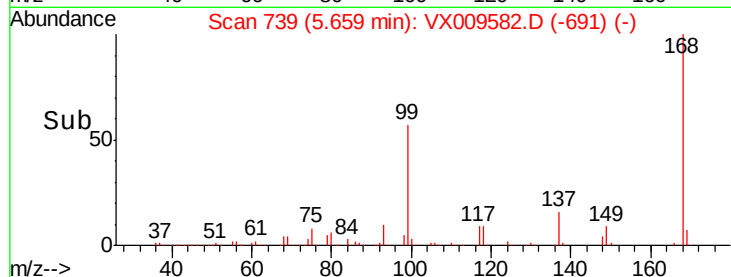
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.216 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009582.D

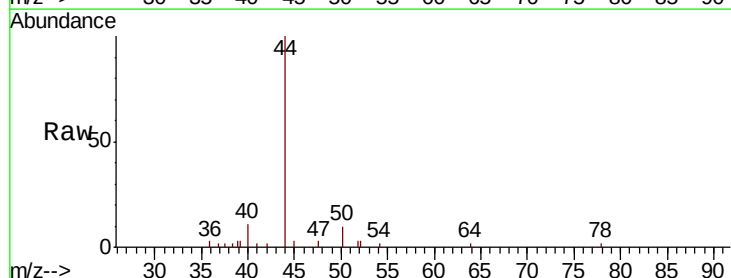
Acq: 15 May 2019 16:01

Tgt Ion: 50 Resp: 495

Ion Ratio Lower Upper

50 100

52 57.5 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX009203.D (-21) (-)

Ion 51.90 (51.60 to 52.60): VX009203.D (-21) (-)

1.32

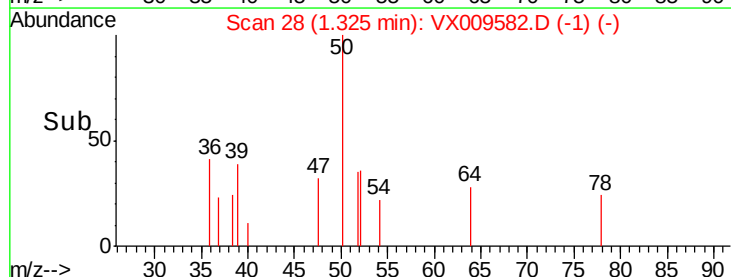
300

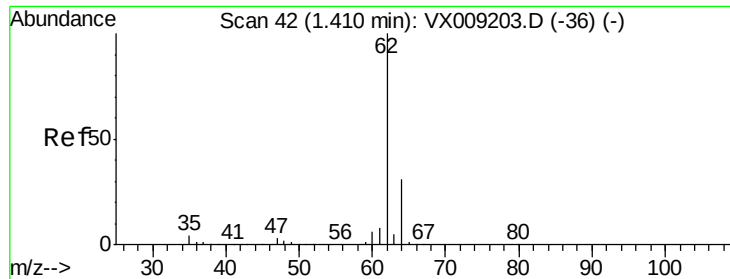
200

100

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 0.203 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009582.D

Acq: 15 May 2019 16:01

Instrument :

MSVOA_X

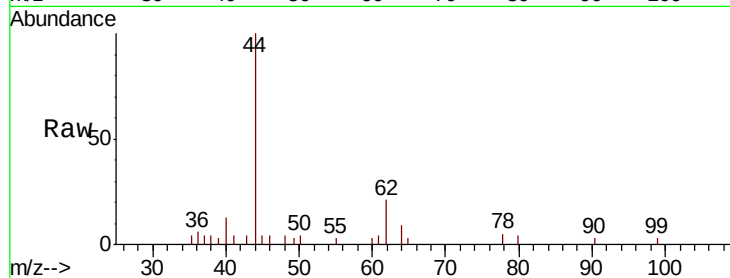
ClientSampled :

Tot Ion: 62 Resp: 453

Ion Ratio Lower Upper

62 100

64 27.0 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

400

300

200

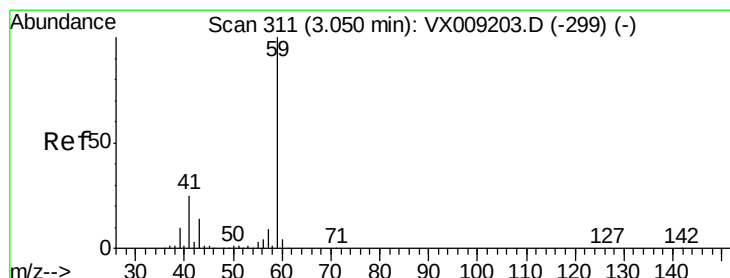
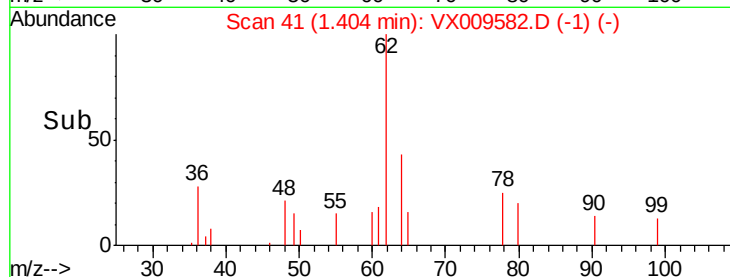
100

0

1.40

1.45

Time-->



#11

Tert butyl alcohol

Concen: 0.973 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.02 min

Lab File: VX009582.D

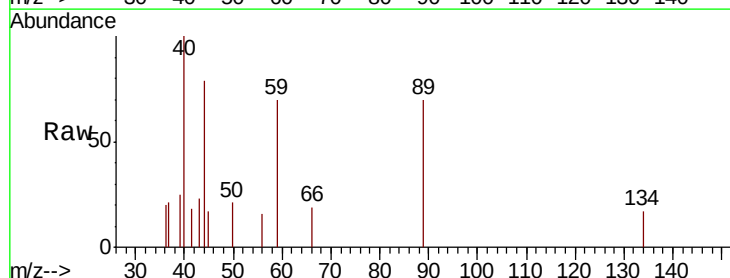
Acq: 15 May 2019 16:01

Tgt Ion: 59 Resp: 559

Ion Ratio Lower Upper

59 100

57 3.6 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

250

200

150

100

50

0

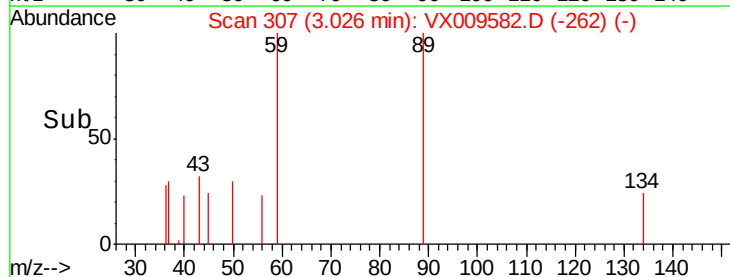
2.95

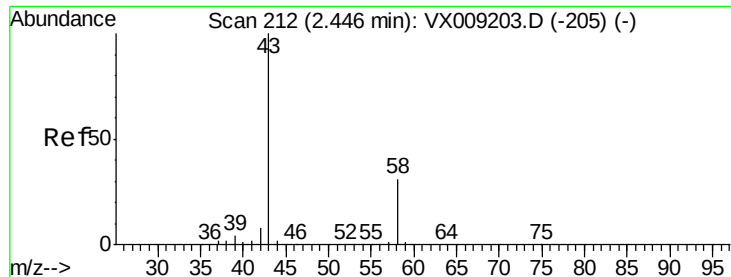
3.00

3.05

3.10

Time-->





#16

Acetone

Concen: 0.741 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009582.D

Acq: 15 May 2019 16:01

Instrument :

MSVOA_X

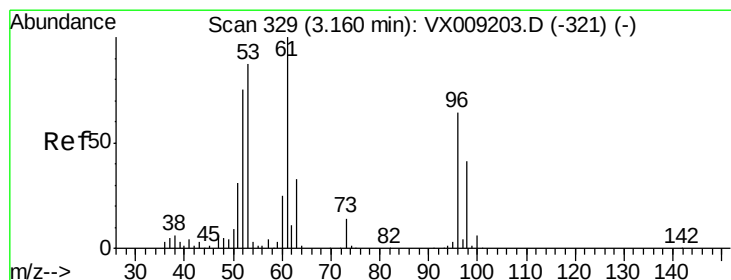
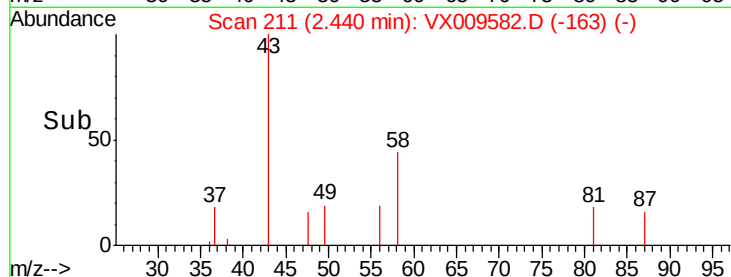
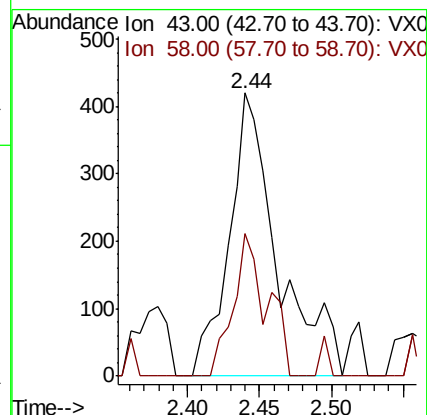
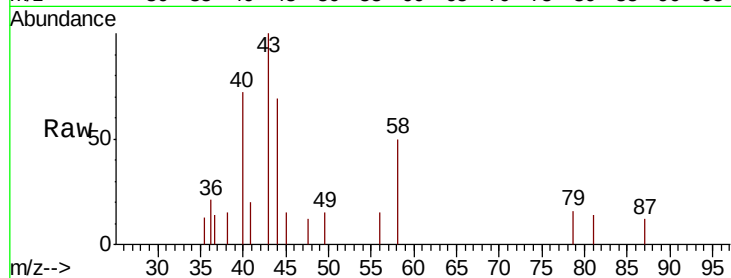
ClientSampled :

Tot Ion: 43 Resp: 988

Ion Ratio Lower Upper

43 100

58 50.2 24.9 37.3#



#21

trans-1,2-Dichloroethene

Concen: 0.263 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009582.D

Acq: 15 May 2019 16:01

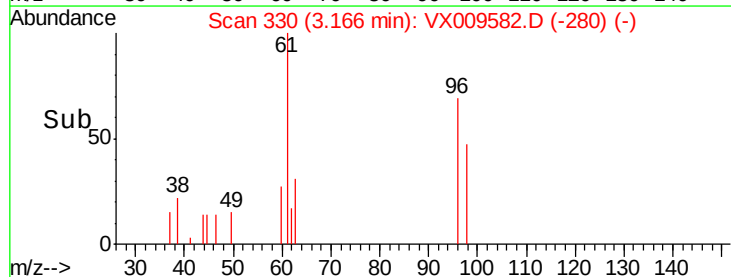
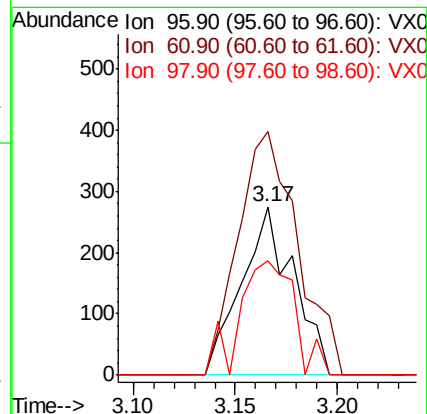
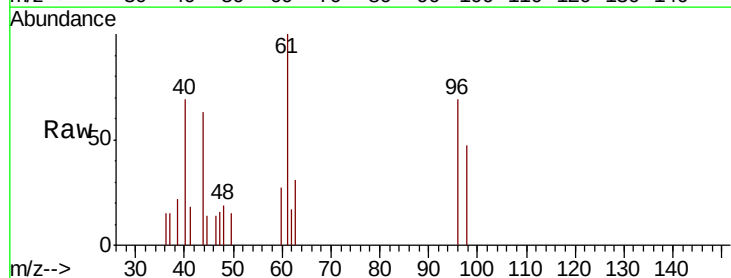
Tgt Ion: 96 Resp: 486

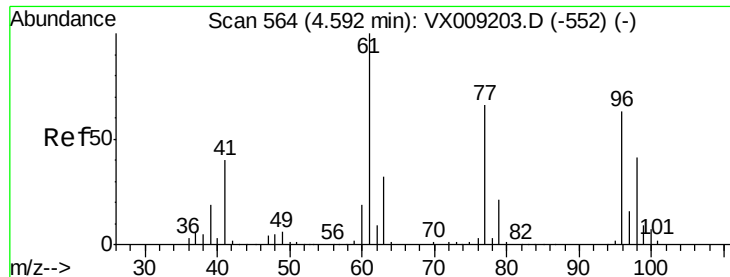
Ion Ratio Lower Upper

96 100

61 144.7 124.5 186.7

98 67.6 50.4 75.6



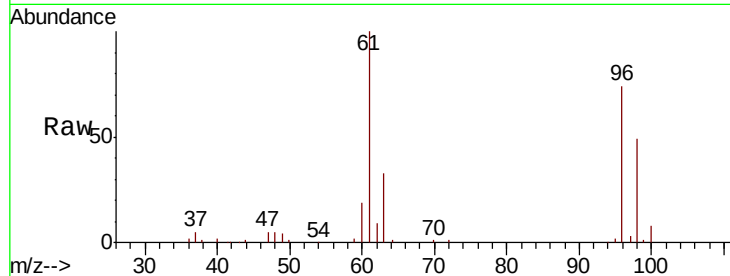


#27

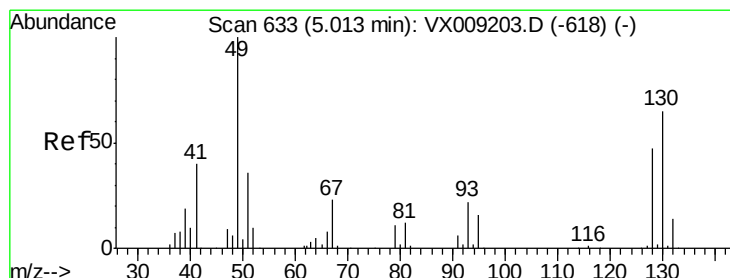
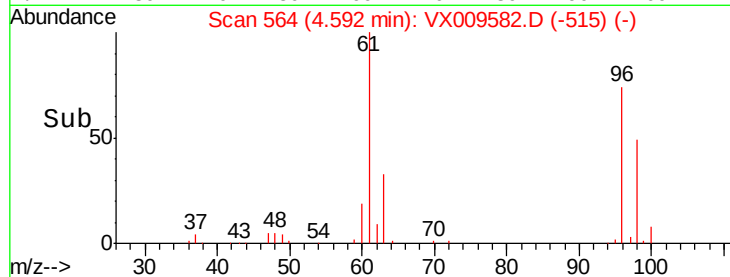
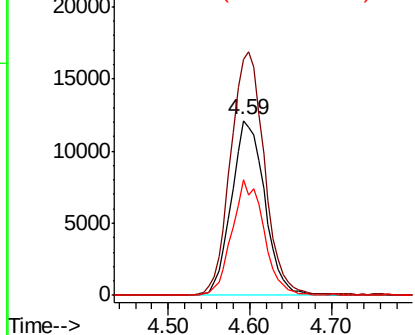
cis-1,2-Dichloroethene
Concen: 15.468 ug/l
RT: 4.59 min Scan# 564
Delta R.T. 0.00 min
Lab File: VX009582.D
Acq: 15 May 2019 16:01

Instrument :
MSVOA_X
ClientSampled :

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	324.0
98	63.4	0.0	130.4



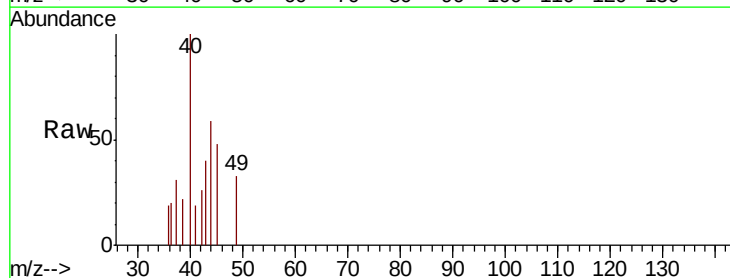
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



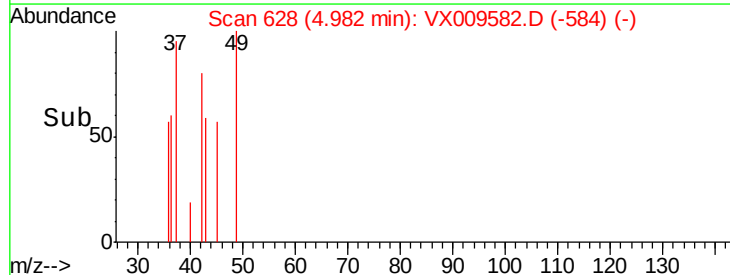
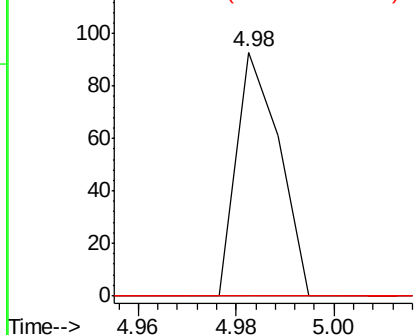
#28

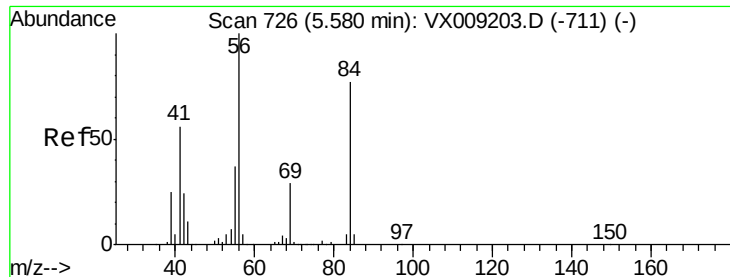
Bromochloromethane
Concen: Below Cal
RT: 4.98 min Scan# 628
Delta R.T. -0.03 min
Lab File: VX009582.D
Acq: 15 May 2019 16:01

Tgt 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

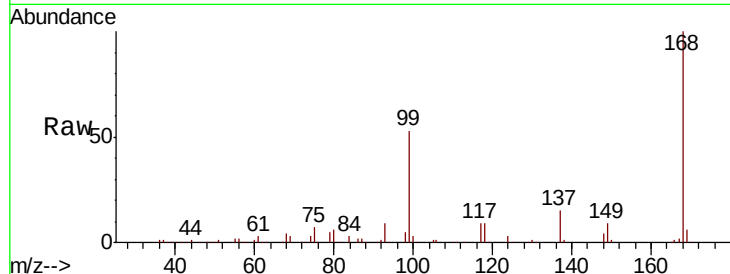




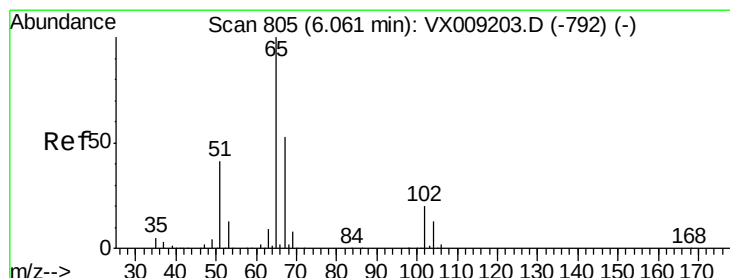
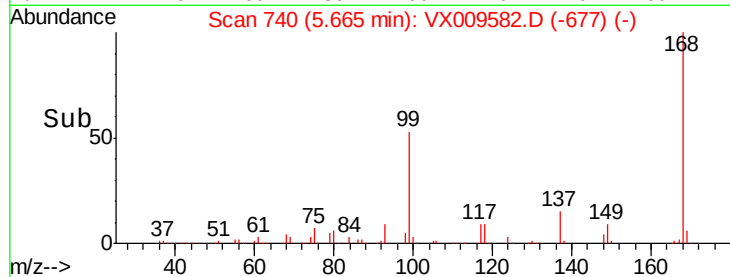
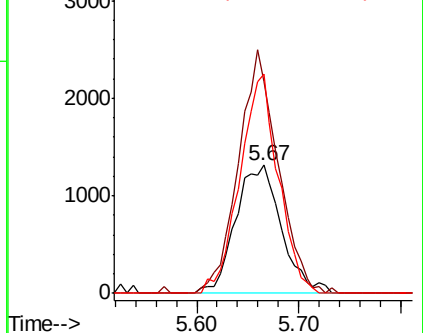
#31
Cyclohexane
Concen: 1.114 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009582.D
Acq: 15 May 2019 16:01

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4090
Ion Ratio Lower Upper
56 100
69 165.2 23.4 35.0#
84 170.8 61.9 92.9#

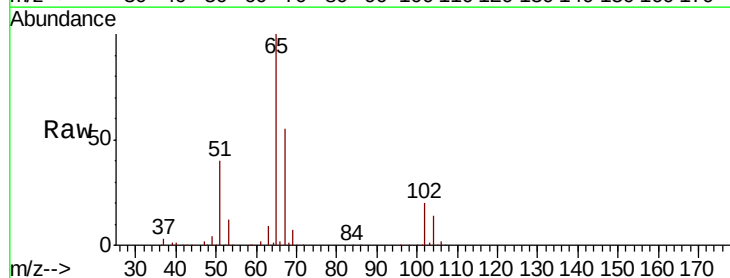


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

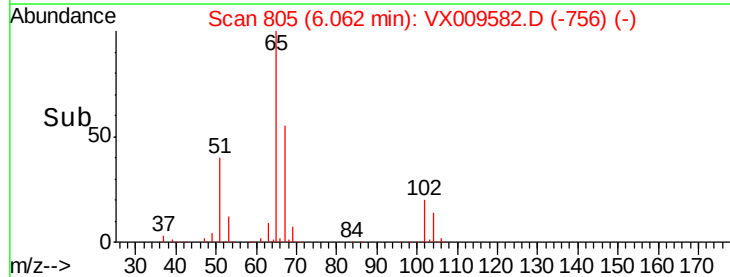
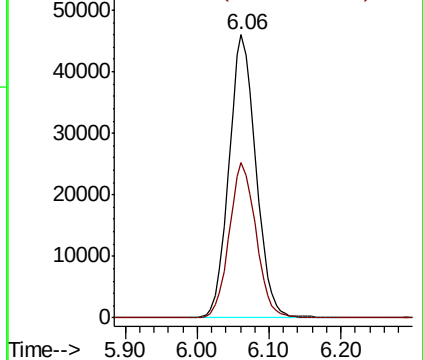


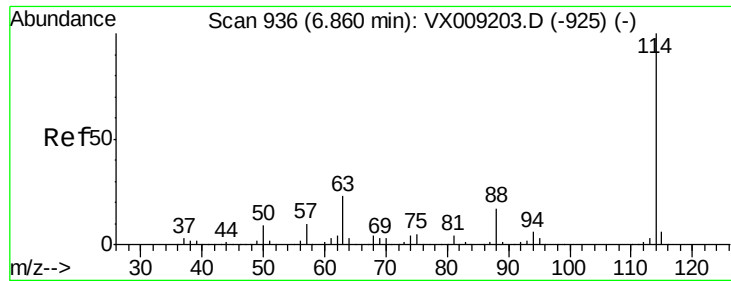
#33
1,2-Dichloroethane-d4
Concen: 48.303 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009582.D
Acq: 15 May 2019 16:01

Tgt Ion: 65 Resp: 119904
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

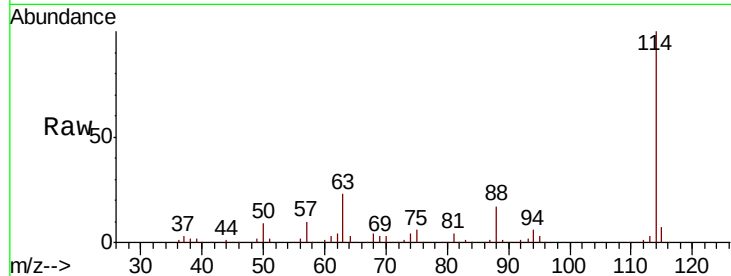




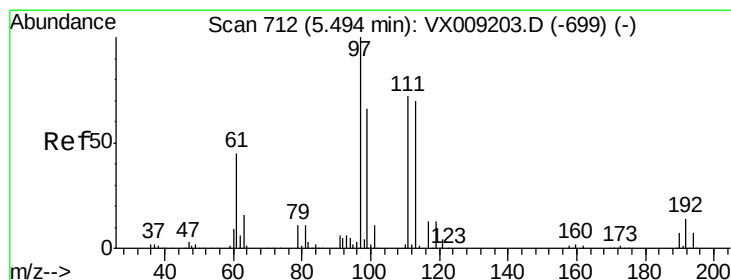
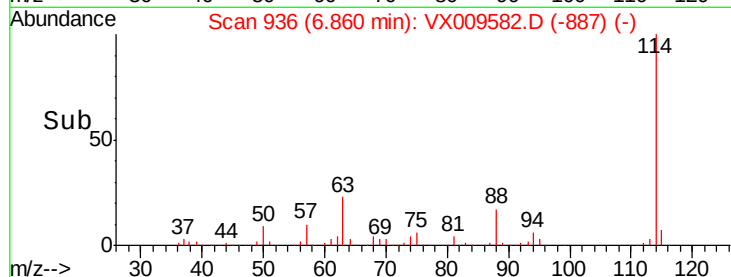
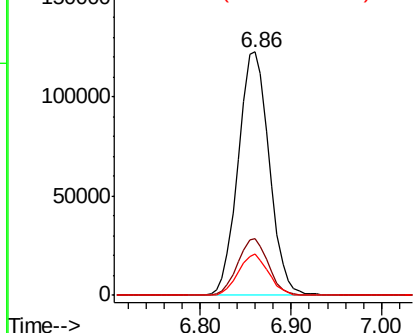
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009582.D
 Acq: 15 May 2019 16:01

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:114 Resp: 291500
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.6
 88 16.7 0.0 33.2

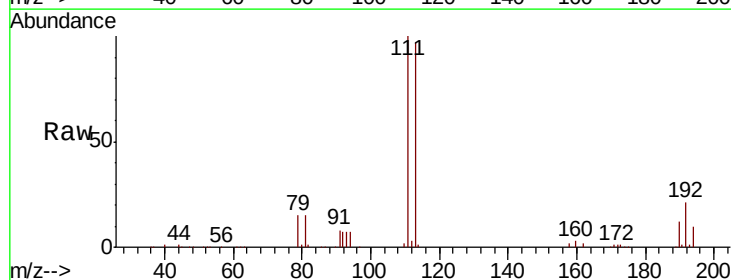


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

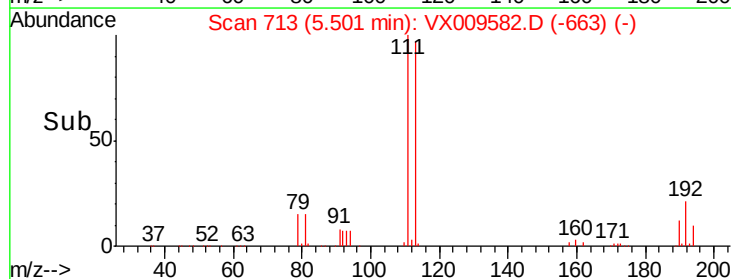
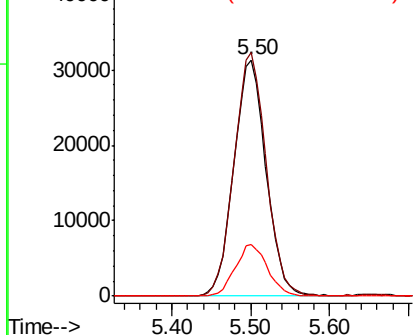


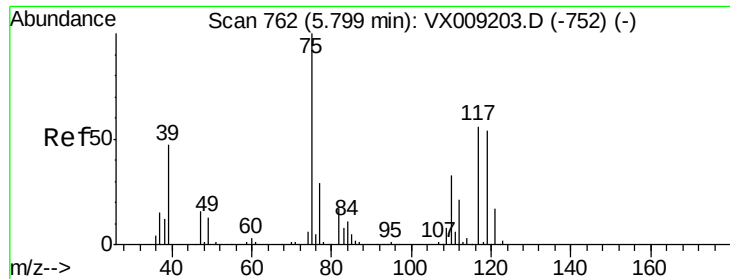
#35
 Dibromofluoromethane
 Concen: 48.633 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009582.D
 Acq: 15 May 2019 16:01

Tgt Ion:113 Resp: 89120
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.8 124.2
 192 21.8 17.0 25.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

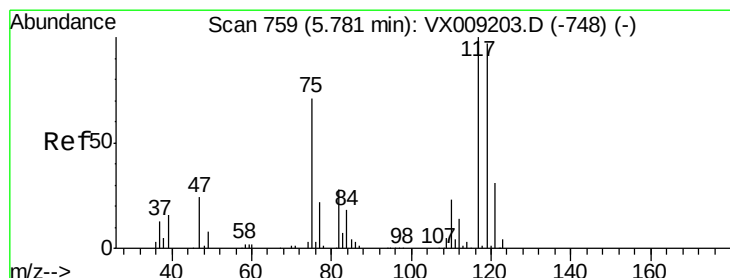
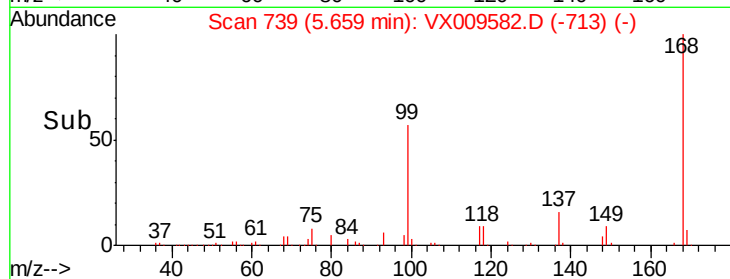
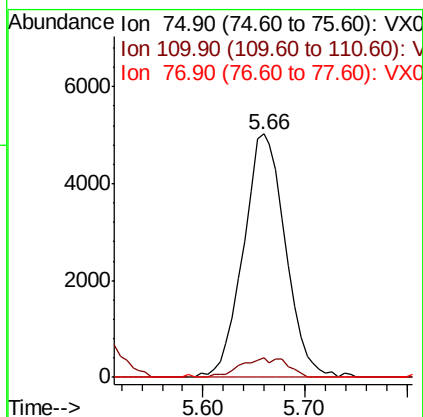
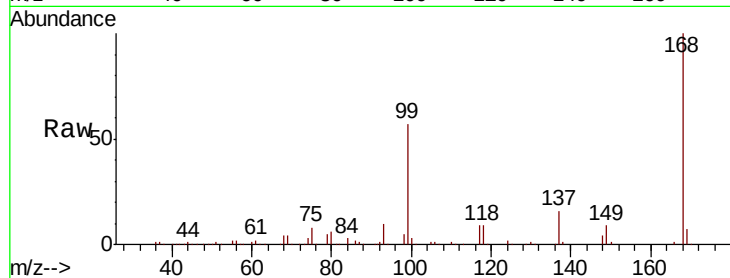




#36
 1,1-Dichloropropene
 Concen: 5.311 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX009582.D
 Acq: 15 May 2019 16:01

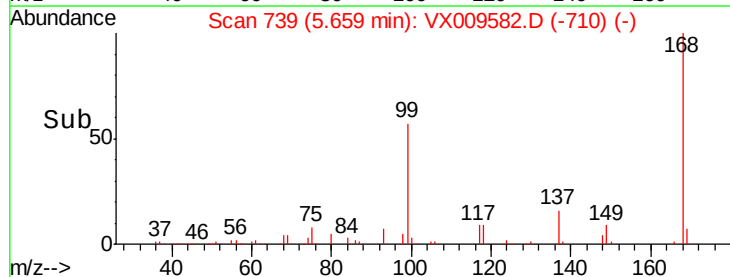
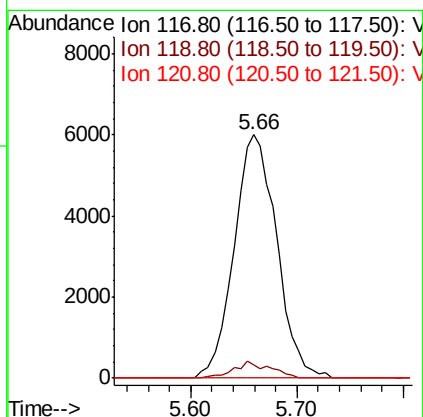
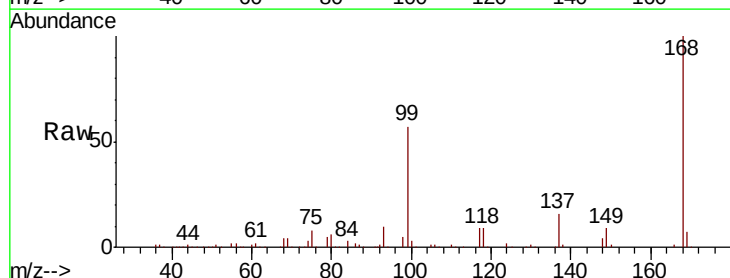
Instrument :
 MSVOA_X
 ClientSampleId :

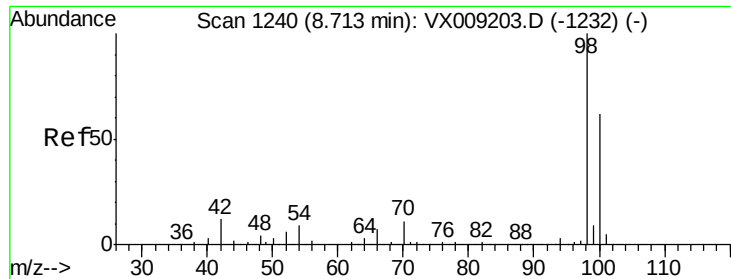
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.6#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.841 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX009582.D
 Acq: 15 May 2019 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	77.5	116.3#
121	0.0	24.7	37.1#

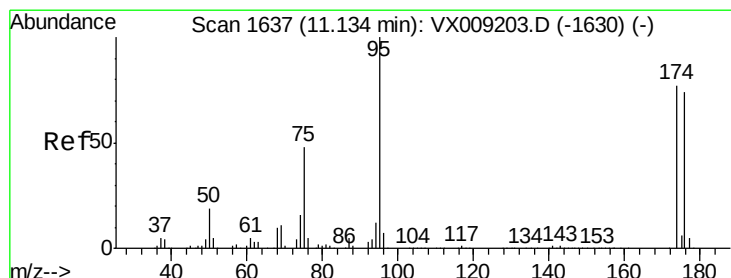
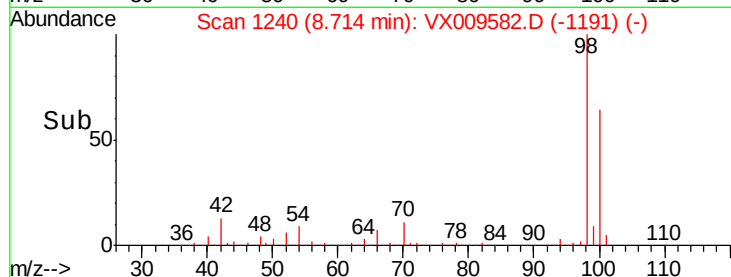
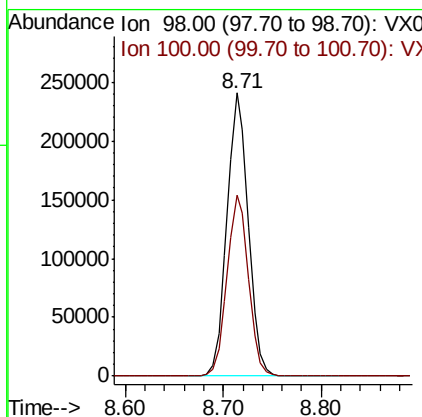
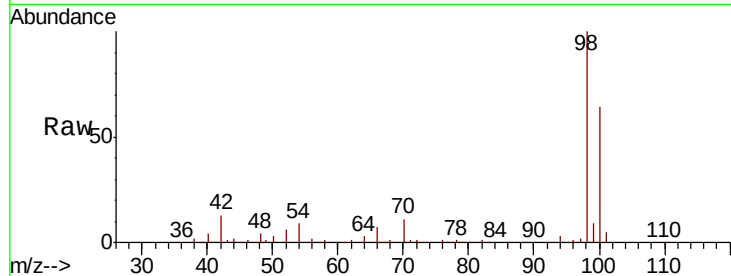




#50
Toluene-d8
Concen: 49.235 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009582.D
Acq: 15 May 2019 16:01

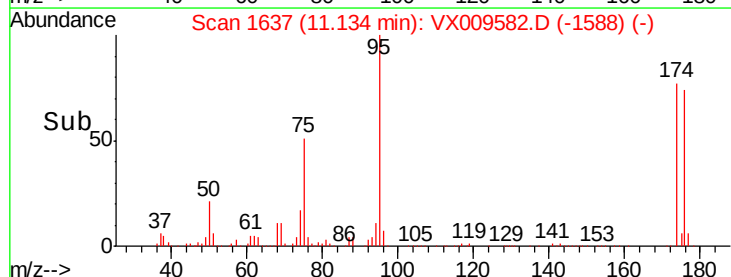
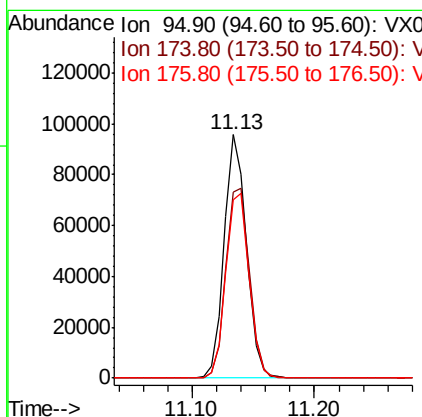
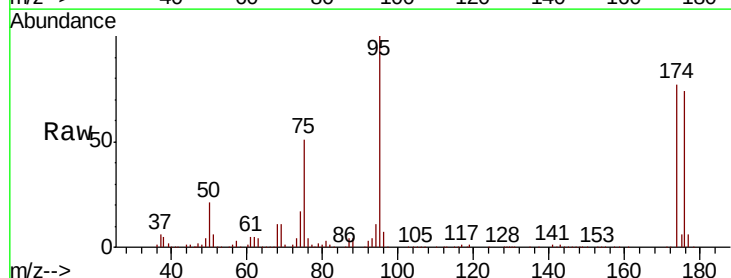
Instrument :
MSVOA_X
ClientSampled :

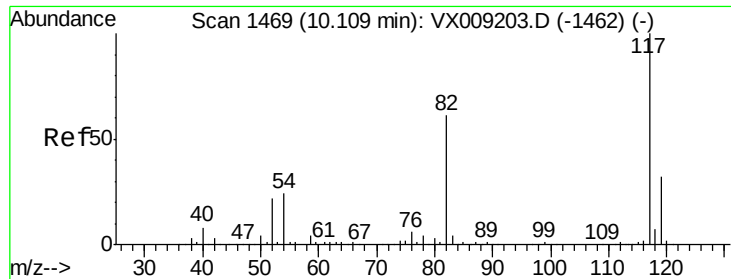
Tot Ion: 98 Resp: 364249
Ion Ratio Lower Upper
98 100
100 64.4 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 44.864 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX009582.D
Acq: 15 May 2019 16:01

Tgt Ion: 95 Resp: 120604
Ion Ratio Lower Upper
95 100
174 82.5 0.0 161.6
176 79.4 0.0 159.2

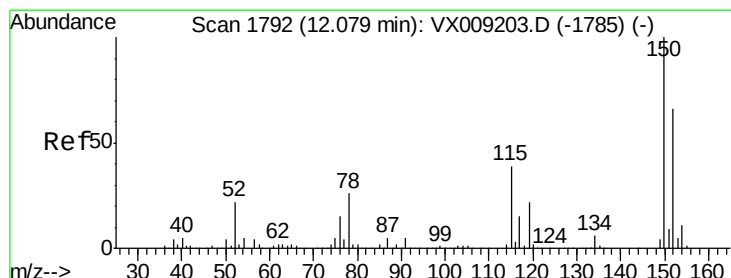
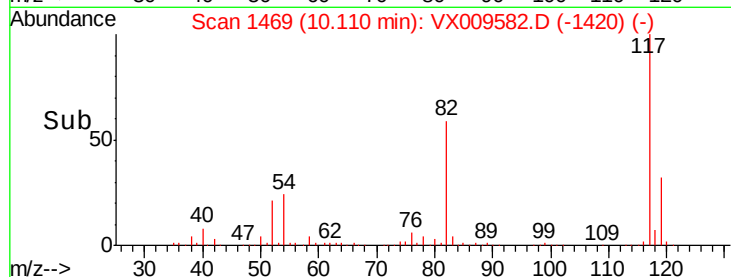
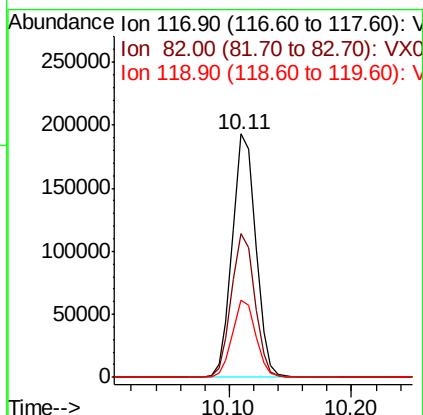
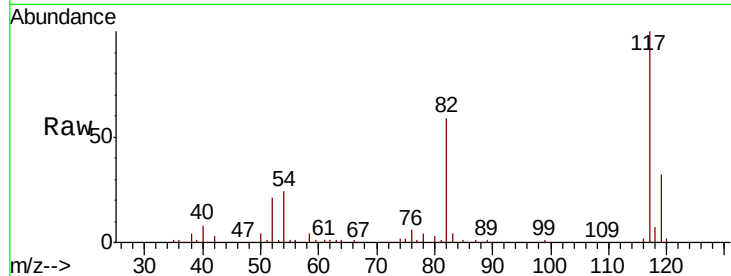




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009582.D
Acq: 15 May 2019 16:01

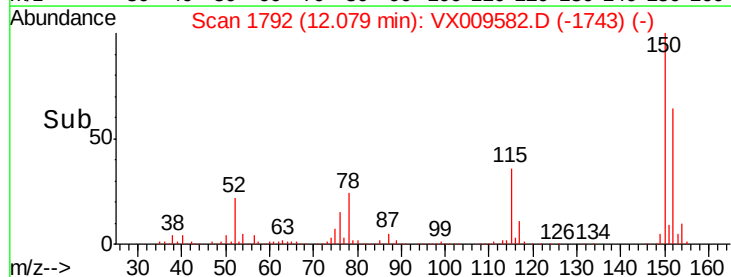
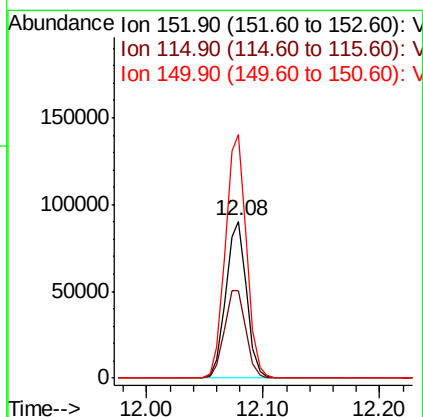
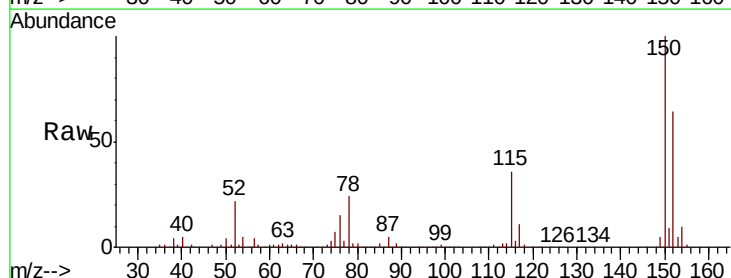
Instrument :
MSVOA_X
ClientSampled :

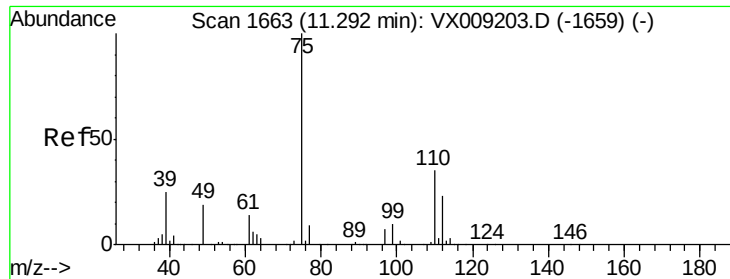
Tot Ion:117 Resp: 256509
Ion Ratio Lower Upper
117 100
82 59.2 48.8 73.2
119 31.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009582.D
Acq: 15 May 2019 16:01

Tgt Ion:152 Resp: 110645
Ion Ratio Lower Upper
152 100
115 58.0 41.2 123.6
150 157.9 0.0 346.4





#76

1,2,3-Trichloropropane

Concen: 24.041 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009582.D

Acq: 15 May 2019 16:01

Instrument :

MSVOA_X

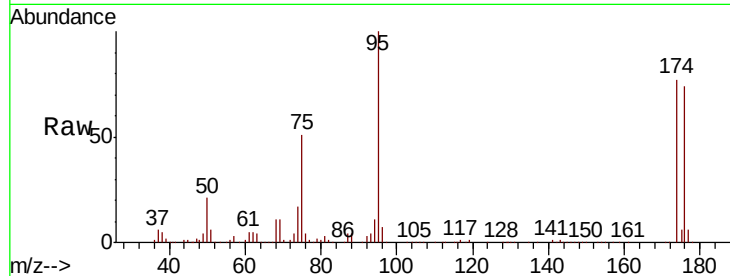
ClientSampleId :

Tot Ion: 75 Resp: 61702

Ion Ratio Lower Upper

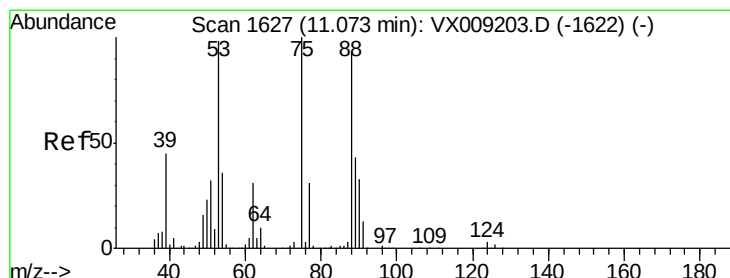
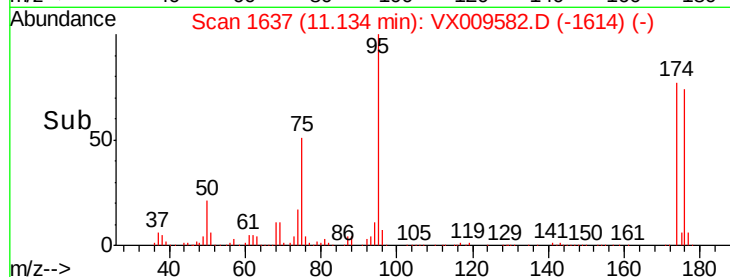
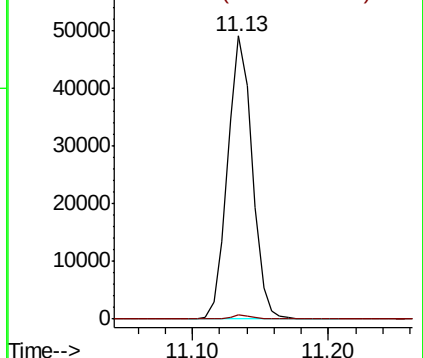
75 100

77 1.5 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: 61.511 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009582.D

Acq: 15 May 2019 16:01

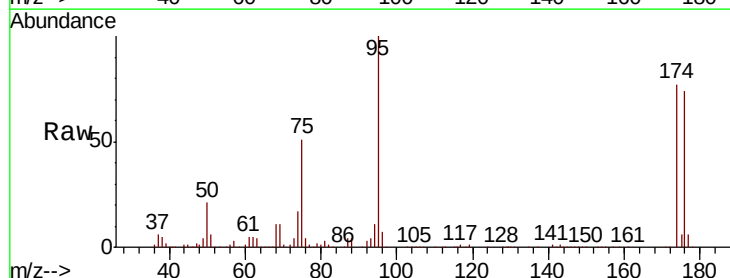
Tgt Ion: 75 Resp: 61702

Ion Ratio Lower Upper

75 100

53 0.1 79.0 118.6#

89 0.0 34.7 52.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

