

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX060719\
 Data File : VX010132.D
 Acq On : 08 Jun 2019 00:28
 Operator : JC/SP
 Sample : K3257-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190606

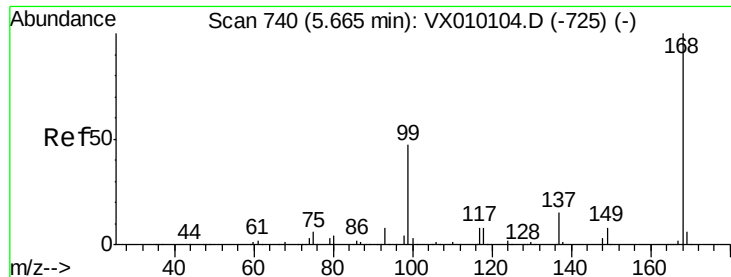
Quant Time: Jun 08 02:26:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	311686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	476823	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	431307	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201866	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	142855	46.95	ug/l	0.00
Spiked Amount			Recovery	=	93.90%	
35) Dibromofluoromethane	5.50	113	147764	50.24	ug/l	0.00
Spiked Amount			Recovery	=	100.48%	
50) Toluene-d8	8.71	98	561708	50.96	ug/l	0.00
Spiked Amount			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.13	95	197222	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	743	0.259	ug/l	76
3) Chloromethane	1.33	50	804	0.282	ug/l	95
6) Chloroethane	1.64	64	499	0.370	ug/l #	65
8) Diethyl Ether	2.12	74	282	0.206	ug/l	54
9) 1,1,2-Trichlorotrifluoroet	2.39	101	595062	217.098	ug/l	91
11) Tert butyl alcohol	3.01	59	1866	2.504	ug/l #	80
12) 1,1-Dichloroethene	2.38	96	4578	1.635	ug/l #	58
13) Acrolein	2.26	56	159	1.170	ug/l #	1
16) Acetone	2.44	43	3670	2.565	ug/l	95
20) Methylene Chloride	2.86	84	853	0.271	ug/l #	72
27) cis-1,2-Dichloroethene	4.60	96	2630	0.763	ug/l	73
31) Cyclohexane	5.67	56	5337	1.205	ug/l #	1
32) 1,1,1-Trichloroethane	5.50	97	1078	0.225	ug/l #	23
36) 1,1-Dichloropropene	5.67	75	18782	4.828	ug/l #	52
38) Carbon Tetrachloride	5.79	117	940	0.213	ug/l #	71
44) Trichloroethene	7.21	130	51999	14.341	ug/l	87
45) 1,2-Dichloropropane	7.51	63	629	0.209	ug/l #	86
49) 1,4-Dioxane	7.74	88	461	5.109	ug/l #	30
60) Dibromochloromethane	9.34	129	14991	3.914	ug/l #	11
64) Tetrachloroethene	9.34	164	16645	5.196	ug/l	97
76) 1,2,3-Trichloropropane	11.13	75	88159	21.834	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	88159	48.240	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

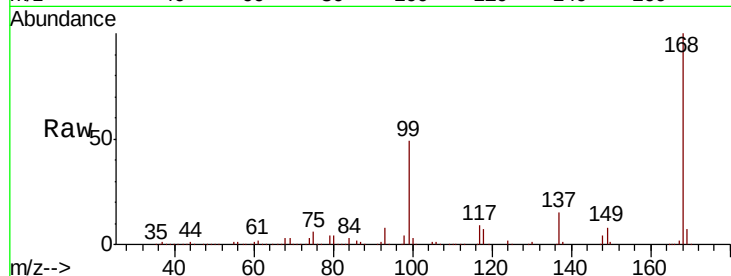
RE131D3-20190606

Tot Ion:168 Resp: 311686

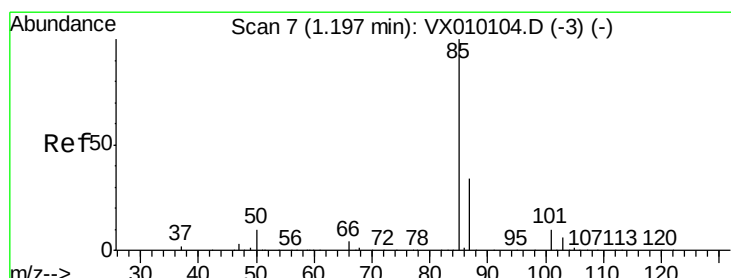
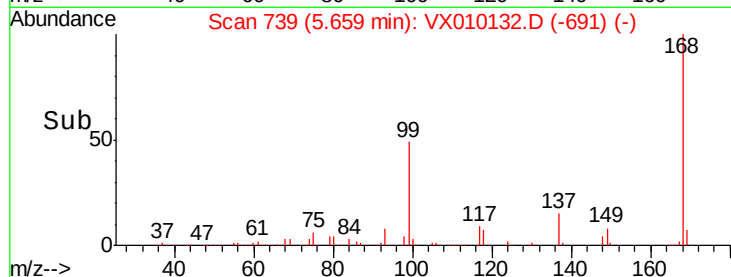
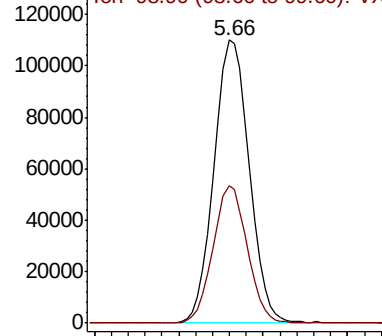
Ion Ratio Lower Upper

168 100

99 48.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): VX010104.D (-725) (-)



#2

Dichlorodifluoromethane

Concen: 0.259 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX010132.D

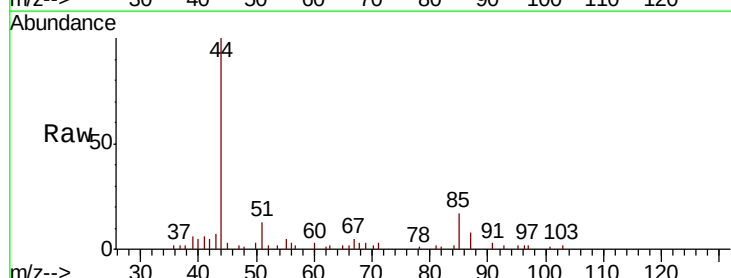
Acq: 08 Jun 2019 00:28

Tgt Ion: 85 Resp: 743

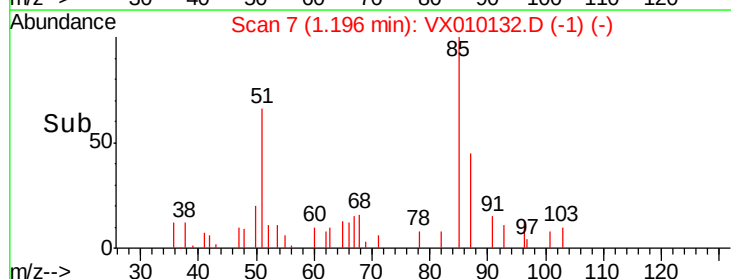
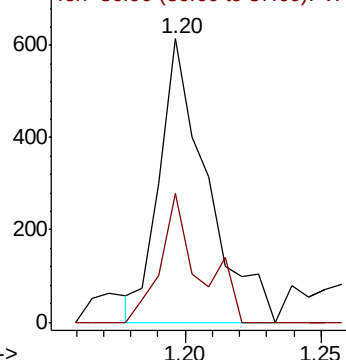
Ion Ratio Lower Upper

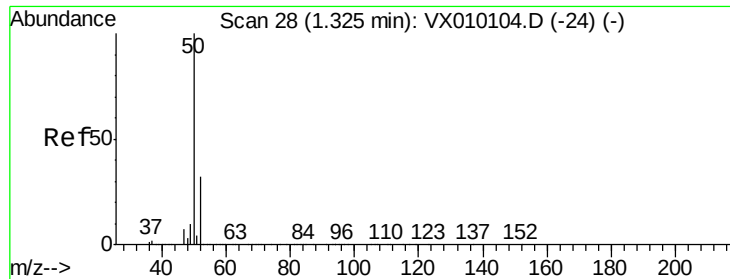
85 100

87 45.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VX010104.D (-3) (-)





#3

Chloromethane

Concen: 0.282 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

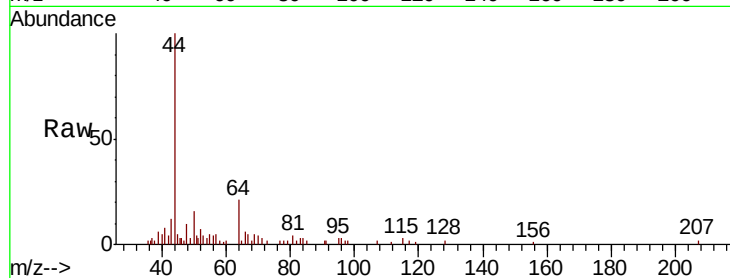
RE131D3-20190606

Tot Ion: 50 Resp: 804

Ion Ratio Lower Upper

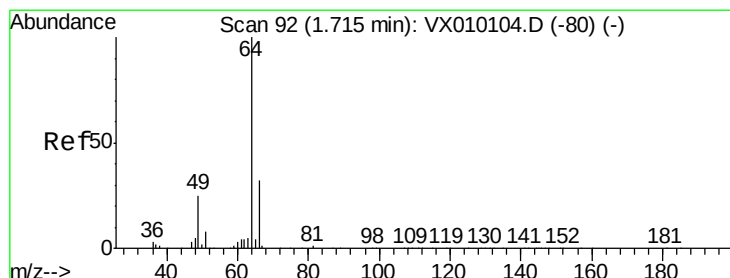
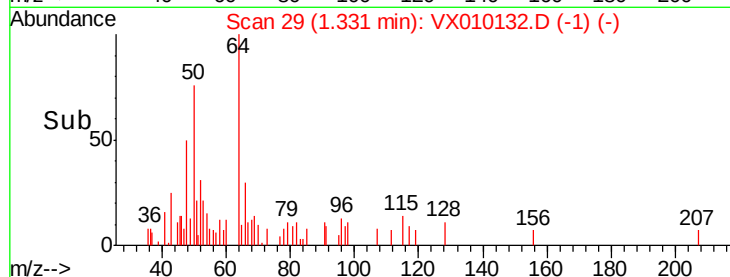
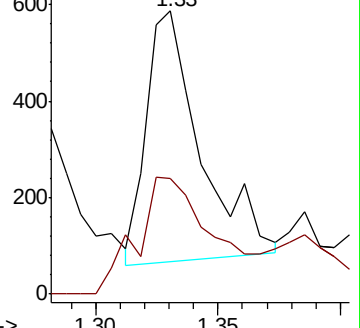
50 100

52 29.6 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#6

Chloroethane

Concen: 0.370 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.08 min

Lab File: VX010132.D

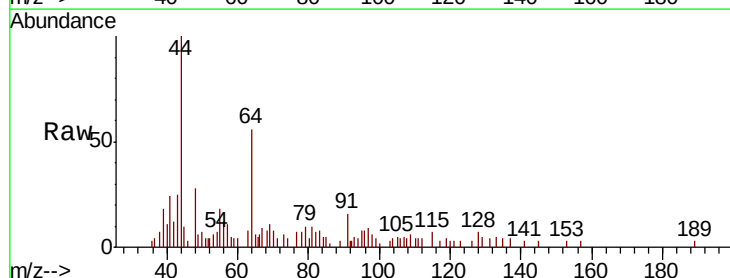
Acq: 08 Jun 2019 00:28

Tgt Ion: 64 Resp: 499

Ion Ratio Lower Upper

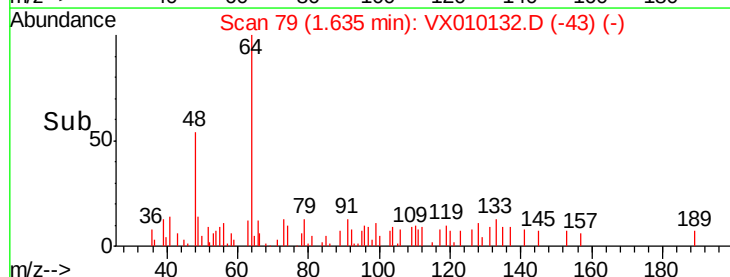
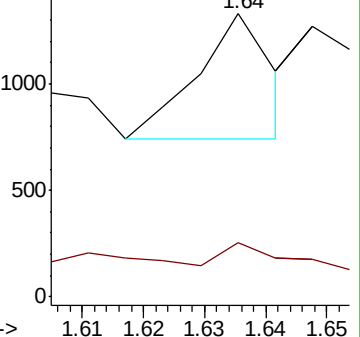
64 100

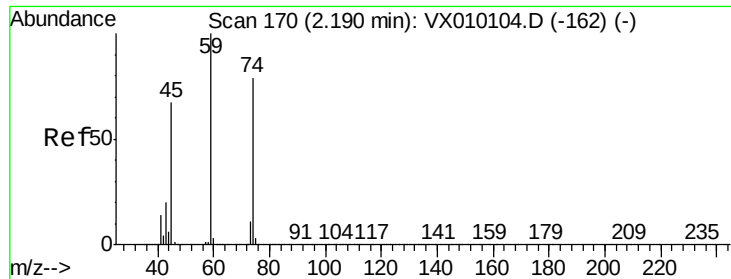
66 12.1 25.1 37.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#8

Diethyl Ether

Concen: 0.206 ug/l

RT: 2.12 min Scan# 158

Delta R.T. -0.07 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

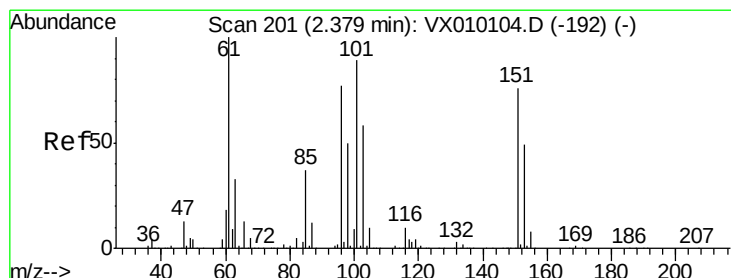
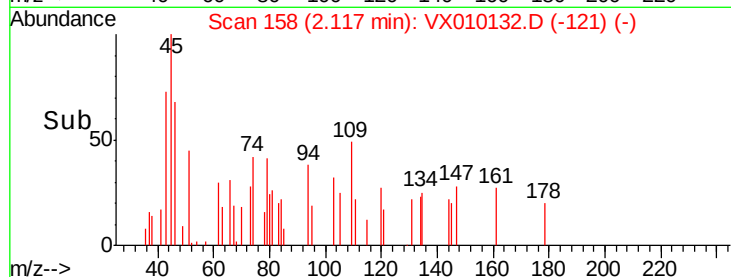
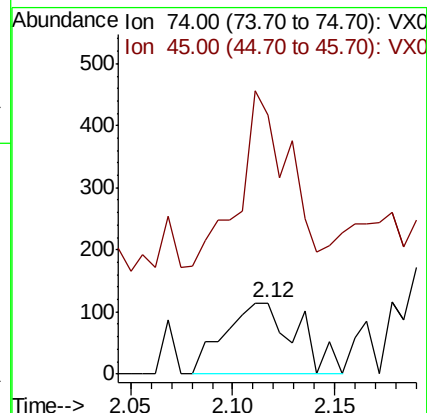
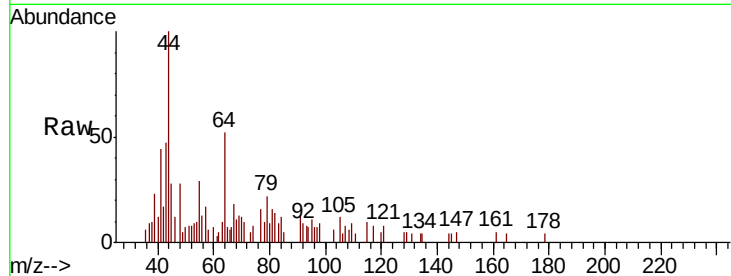
RE131D3-20190606

Tot Ion: 74 Resp: 282

Ion Ratio Lower Upper

74 100

45 161.3 56.1 168.3



#9

1,1,2-Trichlorotrifluoroethane

Concen: 217.098 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

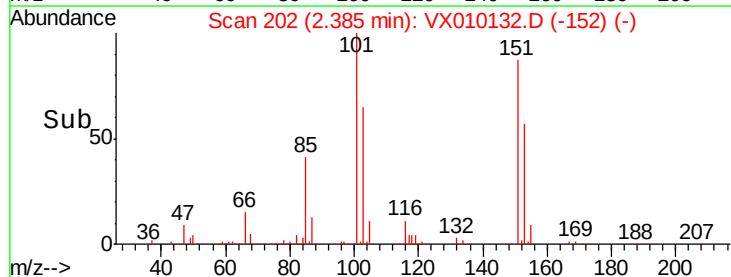
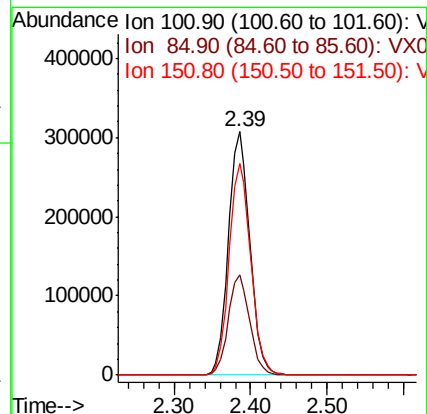
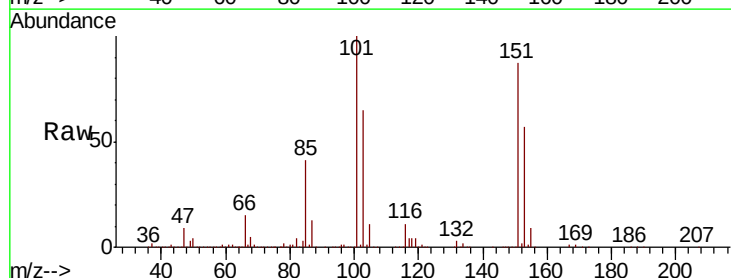
Tgt Ion: 101 Resp: 595062

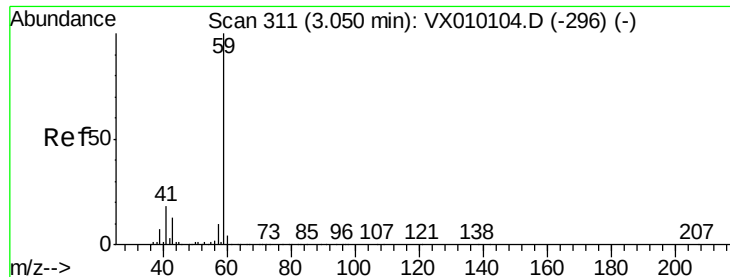
Ion Ratio Lower Upper

101 100

85 41.0 35.2 52.8

151 87.8 61.9 92.9



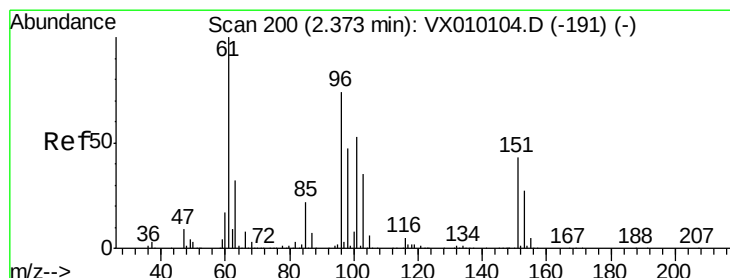
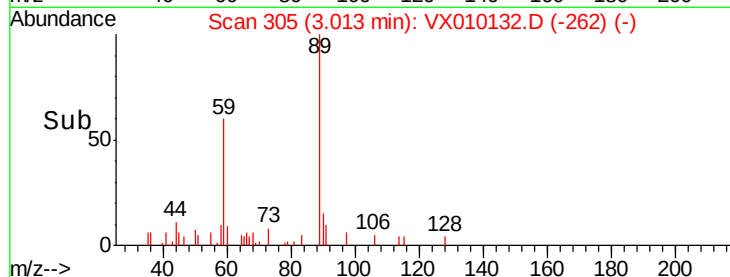
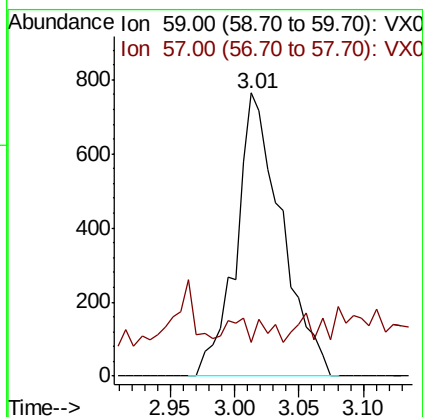
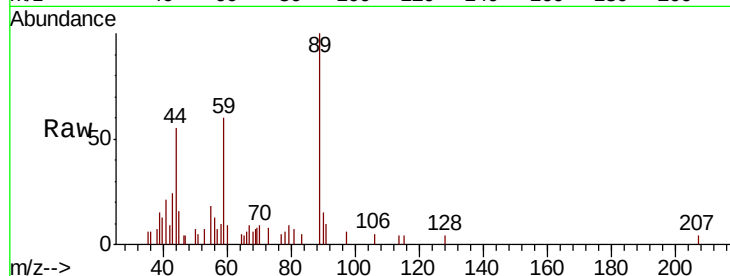


#11

Tert butyl alcohol
Concen: 2.504 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190606

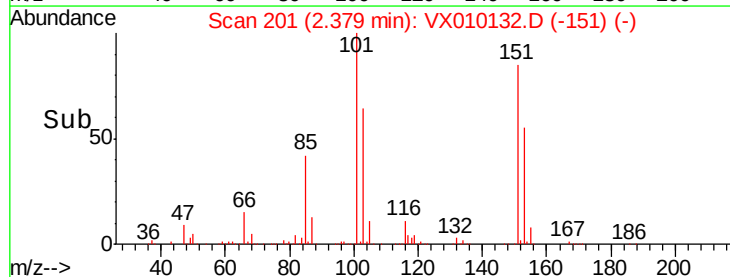
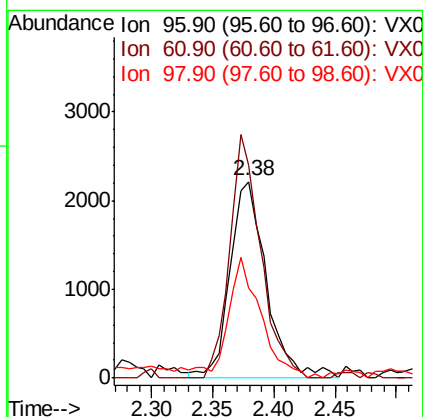
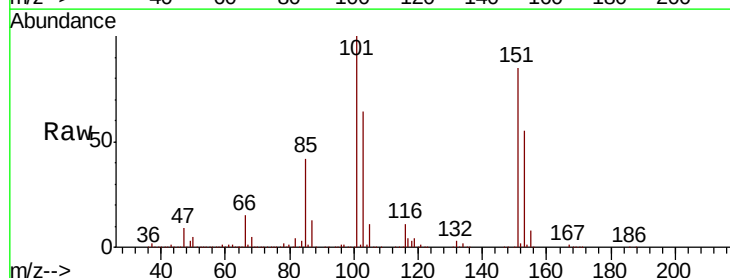
Tot Ion: 59 Resp: 1866
Ion Ratio Lower Upper
59 100
57 2.8 8.2 12.2#

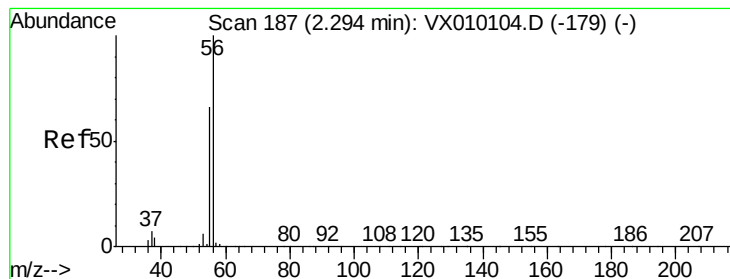


#12

1,1-Dichloroethene
Concen: 1.635 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

Tgt Ion: 96 Resp: 4578
Ion Ratio Lower Upper
96 100
61 108.3 140.7 211.1#
98 43.7 50.1 75.1#





#13

Acrolein

Concen: 1.170 ug/l

RT: 2.26 min Scan# 182

Delta R.T. -0.03 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

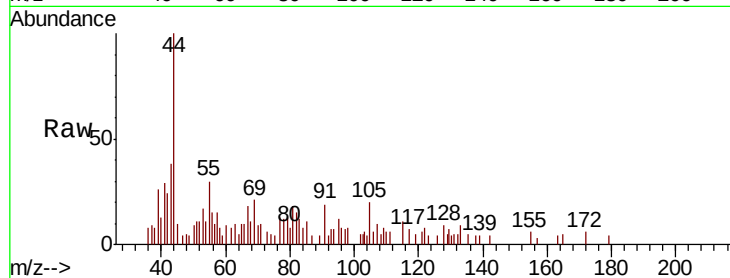
RE131D3-20190606

Tot Ion: 56 Resp: 159

Ion Ratio Lower Upper

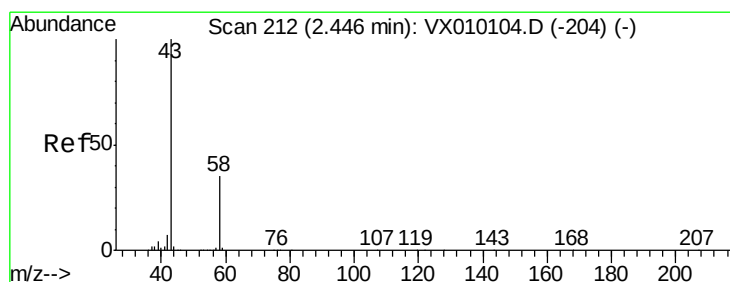
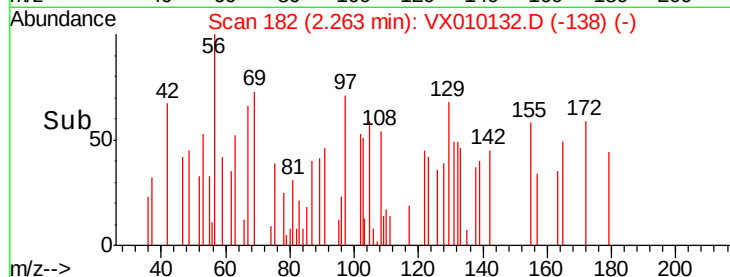
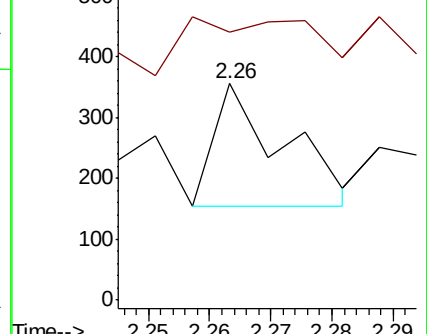
56 100

55 458.5 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.565 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010132.D

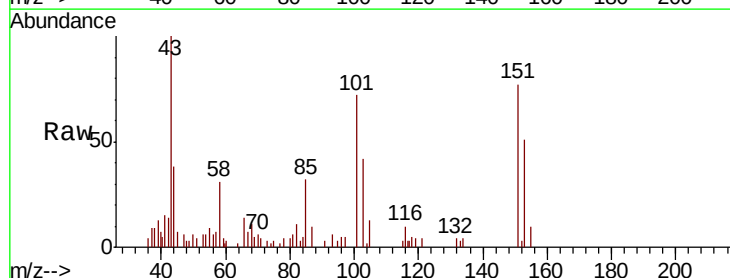
Acq: 08 Jun 2019 00:28

Tgt Ion: 43 Resp: 3670

Ion Ratio Lower Upper

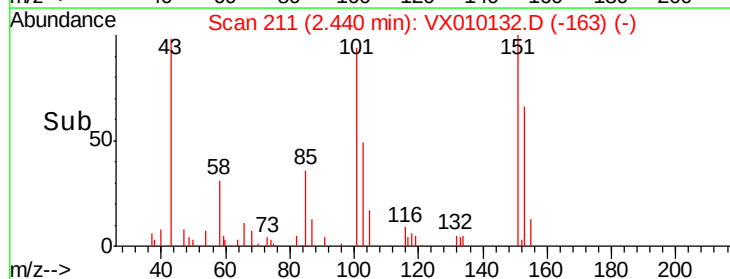
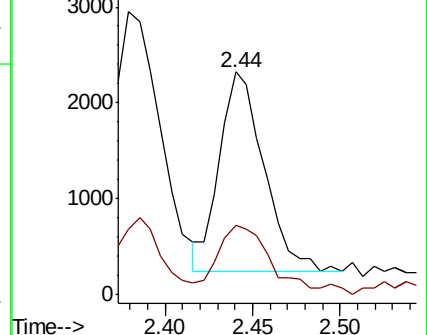
43 100

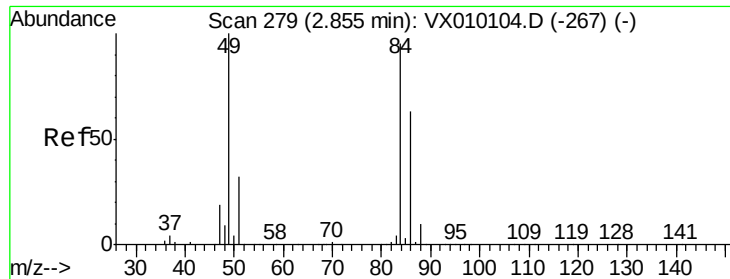
58 31.8 23.2 34.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

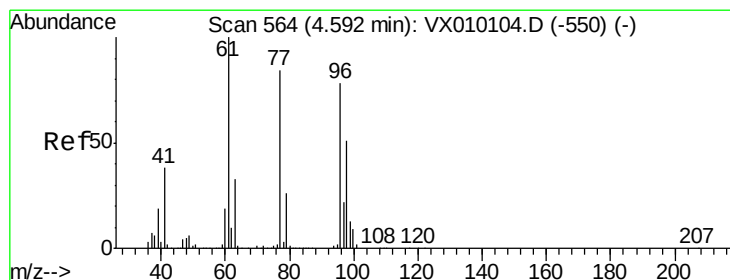
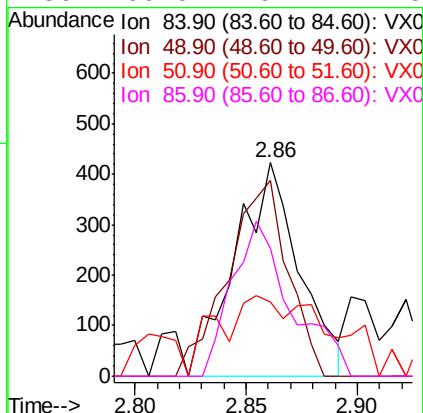
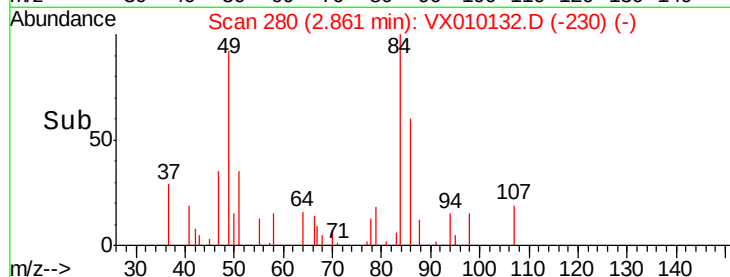
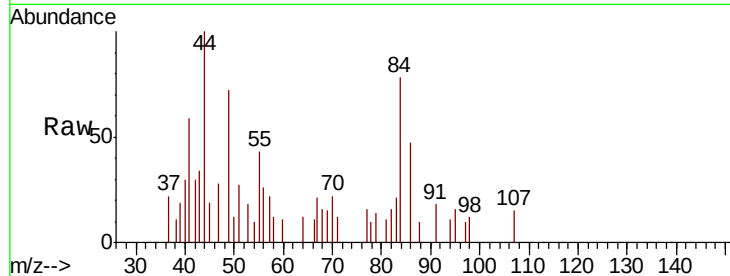




#20
Methvlene Chloride
Concen: 0.271 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

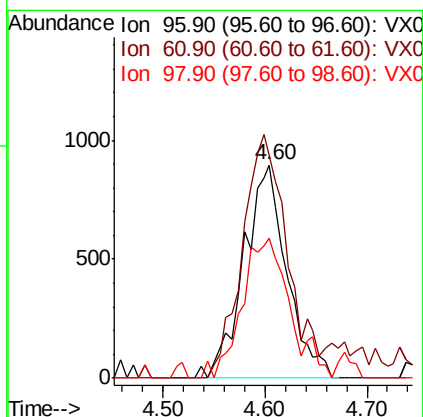
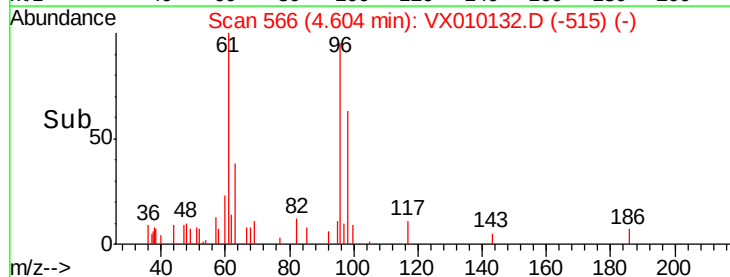
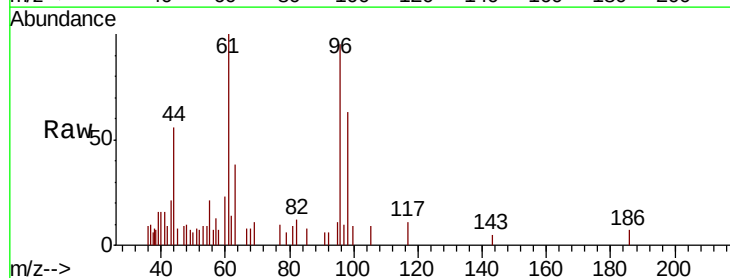
Instrument :
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RE131D3-20190606

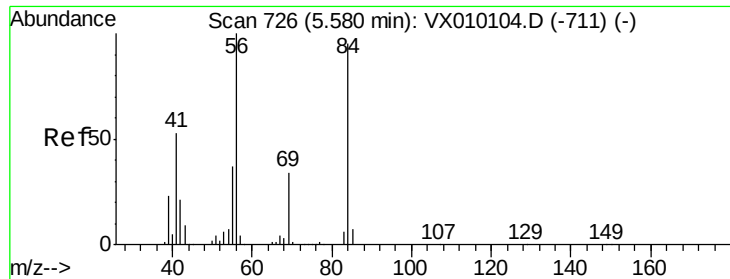
Tot Ion: 84 Resp: 853
Ion Ratio Lower Upper
84 100
49 91.7 115.8 173.6#
51 35.0 34.4 51.6
86 60.0 49.7 74.5



#27
cis-1,2-Dichloroethene
Concen: 0.763 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

Tgt Ion: 96 Resp: 2630
Ion Ratio Lower Upper
96 100
61 120.6 0.0 334.0
98 72.7 0.0 131.6

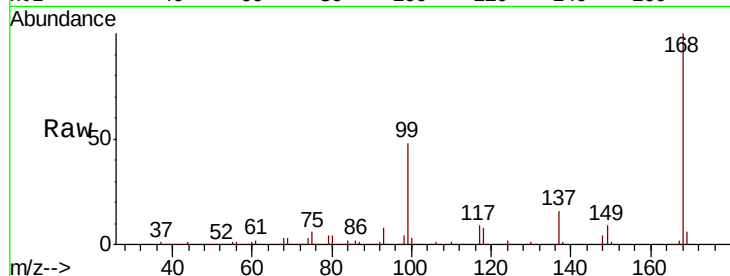




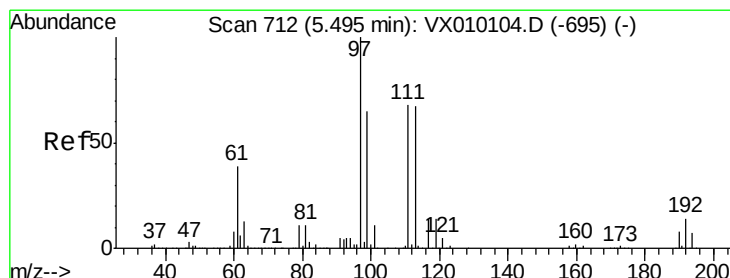
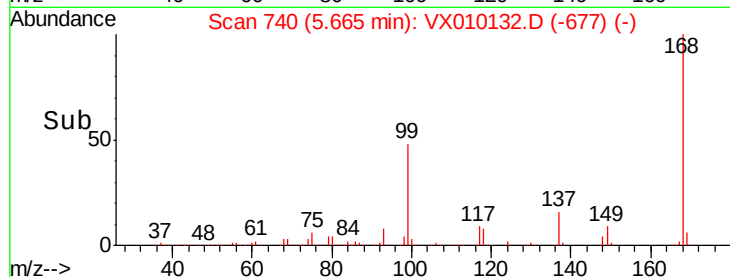
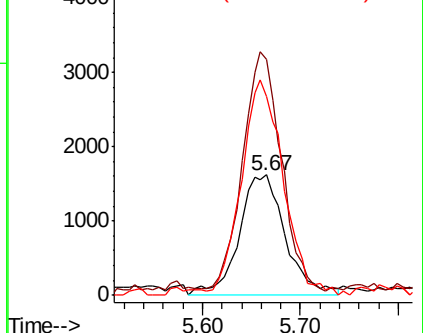
#31
Cyclohexane
Concen: 1.205 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190606

Tot Ion: 56 Resp: 5337
Ion Ratio Lower Upper
56 100
69 190.8 21.6 32.4#
84 166.0 56.8 85.2#

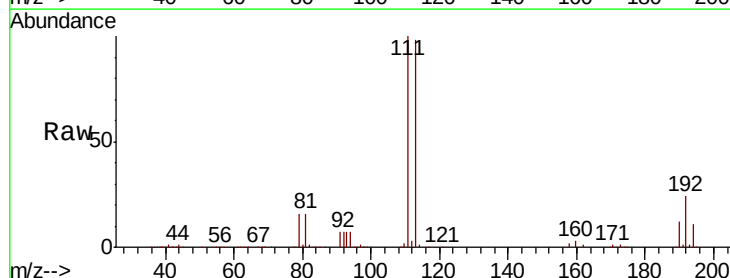


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

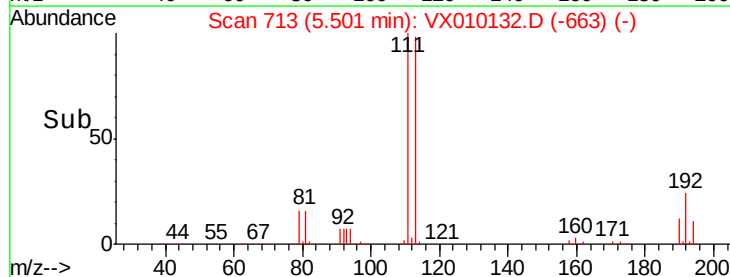
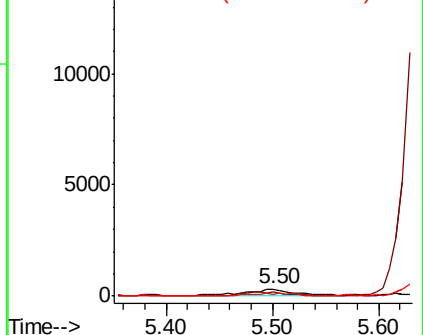


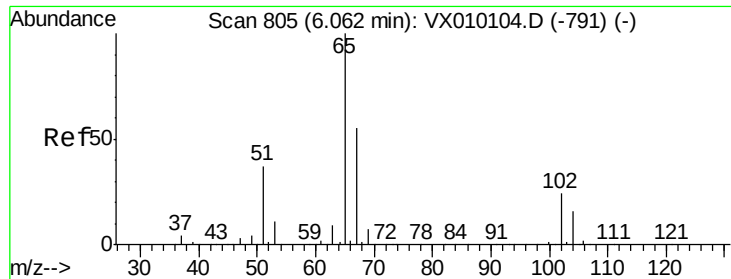
#32
1,1,1-Trichloroethane
Concen: 0.225 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.01 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

Tgt Ion: 97 Resp: 1078
Ion Ratio Lower Upper
97 100
99 0.0 51.0 76.4#
61 0.0 38.7 58.1#



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0

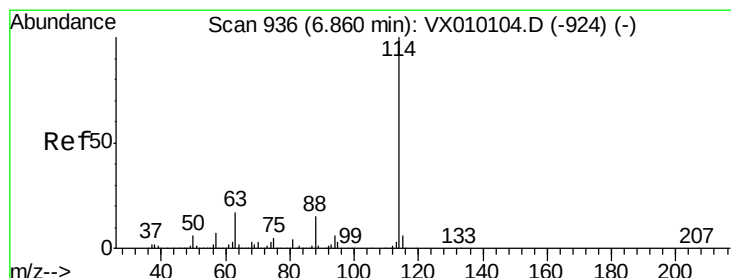
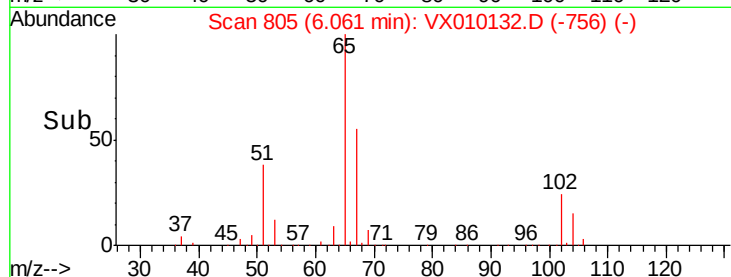
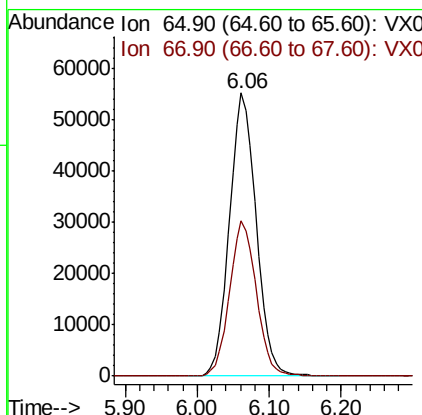
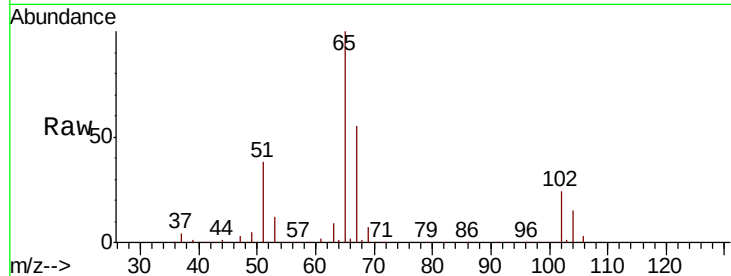




#33
 1,2-Dichloroethane-d4
 Concen: 46.955 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010132.D
 Acq: 08 Jun 2019 00:28

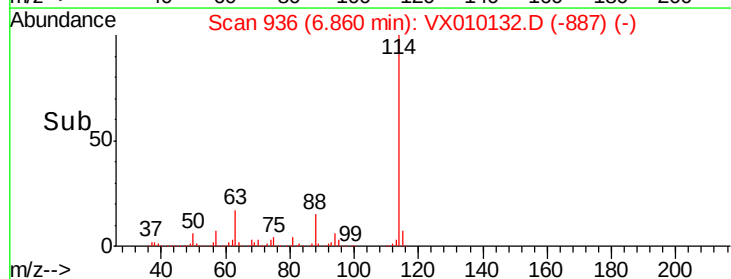
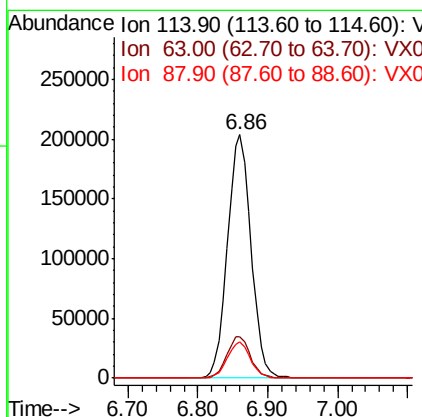
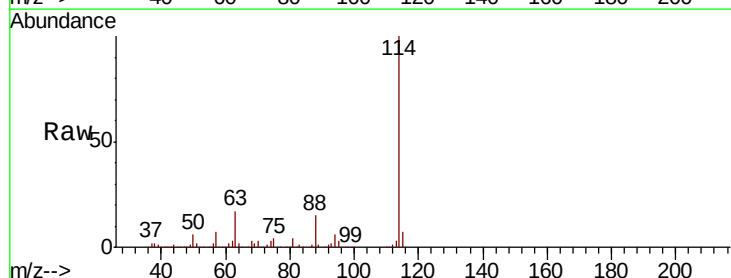
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190606

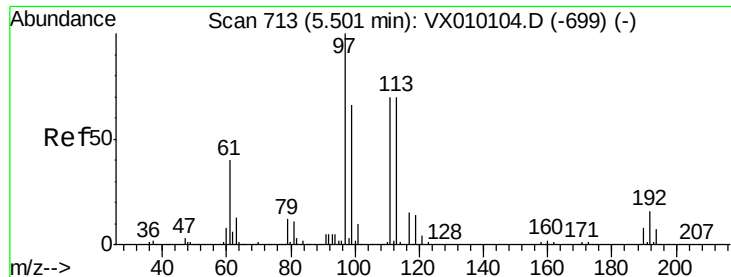
Tot Ion: 65 Resp: 142855
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 108.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX010132.D
 Acq: 08 Jun 2019 00:28

Tgt Ion: 114 Resp: 476823
 Ion Ratio Lower Upper
 114 100
 63 17.2 0.0 47.4
 88 14.6 0.0 33.0

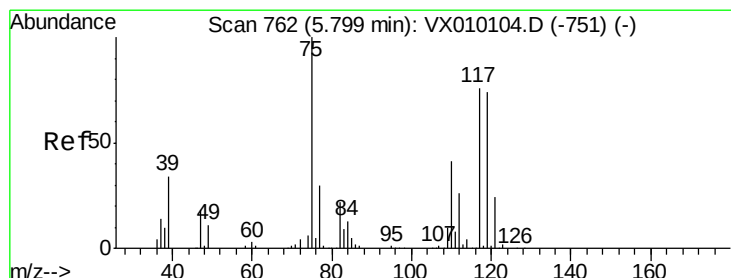
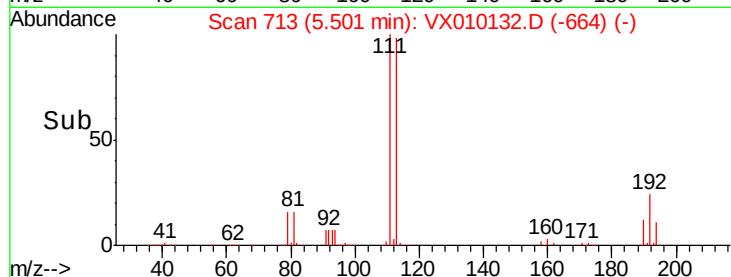
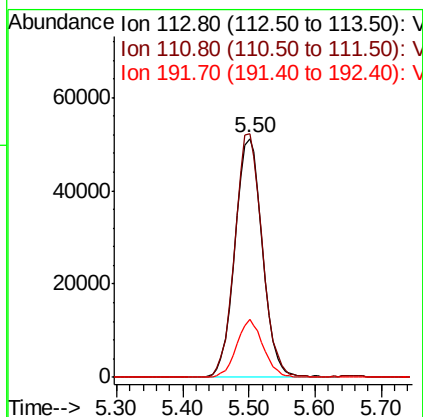
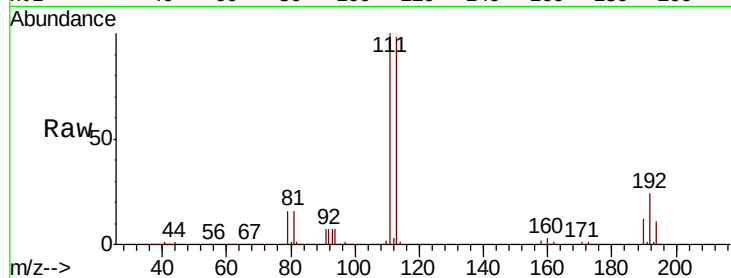




#35
 Dibromofluoromethane
 Concen: 50.240 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX010132.D
 Acq: 08 Jun 2019 00:28

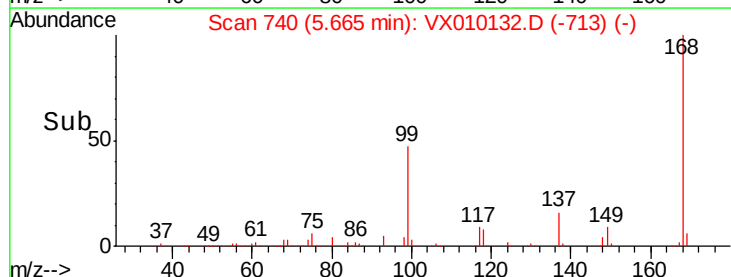
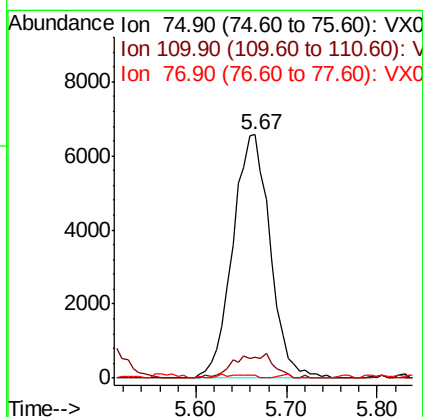
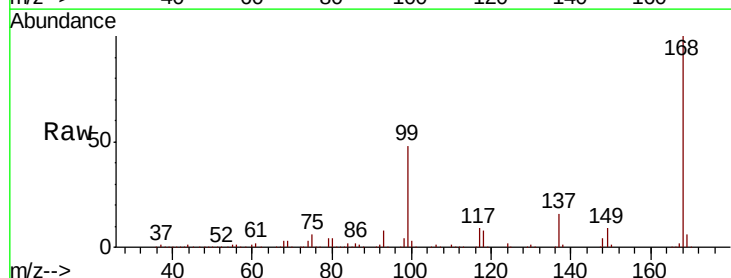
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190606

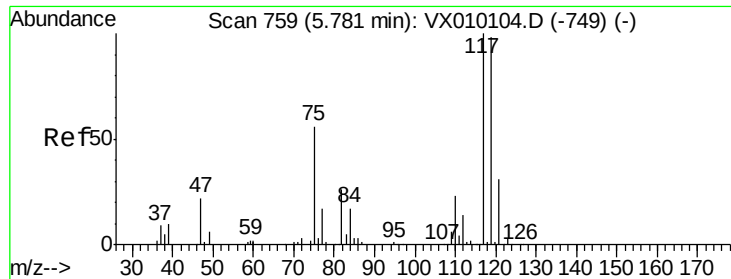
Tot Ion:113 Resp: 147764
 Ion Ratio Lower Upper
 113 100
 111 101.3 82.2 123.2
 192 23.3 17.1 25.7



#36
 1,1-Dichloropropene
 Concen: 4.828 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010132.D
 Acq: 08 Jun 2019 00:28

Tgt Ion: 75 Resp: 18782
 Ion Ratio Lower Upper
 75 100
 110 10.4 16.7 50.1#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 0.213 ug/l

RT: 5.79 min Scan# 760

Delta R.T. 0.01 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190606

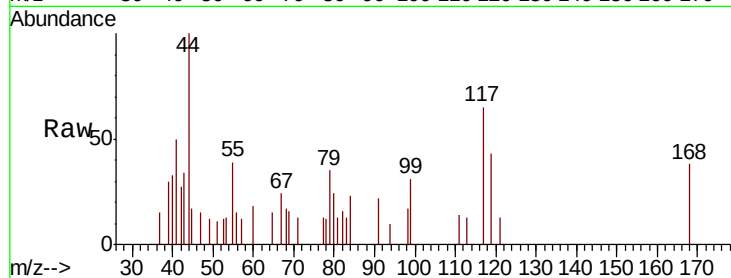
Tot Ion:117 Resp: 940

Ion Ratio Lower Upper

117 100

119 65.6 77.3 115.9#

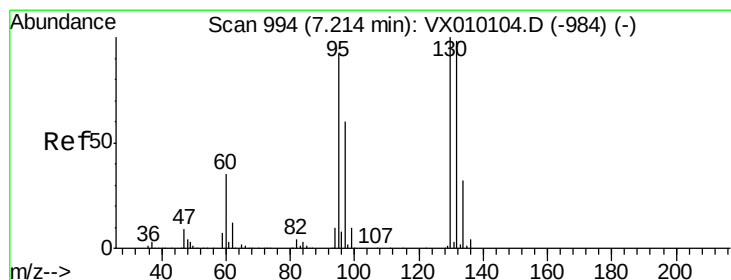
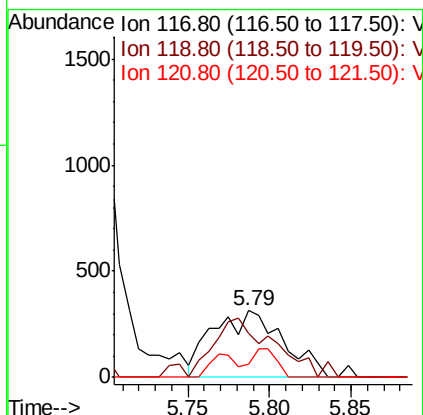
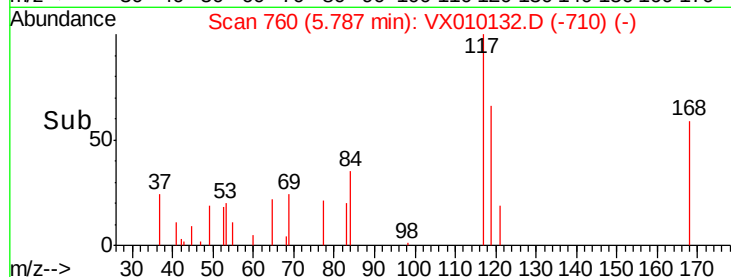
121 19.4 25.4 38.0#



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: 14.341 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX010132.D

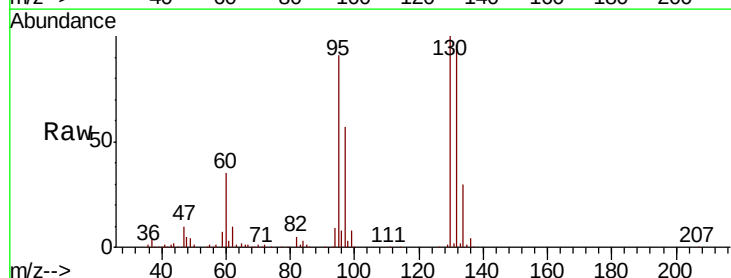
Acq: 08 Jun 2019 00:28

Tgt Ion:130 Resp: 51999

Ion Ratio Lower Upper

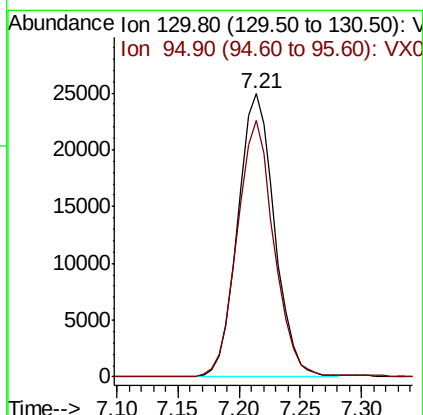
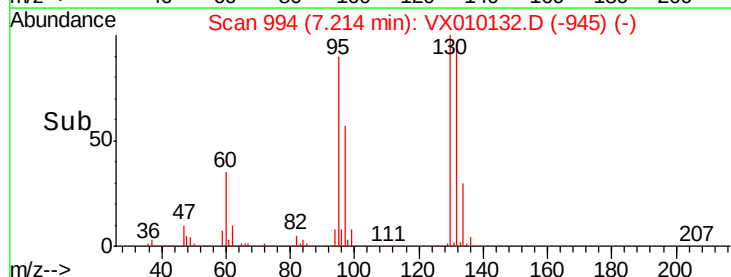
130 100

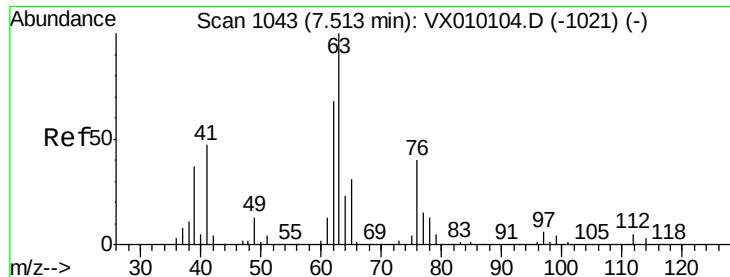
95 90.7 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 0.209 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

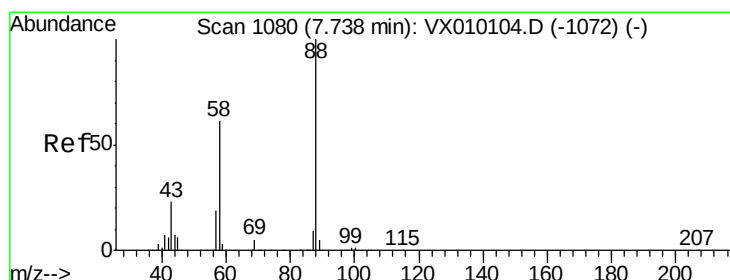
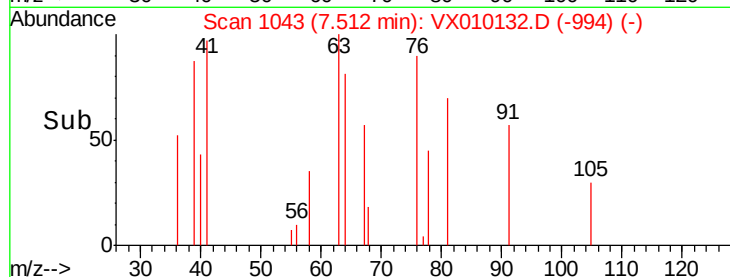
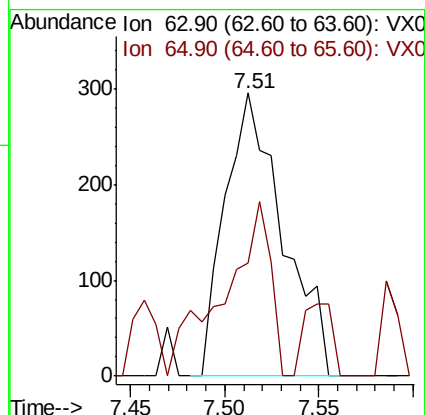
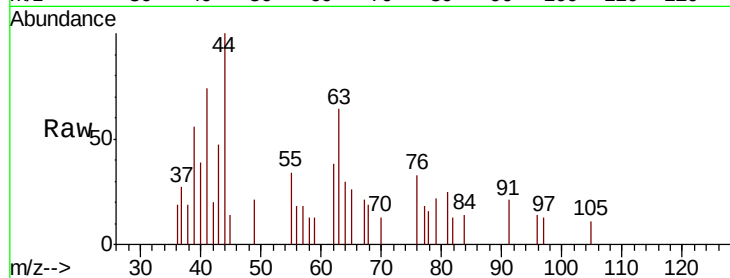
RE131D3-20190606

Tot Ion: 63 Resp: 629

Ion Ratio Lower Upper

63 100

65 39.9 25.7 38.5#



#49

1,4-Dioxane

Concen: 5.109 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. 0.01 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

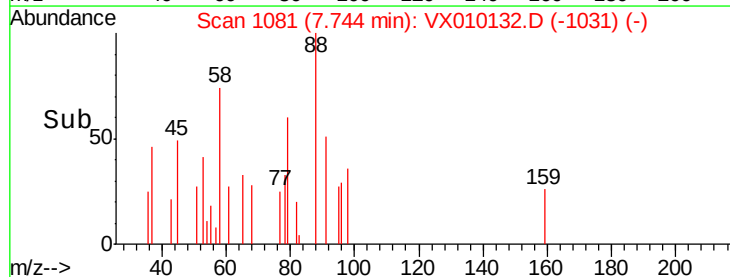
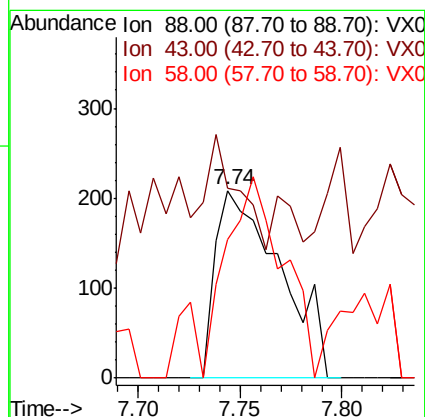
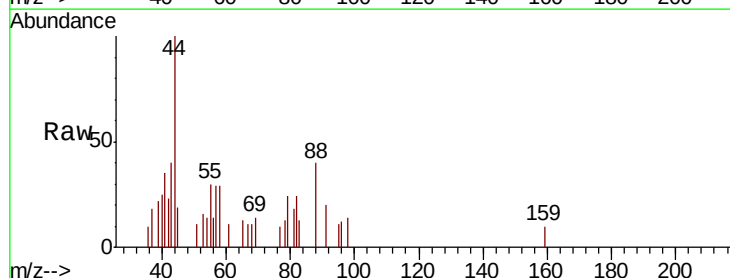
Tgt Ion: 88 Resp: 461

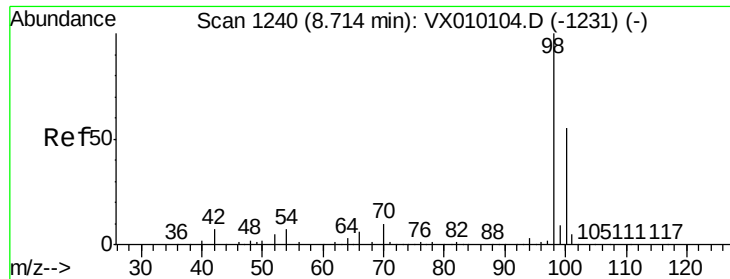
Ion Ratio Lower Upper

88 100

43 70.5 30.2 45.4#

58 12.1 64.0 96.0#





#50

Toluene-d8

Concen: 50.958 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

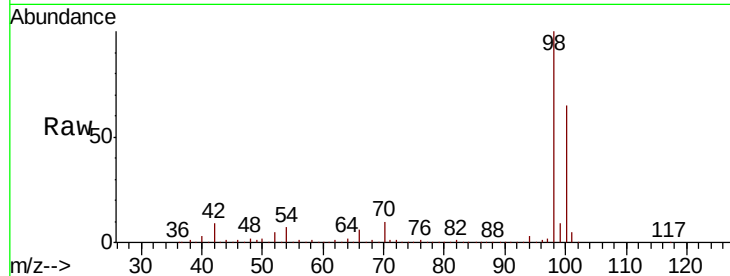
RE131D3-20190606

Tot Ion: 98 Resp: 561708

Ion Ratio Lower Upper

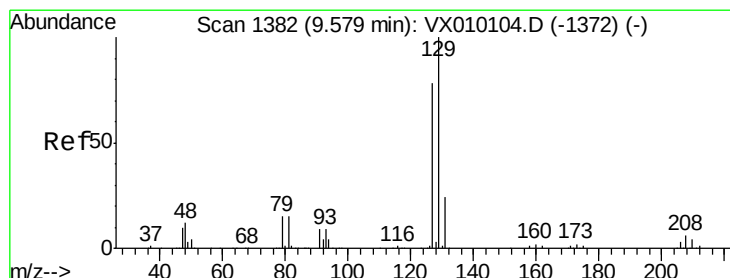
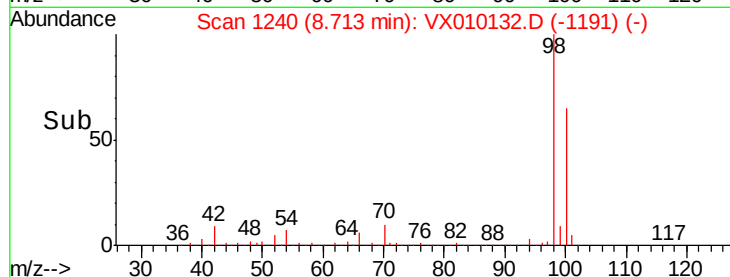
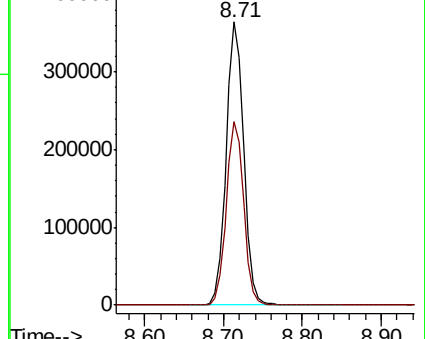
98 100

100 64.7 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#60

Dibromochloromethane

Concen: 3.914 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010132.D

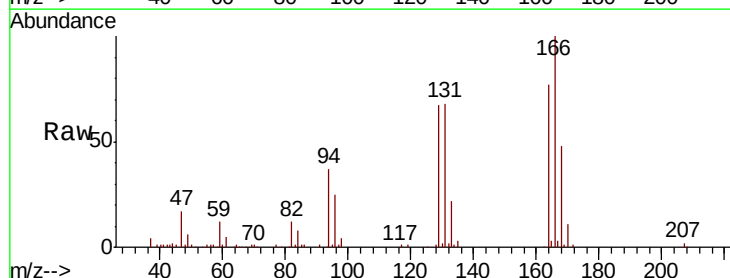
Acq: 08 Jun 2019 00:28

Tgt Ion:129 Resp: 14991

Ion Ratio Lower Upper

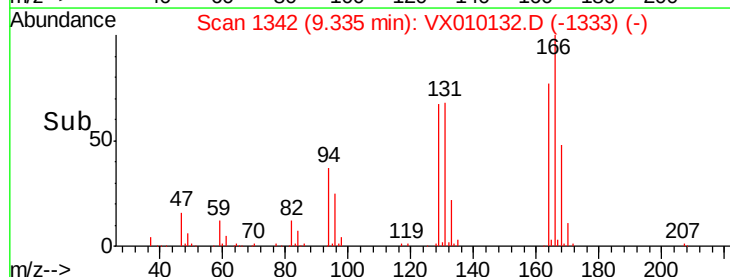
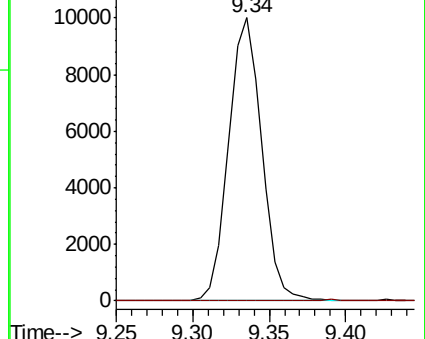
129 100

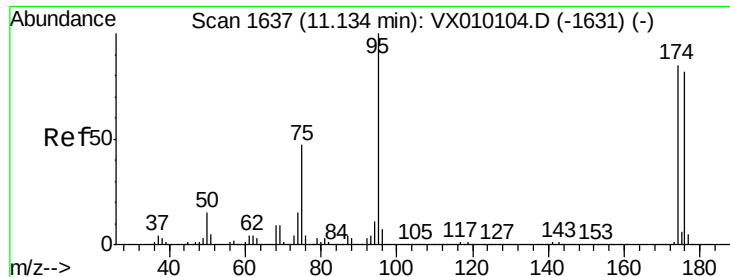
127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

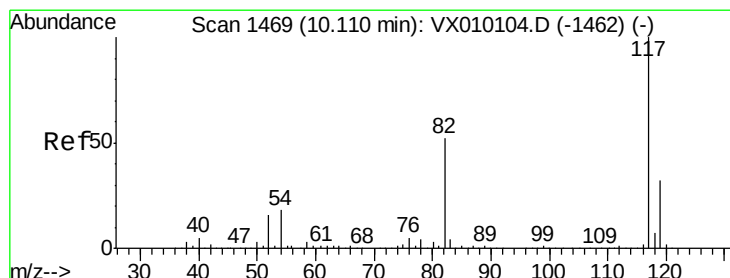
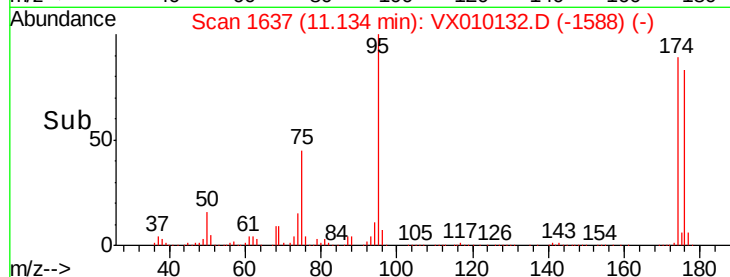
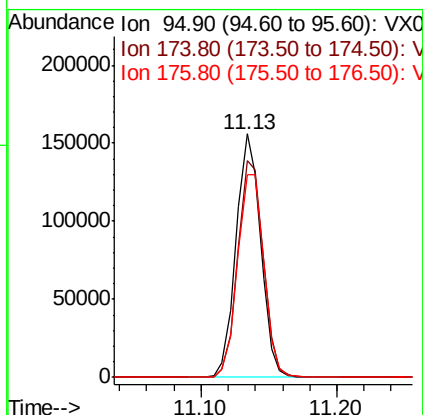
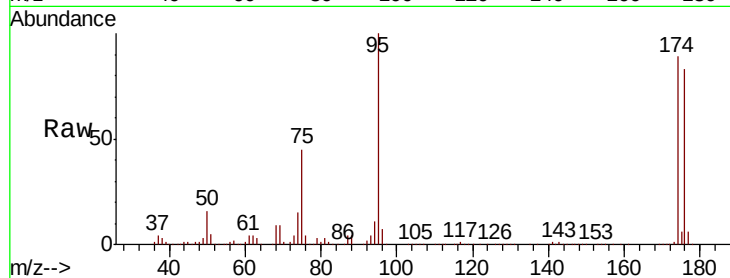




#62
4-Bromofluorobenzene
Concen: 47.909 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

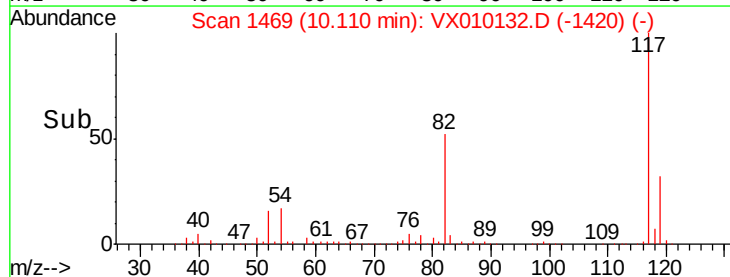
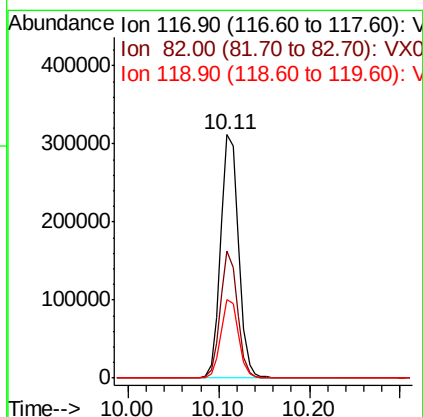
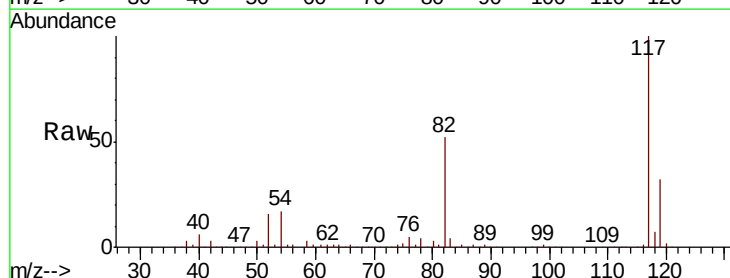
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190606

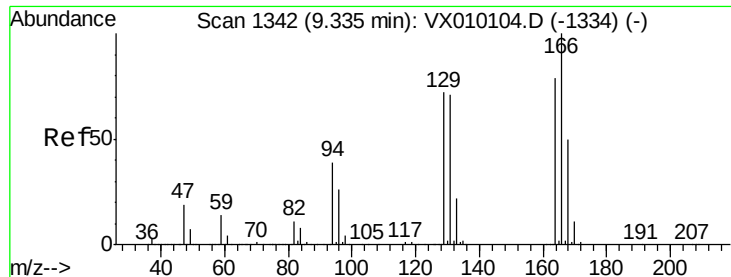
Tot Ion: 95 Resp: 197222
Ion Ratio Lower Upper
95 100
174 91.9 0.0 160.4
176 89.2 0.0 154.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

Tgt Ion: 117 Resp: 431307
Ion Ratio Lower Upper
117 100
82 52.2 49.2 73.8
119 32.1 25.2 37.8

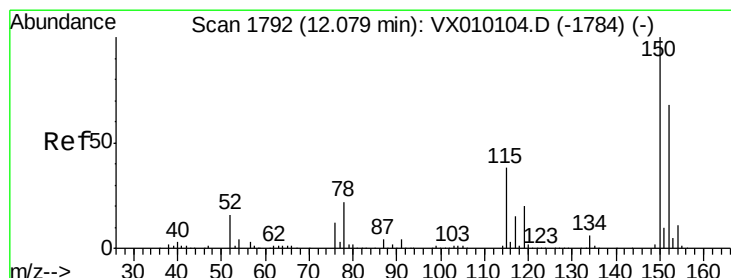
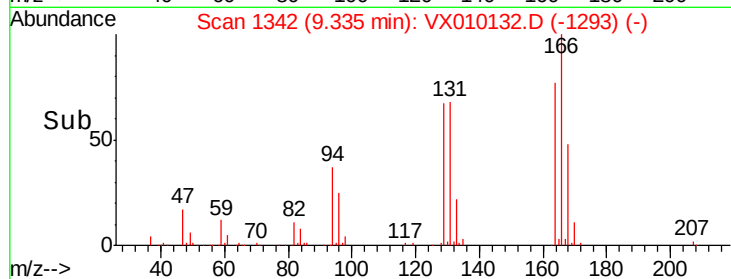
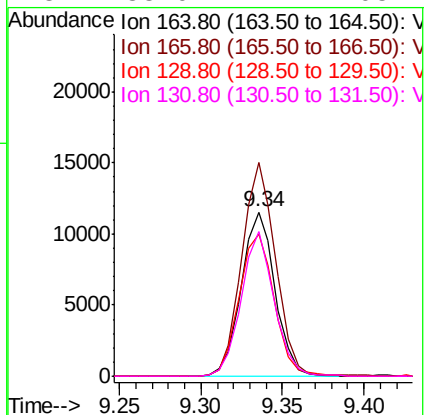
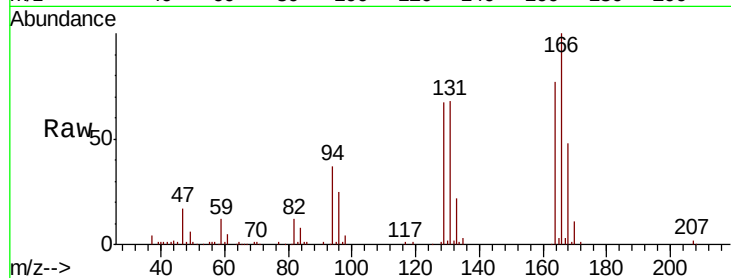




#64
Tetrachloroethene
Concen: 5.196 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

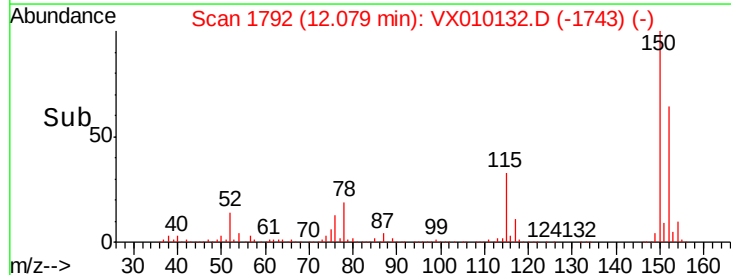
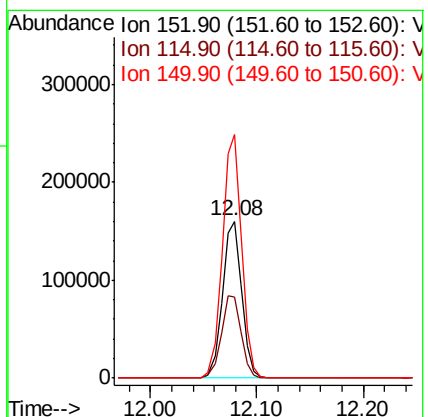
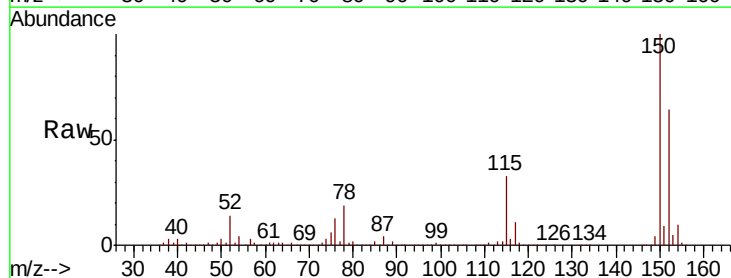
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190606

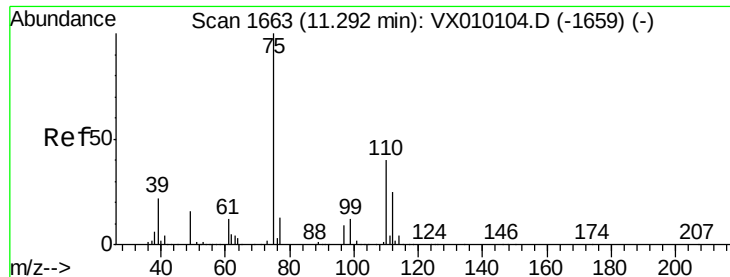
Tot Ion:164 Resp: 16645
Ion Ratio Lower Upper
164 100
166 129.8 105.0 157.4
129 86.5 75.1 112.7
131 88.0 72.2 108.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010132.D
Acq: 08 Jun 2019 00:28

Tgt Ion:152 Resp: 201866
Ion Ratio Lower Upper
152 100
115 54.0 41.4 124.2
150 155.1 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 21.834 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

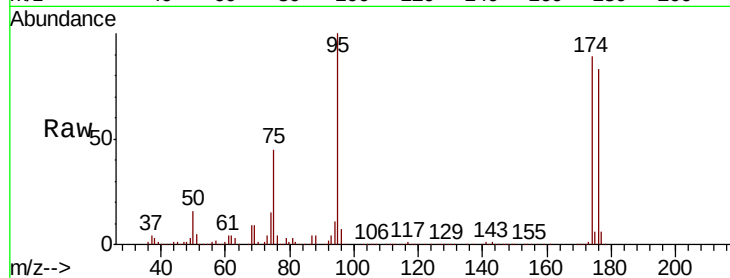
RE131D3-20190606

Tot Ion: 75 Resp: 88159

Ion Ratio Lower Upper

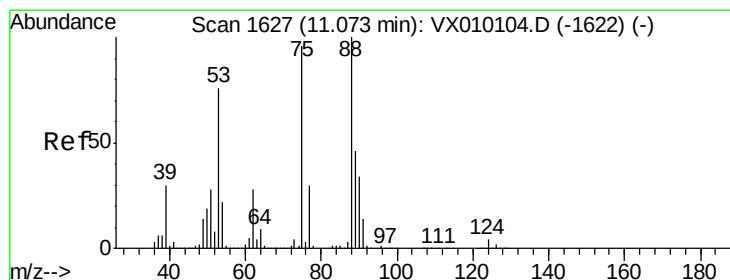
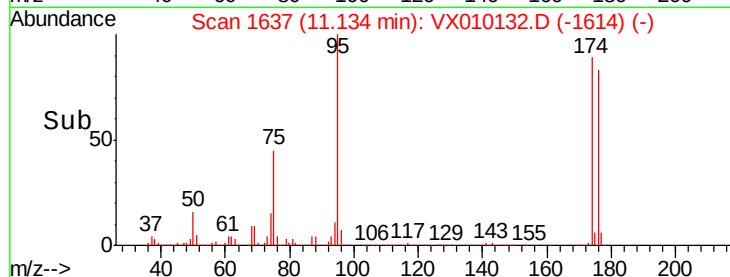
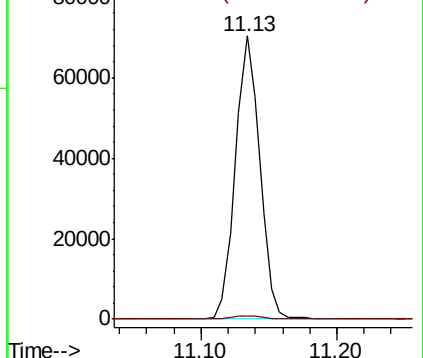
75 100

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: 48.240 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010132.D

Acq: 08 Jun 2019 00:28

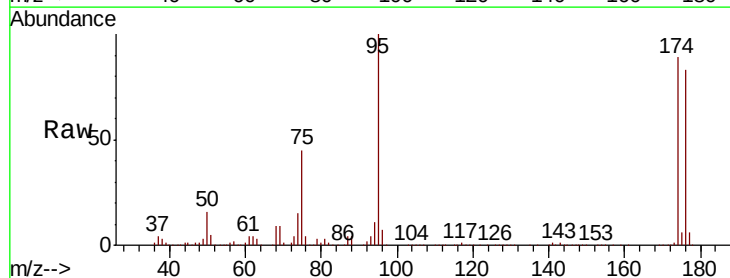
Tgt Ion: 75 Resp: 88159

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#



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

