

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050919\
 Data File : VX009441.D
 Acq On : 09 May 2019 20:28
 Operator : JC/SP
 Sample : K2786-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 10 07:09:49 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	5.67	168	190416	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306766	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	268090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114393	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	124373	47.85	ug/l	0.00
Spiked Amount			Recovery	=	95.70%	
35) Dibromofluoromethane	5.50	113	93571	48.52	ug/l	0.00
Spiked Amount			Recovery	=	97.04%	
50) Toluene-d8	8.71	98	378609	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
62) 4-Bromofluorobenzene	11.13	95	125770	44.46	ug/l	0.00
Spiked Amount			Recovery	=	88.92%	

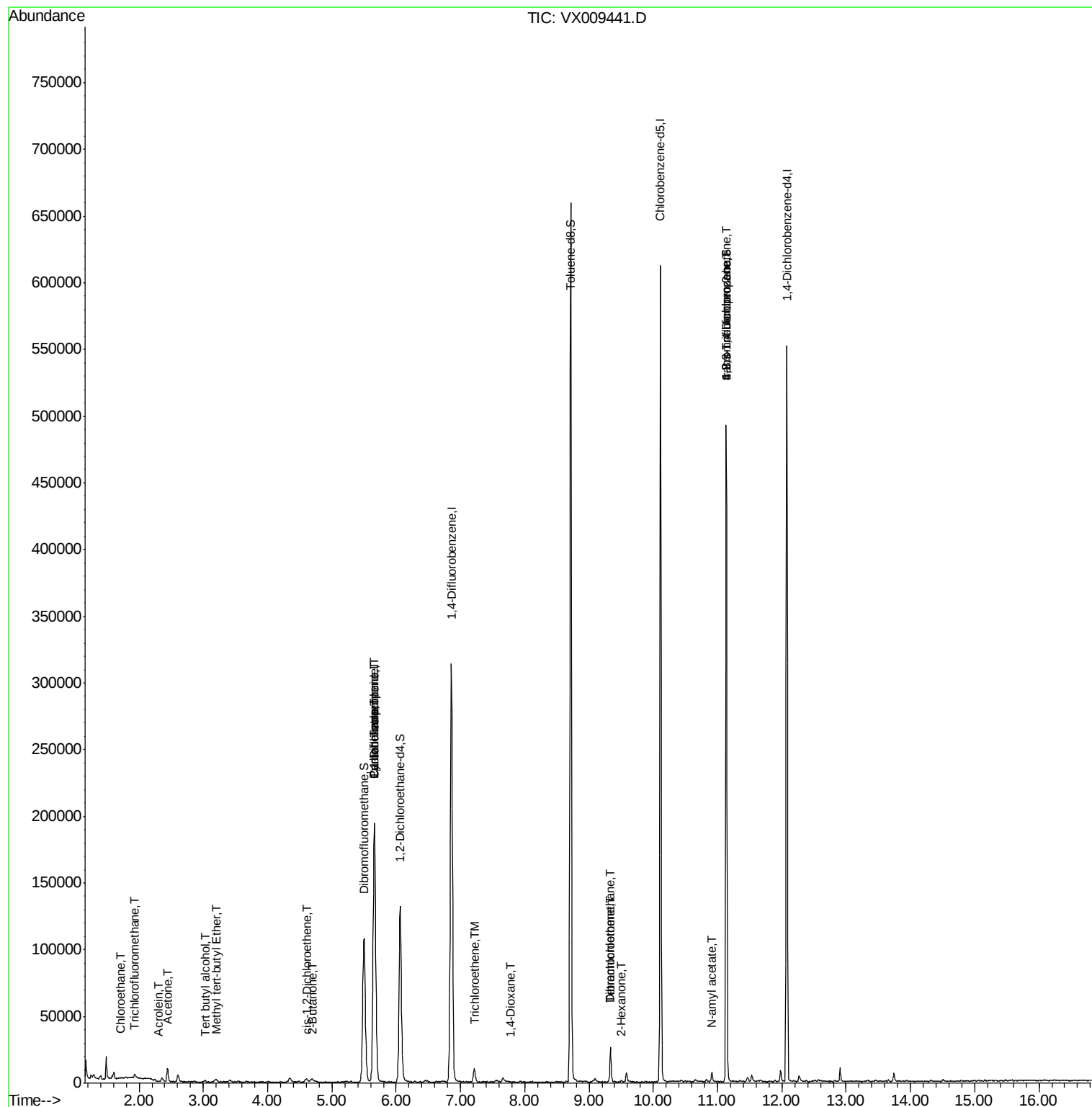
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	989	0.659	ug/l #	43
7) Trichlorofluoromethane	1.93	101	1801	0.634	ug/l	99
11) Tert butyl alcohol	3.03	59	733	1.218	ug/l #	73
13) Acrolein	2.29	56	218	0.400	ug/l #	63
16) Acetone	2.44	43	10047	7.198	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	1841	0.265	ug/l #	88
25) 2-Butanone	4.69	43	2659	1.226	ug/l #	90
27) cis-1,2-Dichloroethene	4.60	96	1179	0.510	ug/l	91
28) Bromochloromethane	5.01	49	63	Below Cal	#	20
31) Cyclohexane	5.67	56	3905	1.016	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	14625	5.130	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17389	6.714	ug/l #	16
44) Trichloroethene	7.21	130	3817	1.790	ug/l	99
49) 1,4-Dioxane	7.77	88	19	0.297	ug/l #	1
59) 2-Hexanone	9.51	43	876	0.269	ug/l	96
60) Dibromochloromethane	9.34	129	4544	2.126	ug/l #	11
64) Tetrachloroethene	9.34	164	4748	2.582	ug/l	92
74) N-amyl acetate	10.91	43	983	0.203	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63337	23.869	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	63337	61.073	ug/l #	10

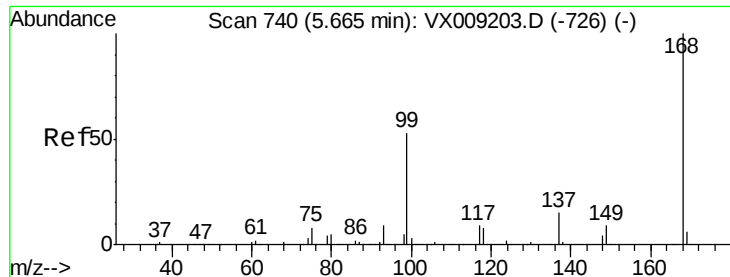
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX009441.D

Acq: 09 May 2019 20:28

Instrument :

MSVOA_X

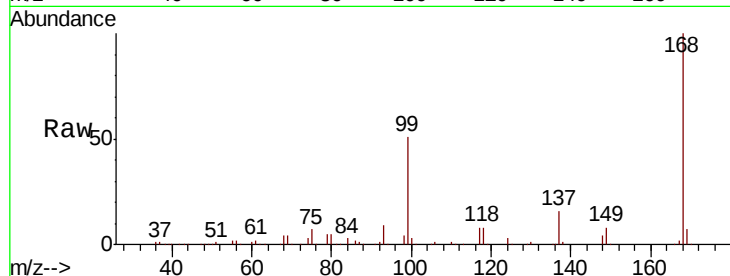
ClientSampleId :

Tot Ion:168 Resp: 190416

Ion Ratio Lower Upper

168 100

99 50.9 42.3 63.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

80000

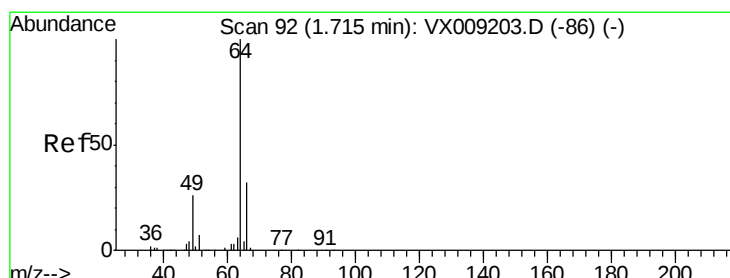
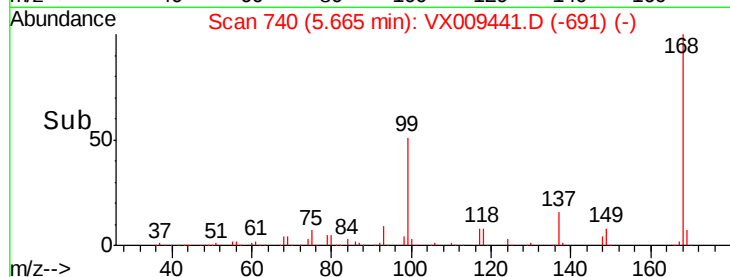
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.659 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX009441.D

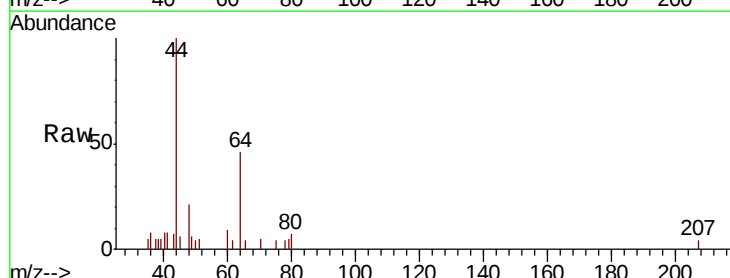
Acq: 09 May 2019 20:28

Tgt Ion: 64 Resp: 989

Ion Ratio Lower Upper

64 100

66 0.0 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

800

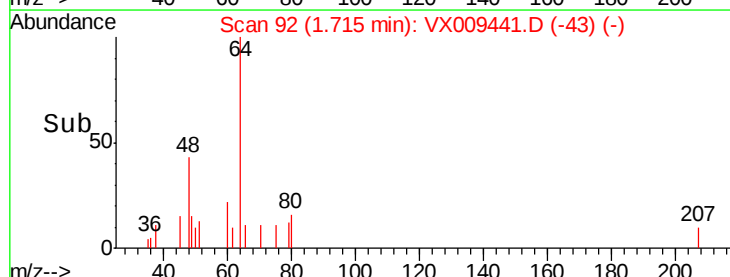
600

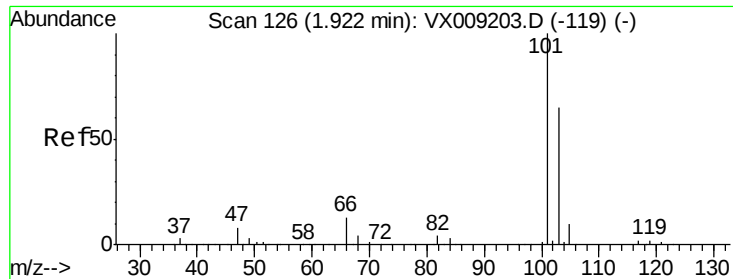
400

200

0

Time--> 1.65 1.70 1.75



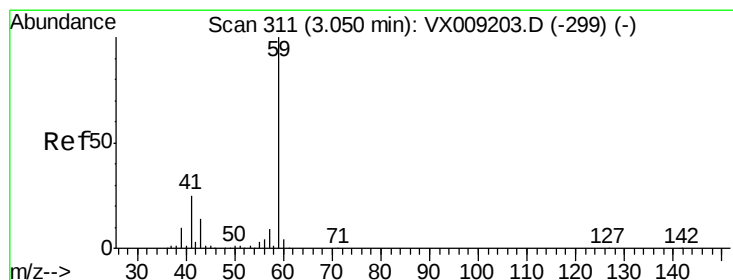
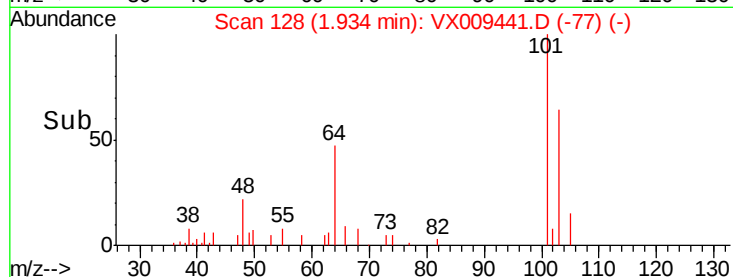
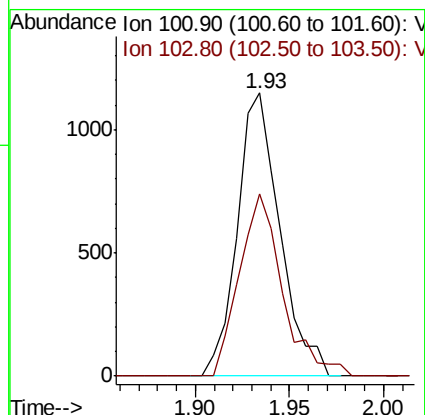
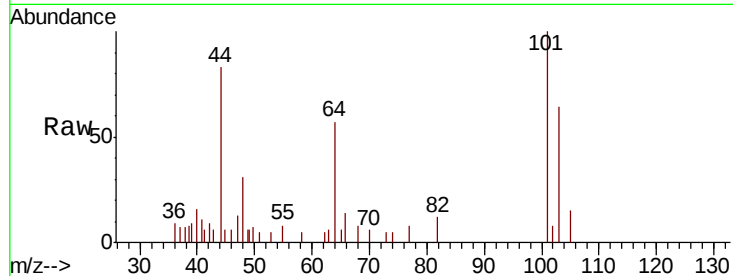


#7

Trichlorofluoromethane
 Concen: 0.634 ug/l
 RT: 1.93 min Scan# 128
 Delta R.T. 0.01 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampled :

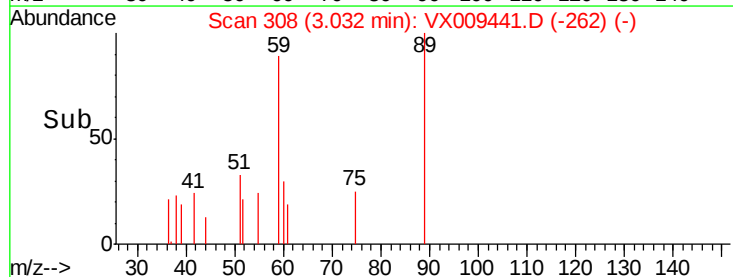
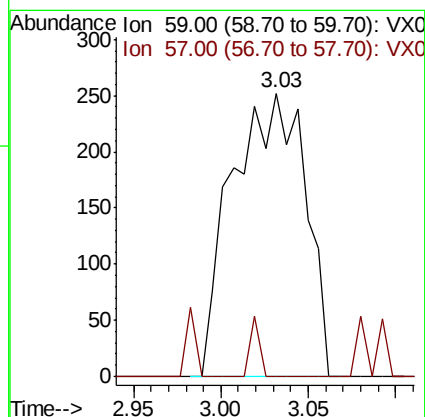
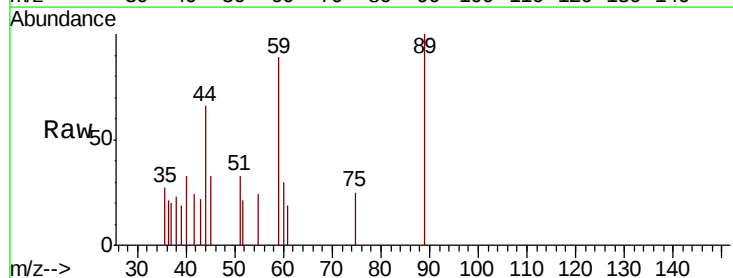
Tot Ion:101 Resp: 1801
 Ion Ratio Lower Upper
 101 100
 103 64.3 52.4 78.6

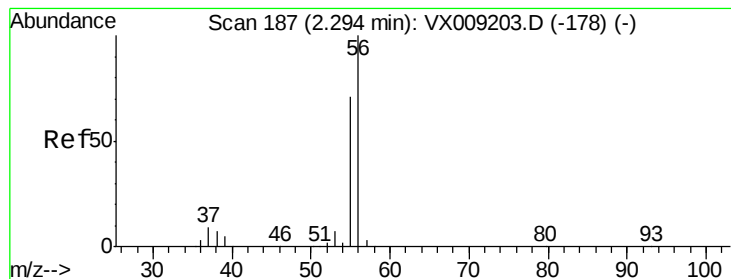


#11

Tert butyl alcohol
 Concen: 1.218 ug/l
 RT: 3.03 min Scan# 308
 Delta R.T. -0.02 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Tgt Ion: 59 Resp: 733
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#





#13

Acrolein

Concen: 0.400 ug/l

RT: 2.29 min Scan# 186

Delta R.T. -0.01 min

Lab File: VX009441.D

Acq: 09 May 2019 20:28

Instrument :

MSVOA_X

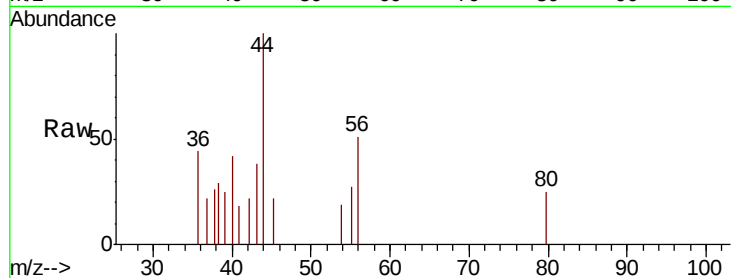
ClientSampled :

Tot Ion: 56 Resp: 218

Ion Ratio Lower Upper

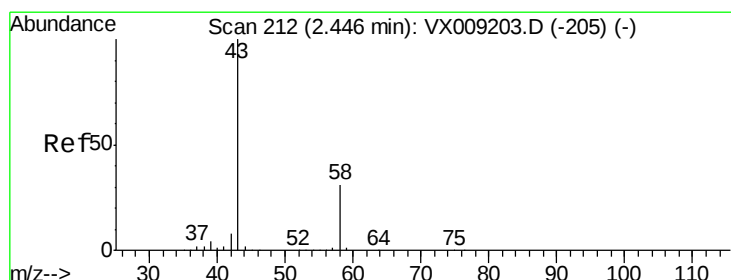
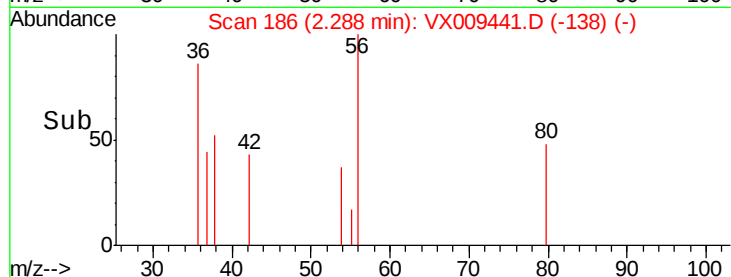
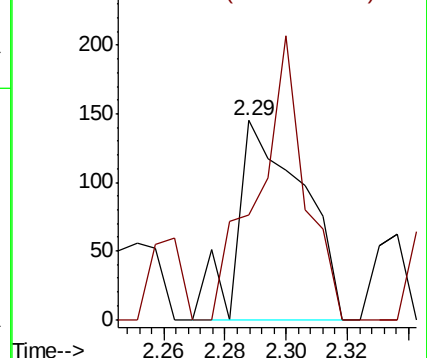
56 100

55 101.4 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 7.198 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX009441.D

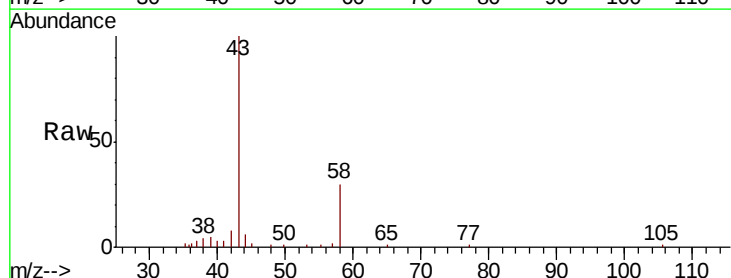
Acq: 09 May 2019 20:28

Tgt Ion: 43 Resp: 10047

Ion Ratio Lower Upper

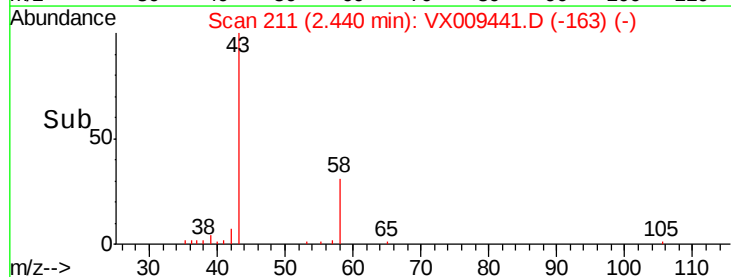
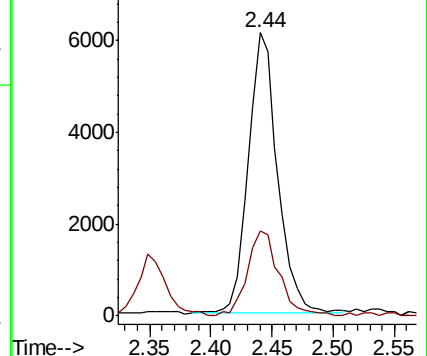
43 100

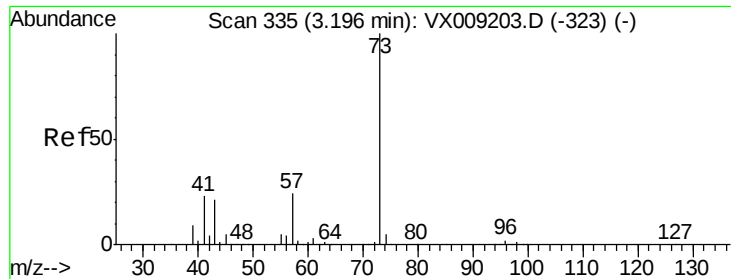
58 30.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



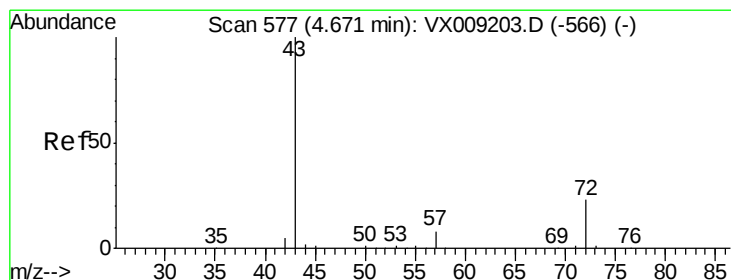
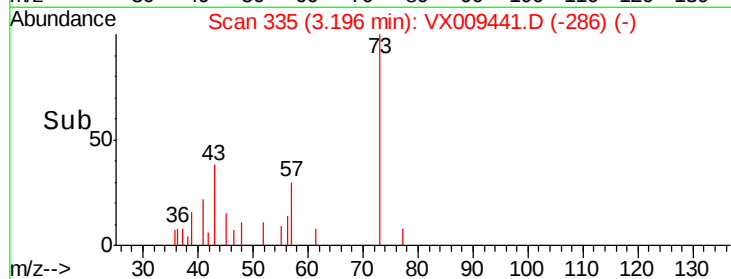
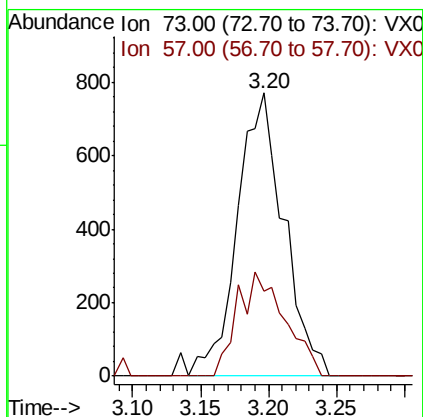
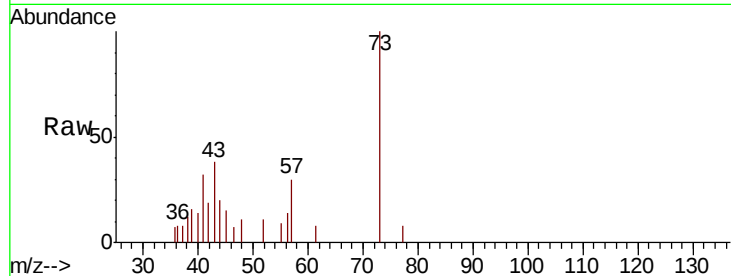


#19

Methyl tert-butyl Ether
 Concen: 0.265 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. 0.00 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampled :

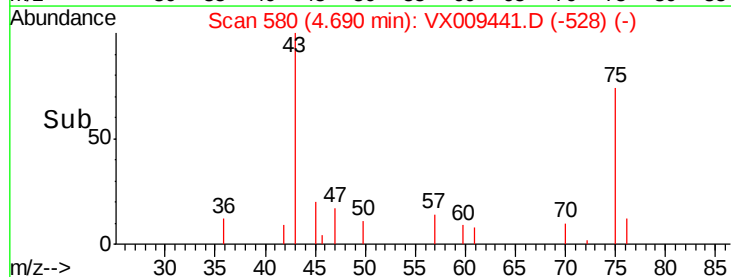
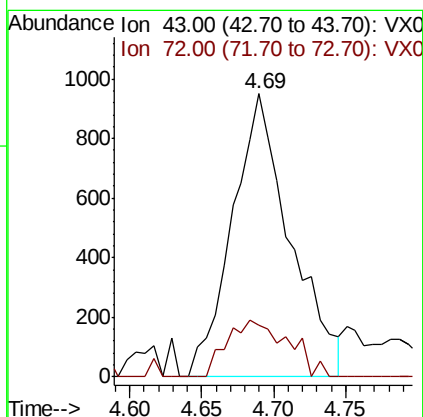
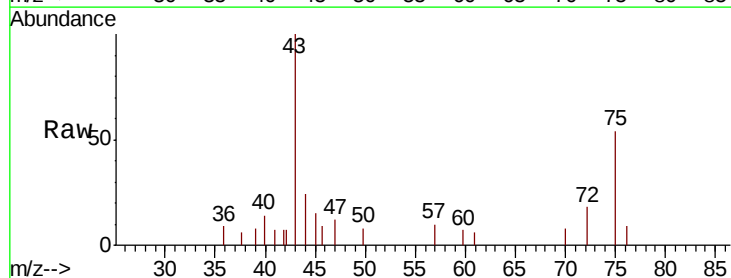
Tot Ion: 73 Resp: 1841
 Ion Ratio Lower Upper
 73 100
 57 30.1 19.3 28.9#

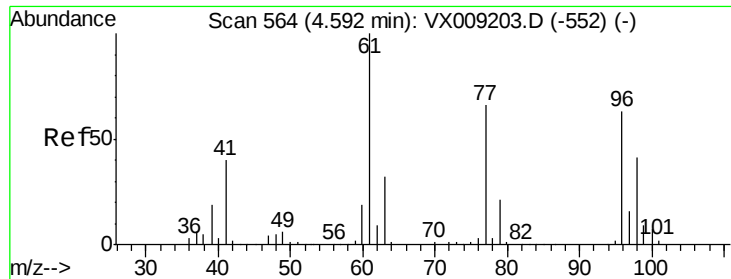


#25

2-Butanone
 Concen: 1.226 ug/l
 RT: 4.69 min Scan# 580
 Delta R.T. 0.02 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Tgt Ion: 43 Resp: 2659
 Ion Ratio Lower Upper
 43 100
 72 18.1 18.2 27.2#





#27

cis-1,2-Dichloroethene

Concen: 0.510 ug/l

RT: 4.60 min Scan# 566

Delta R.T. 0.01 min

Lab File: VX009441.D

Acq: 09 May 2019 20:28

Instrument :
MSVOA_X
ClientSampled :

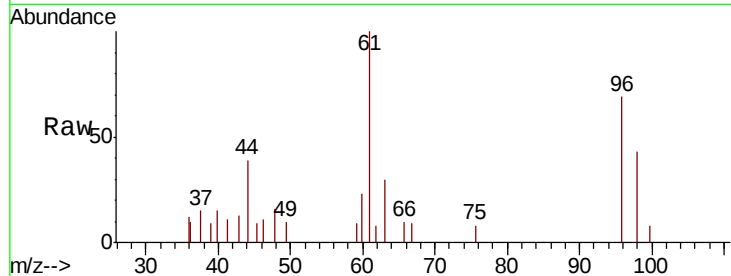
Tot Ion: 96 Resp: 1179

Ion Ratio Lower Upper

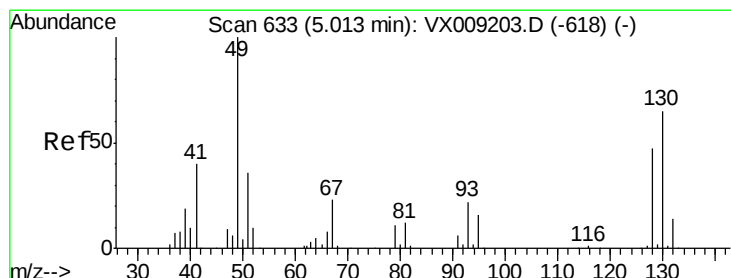
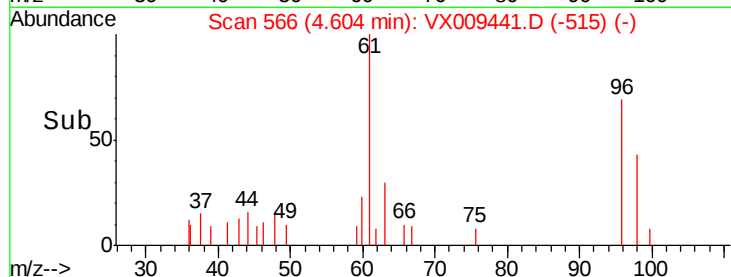
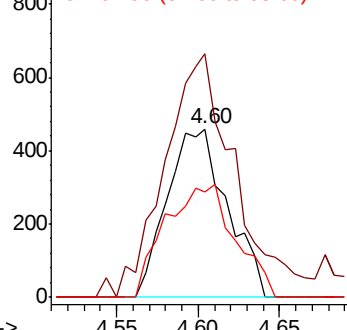
96 100

61 170.7 0.0 324.0

98 77.6 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: 5.01 min Scan# 633

Delta R.T. 0.00 min

Lab File: VX009441.D

Acq: 09 May 2019 20:28

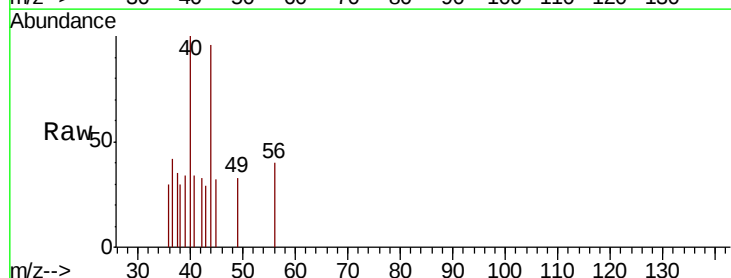
Tgt Ion: 49 Resp: 63

Ion Ratio Lower Upper

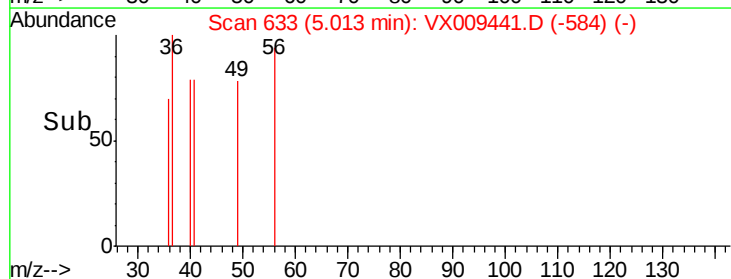
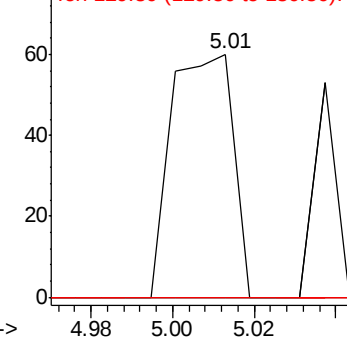
49 100

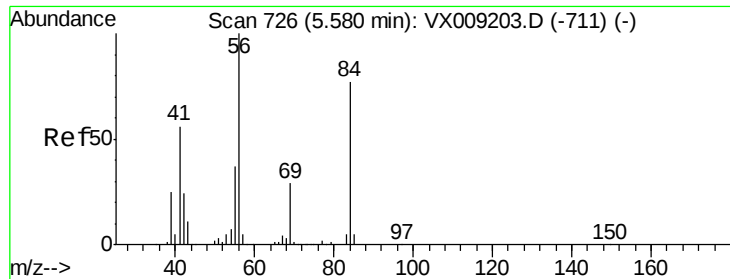
129 0.0 0.0 3.8

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

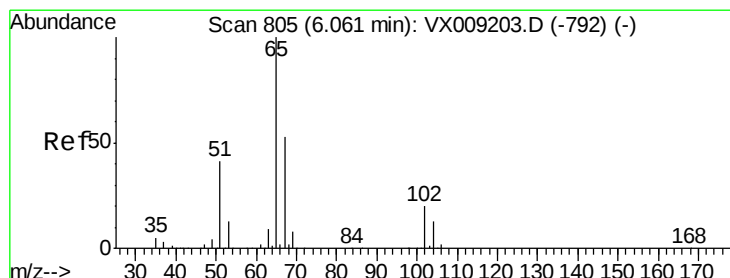
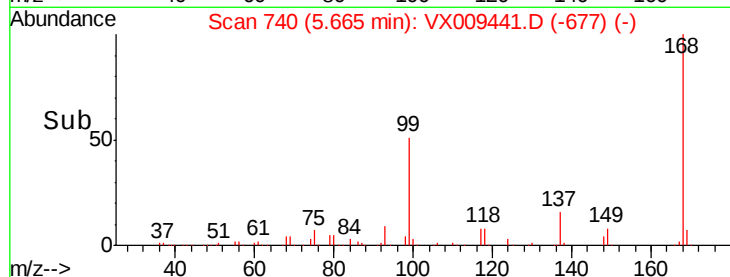
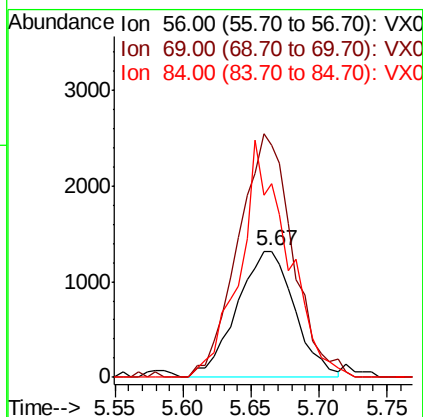
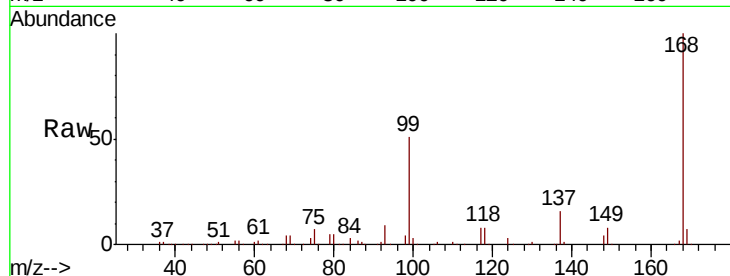




#31
Cyclohexane
Concen: 1.016 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX009441.D
Acq: 09 May 2019 20:28

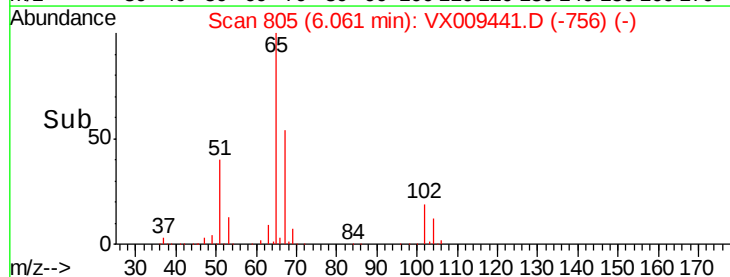
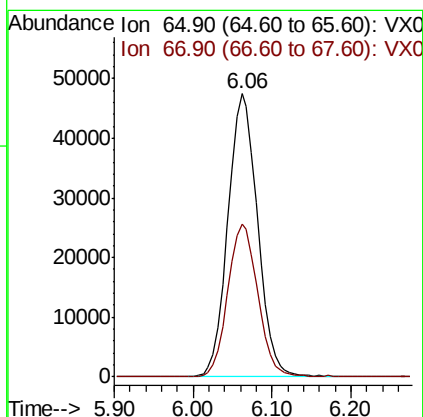
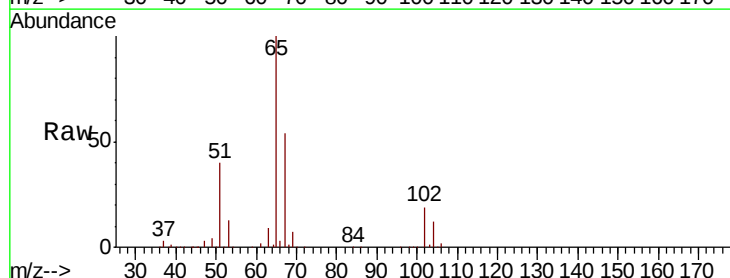
Instrument :
MSVOA_X
ClientSampleId :

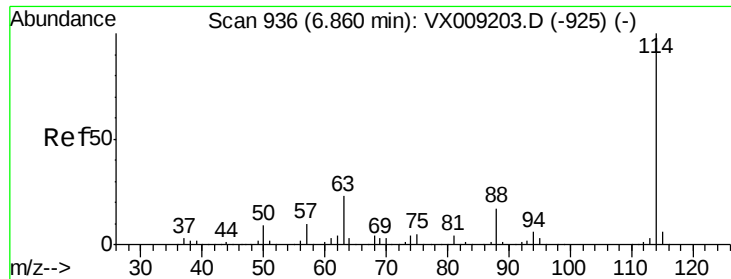
Tot Ion	Ratio	Lower	Upper
56	100		
69	183.8	23.4	35.0#
84	153.2	61.9	92.9#



#33
1,2-Dichloroethane-d4
Concen: 47.847 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX009441.D
Acq: 09 May 2019 20:28

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	106.6

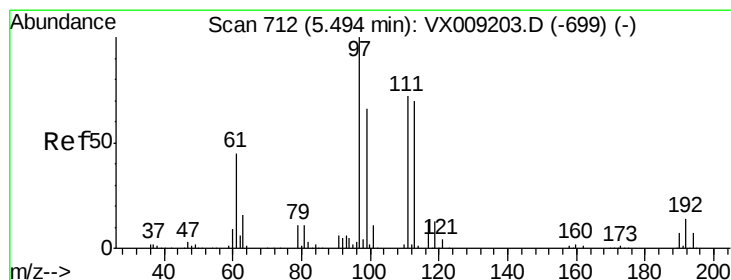
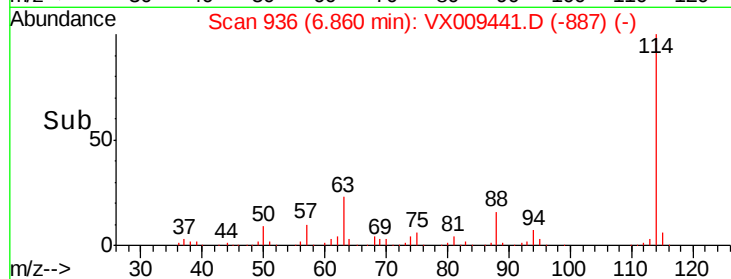
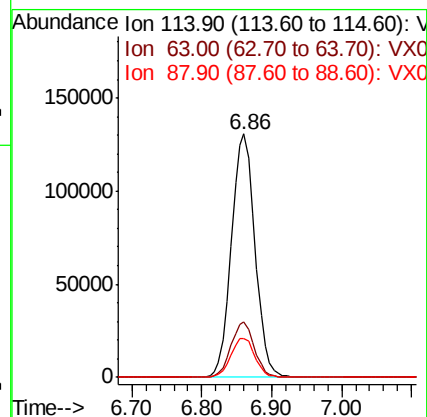
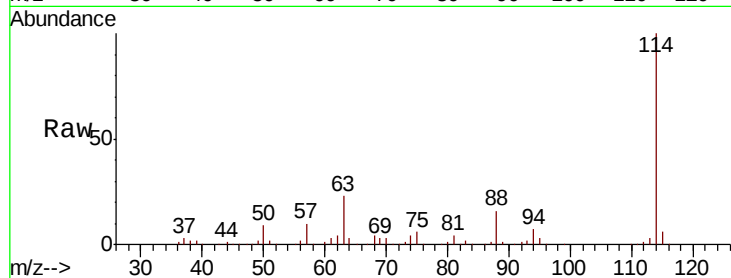




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

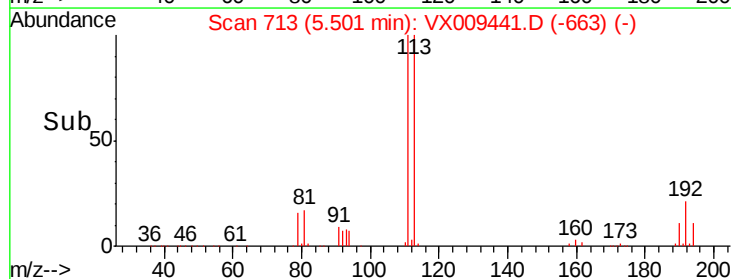
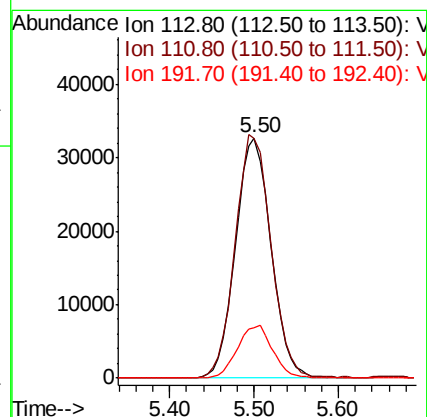
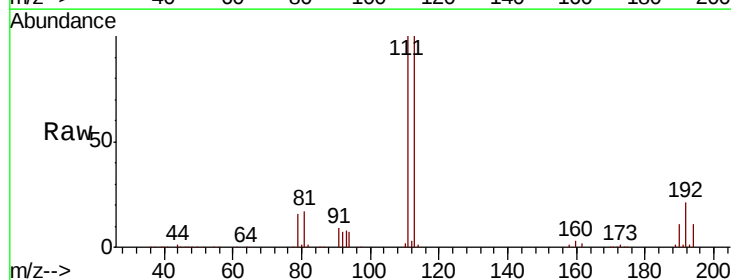
Instrument :
 MSVOA_X
 ClientSampleId :

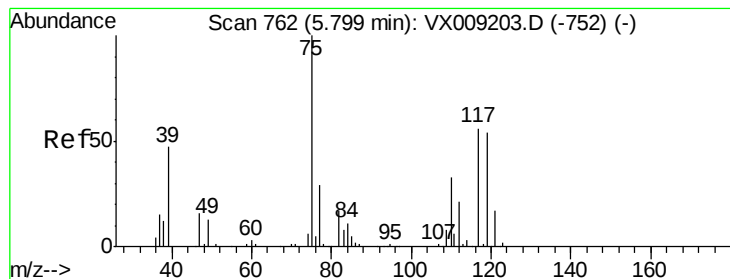
Tot Ion:114 Resp: 306766
 Ion Ratio Lower Upper
 114 100
 63 23.0 0.0 45.6
 88 16.1 0.0 33.2



#35
 Dibromofluoromethane
 Concen: 48.521 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Tgt Ion:113 Resp: 93571
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.8 124.2
 192 21.6 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.130 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX009441.D

Acq: 09 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

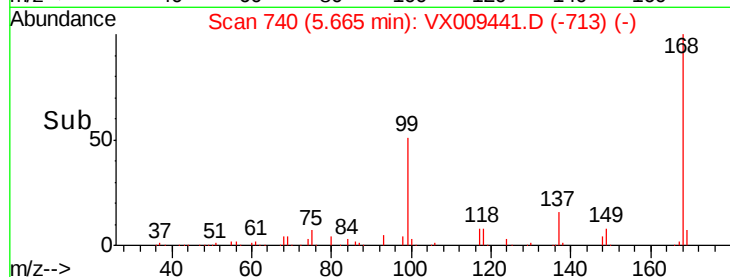
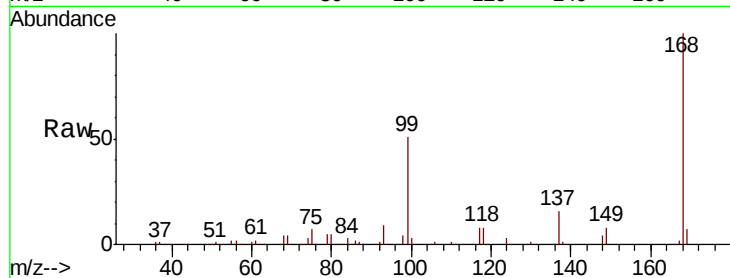
Tot Ion: 75 Resp: 14625

Ion Ratio Lower Upper

75 100

110 8.6 16.9 50.6#

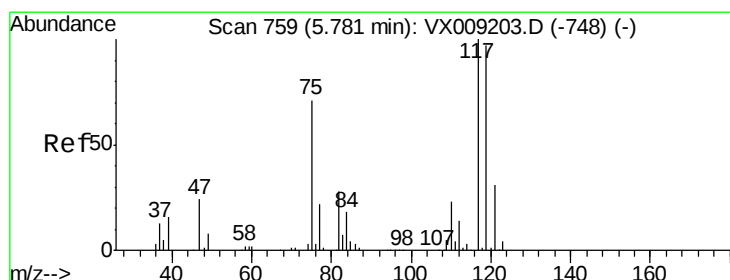
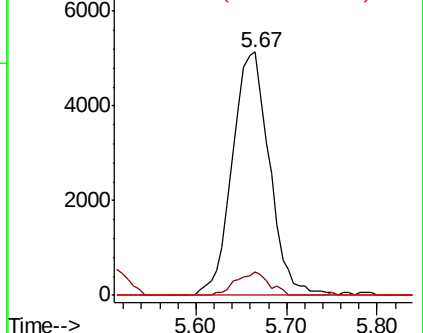
77 0.0 24.8 37.2#



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: 6.714 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX009441.D

Acq: 09 May 2019 20:28

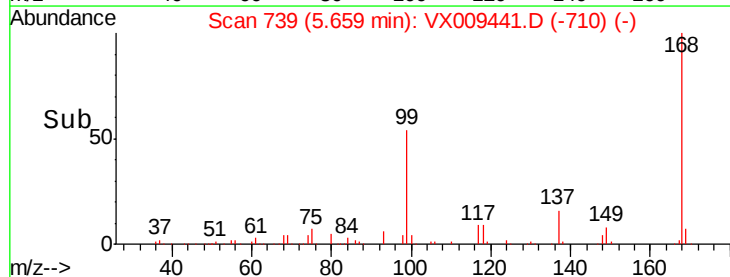
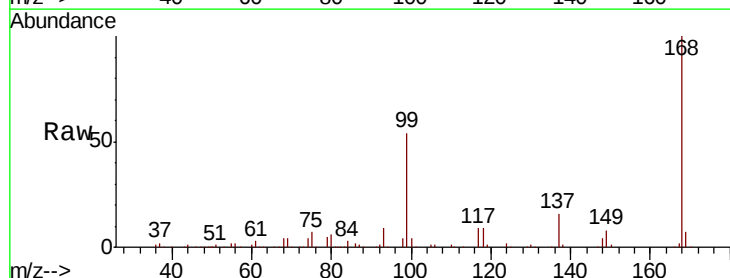
Tgt Ion: 117 Resp: 17389

Ion Ratio Lower Upper

117 100

119 5.9 77.5 116.3#

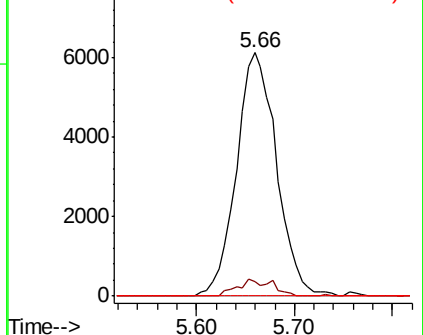
121 0.0 24.7 37.1#

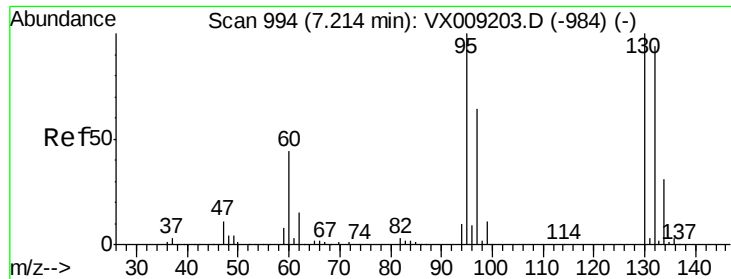


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

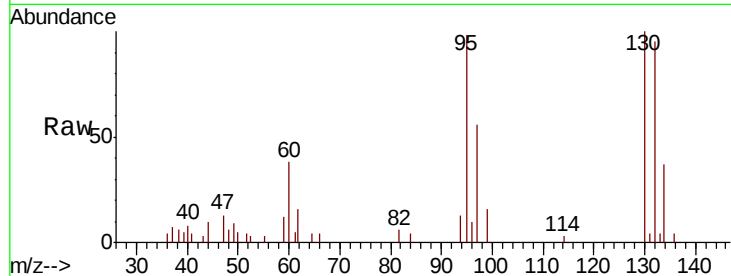




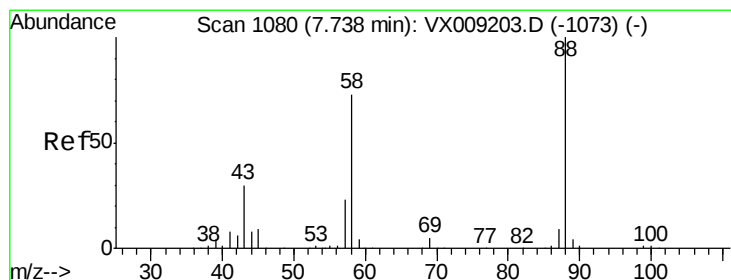
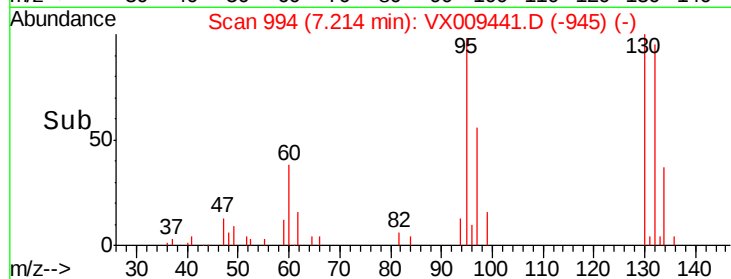
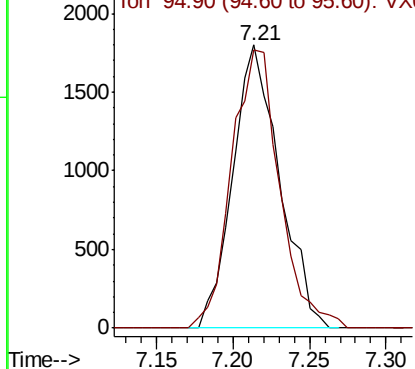
#44
 Trichloroethene
 Concen: 1.790 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 3817
 Ion Ratio Lower Upper
 130 100
 95 98.2 0.0 199.2

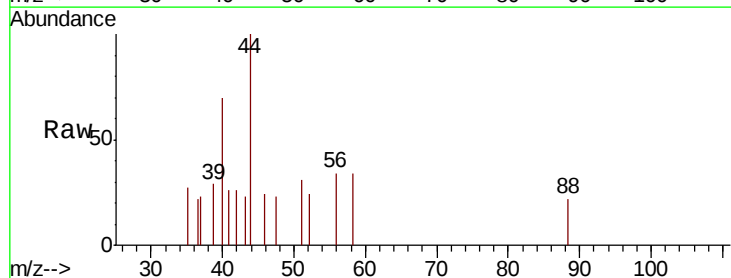


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

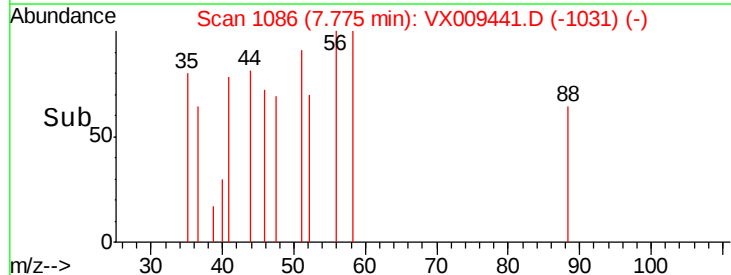
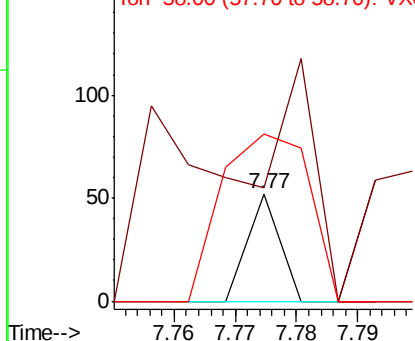


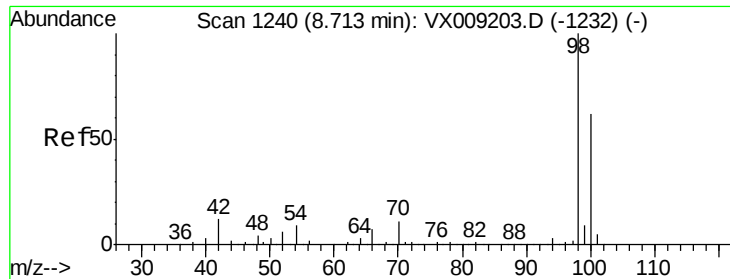
#49
 1,4-Dioxane
 Concen: 0.297 ug/l
 RT: 7.77 min Scan# 1086
 Delta R.T. 0.04 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Tgt Ion: 88 Resp: 19
 Ion Ratio Lower Upper
 88 100
 43 531.6 28.6 42.8#
 58 421.1 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

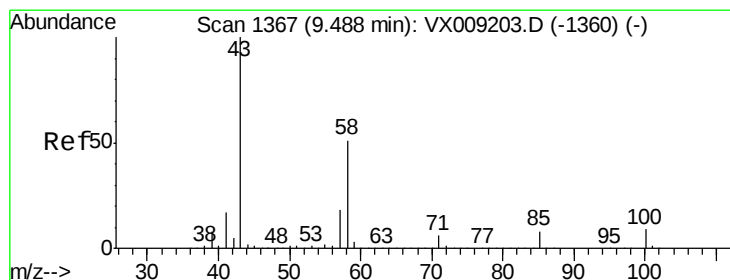
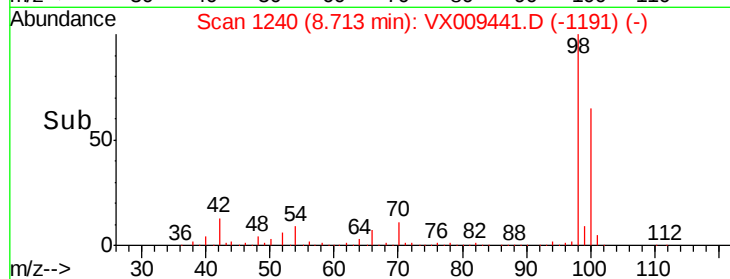
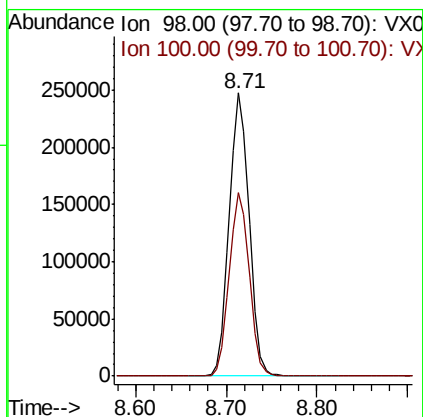
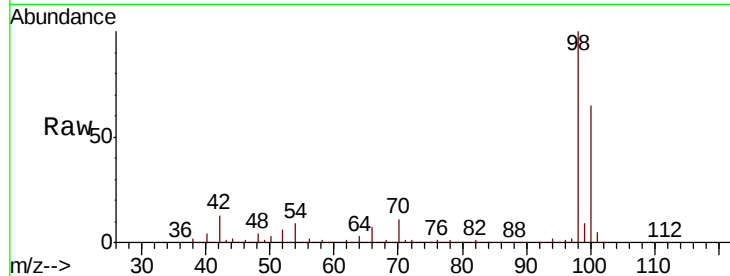




#50
Toluene-d8
Concen: 48.629 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX009441.D
Acq: 09 May 2019 20:28

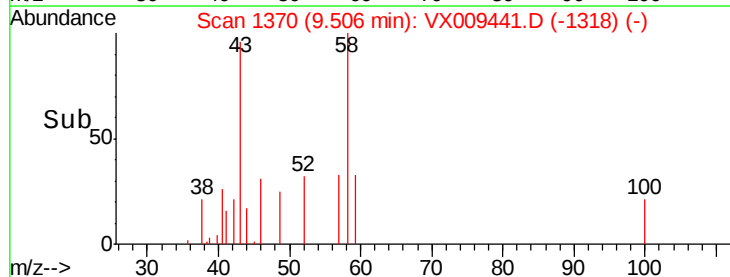
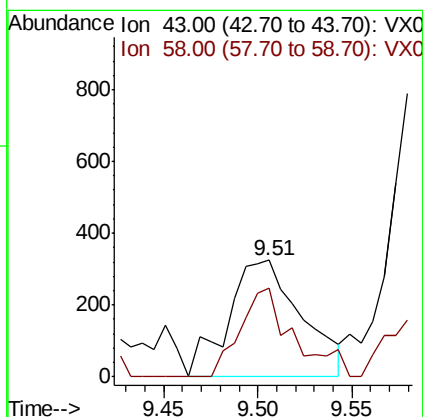
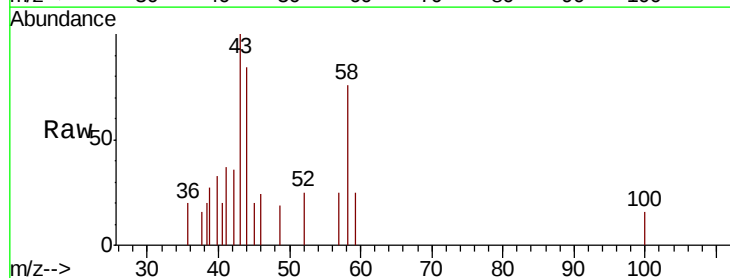
Instrument :
MSVOA_X
ClientSampled :

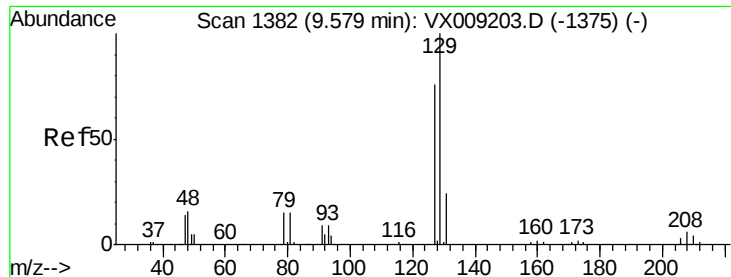
Tot Ion: 98 Resp: 378609
Ion Ratio Lower Upper
98 100
100 65.3 51.2 76.8



#59
2-Hexanone
Concen: 0.269 ug/l
RT: 9.51 min Scan# 1370
Delta R.T. 0.02 min
Lab File: VX009441.D
Acq: 09 May 2019 20:28

Tgt Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 54.9 25.9 77.7

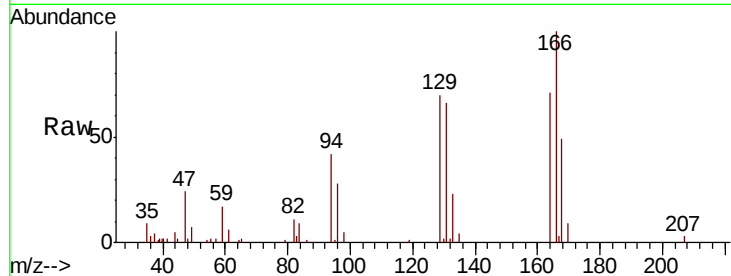




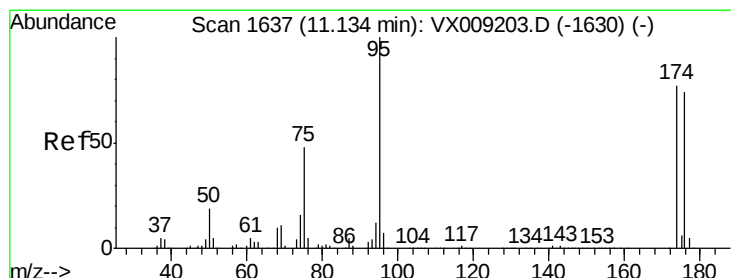
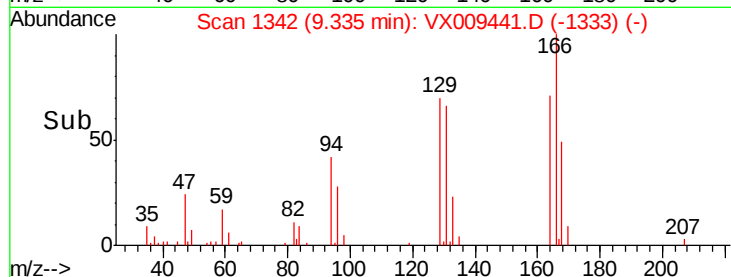
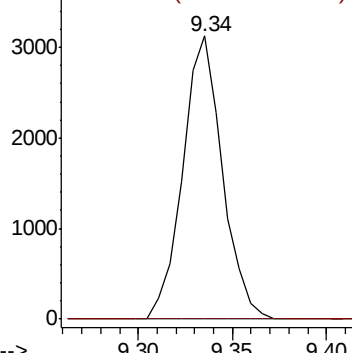
#60
 Dibromochloromethane
 Concen: 2.126 ug/l
 RT: 9.34 min Scan# 1342
 Delta R.T. -0.24 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:129 Resp: 4544
 Ion Ratio Lower Upper
 129 100
 127 0.0 38.4 115.1#

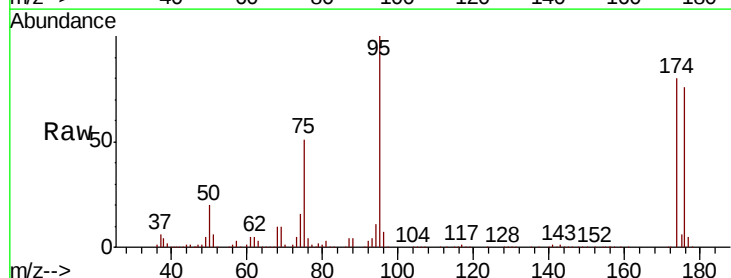


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

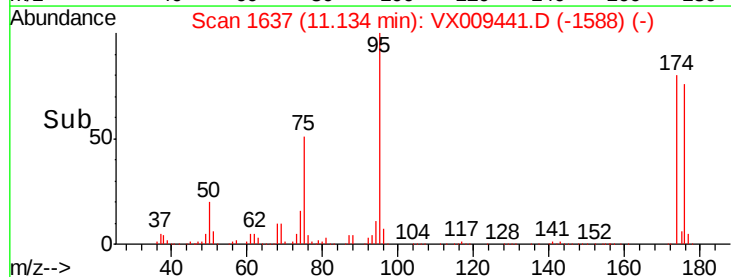
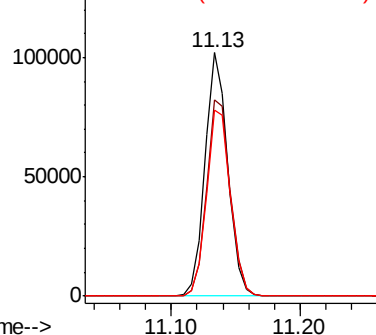


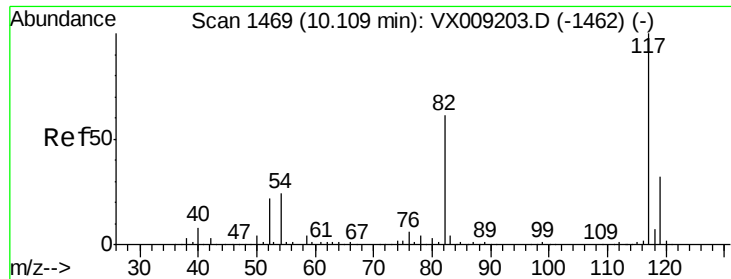
#62
 4-Bromofluorobenzene
 Concen: 44.457 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.00 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Tgt Ion: 95 Resp: 125770
 Ion Ratio Lower Upper
 95 100
 174 84.0 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

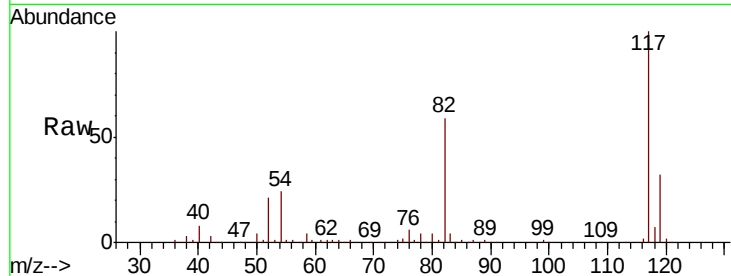




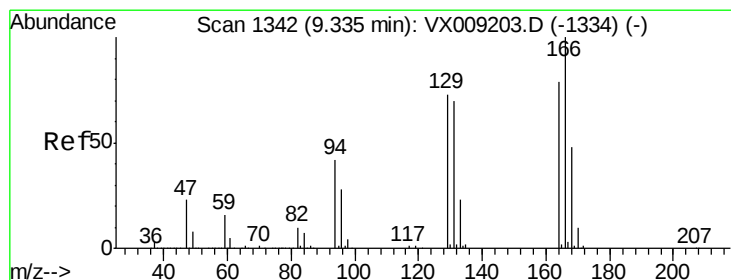
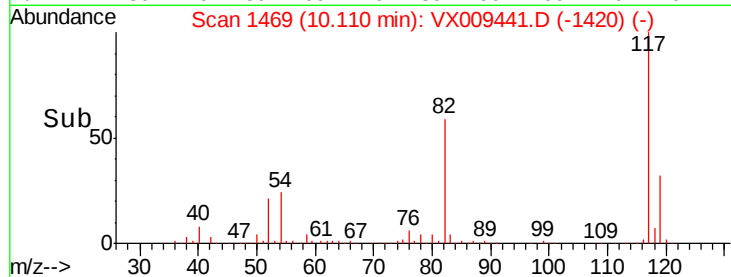
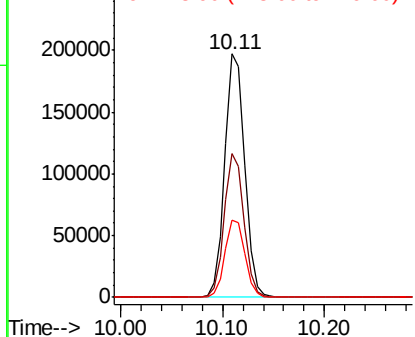
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009441.D
Acq: 09 May 2019 20:28

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 268090
Ion Ratio Lower Upper
117 100
82 58.8 48.8 73.2
119 31.9 25.8 38.6

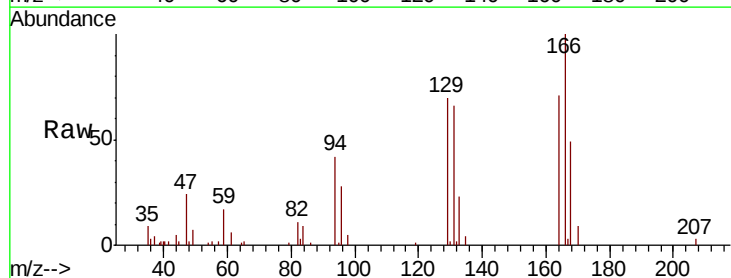


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

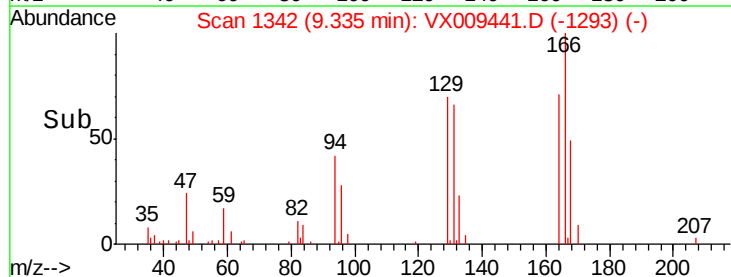
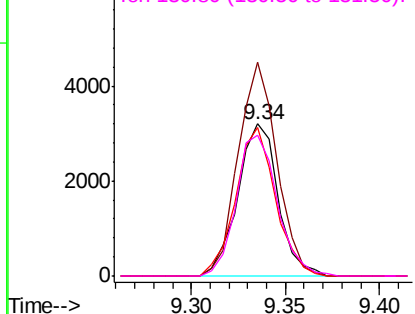


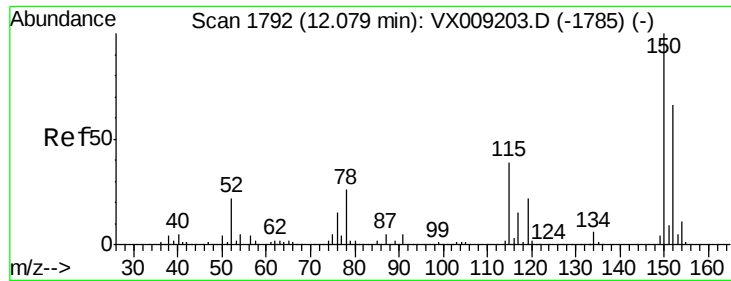
#64
Tetrachloroethene
Concen: 2.582 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009441.D
Acq: 09 May 2019 20:28

Tgt Ion:164 Resp: 4748
Ion Ratio Lower Upper
164 100
166 140.4 101.2 151.8
129 97.6 74.3 111.5
131 92.3 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: VX009441.D

Acq: 09 May 2019 20:28

Instrument :

MSVOA_X

ClientSampleId :

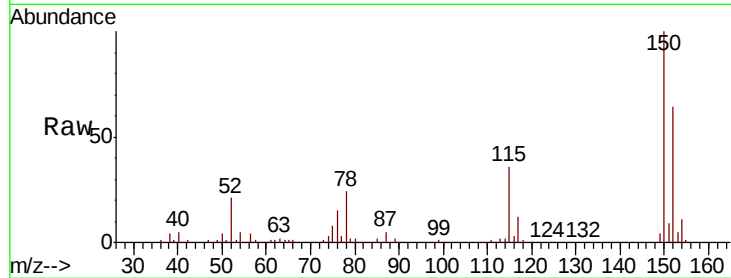
Tot Ion:152 Resp: 114393

Ion Ratio Lower Upper

152 100

115 58.5 41.2 123.6

150 157.5 0.0 346.4

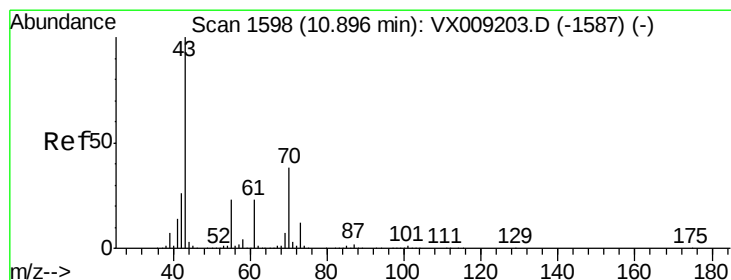
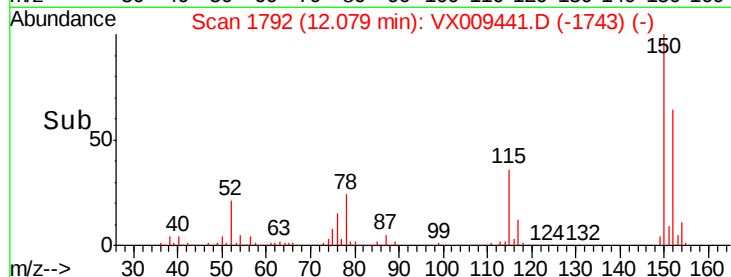
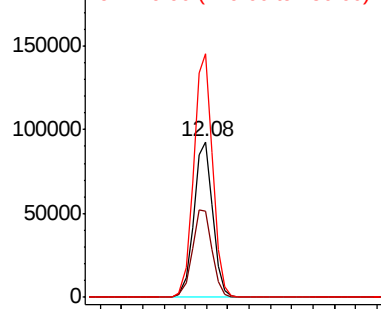


Abundance

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



#74

N-ethyl acetate

Concen: 0.203 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.02 min

Lab File: VX009441.D

Acq: 09 May 2019 20:28

Tgt Ion: 43 Resp: 983

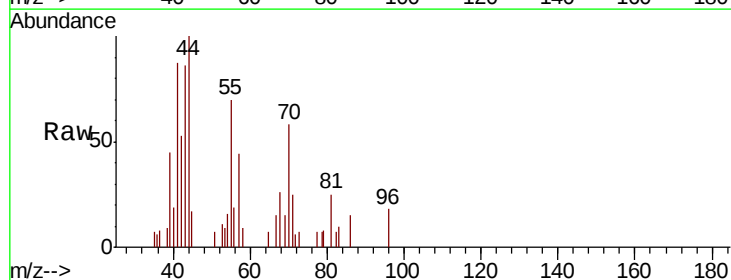
Ion Ratio Lower Upper

43 100

70 95.8 30.0 45.0#

55 104.5 17.9 26.9#

61 0.0 18.4 27.6#



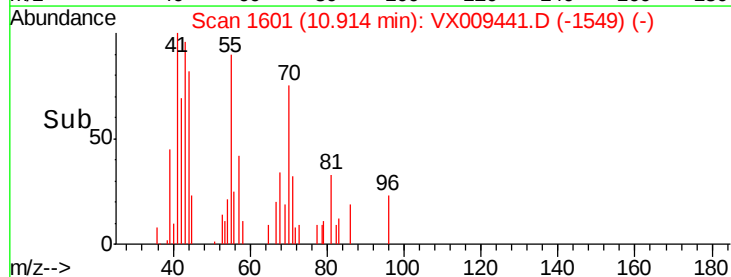
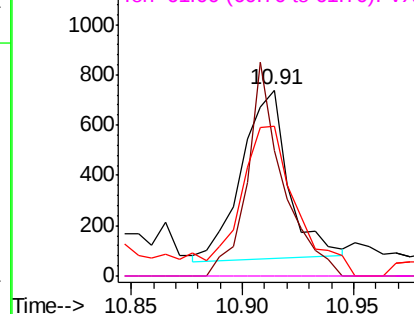
Abundance

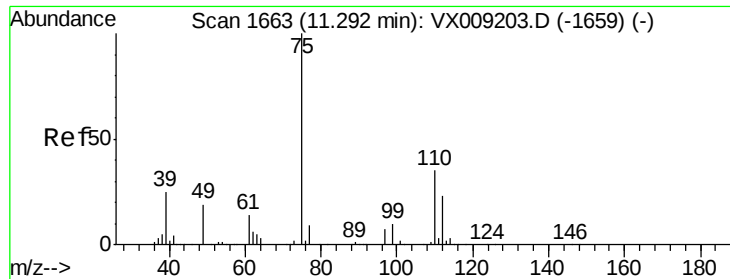
Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

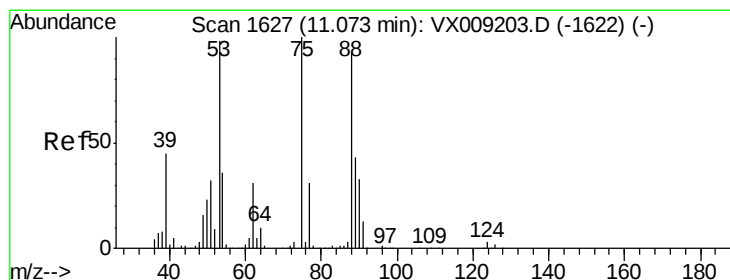
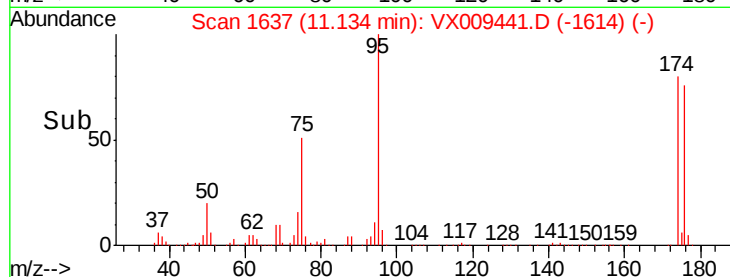
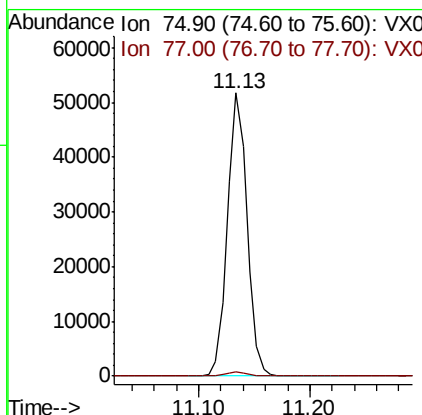
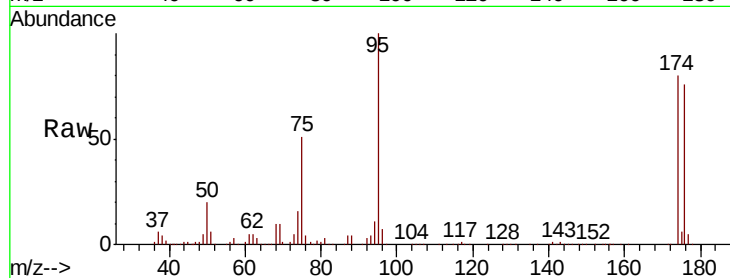




#76
 1,2,3-Trichloropropane
 Concen: 23.869 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 63337
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.073 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX009441.D
 Acq: 09 May 2019 20:28

Tgt Ion: 75 Resp: 63337
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.0 118.6#
 89 0.0 34.7 52.1#

