

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012965.D
 Acq On : 10 Oct 2019 01:03
 Operator : JC/SP
 Sample : K5260-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 10 06:48:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182683	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	304558	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	258042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	100911	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	116048	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
35) Dibromofluoromethane	5.49	113	90638	51.85	ug/l	0.00
Spiked Amount			Recovery	=	103.70%	
50) Toluene-d8	8.71	98	358505	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.14	95	121538	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	

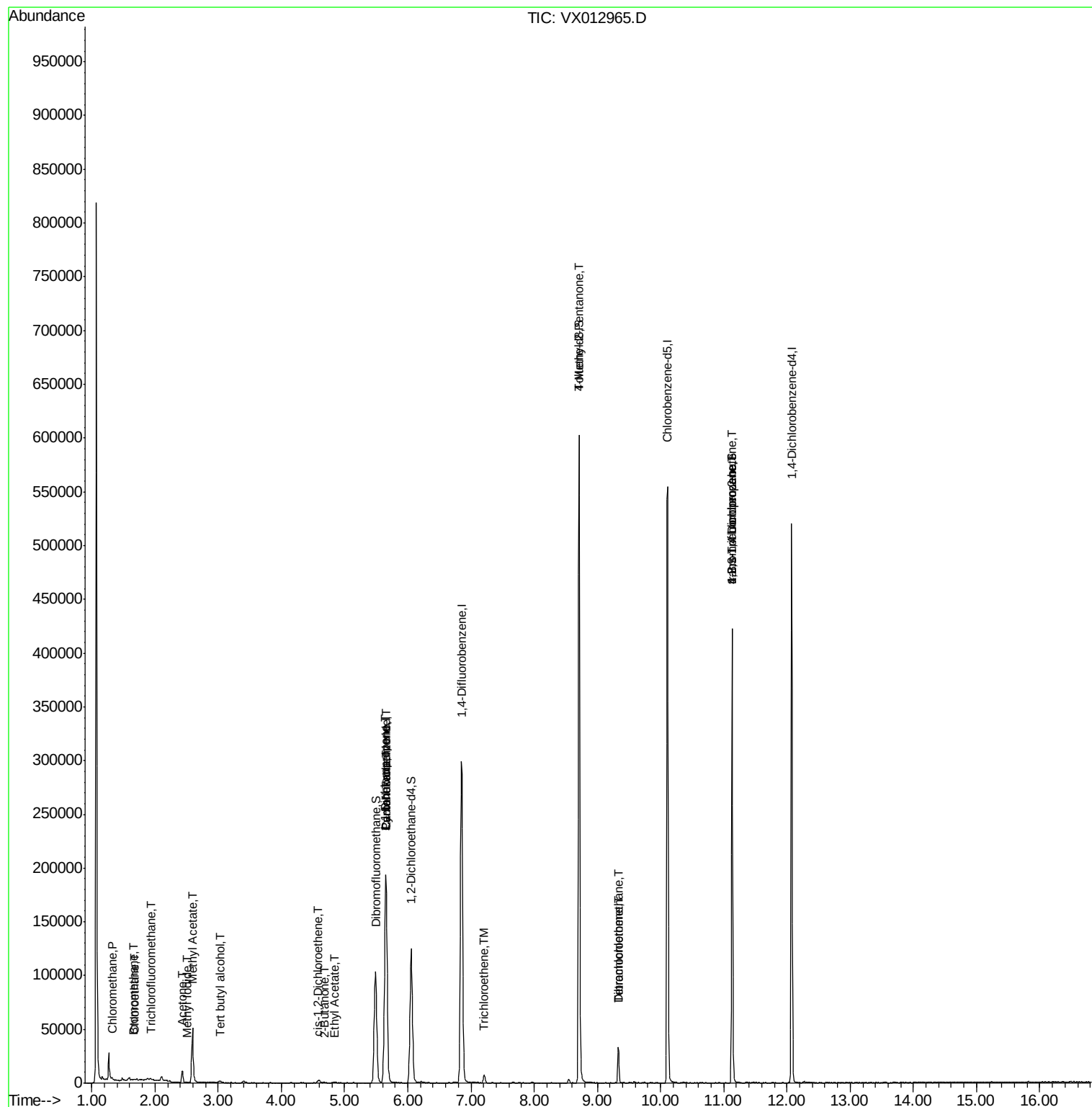
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	864	0.426	ug/l	98
5) Bromomethane	1.65	94	301	0.346	ug/l #	33
6) Chloroethane	1.68	64	217	0.536	ug/l	91
7) Trichlorofluoromethane	1.92	101	1018	0.361	ug/l	96
10) Methyl Iodide	2.50	142	140	5.142	ug/l #	40
11) Tert butyl alcohol	3.03	59	1942	3.208	ug/l #	82
16) Acetone	2.43	43	11775	9.784	ug/l	89
18) Methyl Acetate	2.59	43	14497	5.082	ug/l #	51
25) 2-Butanone	4.69	43	475	0.284	ug/l #	49
27) cis-1,2-Dichloroethene	4.58	96	1405	0.616	ug/l	92
31) Cyclohexane	5.66	56	4097	1.236	ug/l #	1
36) 1,1-Dichloropropene	5.64	75	14734	5.502	ug/l #	50
37) Ethyl Acetate	4.84	43	1486	0.496	ug/l #	67
38) Carbon Tetrachloride	5.65	117	19618	7.527	ug/l #	17
44) Trichloroethene	7.22	130	2958	1.349	ug/l	98
51) 4-Methyl-2-Pentanone	8.72	43	1744	0.582	ug/l #	1
60) Dibromochloromethane	9.33	129	6338	4.596	ug/l #	10
64) Tetrachloroethene	9.33	164	6536	3.652	ug/l	95
76) 1,2,3-Trichloropropane	11.13	75	60281	26.933	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	60281	67.684	ug/l #	10

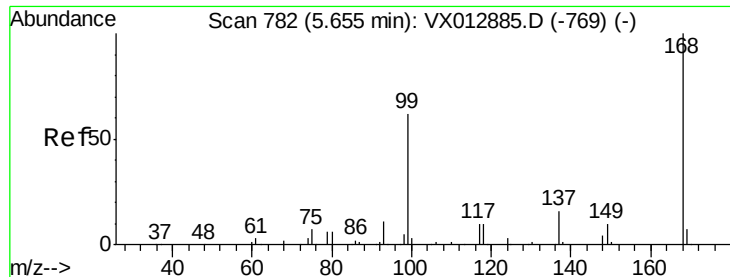
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration

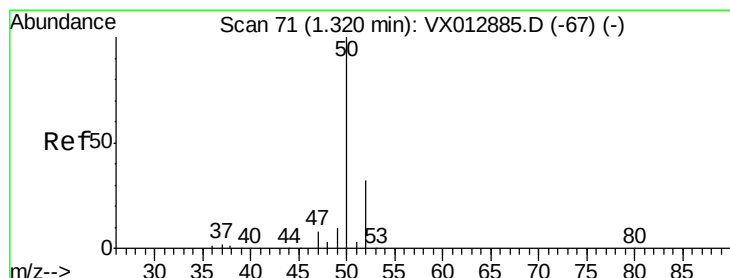
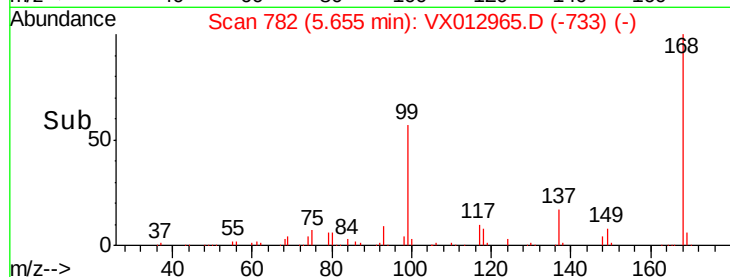
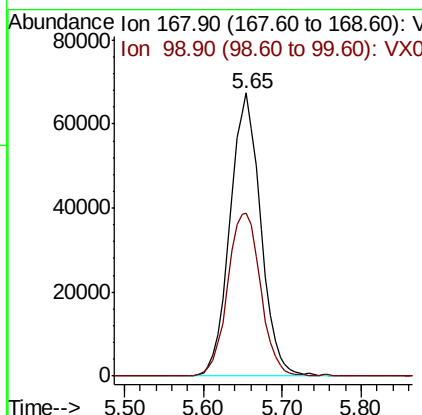
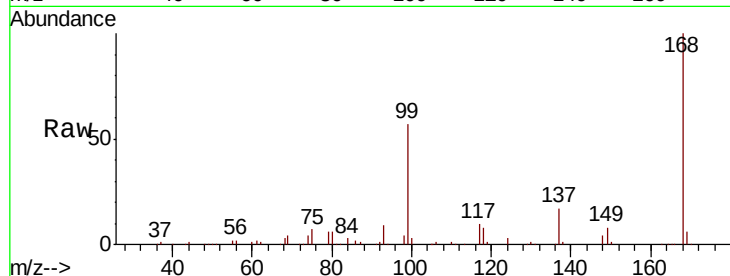




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

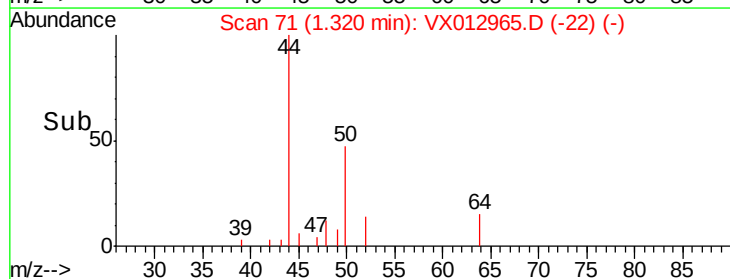
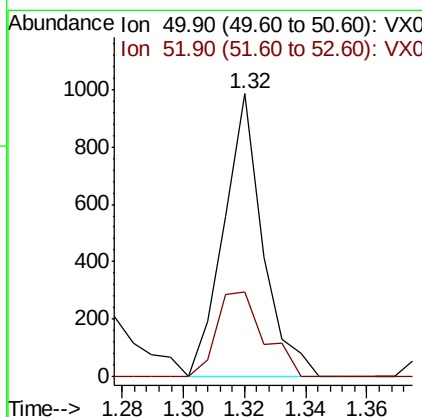
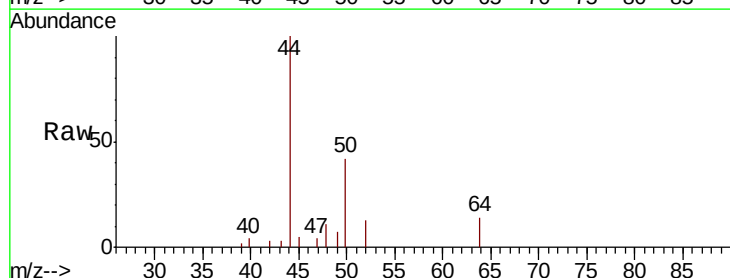
Instrument :
MSVOA_X
ClientSampleId :

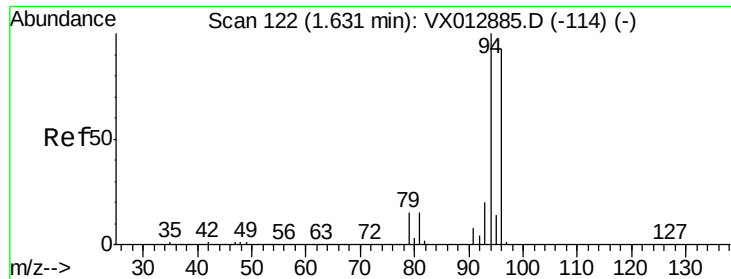
Tot Ion:168 Resp: 182683
Ion Ratio Lower Upper
168 100
99 57.4 49.4 74.0



#3
Chloromethane
Concen: 0.426 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

Tgt Ion: 50 Resp: 864
Ion Ratio Lower Upper
50 100
52 30.2 25.2 37.8





#5

Bromomethane

Concen: 0.346 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

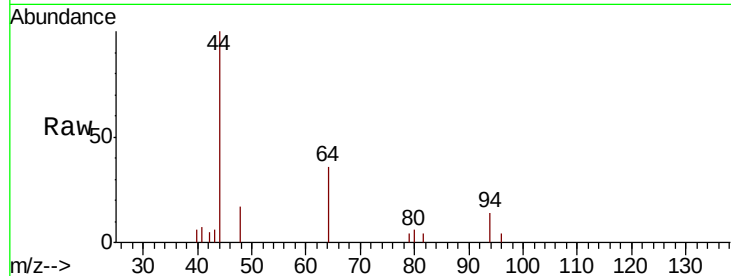
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 94 Resp: 301

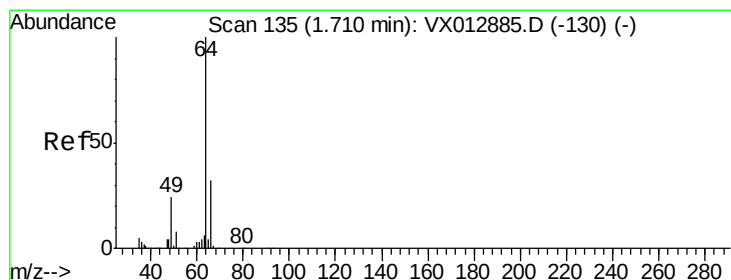
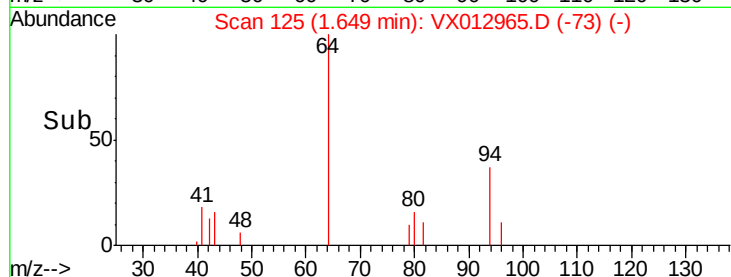
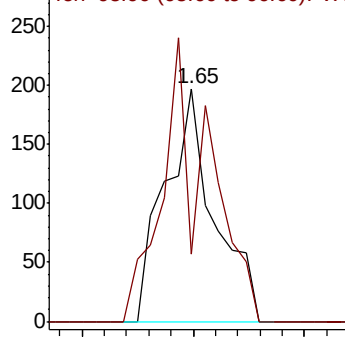
Ion Ratio Lower Upper

94 100

96 28.9 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0
Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.536 ug/l

RT: 1.68 min Scan# 130

Delta R.T. -0.03 min

Lab File: VX012965.D

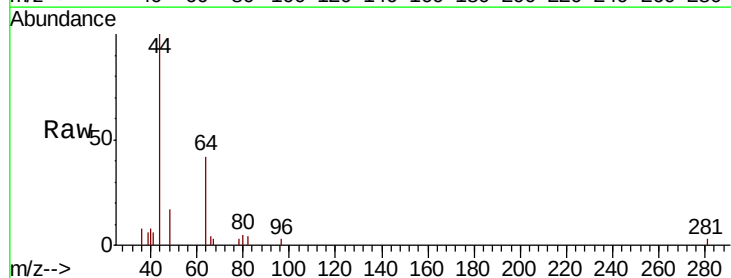
Acq: 10 Oct 2019 01:03

Tgt Ion: 64 Resp: 217

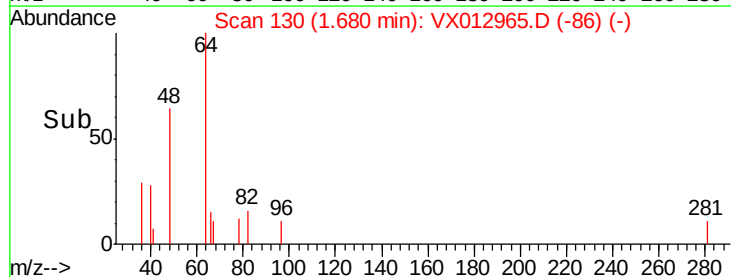
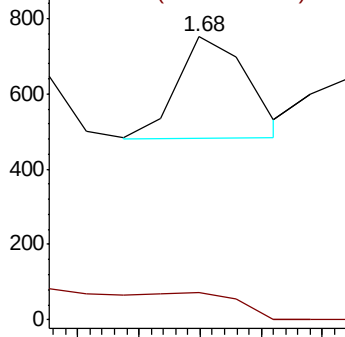
Ion Ratio Lower Upper

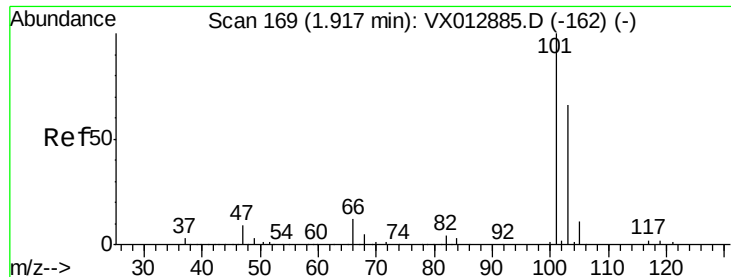
64 100

66 26.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VX0
Ion 65.90 (65.60 to 66.60): VX0



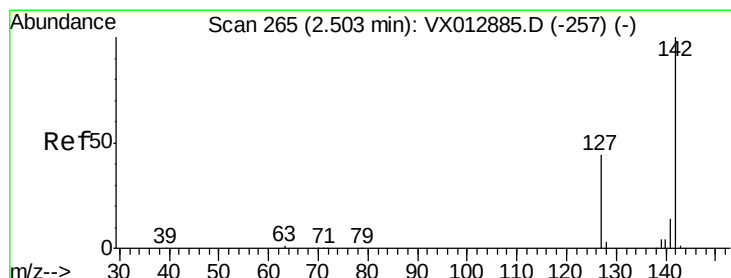
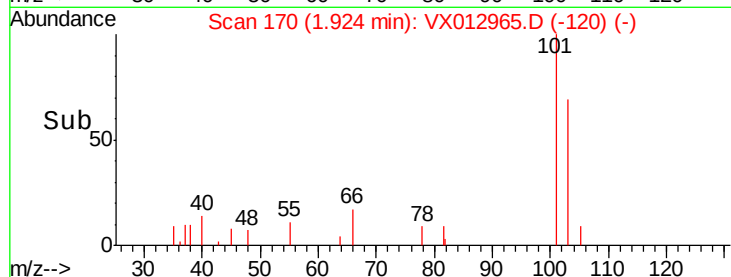
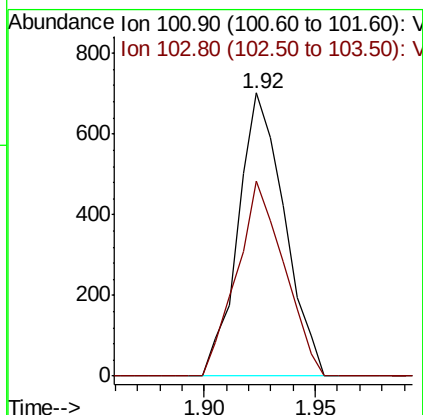
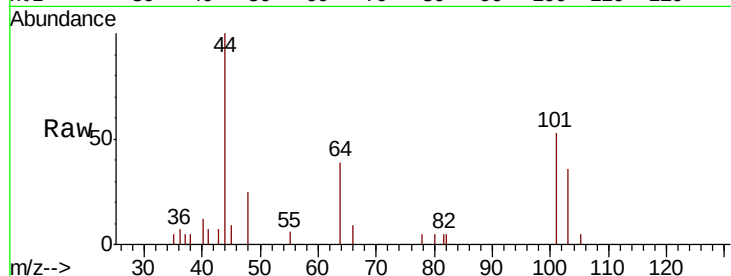


#7

Trichlorofluoromethane
Concen: 0.361 ug/l
RT: 1.92 min Scan# 170
Delta R.T. 0.01 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

Instrument :
MSVOA_X
ClientSampleId :

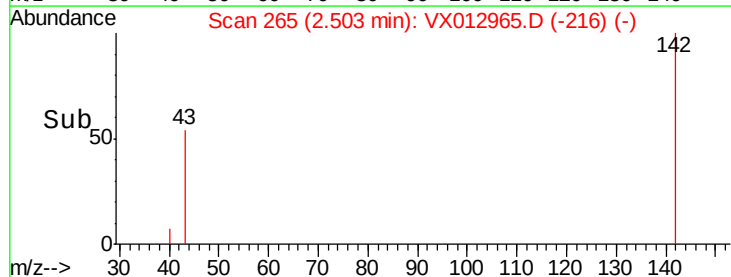
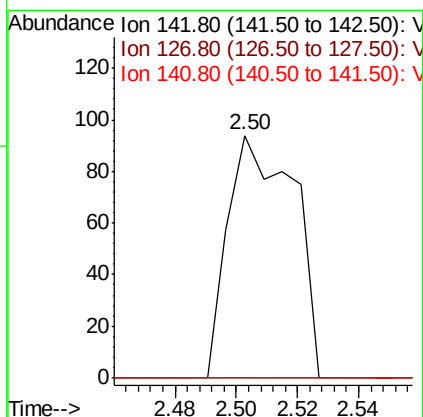
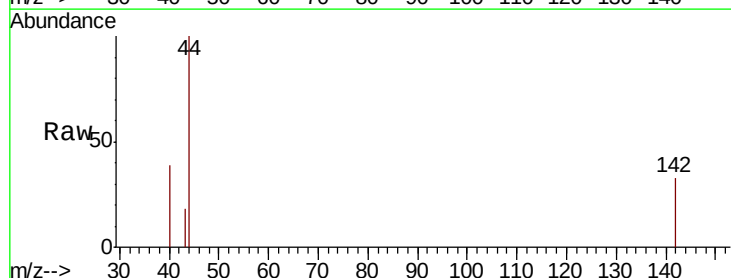
Tot Ion:101 Resp: 1018
Ion Ratio Lower Upper
101 100
103 68.8 52.5 78.7

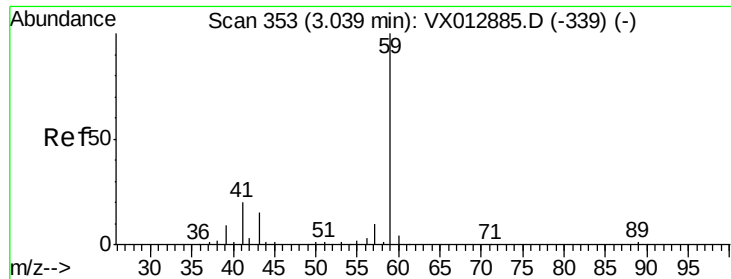


#10

Methyl Iodide
Concen: 5.142 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

Tgt Ion:142 Resp: 140
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#

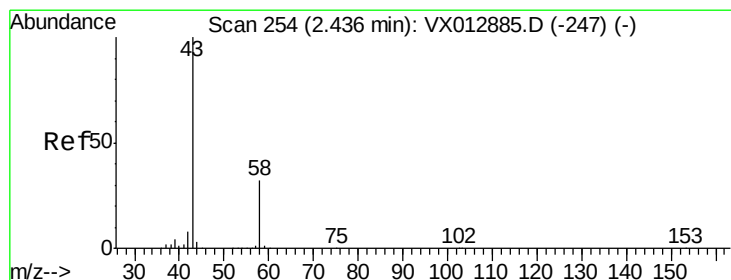
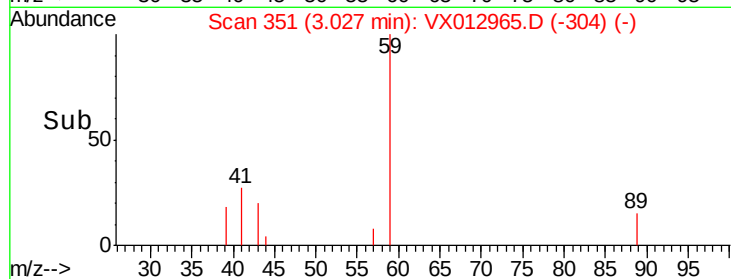
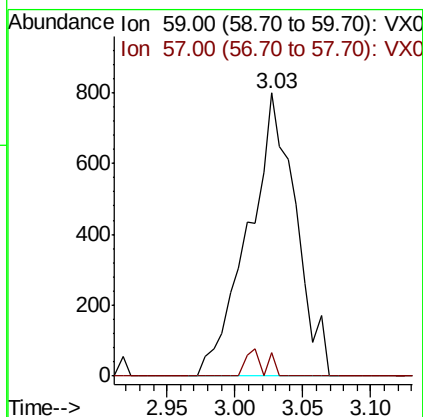
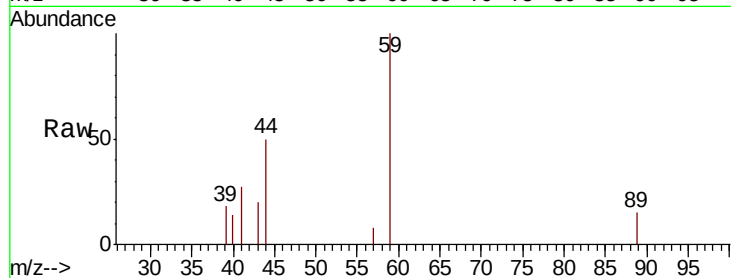




#11
Tert butyl alcohol
Concen: 3.208 ug/l
RT: 3.03 min Scan# 351
Delta R.T. -0.01 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

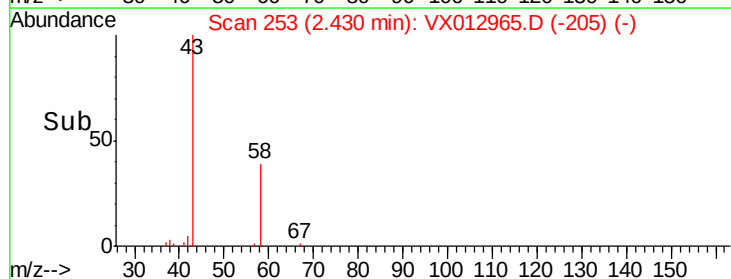
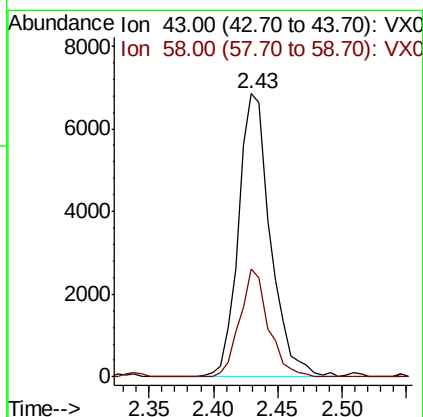
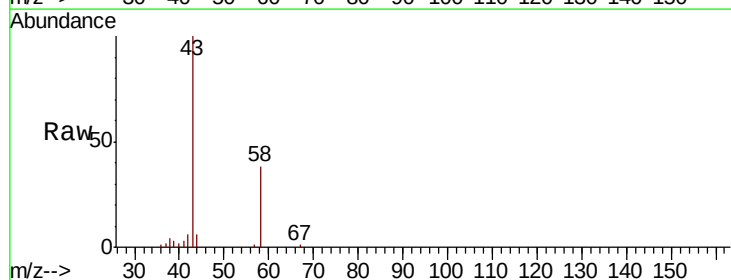
Instrument :
MSVOA_X
ClientSampleId :

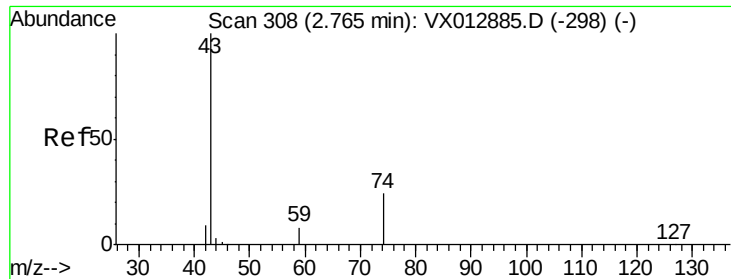
Tot Ion: 59 Resp: 1942
Ion Ratio Lower Upper
59 100
57 3.8 8.3 12.5#



#16
Acetone
Concen: 9.784 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

Tgt Ion: 43 Resp: 11775
Ion Ratio Lower Upper
43 100
58 38.1 25.4 38.2

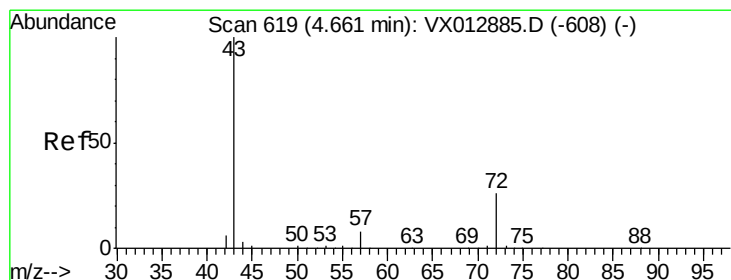
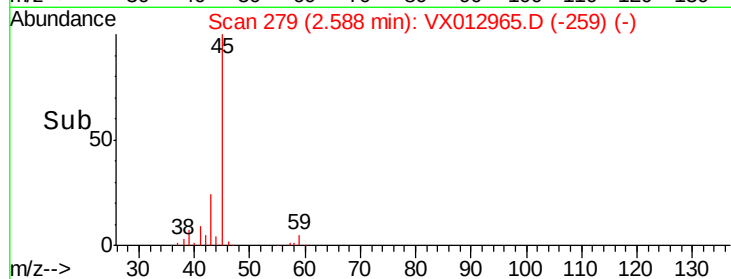
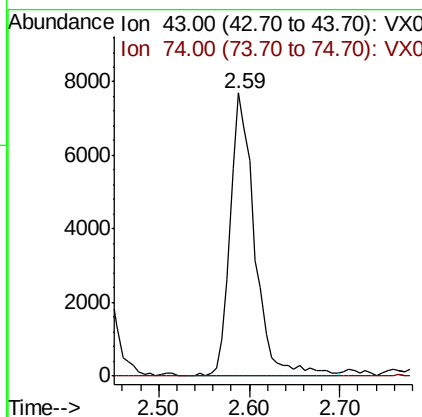
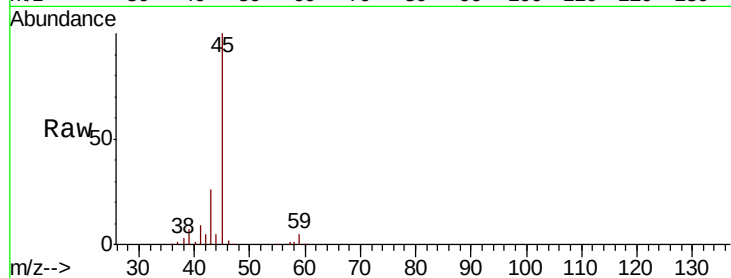




#18
Methvl Acetate
Concen: 5.082 ug/l
RT: 2.59 min Scan# 279
Delta R.T. -0.18 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

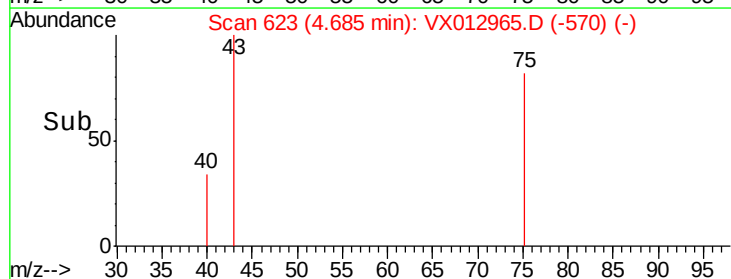
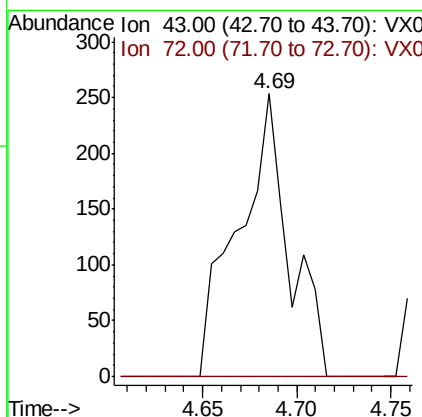
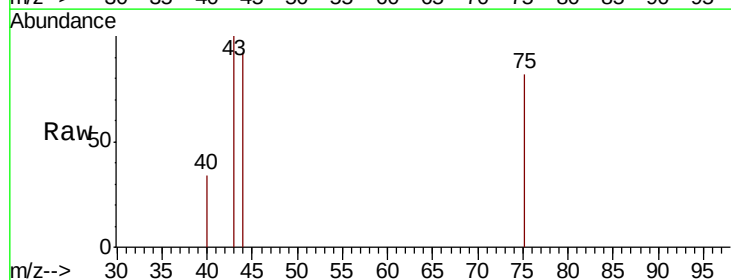
Instrument :
MSVOA_X
ClientSampleId :

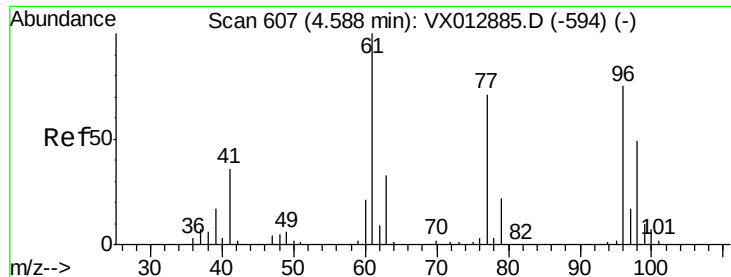
Tot Ion: 43 Resp: 14497
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#25
2-Butanone
Concen: 0.284 ug/l
RT: 4.69 min Scan# 623
Delta R.T. 0.02 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

Tgt Ion: 43 Resp: 475
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#





#27

cis-1,2-Dichloroethene

Concen: 0.616 ug/l

RT: 4.58 min Scan# 606

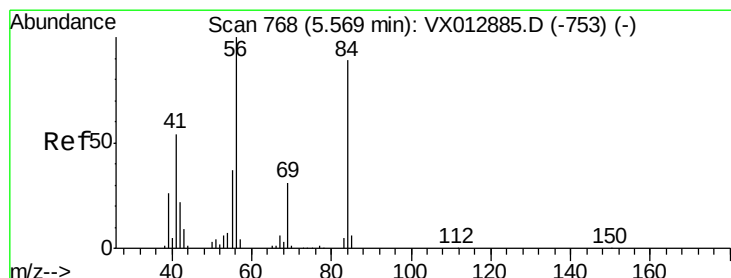
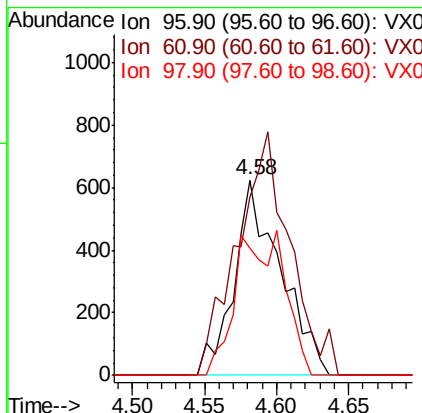
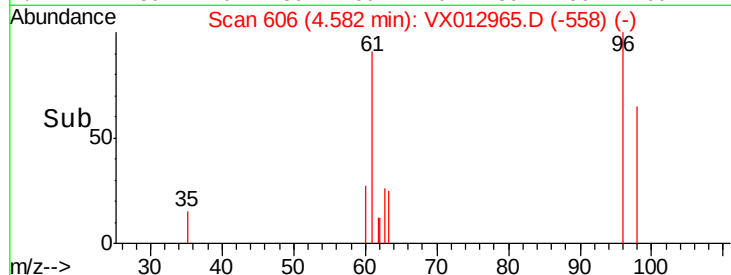
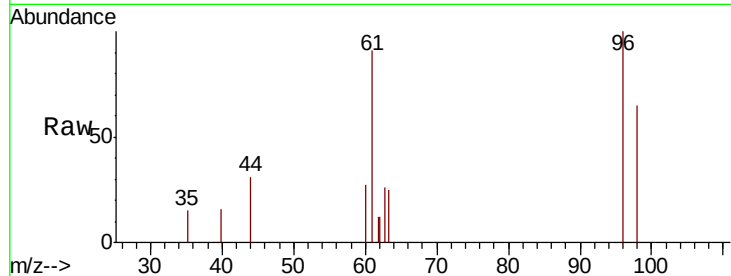
Delta R.T. -0.01 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	96	Resp:	1405
Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	290.6
98	76.8	0.0	128.8



#31

Cyclohexane

Concen: 1.236 ug/l

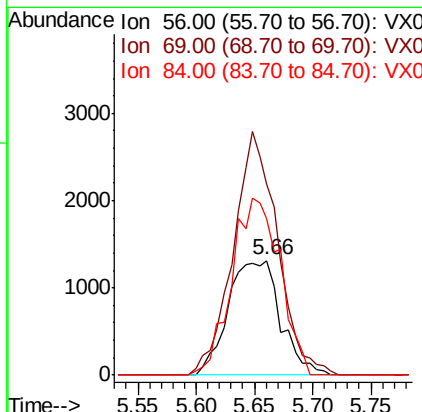
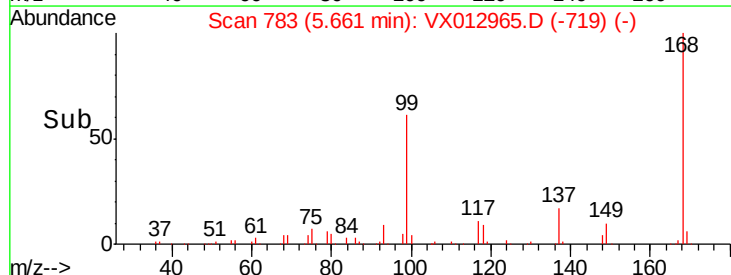
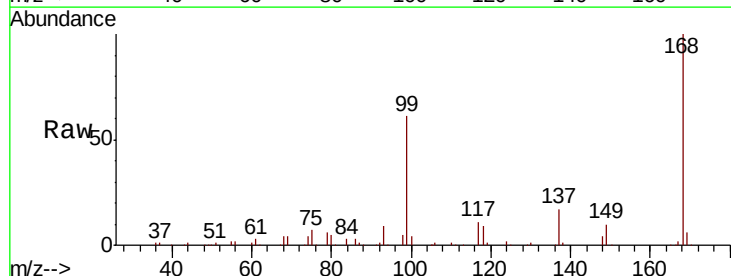
RT: 5.66 min Scan# 783

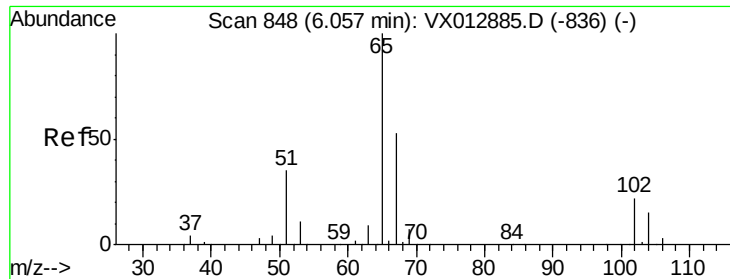
Delta R.T. 0.09 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

Tgt Ion:	56	Resp:	4097
Ion	Ratio	Lower	Upper
56	100		
69	166.9	25.2	37.8#
84	136.6	71.3	106.9#

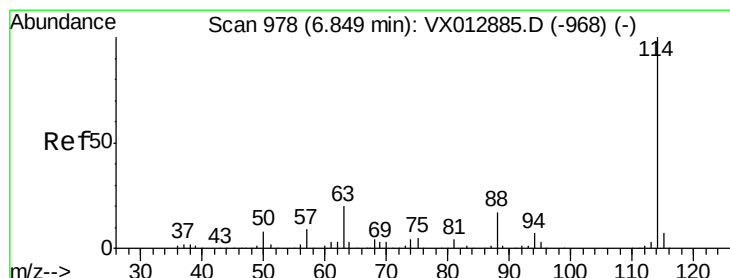
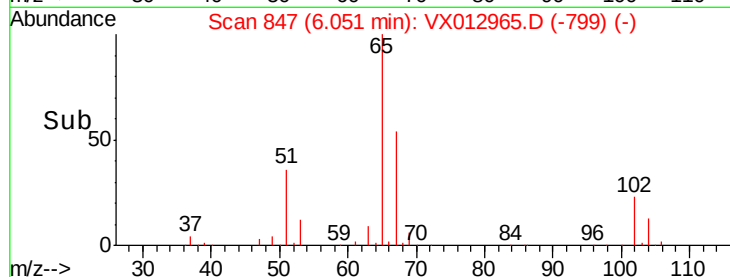
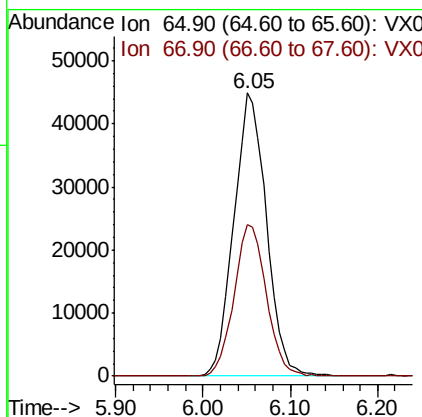
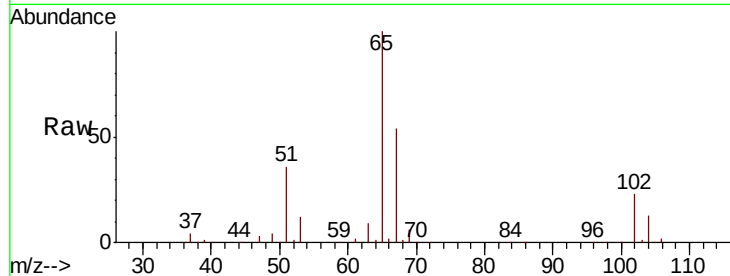




#33
 1,2-Dichloroethane-d4
 Concen: 50.825 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.01 min
 Lab File: VX012965.D
 Acq: 10 Oct 2019 01:03

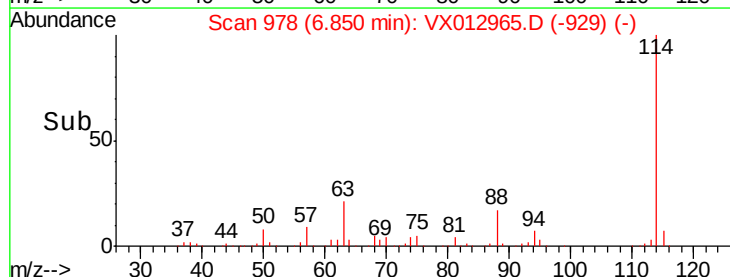
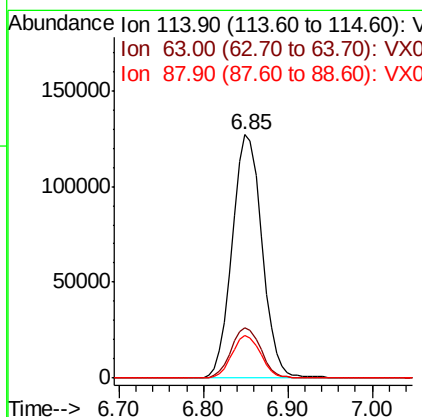
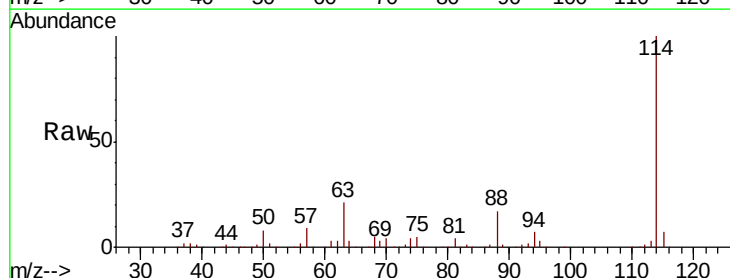
Instrument :
 MSVOA_X
 ClientSampleId :

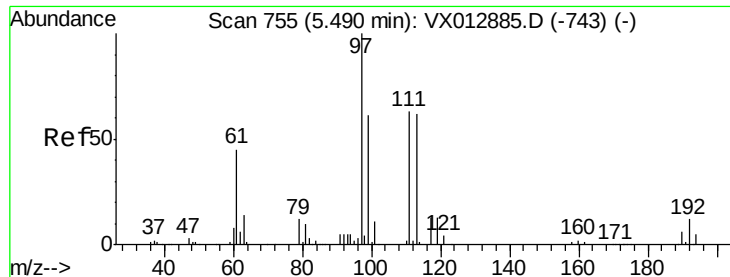
Tot Ion: 65 Resp: 116048
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012965.D
 Acq: 10 Oct 2019 01:03

Tgt Ion: 114 Resp: 304558
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 17.4 0.0 33.8

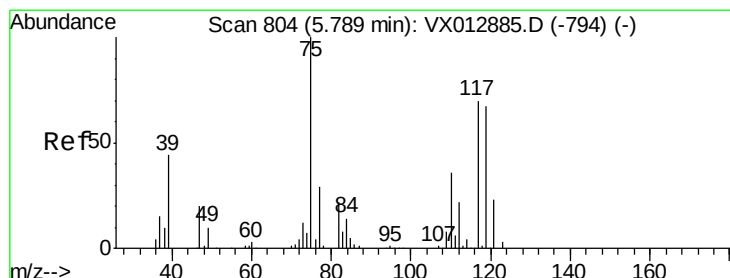
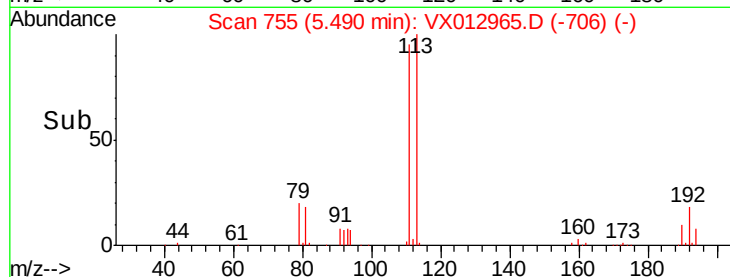
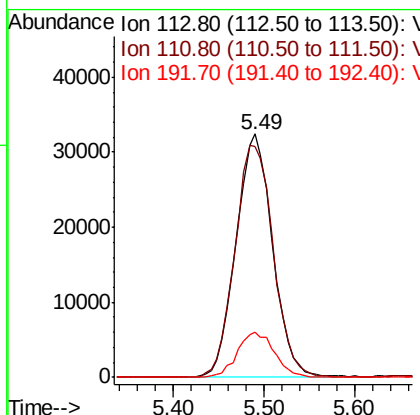
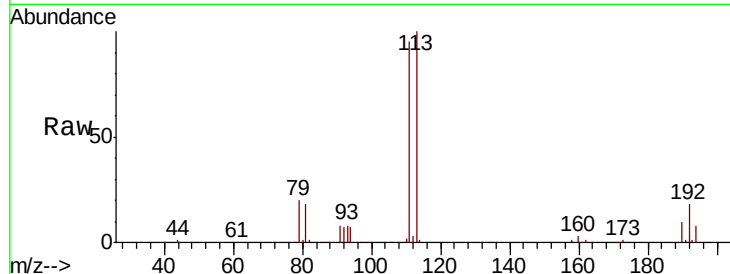




#35
 Dibromofluoromethane
 Concen: 51.852 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012965.D
 Acq: 10 Oct 2019 01:03

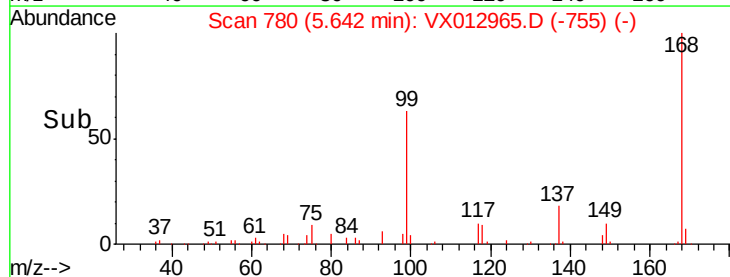
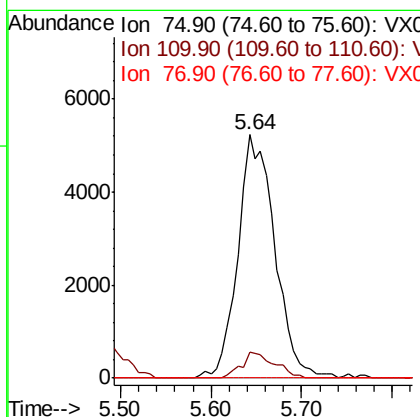
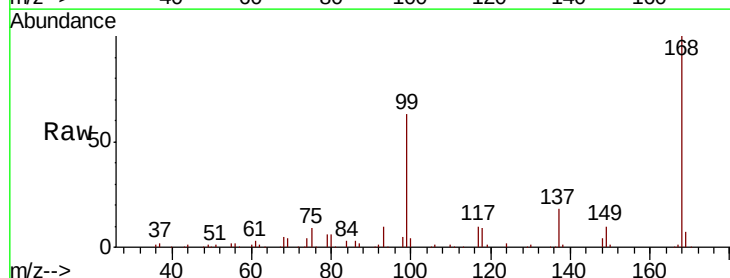
Instrument :
 MSVOA_X
 ClientSampleId :

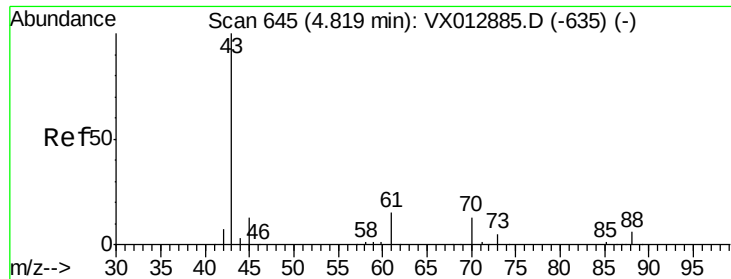
Tot Ion:113 Resp: 90638
 Ion Ratio Lower Upper
 113 100
 111 100.5 83.2 124.8
 192 18.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 5.502 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012965.D
 Acq: 10 Oct 2019 01:03

Tgt Ion: 75 Resp: 14734
 Ion Ratio Lower Upper
 75 100
 110 9.4 17.6 52.9#
 77 0.0 24.4 36.6#

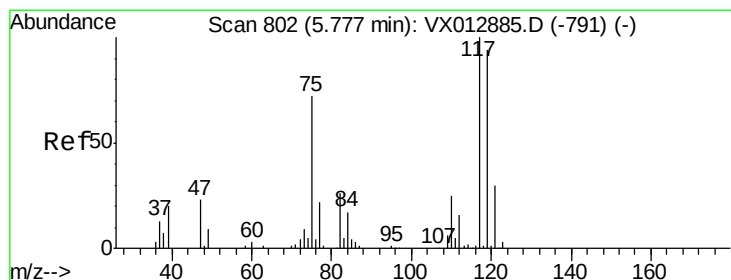
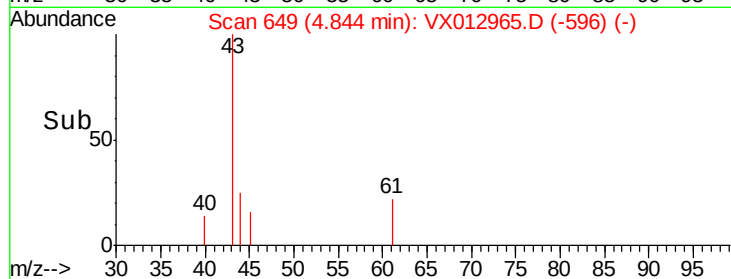
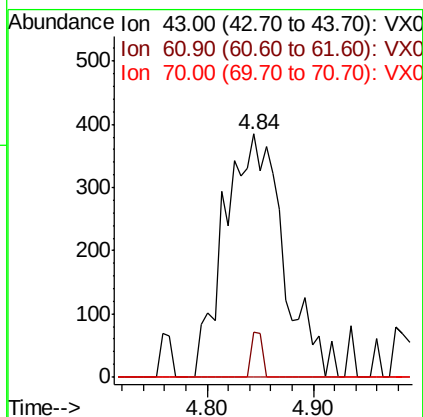
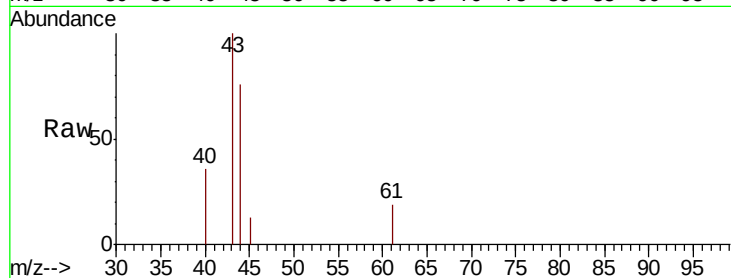




#37
Ethyl Acetate
Concen: 0.496 ug/l
RT: 4.84 min Scan# 649
Delta R.T. 0.02 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

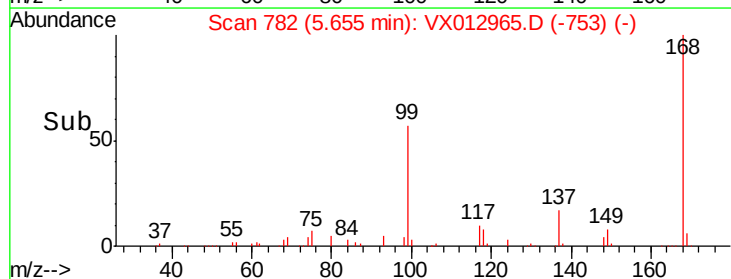
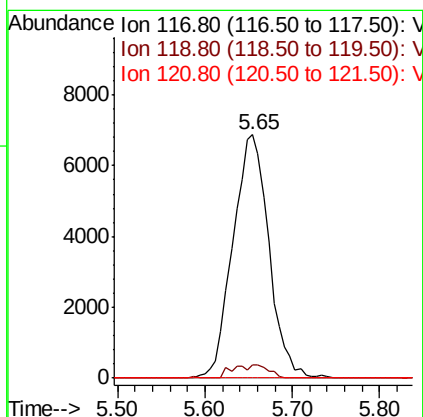
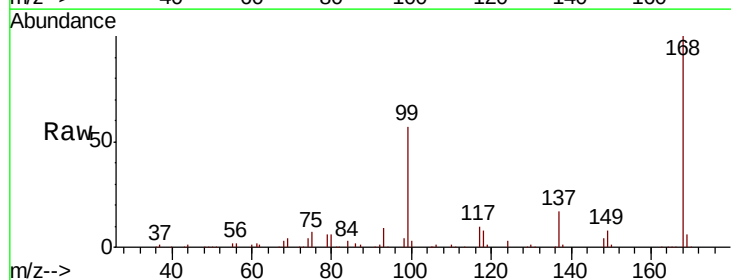
Instrument :
MSVOA_X
ClientSampled :

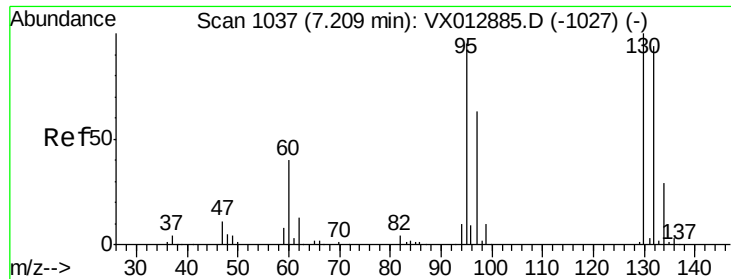
Tot Ion: 43 Resp: 1486
Ion Ratio Lower Upper
43 100
61 0.0 11.4 17.0#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 7.527 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX012965.D
Acq: 10 Oct 2019 01:03

Tgt Ion: 117 Resp: 19618
Ion Ratio Lower Upper
117 100
119 5.4 74.5 111.7#
121 0.0 24.2 36.4#

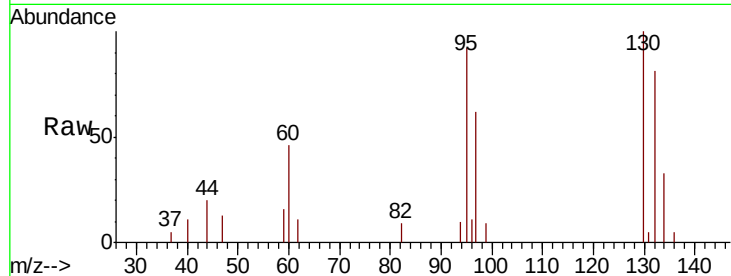




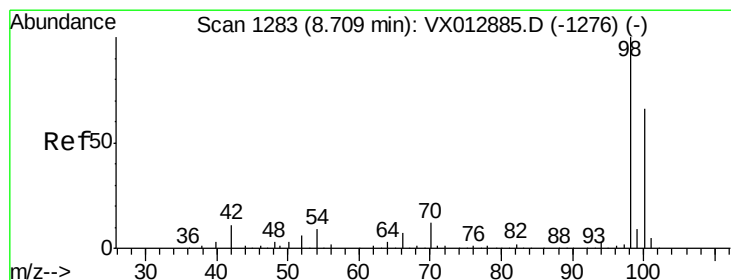
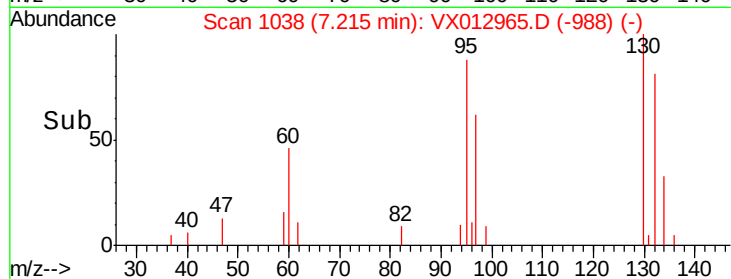
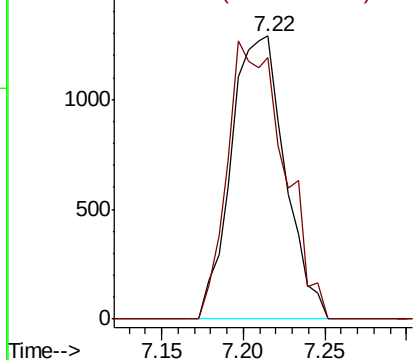
#44
 Trichloroethene
 Concen: 1.349 ug/l
 RT: 7.22 min Scan# 1038
 Delta R.T. 0.01 min
 Lab File: VX012965.D
 Acq: 10 Oct 2019 01:03

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 2958
 Ion Ratio Lower Upper
 130 100
 95 92.3 0.0 189.2

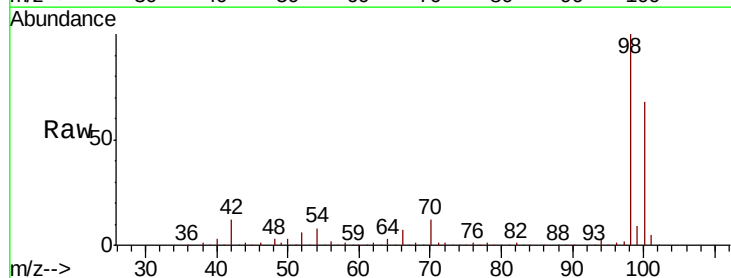


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

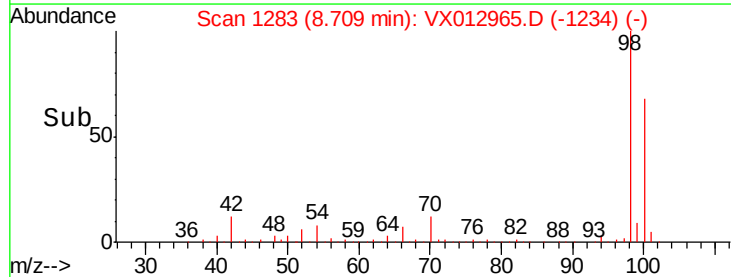
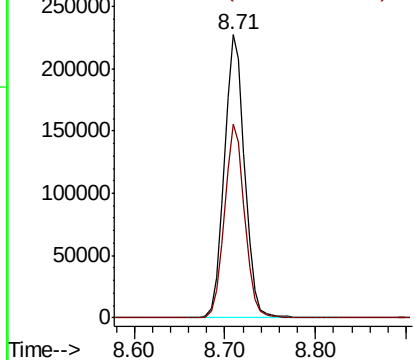


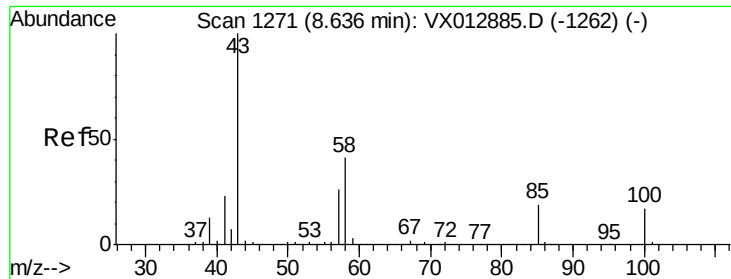
#50
 Toluene-d8
 Concen: 52.585 ug/l
 RT: 8.71 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VX012965.D
 Acq: 10 Oct 2019 01:03

Tgt Ion: 98 Resp: 358505
 Ion Ratio Lower Upper
 98 100
 100 67.6 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.582 ug/l

RT: 8.72 min Scan# 1284

Delta R.T. 0.08 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

Instrument :

MSVOA_X

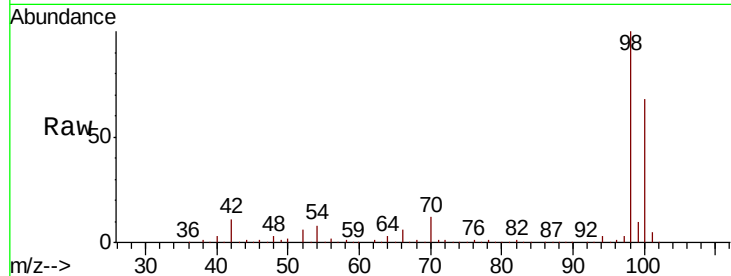
ClientSampled :

Tot Ion: 43 Resp: 1744

Ion Ratio Lower Upper

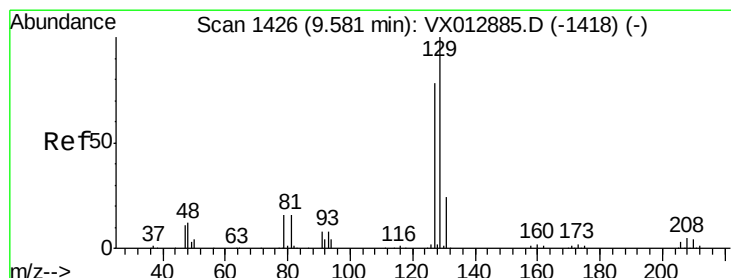
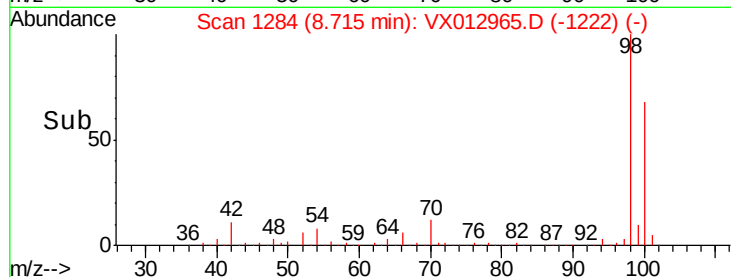
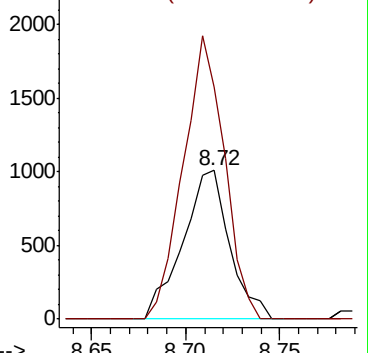
43 100

58 166.4 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX012885.D (-1262) (-)

Ion 58.00 (57.70 to 58.70): VX012885.D (-1262) (-)



#60

Dibromochloromethane

Concen: 4.596 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.25 min

Lab File: VX012965.D

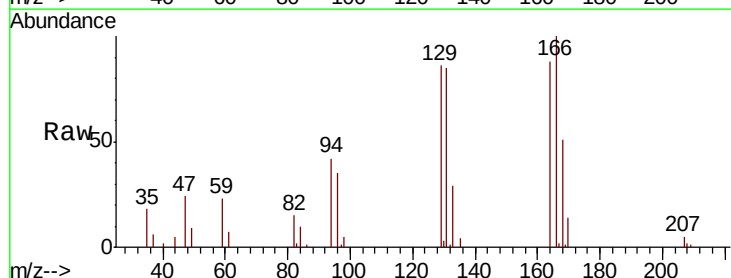
Acq: 10 Oct 2019 01:03

Tgt Ion: 129 Resp: 6338

Ion Ratio Lower Upper

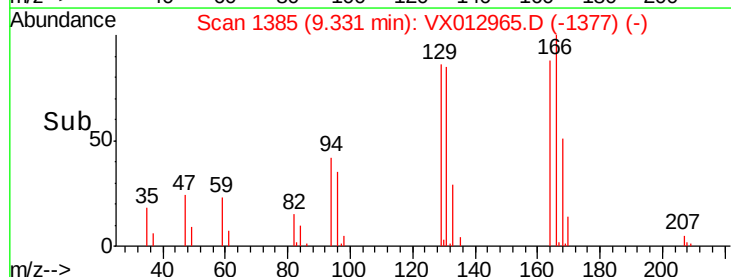
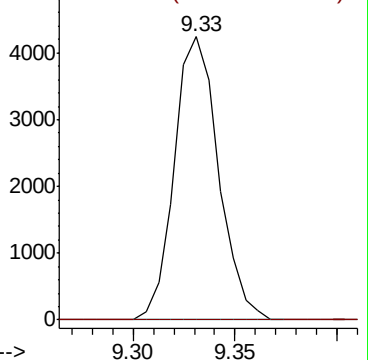
129 100

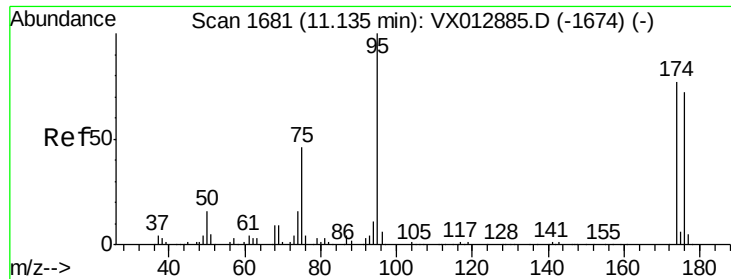
127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX012885.D (-1418) (-)





#62

4-Bromofluorobenzene

Concen: 45.880 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

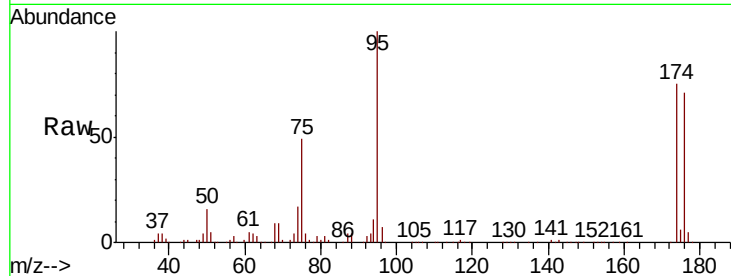
Tot Ion: 95 Resp: 121538

Ion Ratio Lower Upper

95 100

174 72.2 0.0 143.4

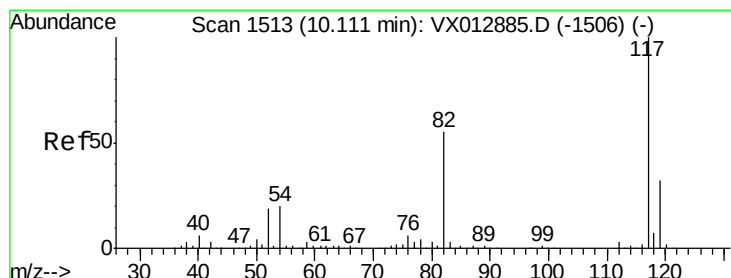
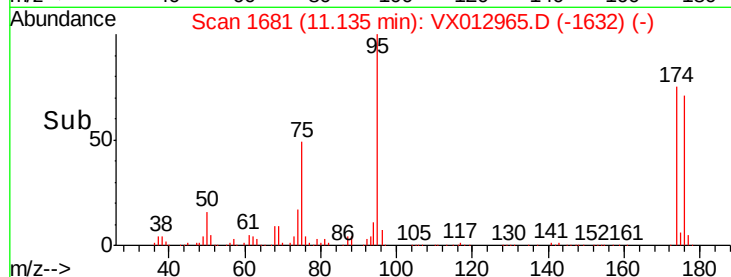
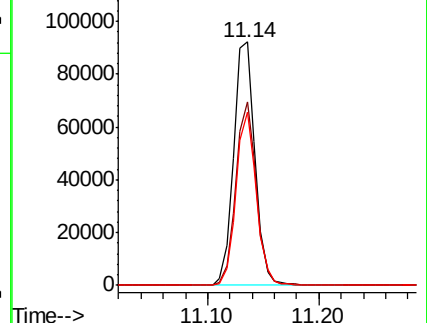
176 67.8 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX012885.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX012885.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX012885.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

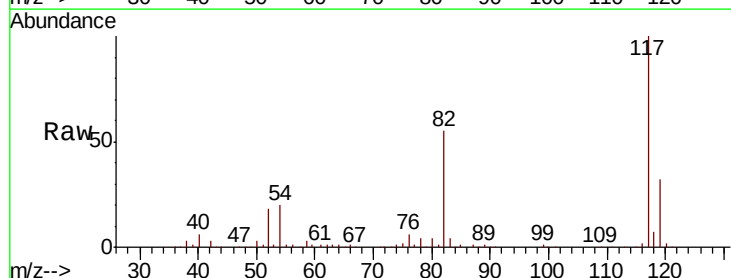
Tgt Ion: 117 Resp: 258042

Ion Ratio Lower Upper

117 100

82 55.3 44.1 66.1

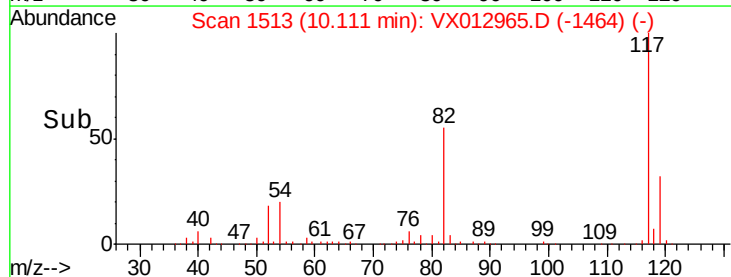
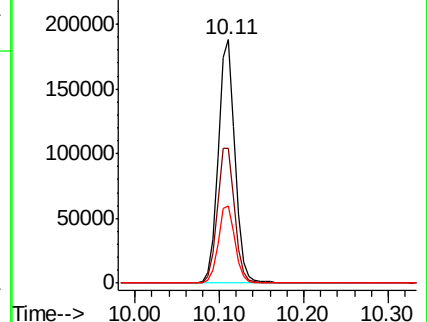
119 31.9 25.8 38.8

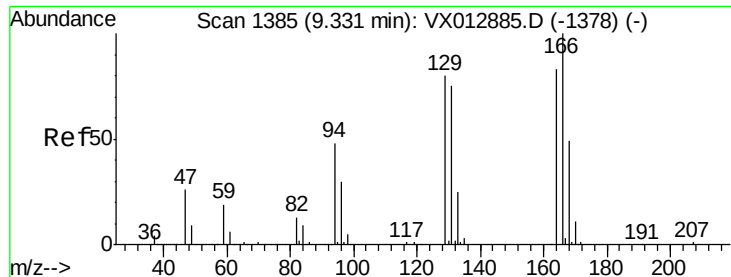


Abundance Ion 116.90 (116.60 to 117.60): VX012885.D (-1506) (-)

Ion 82.00 (81.70 to 82.70): VX012885.D (-1506) (-)

Ion 118.90 (118.60 to 119.60): VX012885.D (-1506) (-)





#64

Tetrachloroethene

Concen: 3.652 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion:164 Resp: 6536

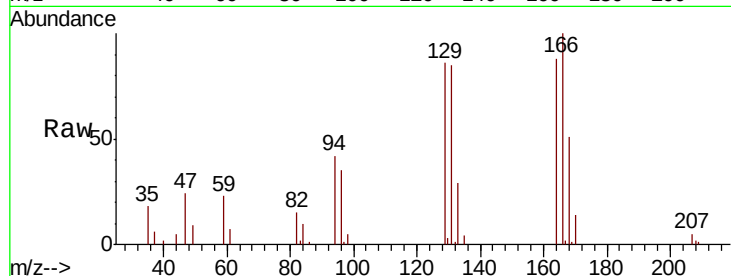
Ion Ratio Lower Upper

164 100

166 114.3 96.9 145.3

129 98.4 77.9 116.9

131 97.1 72.7 109.1

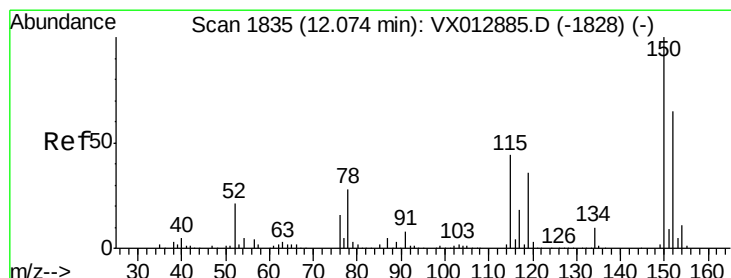
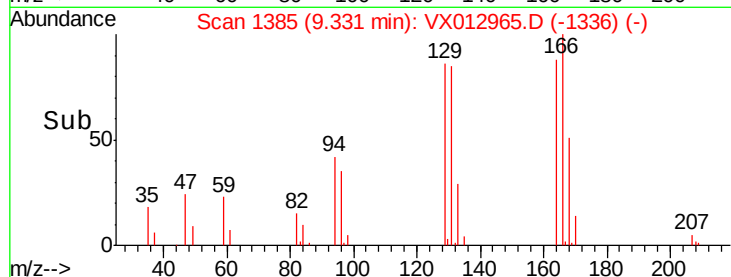
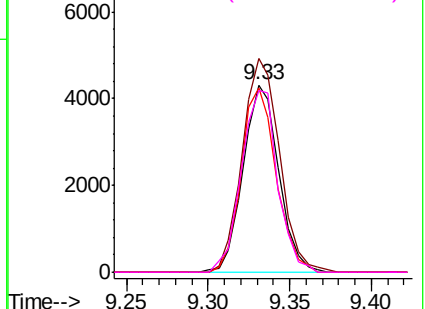


Abundance Ion 163.80 (163.50 to 164.50): V

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: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

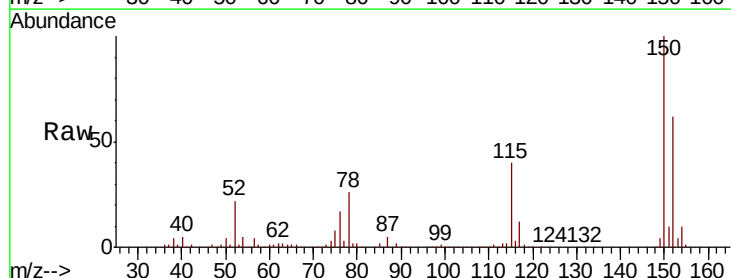
Tgt Ion:152 Resp: 100911

Ion Ratio Lower Upper

152 100

115 63.7 44.5 133.5

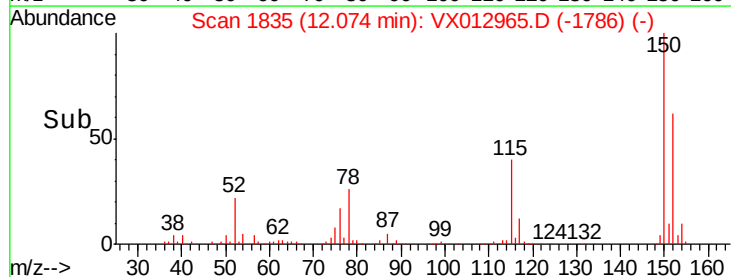
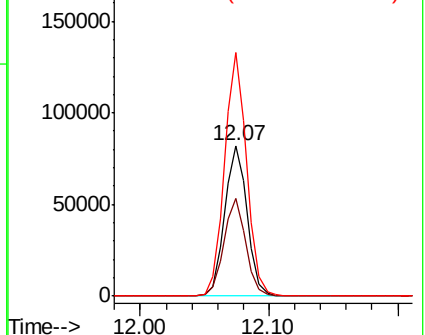
150 158.8 0.0 353.4

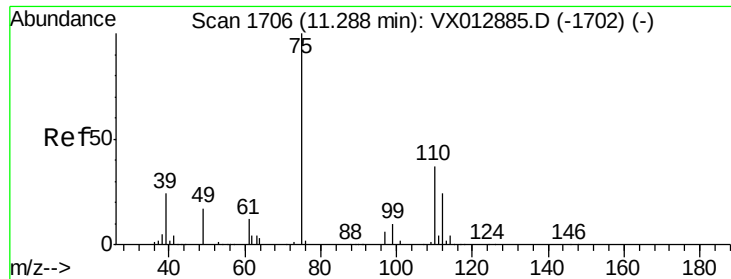


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.933 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

Instrument :

MSVOA_X

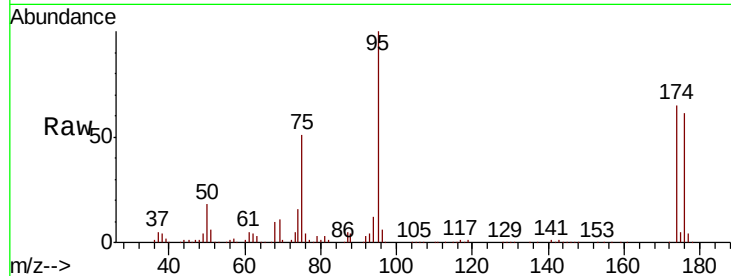
ClientSampleId :

Tot Ion: 75 Resp: 60281

Ion Ratio Lower Upper

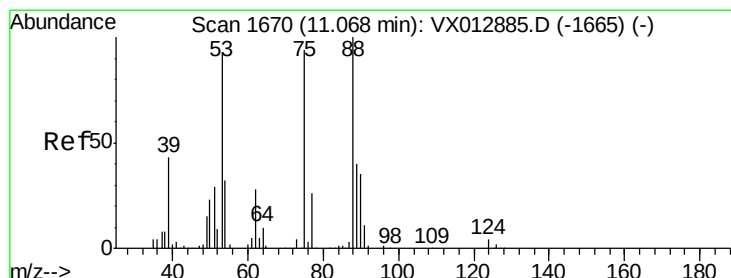
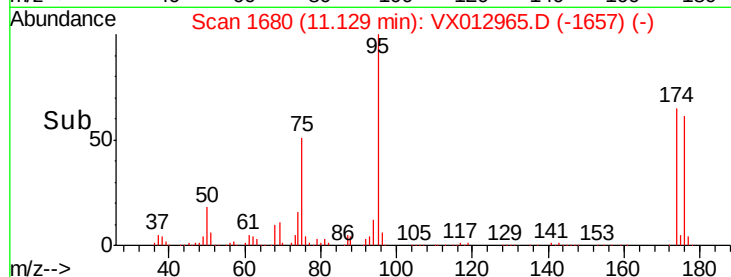
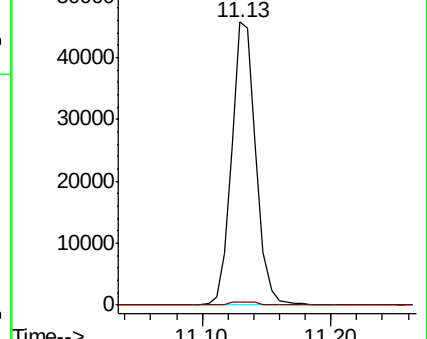
75 100

77 1.3 22.9 68.8#



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: 67.684 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012965.D

Acq: 10 Oct 2019 01:03

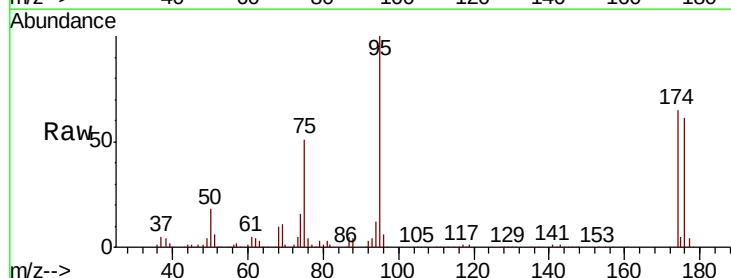
Tgt Ion: 75 Resp: 60281

Ion Ratio Lower Upper

75 100

53 0.2 78.5 117.7#

89 0.0 37.4 56.2#



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

