

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009506.D
 Acq On : 11 May 2019 01:07
 Operator : JC/SP
 Sample : K2810-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0523-190509

Quant Time: May 11 03:34:33 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	184895	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	295810	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	107879	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	122154	48.40	ug/l	0.00
Spiked Amount			Recovery	=	96.80%	
35) Dibromofluoromethane	5.50	113	88970	47.84	ug/l	0.00
Spiked Amount			Recovery	=	95.68%	
50) Toluene-d8	8.71	98	365938	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
62) 4-Bromofluorobenzene	11.13	95	119691	43.88	ug/l	0.00
Spiked Amount			Recovery	=	87.76%	

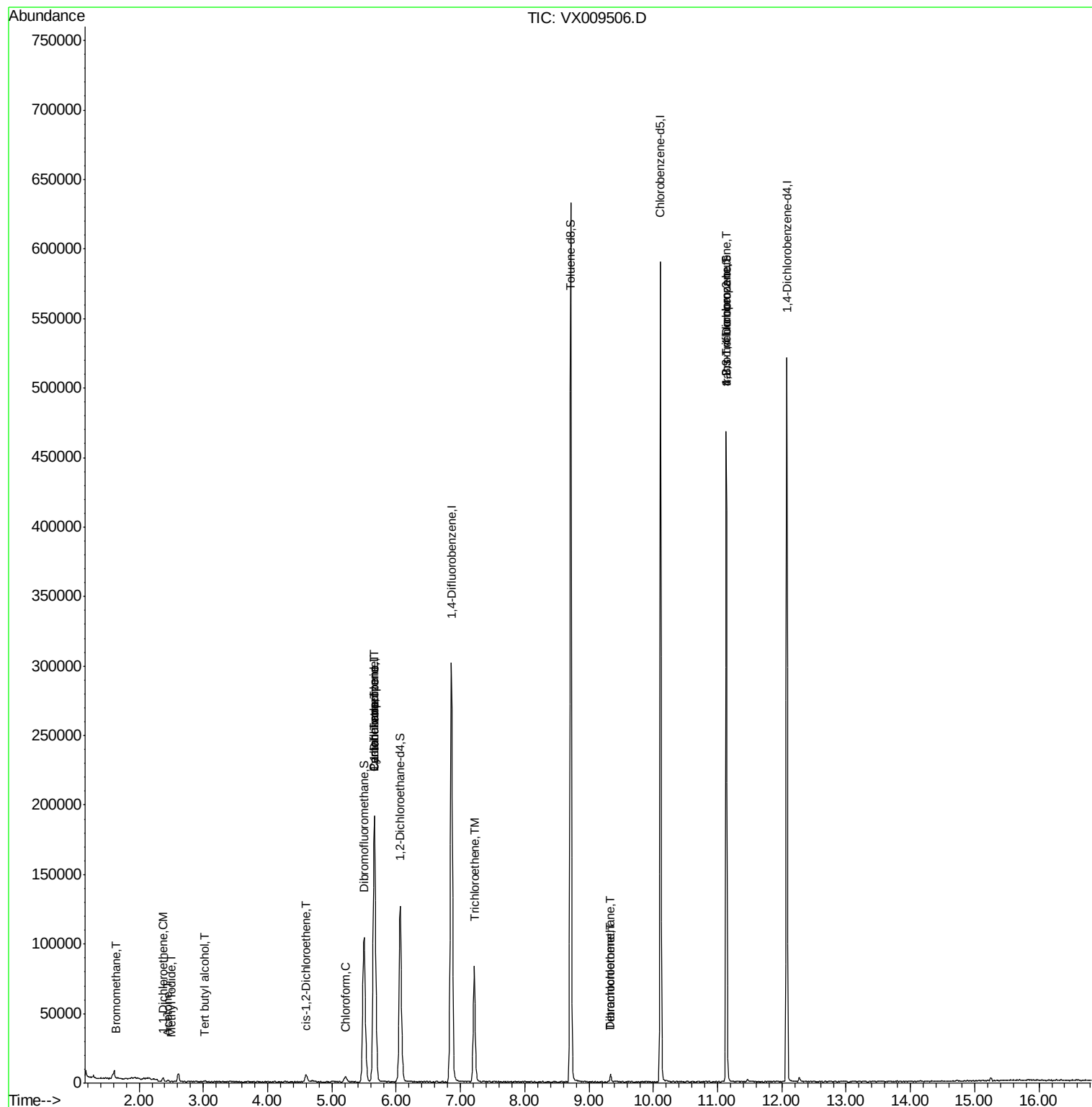
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	401	0.295	ug/l	98
10) Methyl Iodide	2.51	142	81	4.630	ug/l #	42
11) Tert butyl alcohol	3.01	59	455	0.779	ug/l #	89
12) 1,1-Dichloroethene	2.37	96	826	0.476	ug/l	98
16) Acetone	2.44	43	1010	0.745	ug/l	92
27) cis-1,2-Dichloroethene	4.59	96	3094	1.378	ug/l	88
28) Bromochloromethane	4.94	49	38	Below Cal	#	20
30) Chloroform	5.22	83	4159	1.146	ug/l	90
31) Cyclohexane	5.67	56	4183	1.121	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	14139	5.143	ug/l #	50
38) Carbon Tetrachloride	5.66	117	16644	6.664	ug/l #	15
44) Trichloroethene	7.21	130	31925	15.522	ug/l	99
60) Dibromochloromethane	9.33	129	936	0.454	ug/l #	11
64) Tetrachloroethene	9.34	164	925	0.525	ug/l #	86
76) 1,2,3-Trichloropropane	11.13	75	61794	24.694	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61794	63.183	ug/l #	10

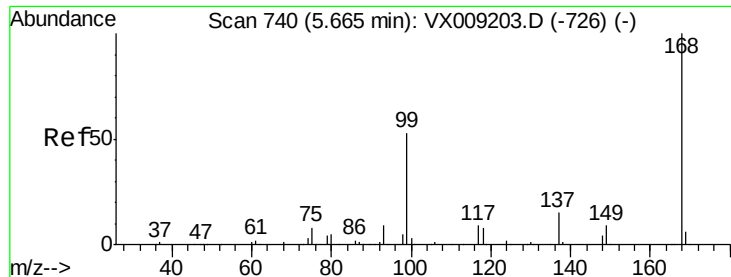
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX051019\
Data File : VX009506.D
Acq On : 11 May 2019 01:07
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Quant Time: May 11 03:34:33 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: VX009506.D

Acq: 11 May 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

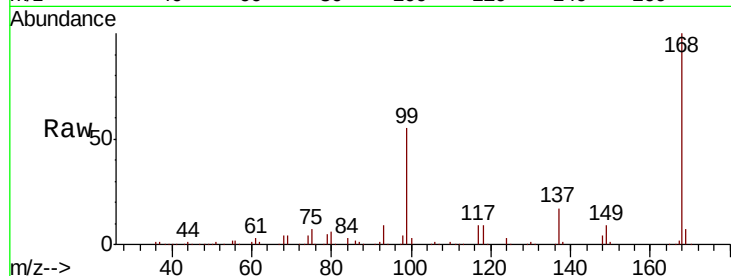
DUP-0523-190509

Tot Ion:168 Resp: 184895

Ion Ratio Lower Upper

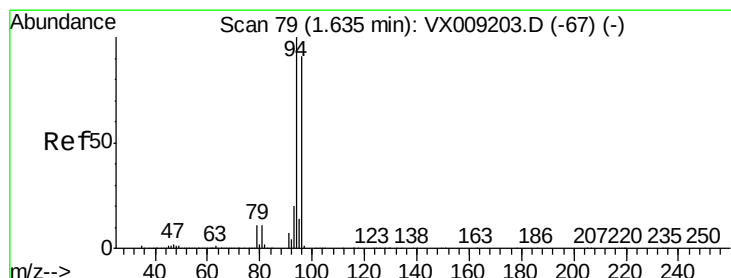
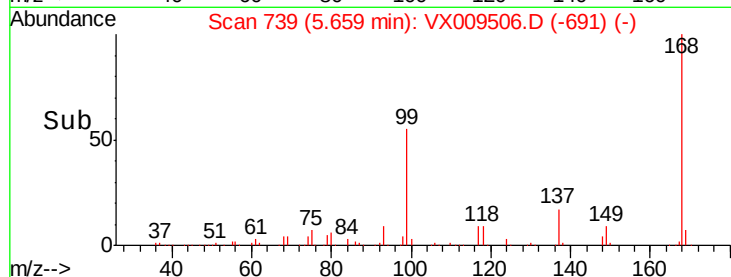
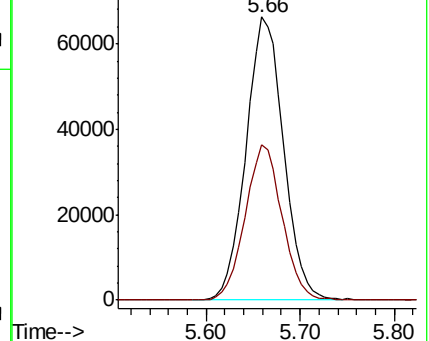
168 100

99 54.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.295 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009506.D

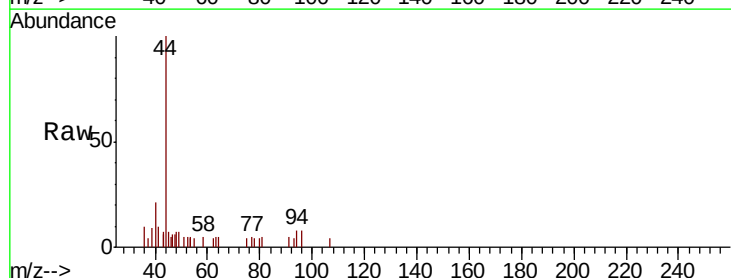
Acq: 11 May 2019 01:07

Tgt Ion: 94 Resp: 401

Ion Ratio Lower Upper

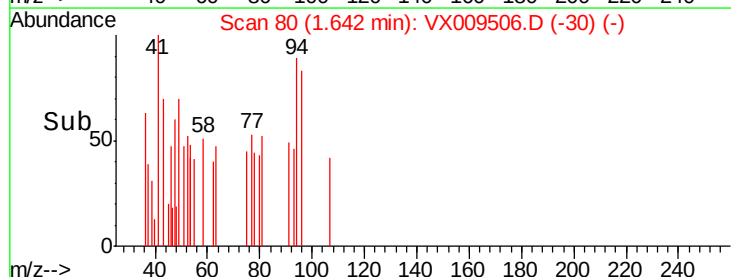
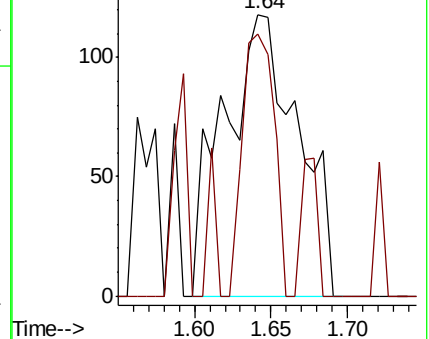
94 100

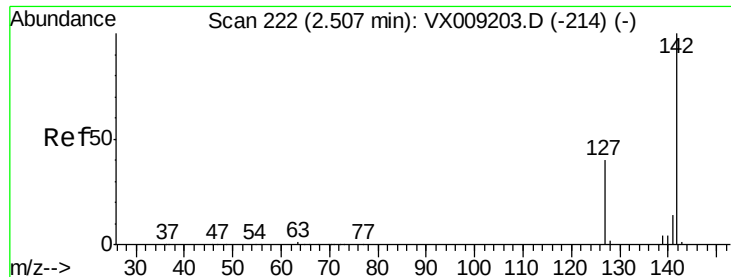
96 93.2 73.0 109.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

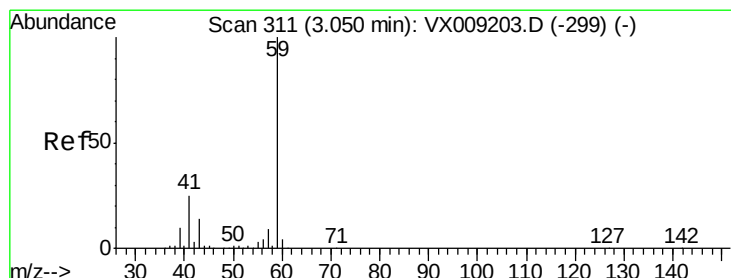
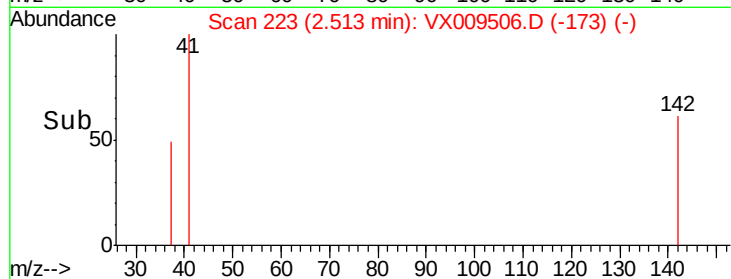
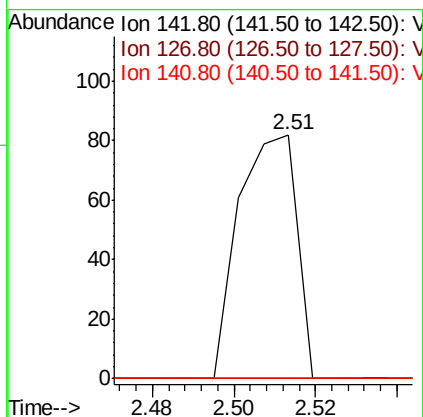
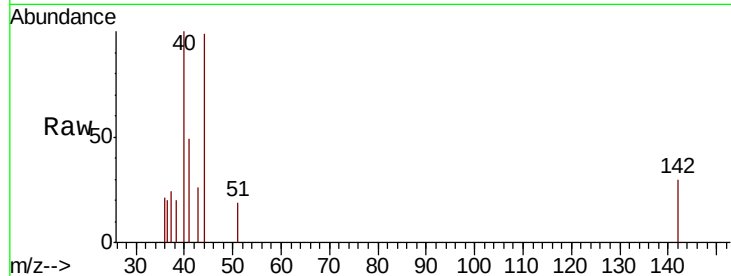




#10
Methvl Iodide
Concen: 4.630 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009506.D
Acq: 11 May 2019 01:07

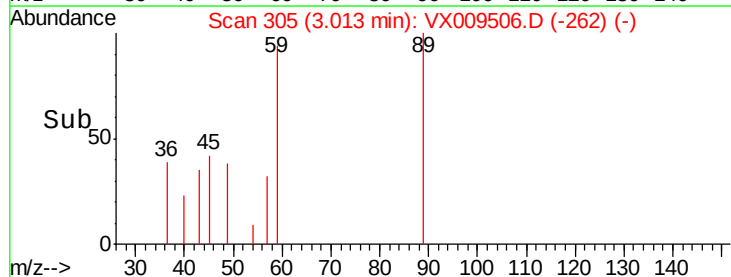
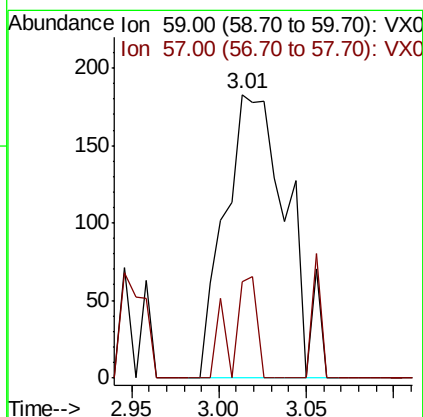
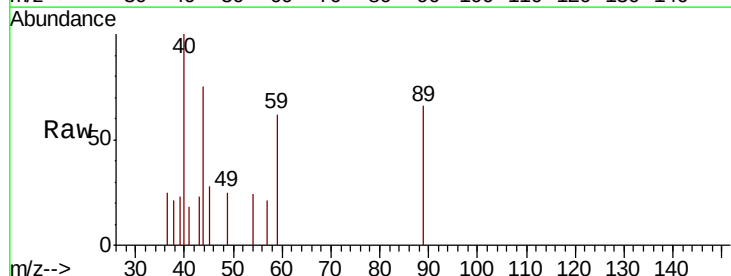
Instrument :
MSVOA_X
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DUP-0523-190509

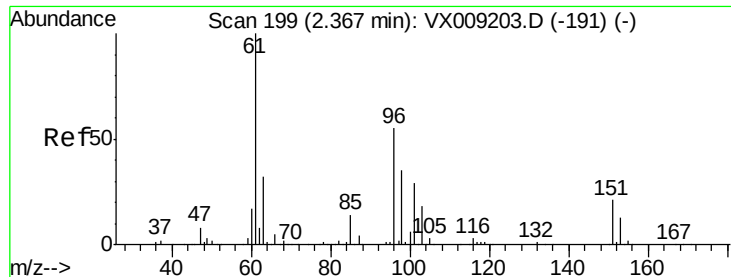
Tot Ion:142 Resp: 81
Ion Ratio Lower Upper
142 100
127 0.0 32.7 49.1#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 0.779 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX009506.D
Acq: 11 May 2019 01:07

Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
57 14.3 8.2 12.2#

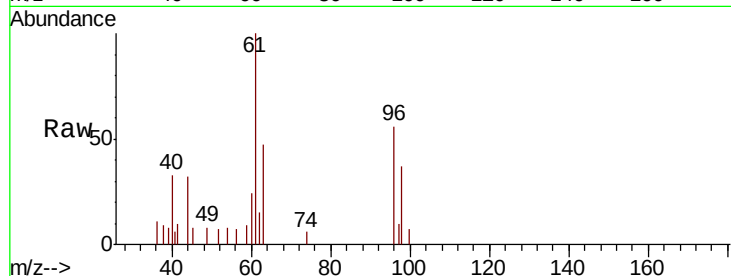




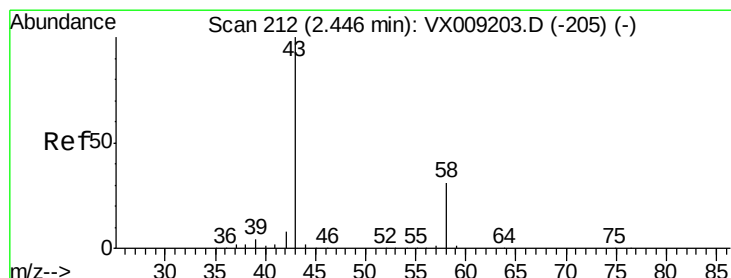
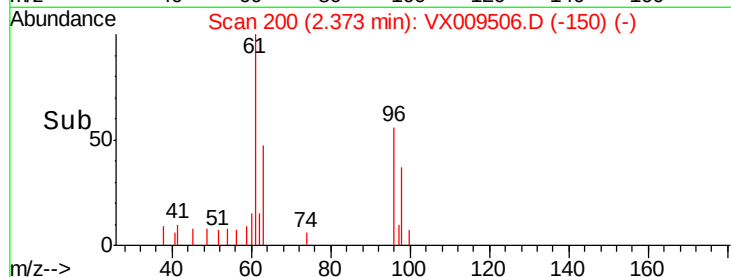
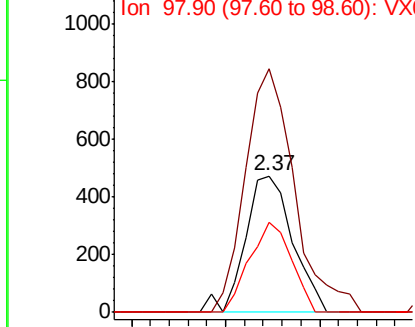
#12
 1,1-Dichloroethene
 Concen: 0.476 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. 0.01 min
 Lab File: VX009506.D
 Acq: 11 May 2019 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0523-190509

Tot Ion: 96 Resp: 826
 Ion Ratio Lower Upper
 96 100
 61 178.1 144.3 216.5
 98 65.7 50.3 75.5

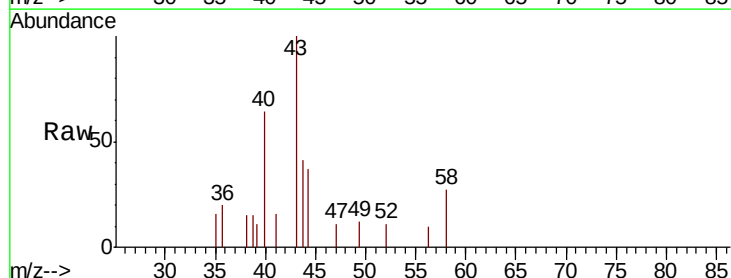


Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0

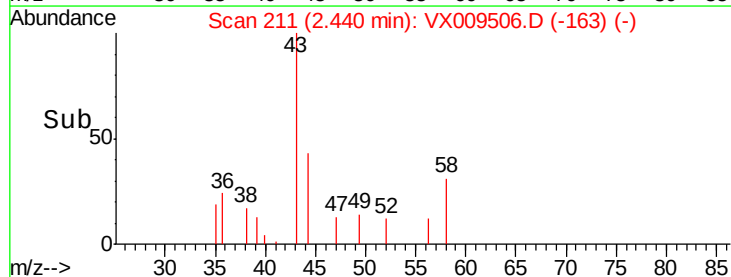
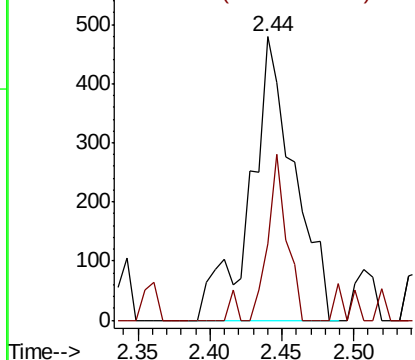


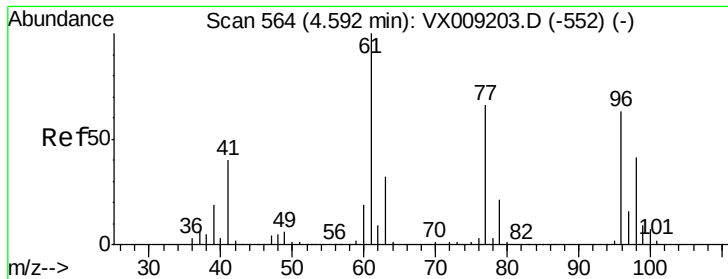
#16
 Acetone
 Concen: 0.745 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX009506.D
 Acq: 11 May 2019 01:07

Tgt Ion: 43 Resp: 1010
 Ion Ratio Lower Upper
 43 100
 58 26.7 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 58.00 (57.70 to 58.70): VX0



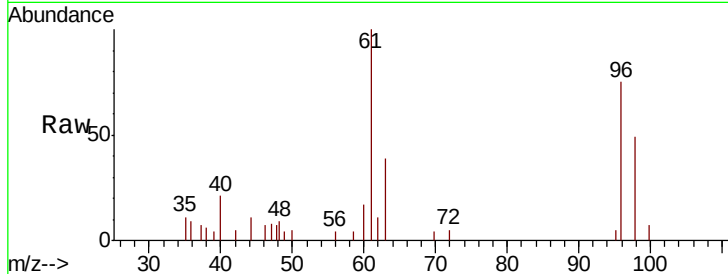


#27

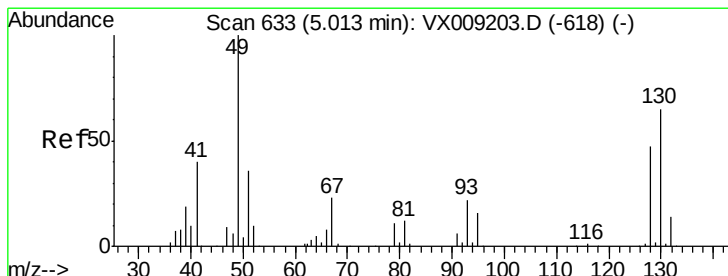
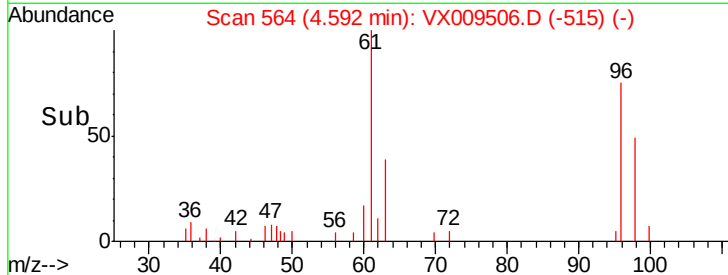
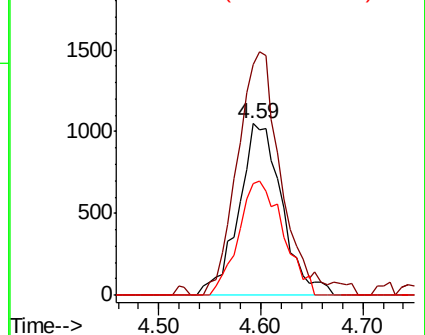
cis-1,2-Dichloroethene
 Concen: 1.378 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. 0.00 min
 Lab File: VX009506.D
 Acq: 11 May 2019 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0523-190509

Tot Ion: 96 Resp: 3094
 Ion Ratio Lower Upper
 96 100
 61 141.3 0.0 324.0
 98 68.5 0.0 130.4



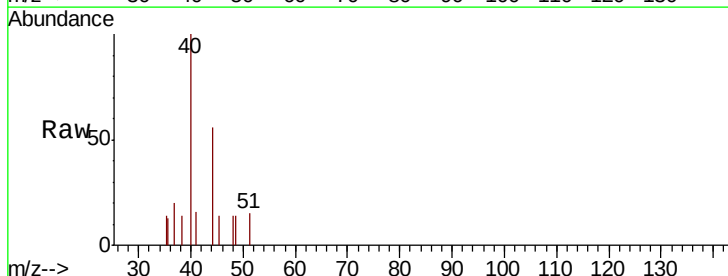
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



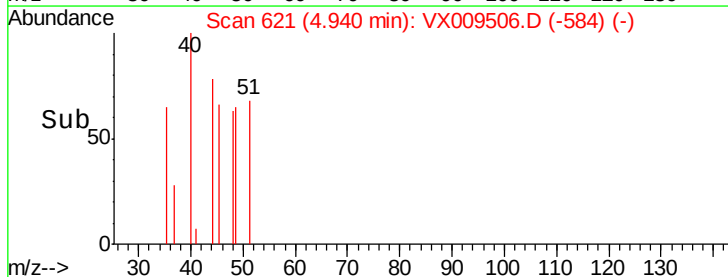
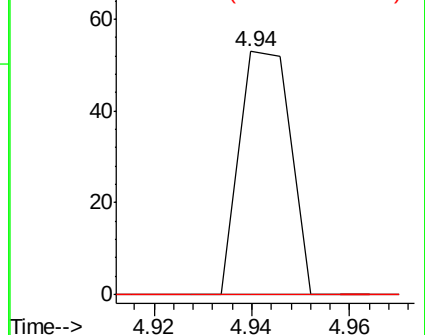
#28

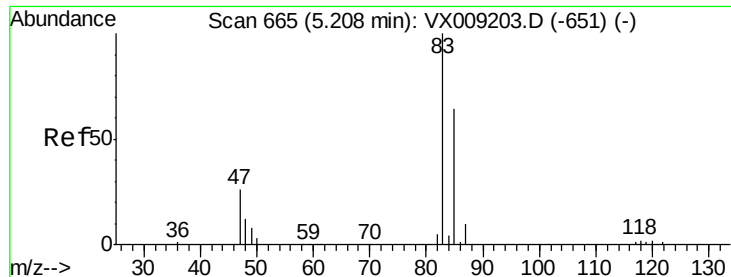
Bromochloromethane
 Concen: Below Cal
 RT: 4.94 min Scan# 621
 Delta R.T. -0.07 min
 Lab File: VX009506.D
 Acq: 11 May 2019 01:07

Tgt Ion: 49 Resp: 38
 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

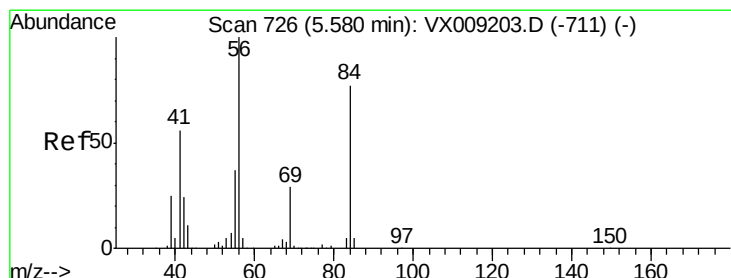
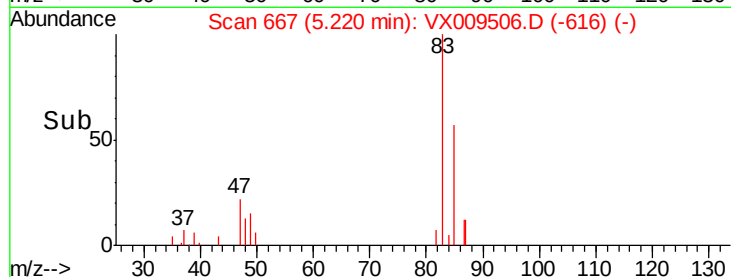
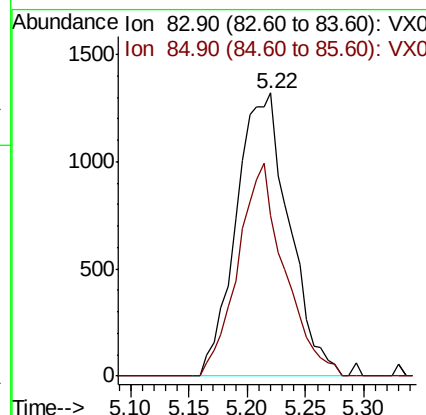
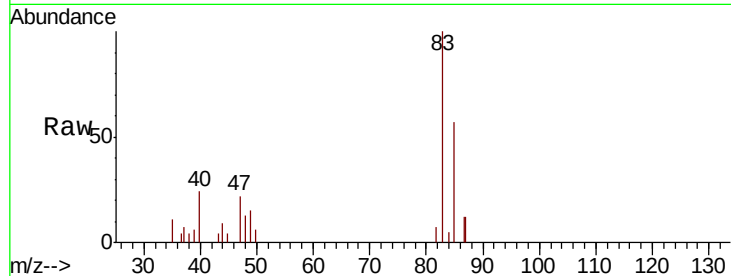




#30
Chloroform
Concen: 1.146 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX009506.D
Acq: 11 May 2019 01:07

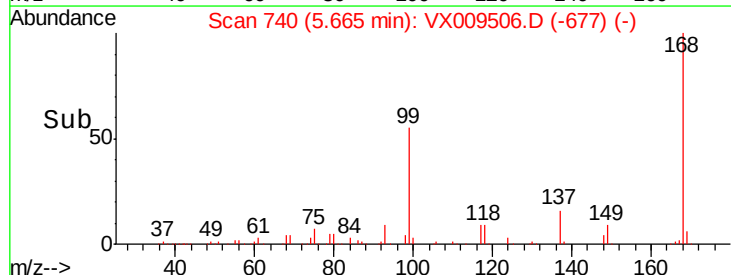
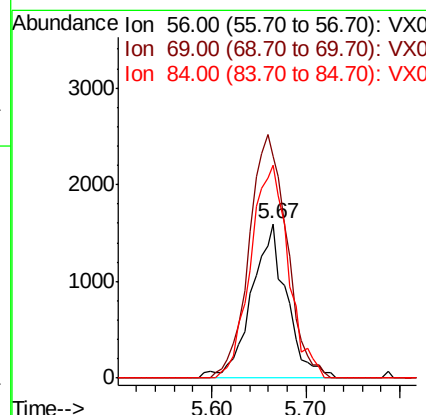
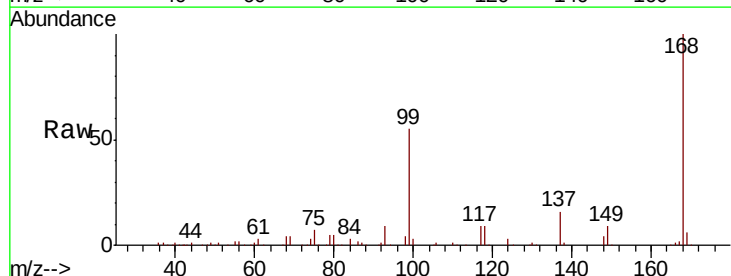
Instrument :
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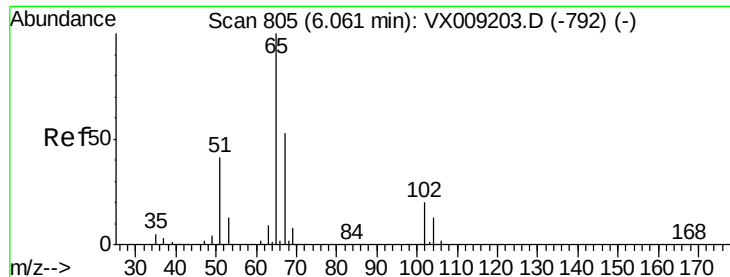
Tot Ion: 83 Resp: 4159
Ion Ratio Lower Upper
83 100
85 56.5 51.5 77.3



#31
Cyclohexane
Concen: 1.121 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009506.D
Acq: 11 May 2019 01:07

Tgt Ion: 56 Resp: 4183
Ion Ratio Lower Upper
56 100
69 143.8 23.4 35.0#
84 138.3 61.9 92.9#

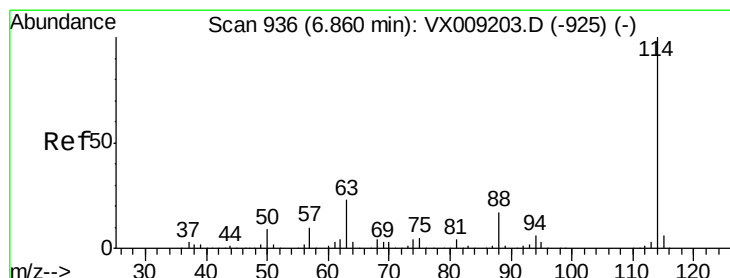
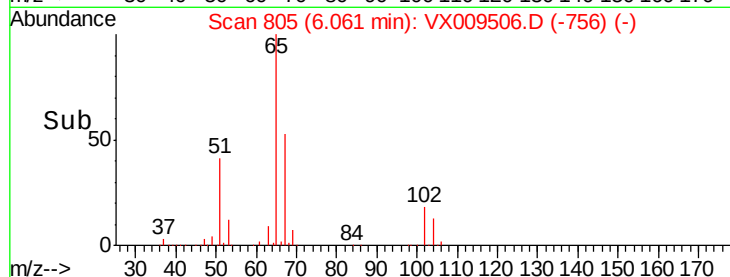
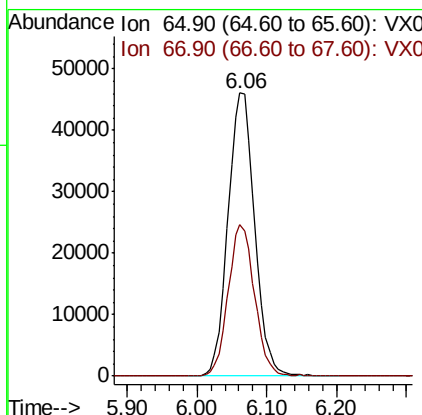
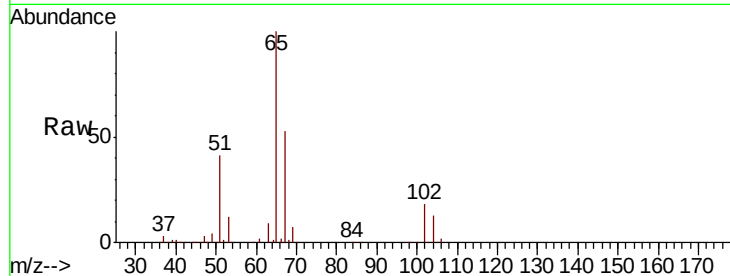




#33
 1,2-Dichloroethane-d4
 Concen: 48.396 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009506.D
 Acq: 11 May 2019 01:07

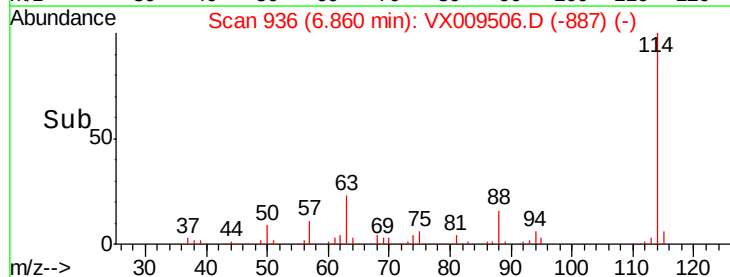
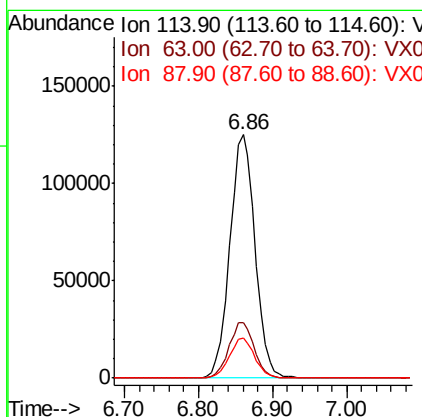
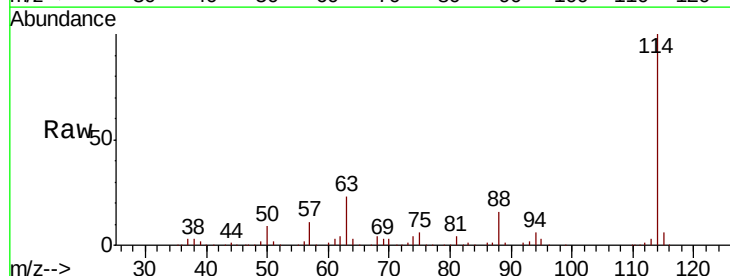
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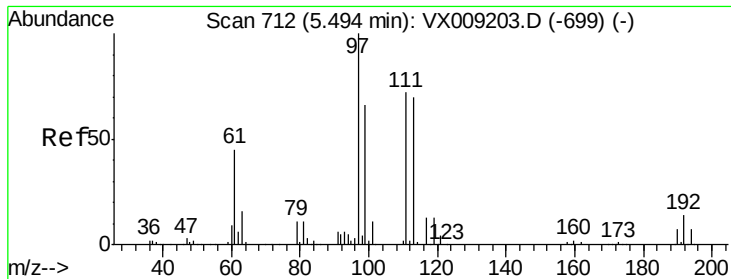
Tot Ion: 65 Resp: 122154
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009506.D
 Acq: 11 May 2019 01:07

Tgt Ion: 114 Resp: 295810
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 45.6
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.844 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.01 min

Lab File: VX009506.D

Acq: 11 May 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0523-190509

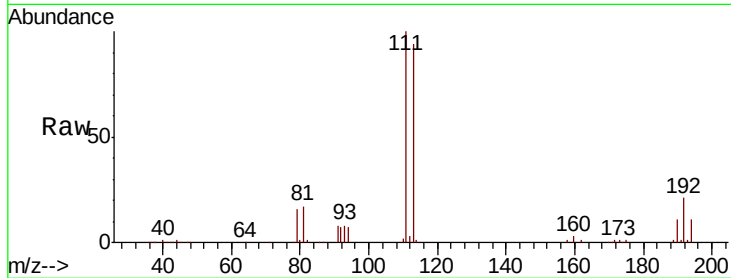
Tot Ion:113 Resp: 88970

Ion Ratio Lower Upper

113 100

111 104.0 82.8 124.2

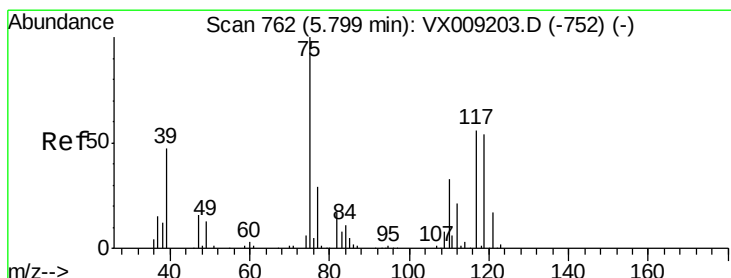
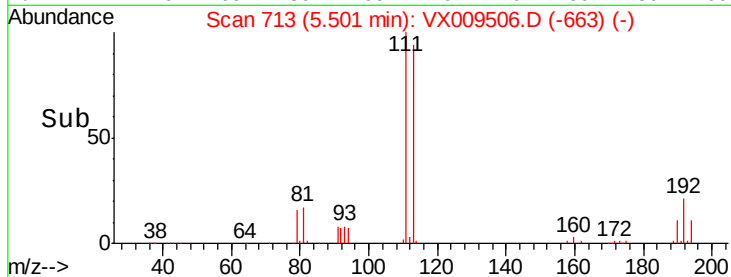
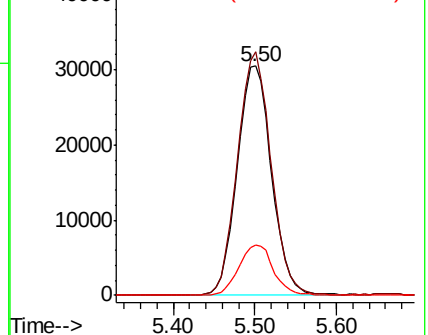
192 22.1 17.0 25.6



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: 5.143 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009506.D

Acq: 11 May 2019 01:07

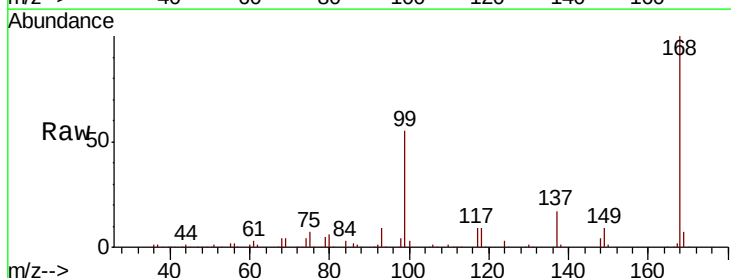
Tgt Ion: 75 Resp: 14139

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.6#

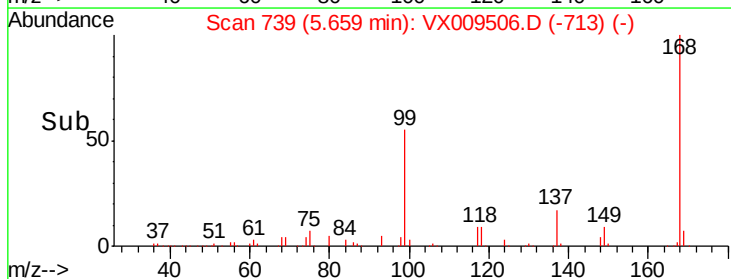
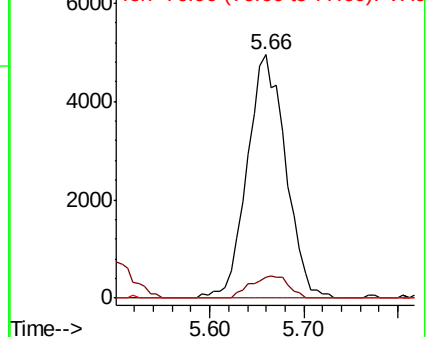
77 0.0 24.8 37.2#

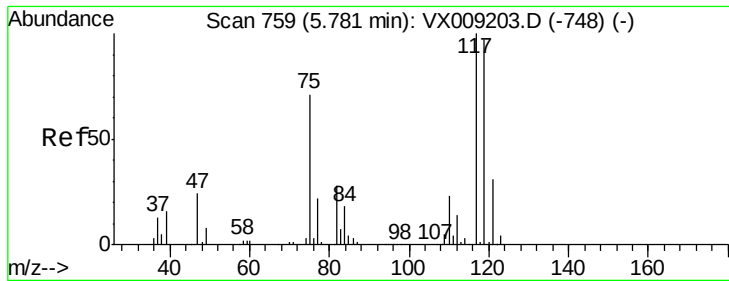


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.664 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009506.D

Acq: 11 May 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0523-190509

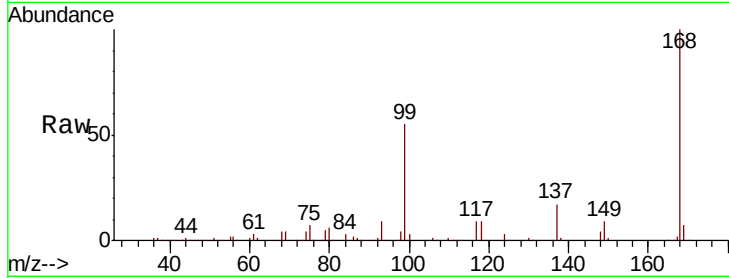
Tot Ion:117 Resp: 16644

Ion Ratio Lower Upper

117 100

119 4.3 77.5 116.3#

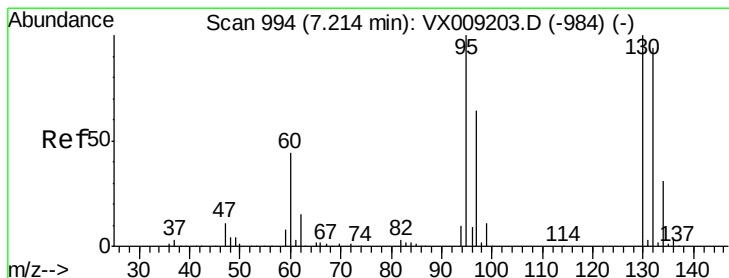
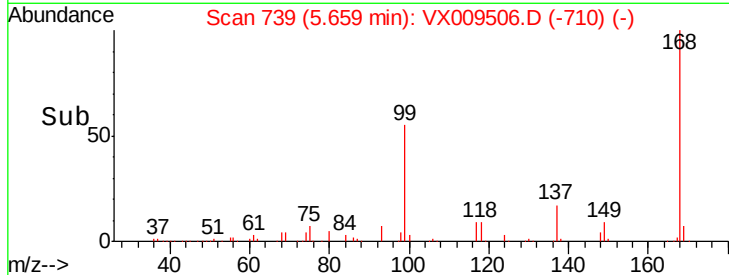
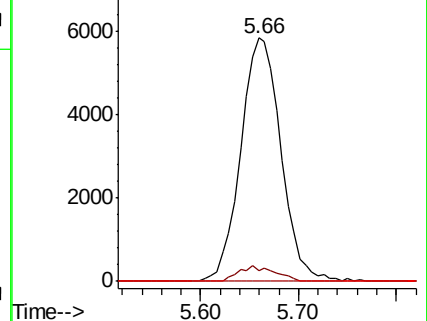
121 0.0 24.7 37.1#



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



#44

Trichloroethene

Concen: 15.522 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX009506.D

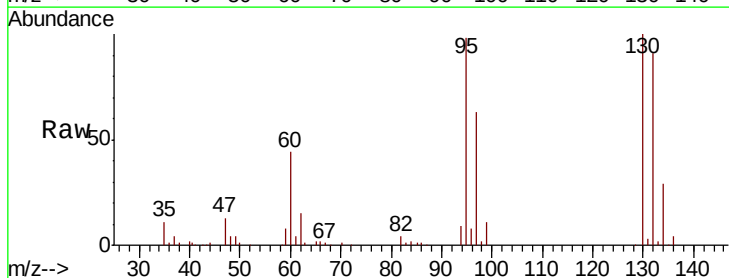
Acq: 11 May 2019 01:07

Tgt Ion:130 Resp: 31925

Ion Ratio Lower Upper

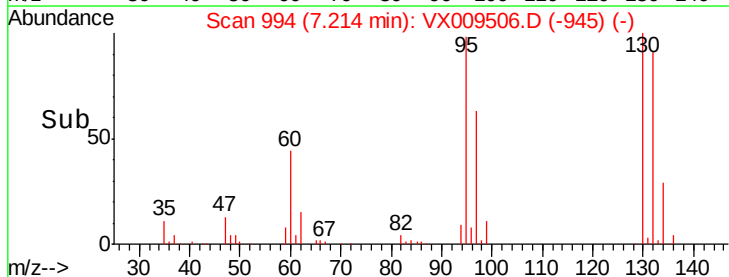
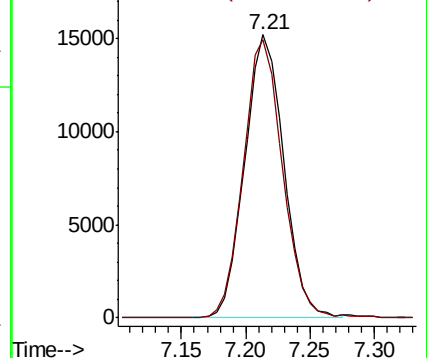
130 100

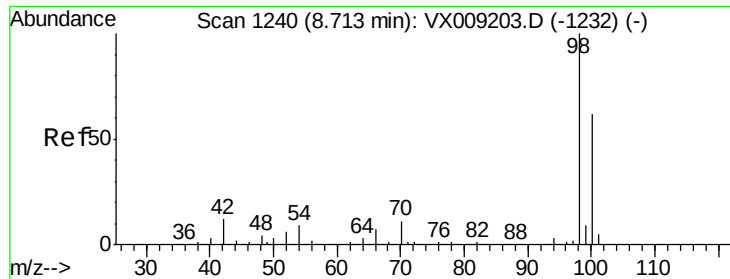
95 98.4 0.0 199.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

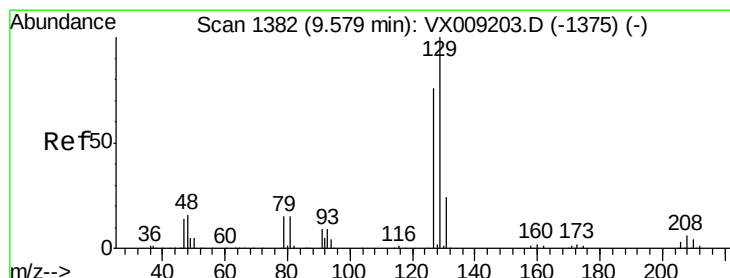
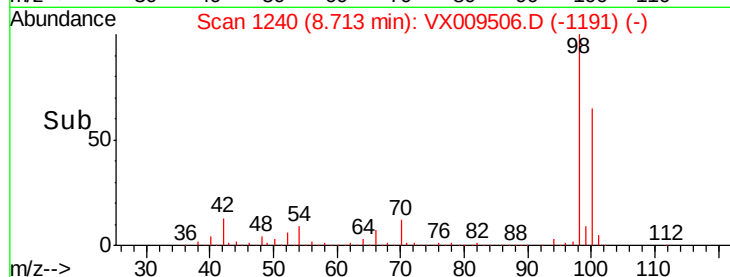
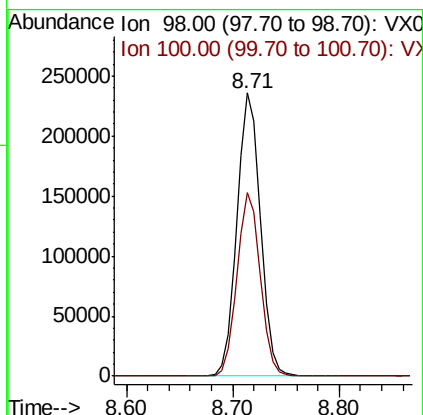
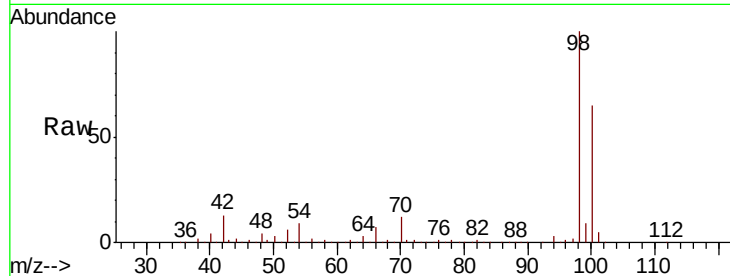




#50
Toluene-d8
Concen: 48.742 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009506.D
Acq: 11 May 2019 01:07

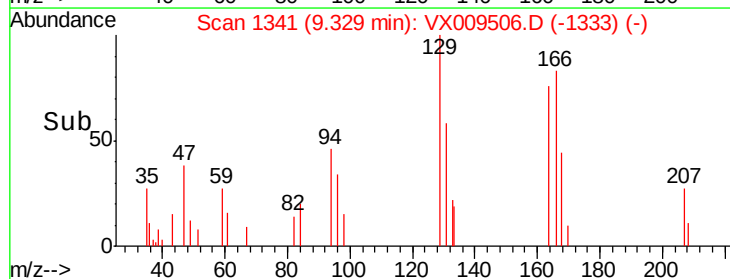
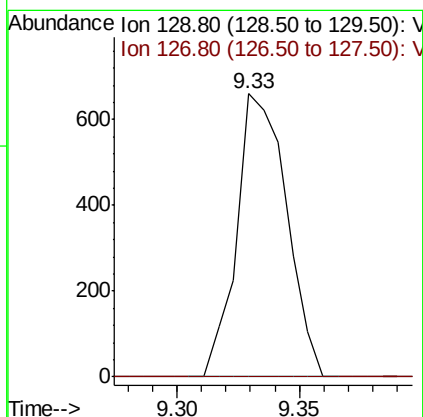
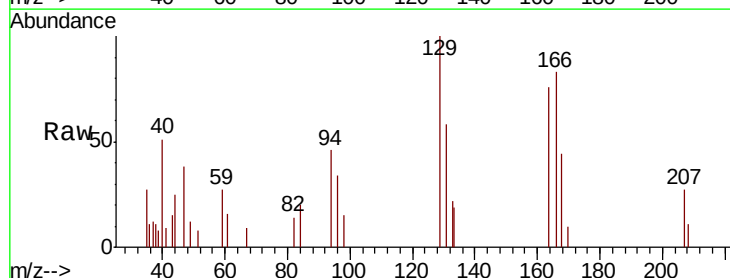
Instrument :
MSVOA_X
ClientSampleId :
DUP-0523-190509

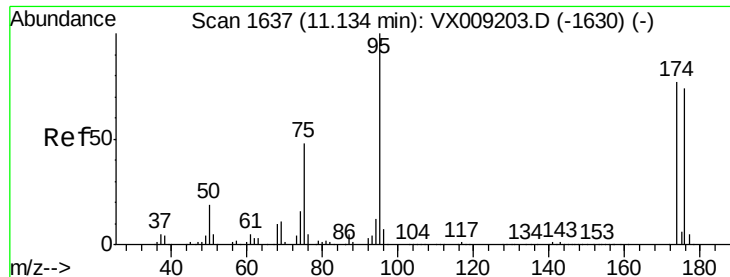
Tot Ion: 98 Resp: 365938
Ion Ratio Lower Upper
98 100
100 64.3 51.2 76.8



#60
Dibromochloromethane
Concen: 0.454 ug/l
RT: 9.33 min Scan# 1341
Delta R.T. -0.25 min
Lab File: VX009506.D
Acq: 11 May 2019 01:07

Tgt Ion:129 Resp: 936
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#





#62

4-Bromofluorobenzene

Concen: 43.875 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009506.D

Acq: 11 May 2019 01:07

Instrument :

MSVOA_X

ClientSampleId :

DUP-0523-190509

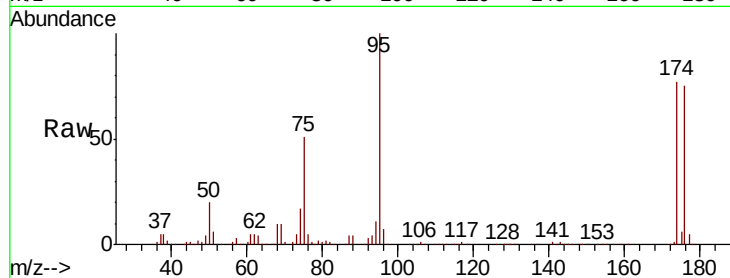
Tot Ion: 95 Resp: 119691

Ion Ratio Lower Upper

95 100

174 83.0 0.0 161.6

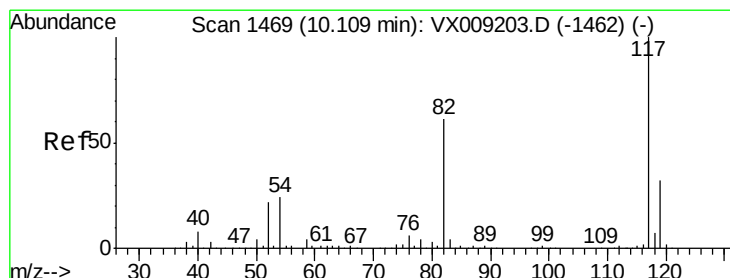
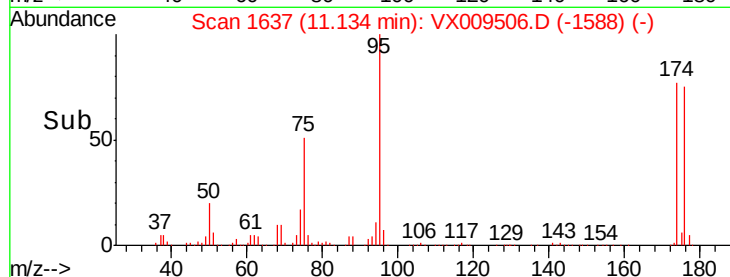
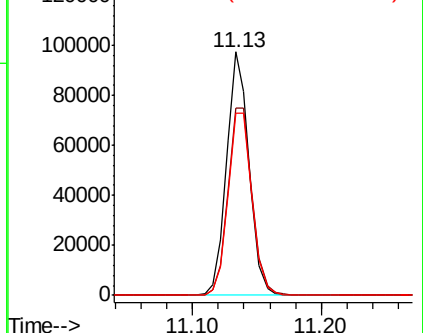
176 80.4 0.0 159.2



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: VX009506.D

Acq: 11 May 2019 01:07

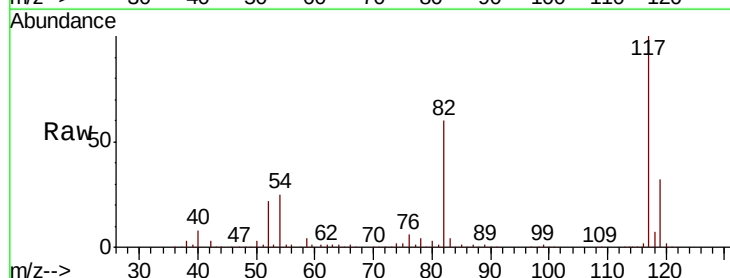
Tgt Ion: 117 Resp: 256918

Ion Ratio Lower Upper

117 100

82 60.0 48.8 73.2

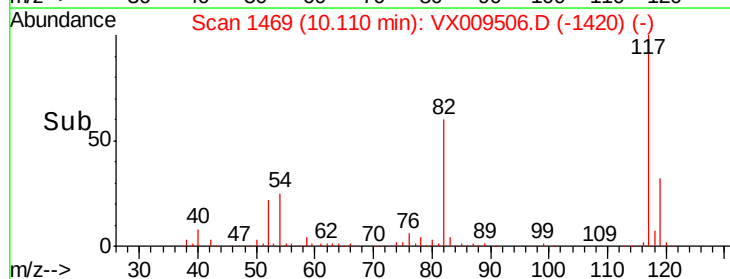
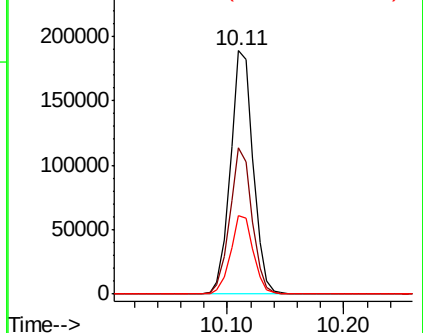
119 32.2 25.8 38.6

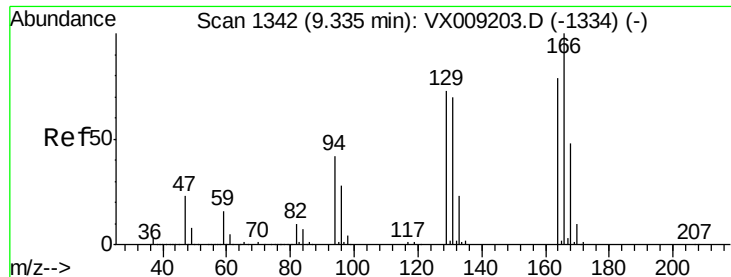


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

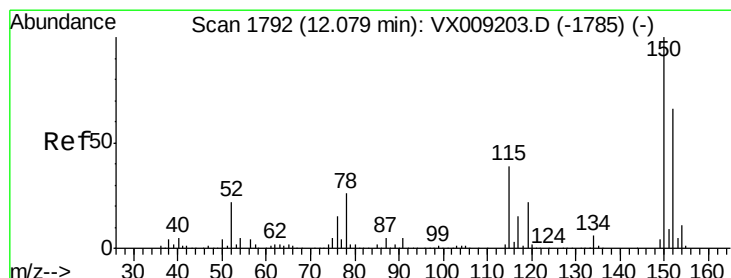
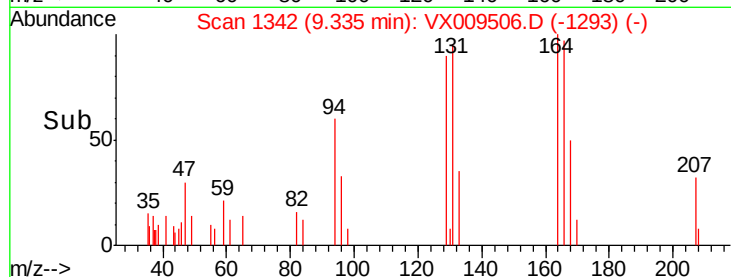
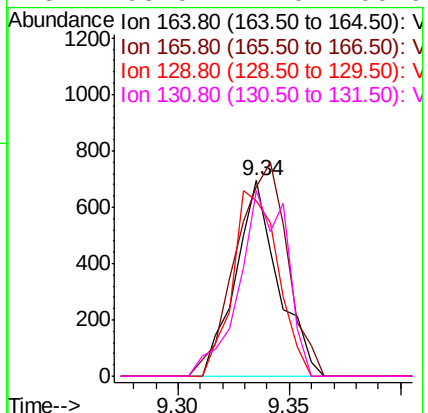
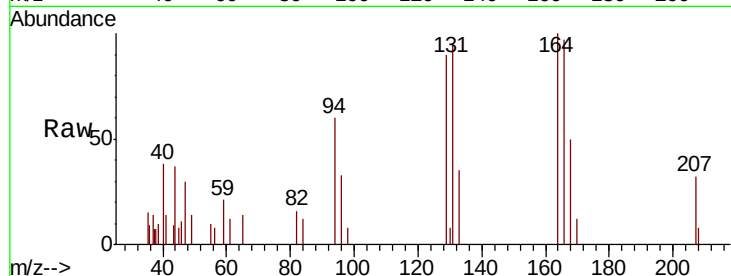




#64
Tetrachloroethene
Concen: 0.525 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009506.D
Acq: 11 May 2019 01:07

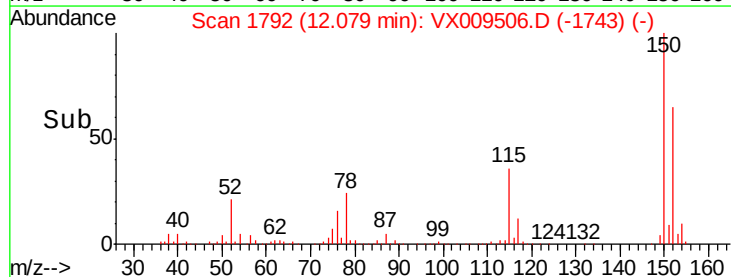
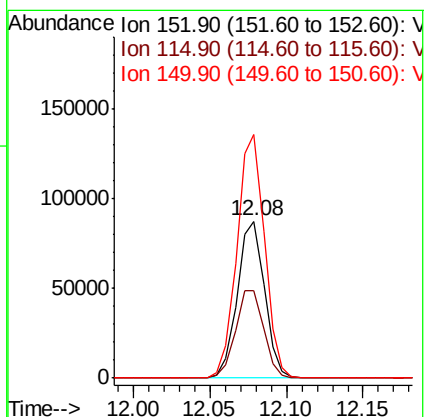
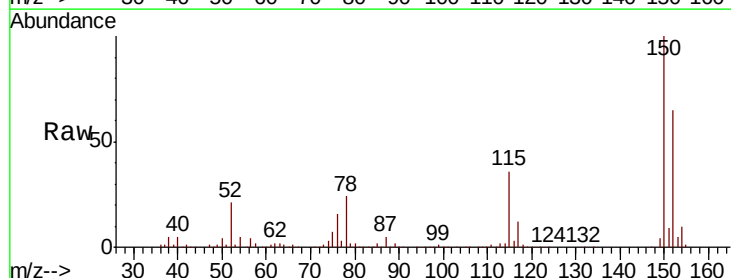
Instrument :
MSVOA_X
ClientSampleId :
DUP-0523-190509

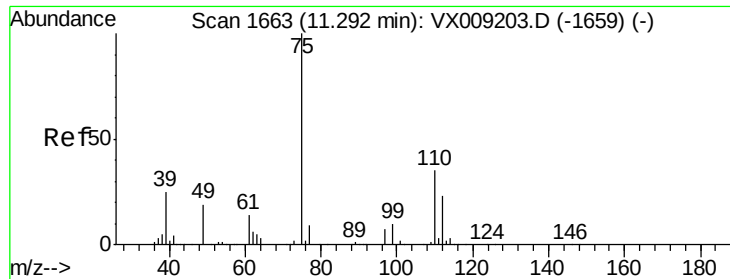
Tot Ion	Ratio	Lower	Upper
164	100		
166	96.7	101.2	151.8#
129	89.8	74.3	111.5
131	95.0	71.0	106.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009506.D
Acq: 11 May 2019 01:07

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	41.2	123.6
150	157.4	0.0	346.4

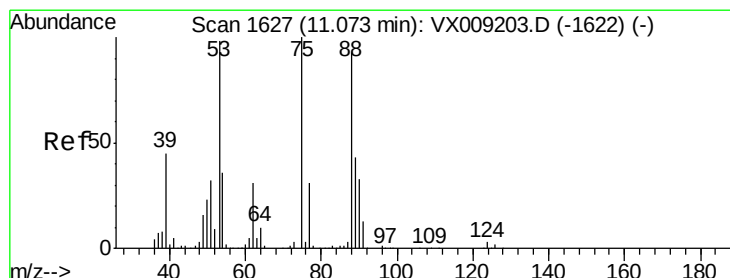
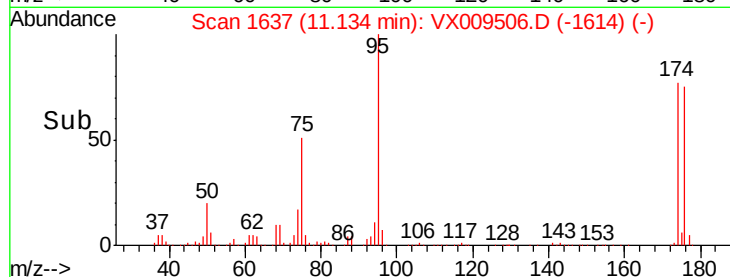
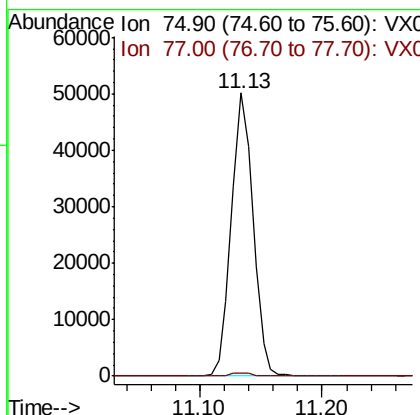
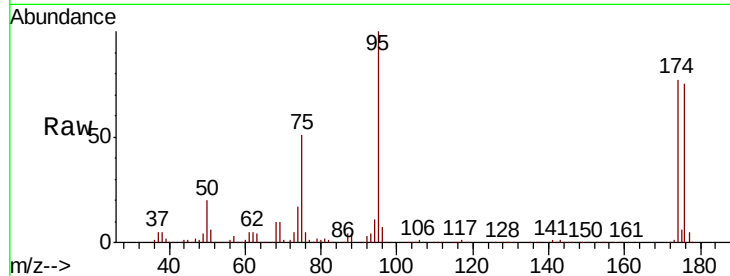




#76
 1,2,3-Trichloropropane
 Concen: 24.694 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009506.D
 Acq: 11 May 2019 01:07

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP-0523-190509

Tot Ion: 75 Resp: 61794
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.183 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009506.D
 Acq: 11 May 2019 01:07

Tgt Ion: 75 Resp: 61794
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.0 118.6#
 89 0.0 34.7 52.1#

