

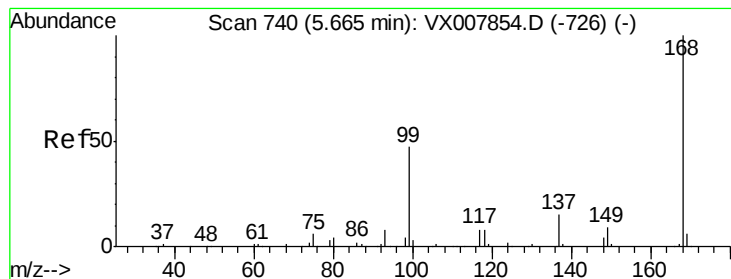
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX030819\
 Data File : VX007951.D
 Acq On : 09 Mar 2019 00:28
 Operator : JC/SP
 Sample : K1793-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190305

Quant Time: Mar 09 03:56:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X030619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 07 07:33:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	271697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	428500	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	401943	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	192472	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	148527	51.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.64%	
35) Dibromofluoromethane	5.50	113	137033	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.71	98	513501	51.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.13	95	188836	53.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.20	85	504	0.217	ug/l	97
5) Bromomethane	1.64	94	181	Below Cal		94
6) Chloroethane	1.56	64	3356	1.700	ug/l #	63
9) 1,1,2-Trichlorotrifluoroet	2.39	101	508285	211.951	ug/l	100
11) Tert butyl alcohol	3.02	59	940	1.467	ug/l #	73
12) 1,1-Dichloroethene	2.38	96	3038	1.314	ug/l #	77
13) Acrolein	2.22	56	19	1.593	ug/l #	1
16) Acetone	2.45	43	3424	2.064	ug/l	92
17) Carbon Disulfide	2.57	76	887	Below Cal	#	65
18) Methyl Acetate	2.78	43	4967	1.409	ug/l	97
20) Methylene Chloride	2.86	84	800	0.303	ug/l #	94
27) cis-1,2-Dichloroethene	4.60	96	1869	0.642	ug/l	93
31) Cyclohexane	5.66	56	4226	0.960	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	16853	4.344	ug/l #	49
38) Carbon Tetrachloride	5.79	117	760	0.206	ug/l #	69
44) Trichloroethene	7.21	130	40969	12.870	ug/l	97
49) 1,4-Dioxane	7.76	88	251	3.411	ug/l #	32
60) Dibromochloromethane	9.34	129	11976	4.014	ug/l #	11
64) Tetrachloroethene	9.34	164	13921	4.179	ug/l	94
76) 1,2,3-Trichloropropane	11.13	75	86399	21.392	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	86399	68.379	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007951.D

Acq: 09 Mar 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

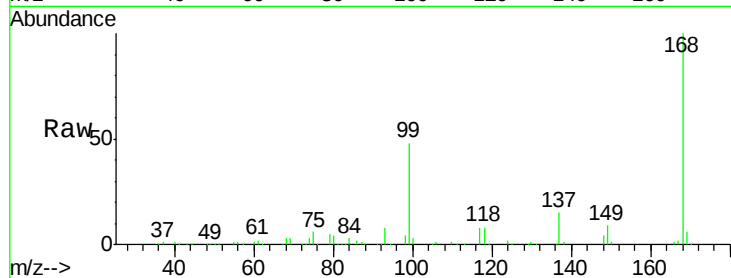
RE131D3-20190305

Tot Ion:168 Resp: 271697

Ion Ratio Lower Upper

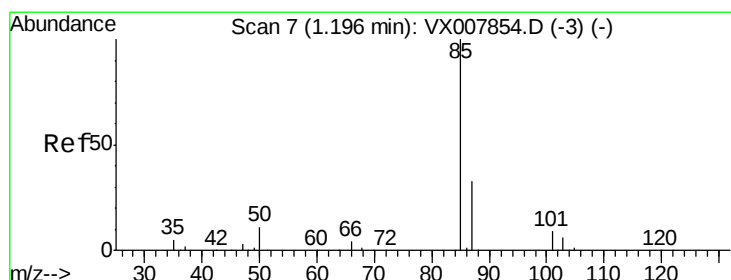
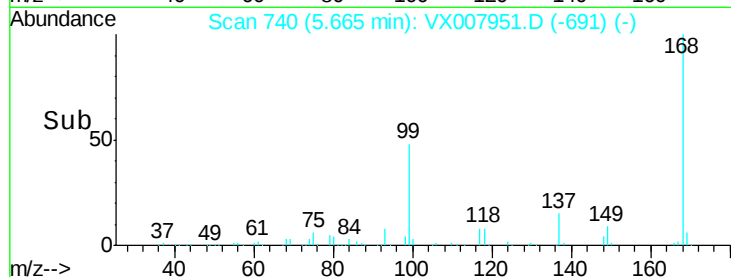
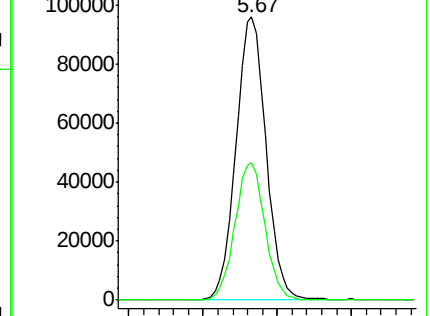
168 100

99 48.4 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.217 ug/l

RT: 1.20 min Scan# 8

Delta R.T. 0.01 min

Lab File: VX007951.D

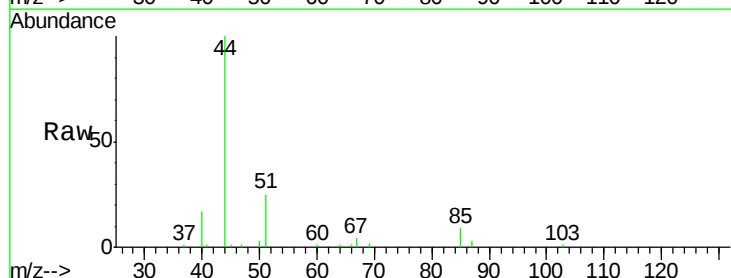
Acq: 09 Mar 2019 00:28

Tgt Ion: 85 Resp: 504

Ion Ratio Lower Upper

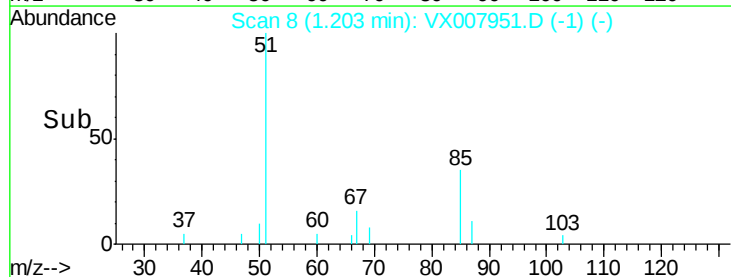
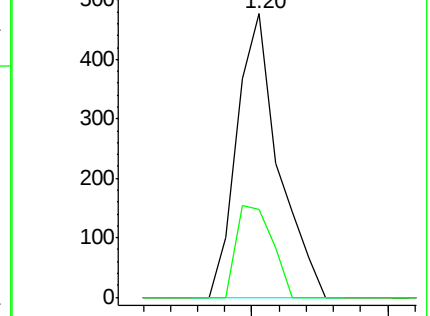
85 100

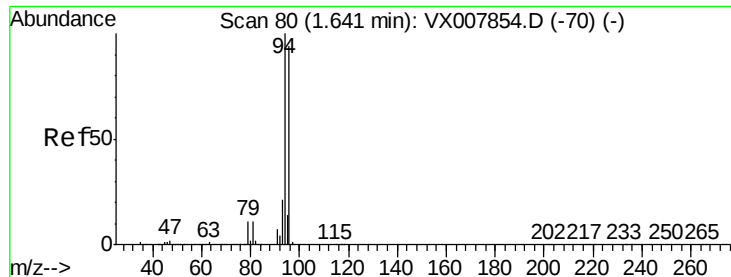
87 30.8 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX007951.D

Acq: 09 Mar 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

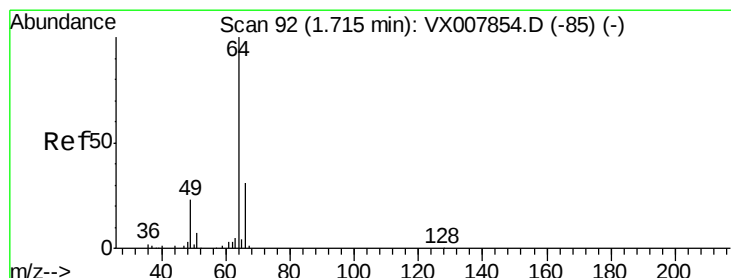
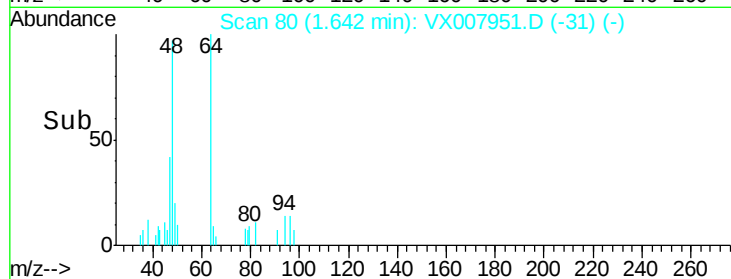
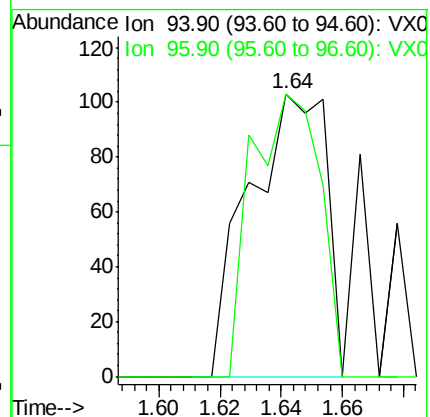
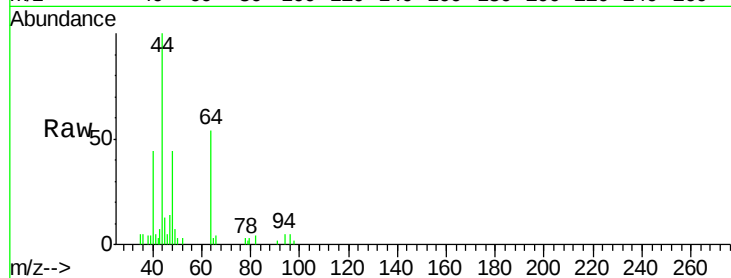
RE131D3-20190305

Tot Ion: 94 Resp: 181

Ion Ratio Lower Upper

94 100

96 100.0 75.5 113.3



#6

Chloroethane

Concen: 1.700 ug/l

RT: 1.56 min Scan# 66

Delta R.T. -0.16 min

Lab File: VX007951.D

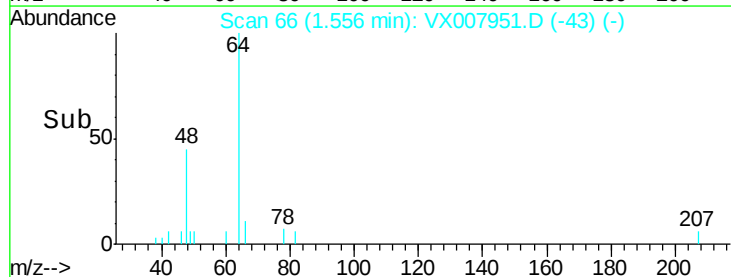
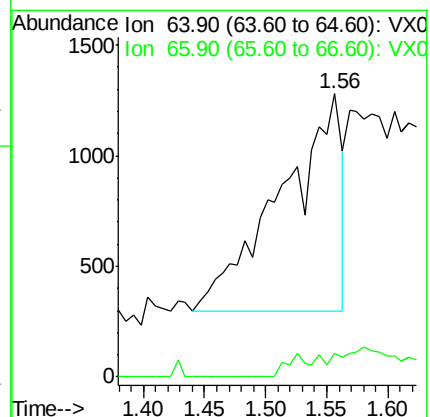
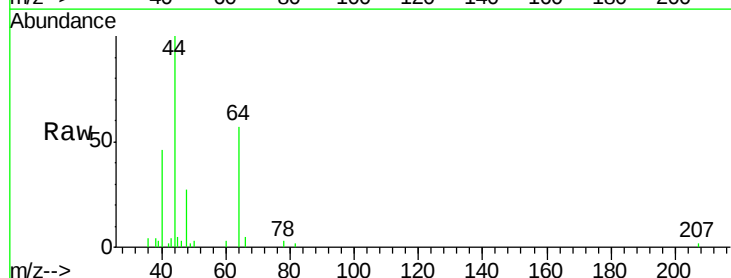
Acq: 09 Mar 2019 00:28

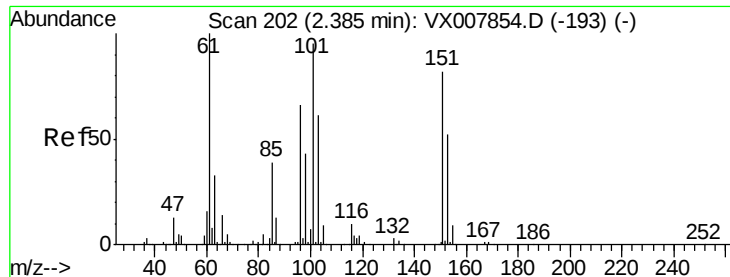
Tgt Ion: 64 Resp: 3356

Ion Ratio Lower Upper

64 100

66 10.8 25.2 37.8#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 211.951 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.00 min

Lab File: VX007951.D

Acq: 09 Mar 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305

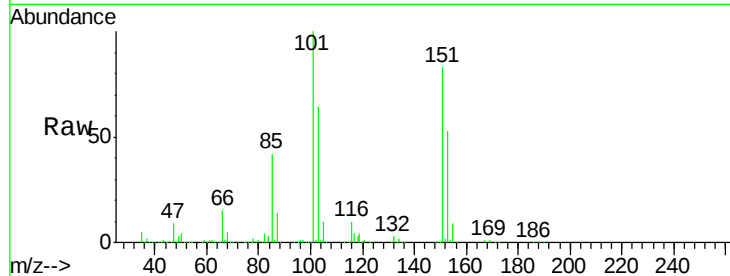
Tot Ion:101 Resp: 508285

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.6

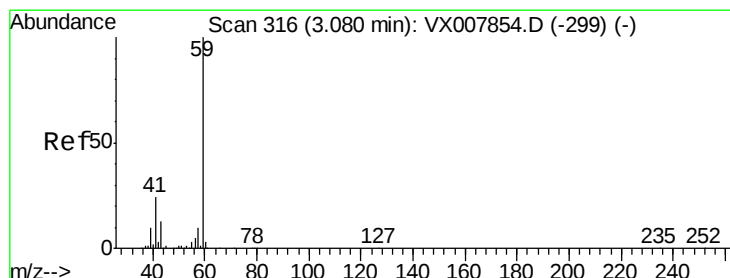
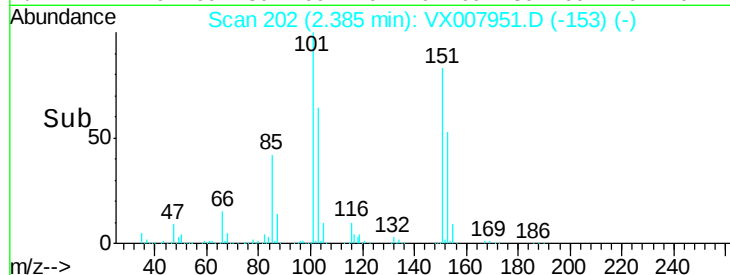
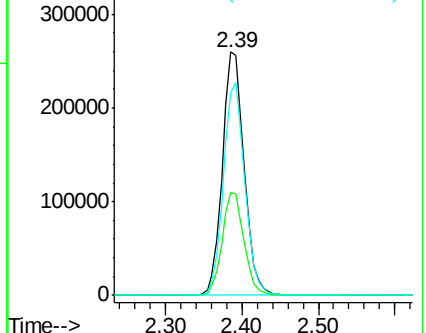
151 86.5 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 1.467 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.06 min

Lab File: VX007951.D

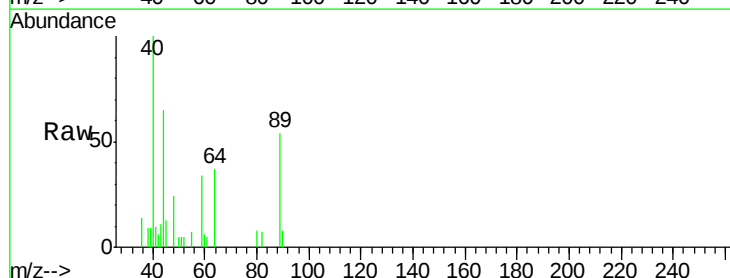
Acq: 09 Mar 2019 00:28

Tgt Ion: 59 Resp: 940

Ion Ratio Lower Upper

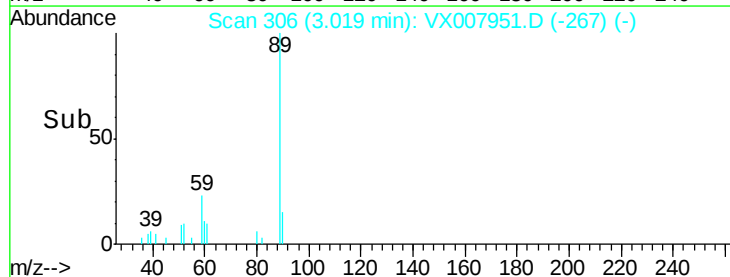
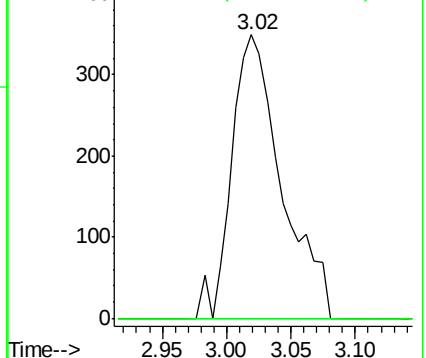
59 100

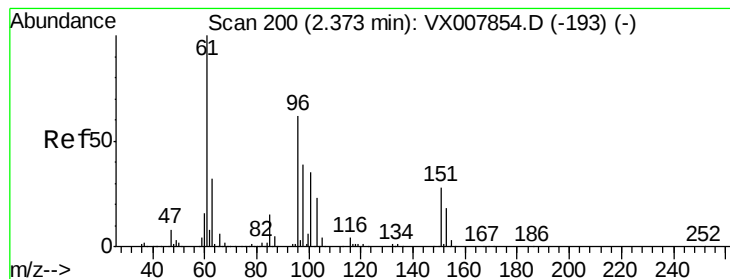
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 1.314 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX007951.D

Acq: 09 Mar 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305

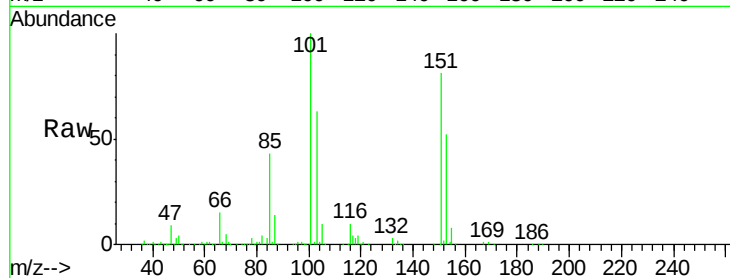
Tot Ion: 96 Resp: 3038

Ion Ratio Lower Upper

96 100

61 123.9 129.8 194.6#

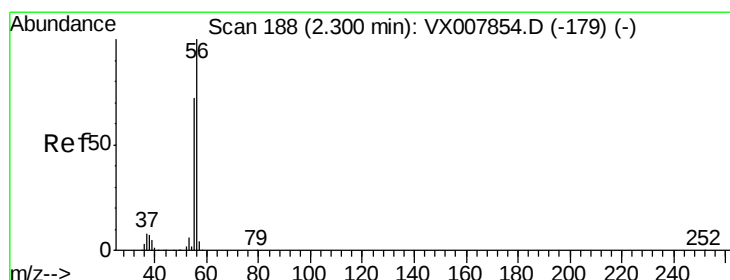
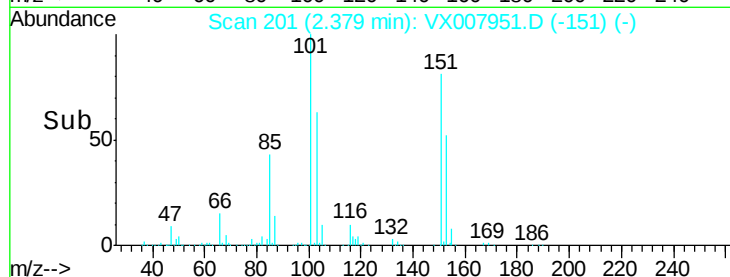
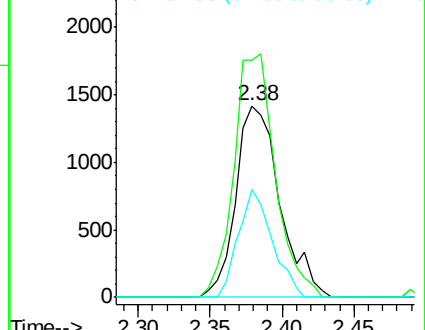
98 56.6 51.0 76.6



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



#13

Acrolein

Concen: 1.593 ug/l

RT: 2.22 min Scan# 175

Delta R.T. -0.08 min

Lab File: VX007951.D

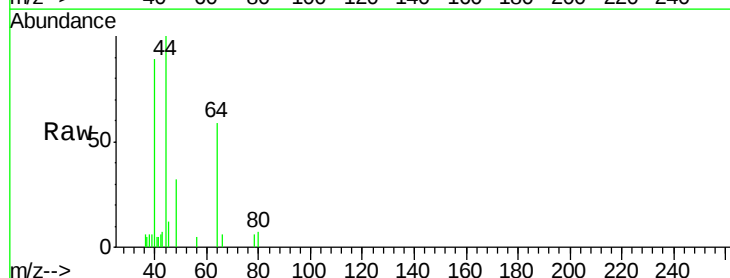
Acq: 09 Mar 2019 00:28

Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

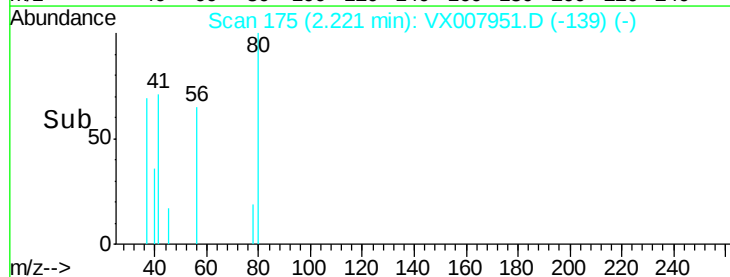
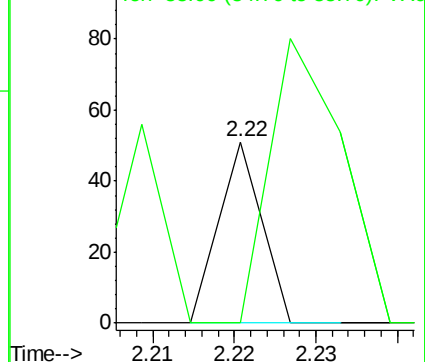
56 100

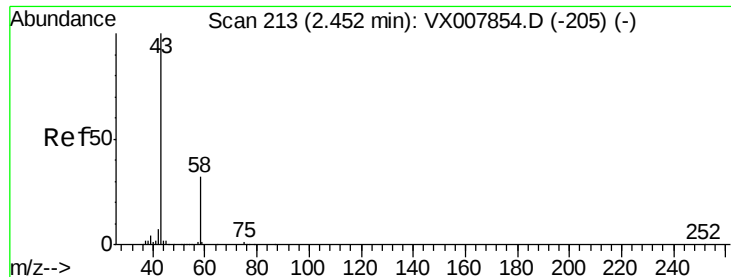
55 257.9 57.8 86.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 2.064 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.01 min

Lab File: VX007951.D

Acq: 09 Mar 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

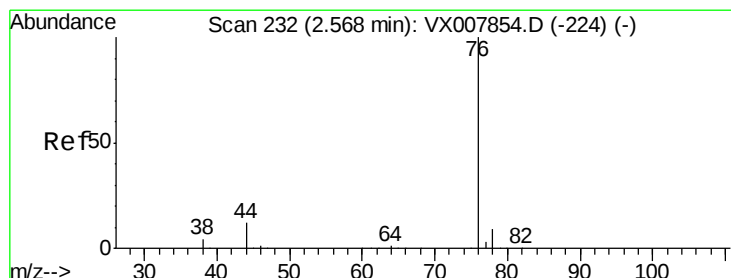
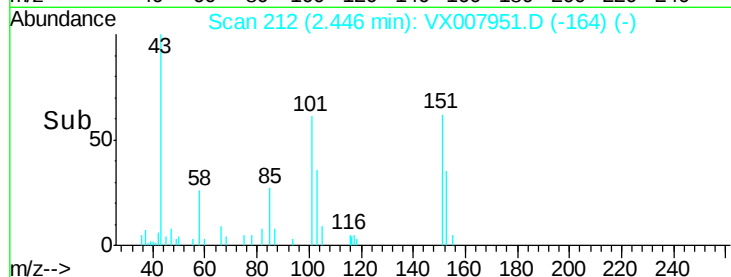
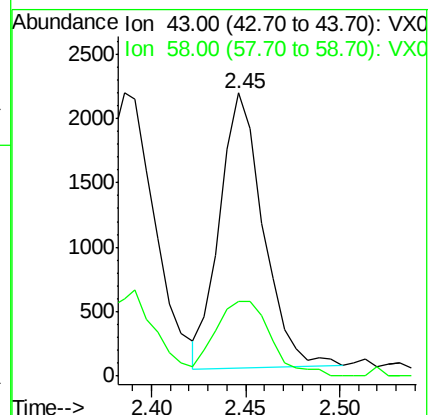
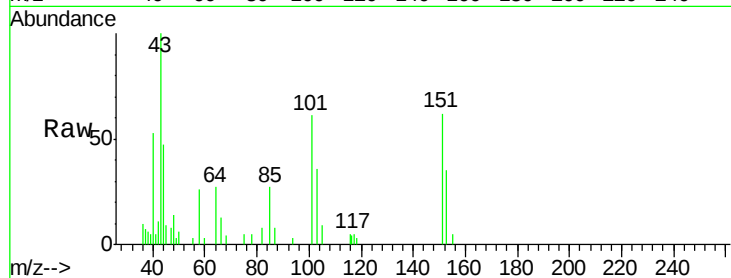
RE131D3-20190305

Tot Ion: 43 Resp: 3424

Ion Ratio Lower Upper

43 100

58 27.5 25.5 38.3



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX007951.D

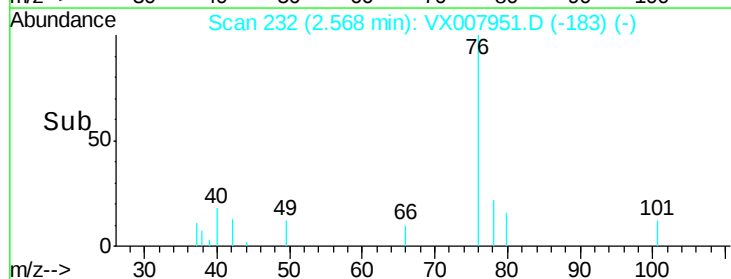
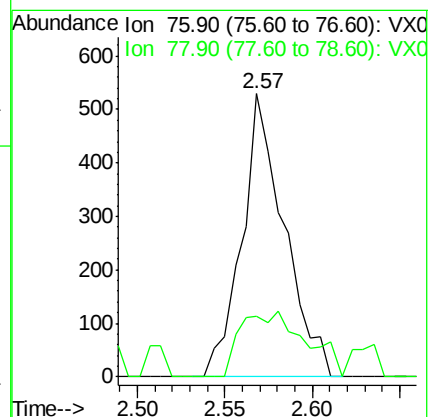
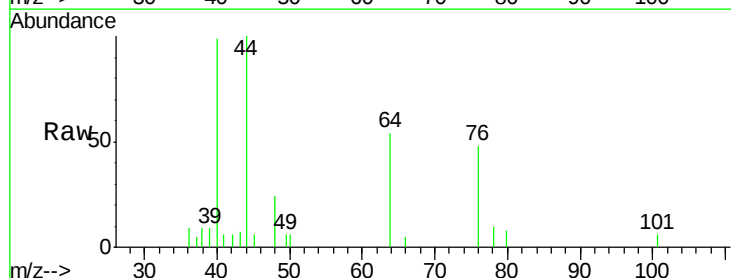
Acq: 09 Mar 2019 00:28

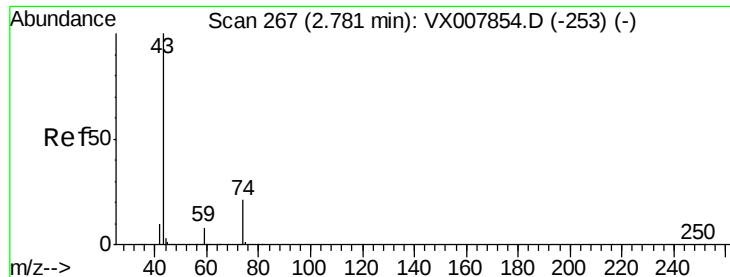
Tgt Ion: 76 Resp: 887

Ion Ratio Lower Upper

76 100

78 21.6 7.2 10.8#

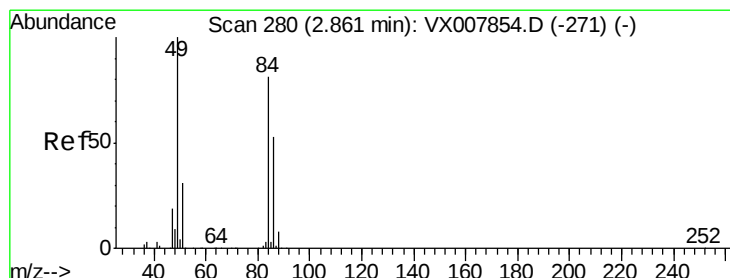
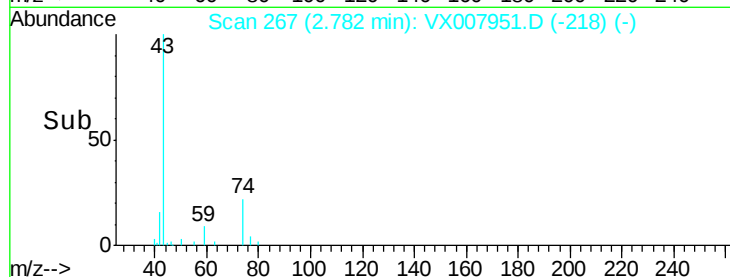
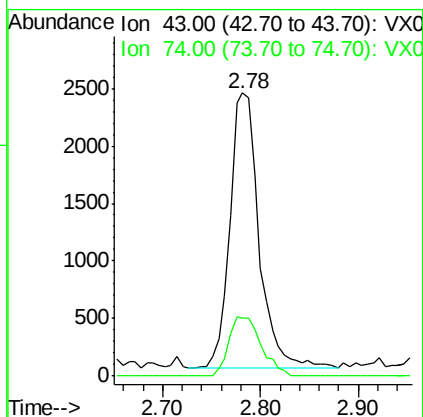
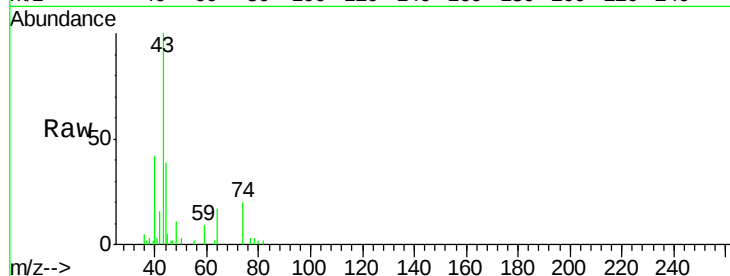




#18
Methyl Acetate
Concen: 1.409 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.00 min
Lab File: VX007951.D
Acq: 09 Mar 2019 00:28

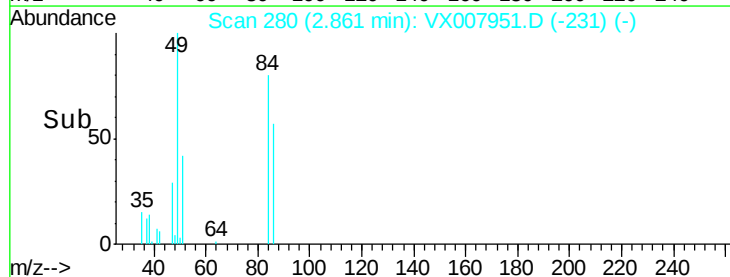
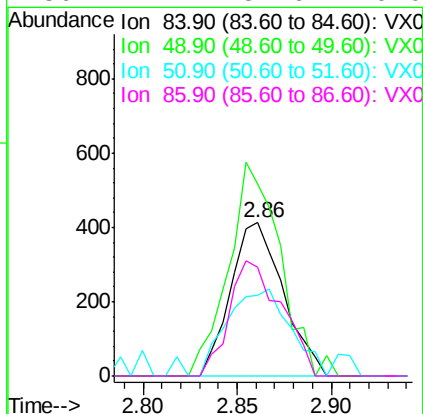
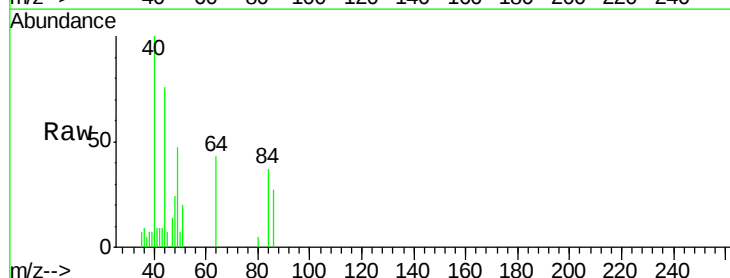
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190305

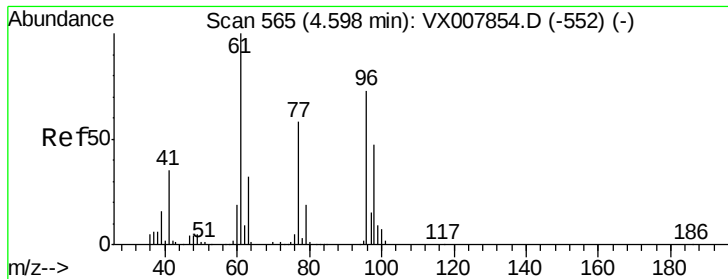
Tot Ion: 43 Resp: 4967
Ion Ratio Lower Upper
43 100
74 23.7 17.8 26.6



#20
Methylene Chloride
Concen: 0.303 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007951.D
Acq: 09 Mar 2019 00:28

Tgt Ion: 84 Resp: 800
Ion Ratio Lower Upper
84 100
49 124.9 99.3 148.9
51 52.3 31.3 46.9#
86 71.2 52.6 79.0



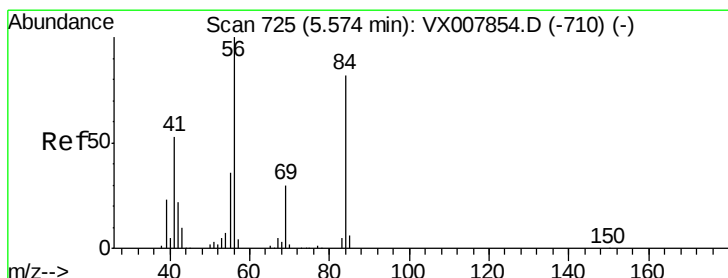
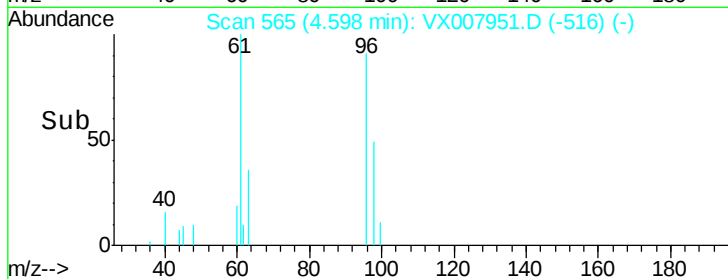
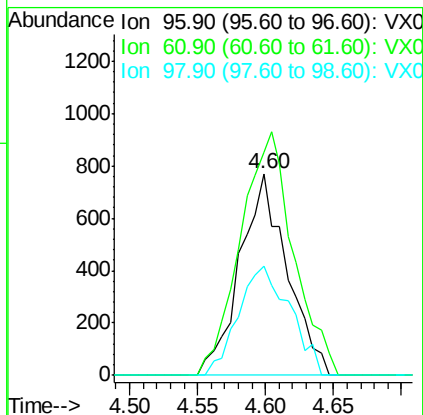
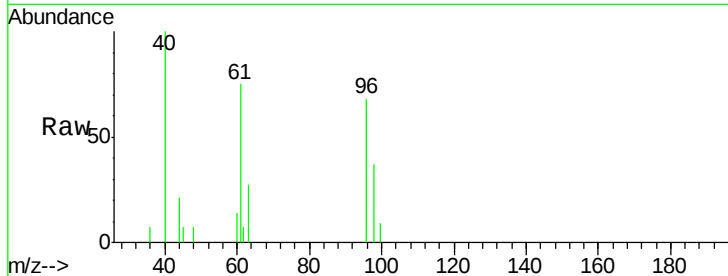


#27

cis-1,2-Dichloroethene
 Concen: 0.642 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX007951.D
 Acq: 09 Mar 2019 00:28

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190305

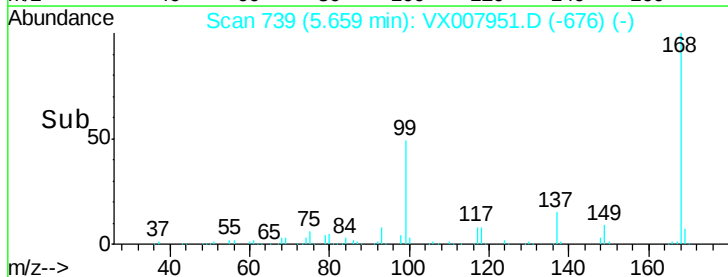
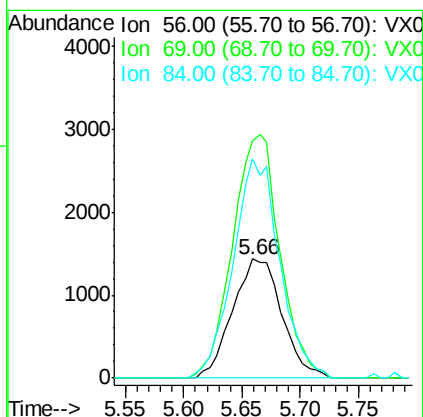
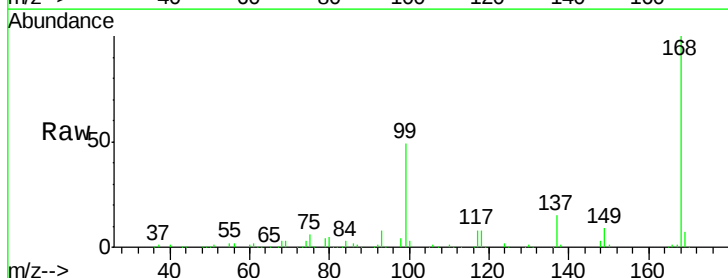
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	288.0
98	59.2	0.0	129.0

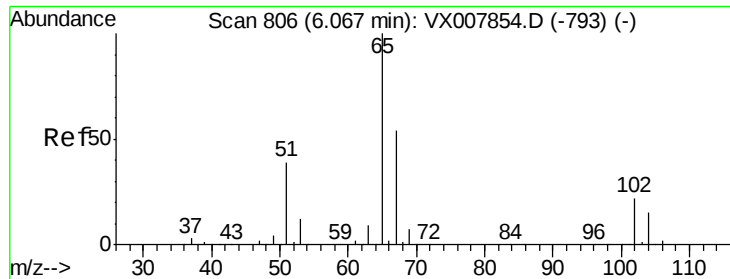


#31

Cyclohexane
 Concen: 0.960 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.09 min
 Lab File: VX007951.D
 Acq: 09 Mar 2019 00:28

Tgt Ion	Ratio	Lower	Upper
56	100		
69	199.1	24.0	36.0#
84	184.4	65.3	97.9#

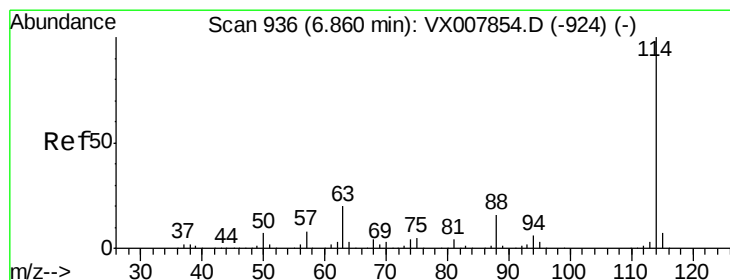
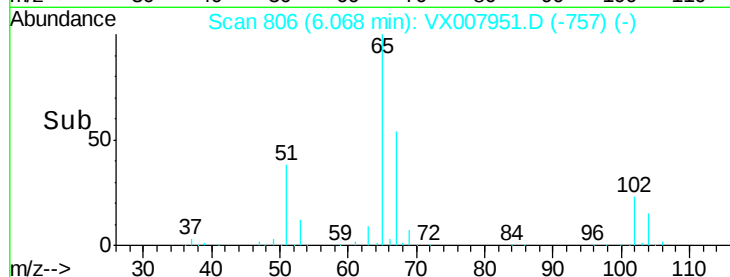
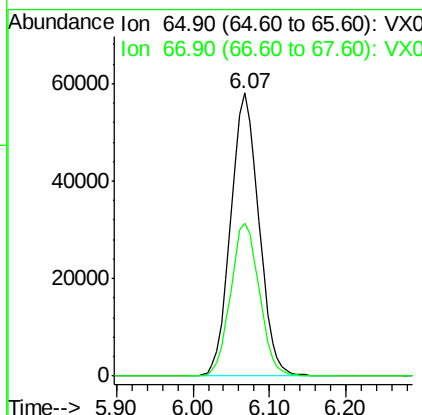
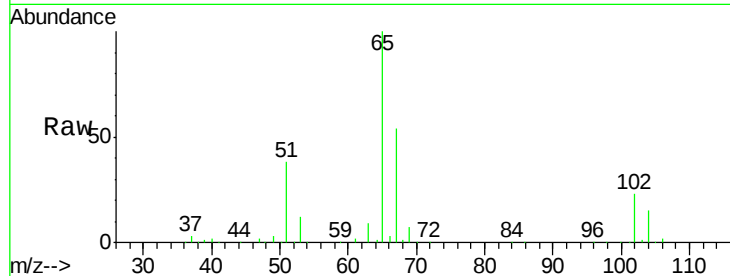




#33
 1,2-Dichloroethane-d4
 Concen: 51.821 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: VX007951.D
 Acq: 09 Mar 2019 00:28

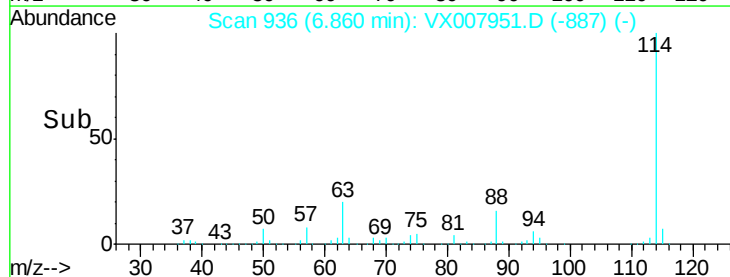
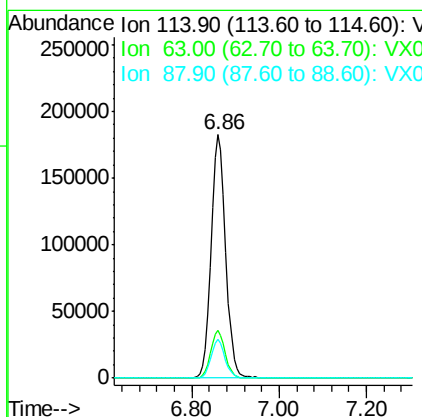
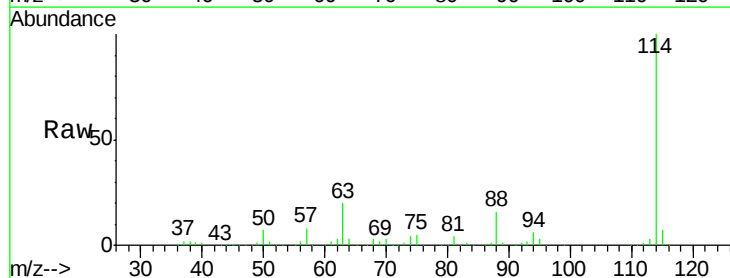
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190305

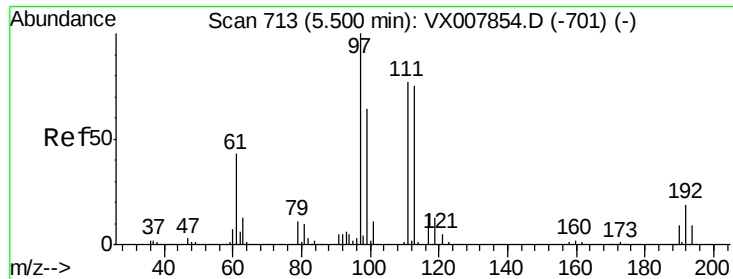
Tot Ion: 65 Resp: 148527
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007951.D
 Acq: 09 Mar 2019 00:28

Tgt Ion: 114 Resp: 428500
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 39.8
 88 15.8 0.0 31.4

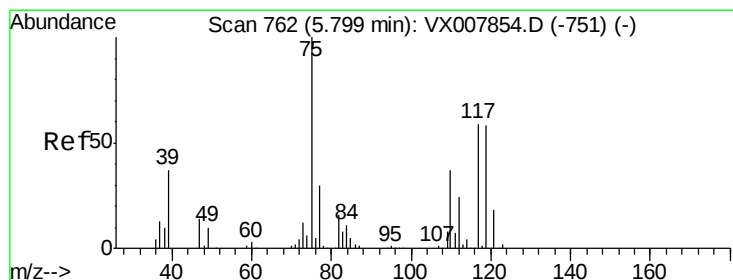
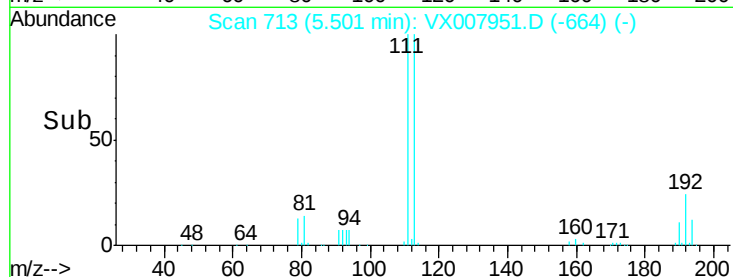
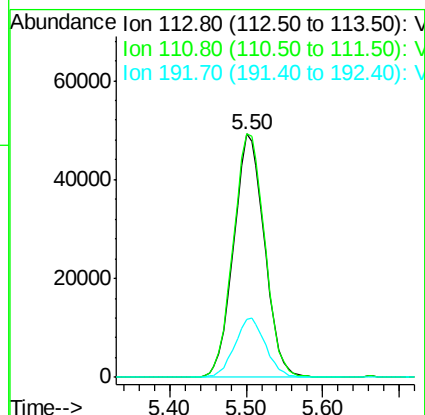
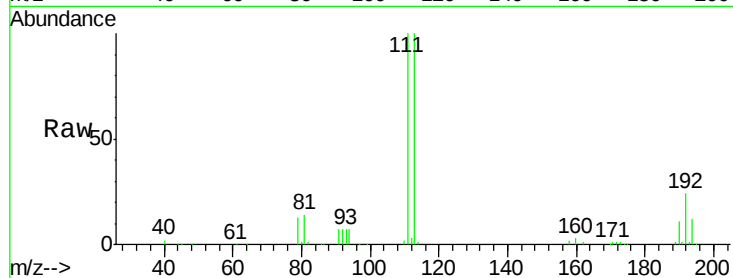




#35
 Dibromofluoromethane
 Concen: 49.994 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007951.D
 Acq: 09 Mar 2019 00:28

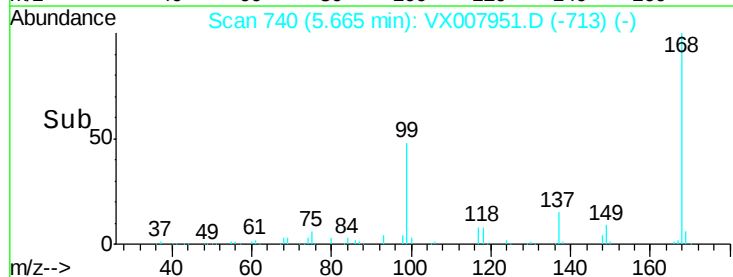
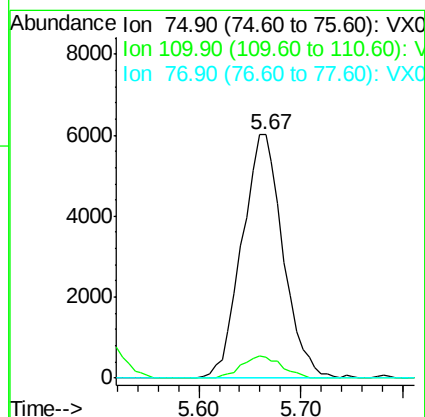
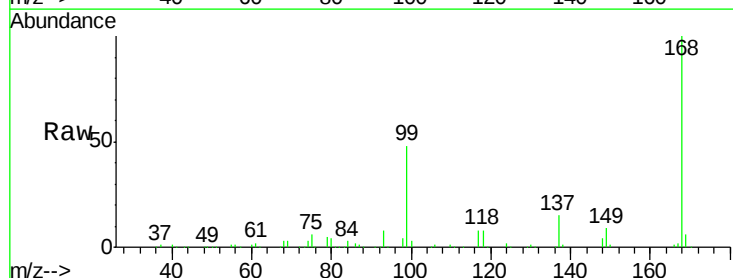
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190305

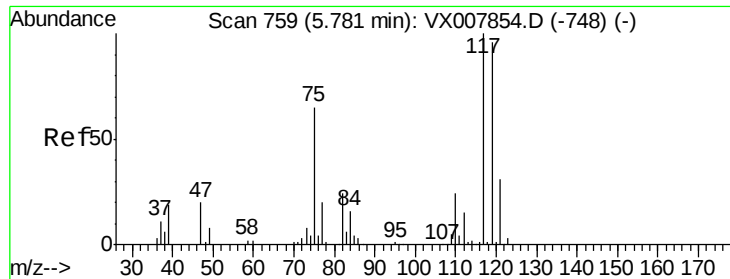
Tot Ion:113 Resp: 137033
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.4 122.0
 192 24.3 19.4 29.0



#36
 1,1-Dichloropropene
 Concen: 4.344 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007951.D
 Acq: 09 Mar 2019 00:28

Tgt Ion: 75 Resp: 16853
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.4 55.0#
 77 0.0 25.0 37.4#

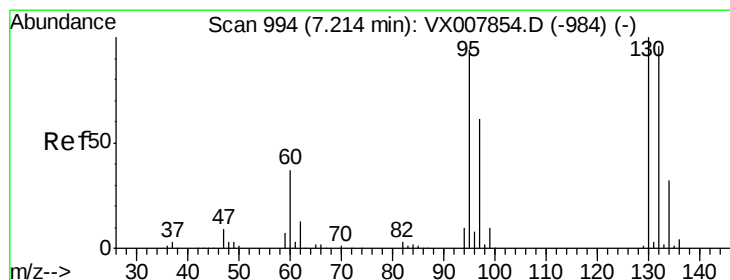
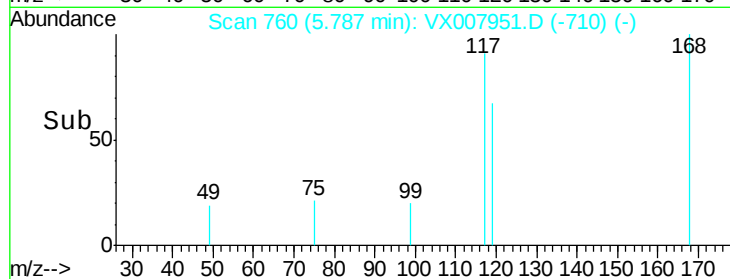
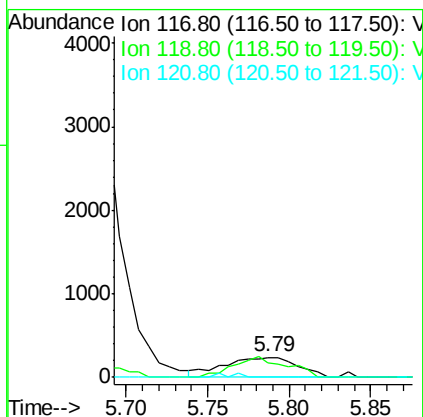
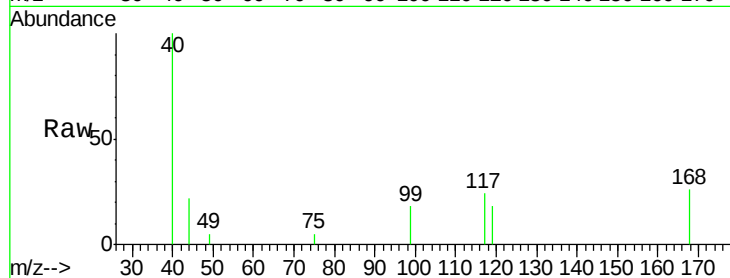




#38
Carbon Tetrachloride
Concen: 0.206 ug/l
RT: 5.79 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX007951.D
Acq: 09 Mar 2019 00:28

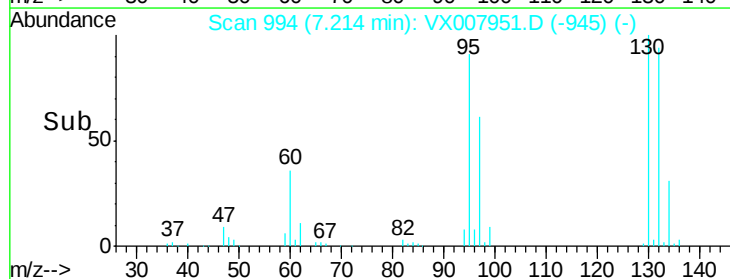
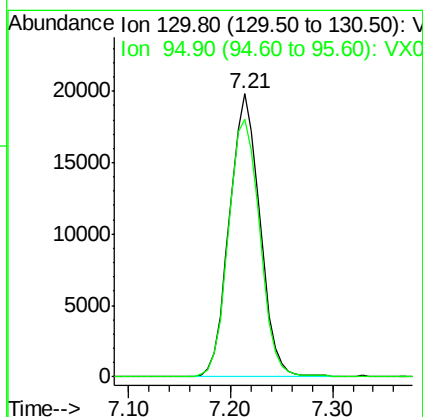
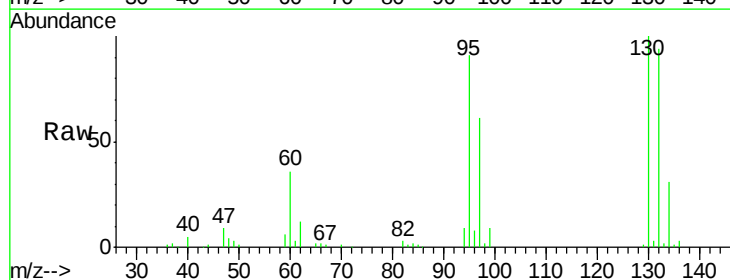
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190305

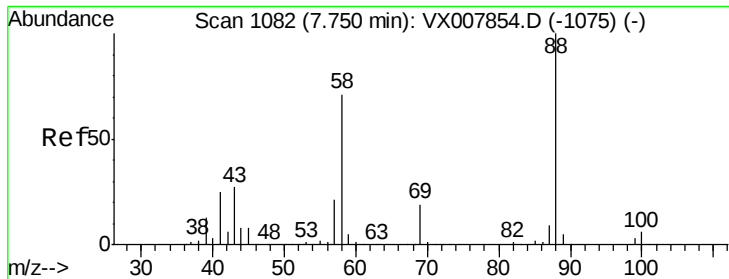
Tot Ion:117 Resp: 760
Ion Ratio Lower Upper
117 100
119 73.4 76.2 114.2#
121 0.0 24.6 36.8#



#44
Trichloroethene
Concen: 12.870 ug/l
RT: 7.21 min Scan# 994
Delta R.T. 0.00 min
Lab File: VX007951.D
Acq: 09 Mar 2019 00:28

Tgt Ion:130 Resp: 40969
Ion Ratio Lower Upper
130 100
95 91.2 0.0 188.0

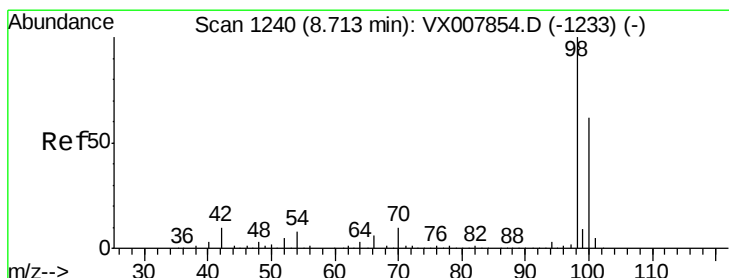
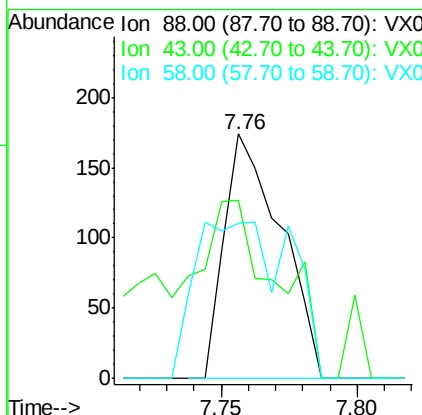
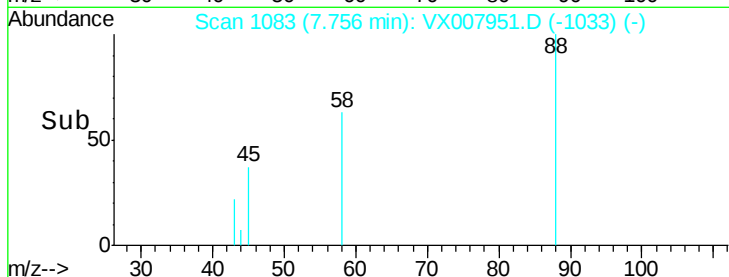
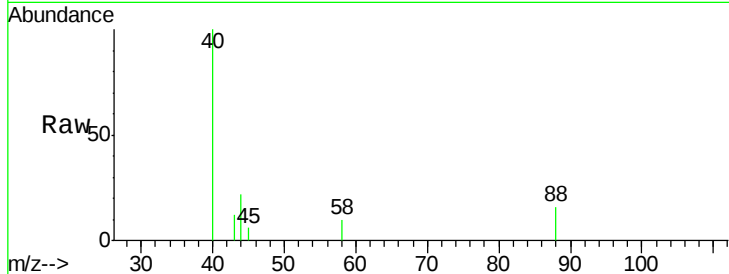




#49
 1,4-Dioxane
 Concen: 3.411 ug/l
 RT: 7.76 min Scan# 1083
 Delta R.T. 0.01 min
 Lab File: VX007951.D
 Acq: 09 Mar 2019 00:28

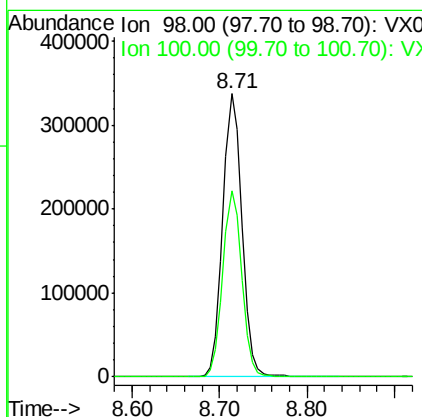
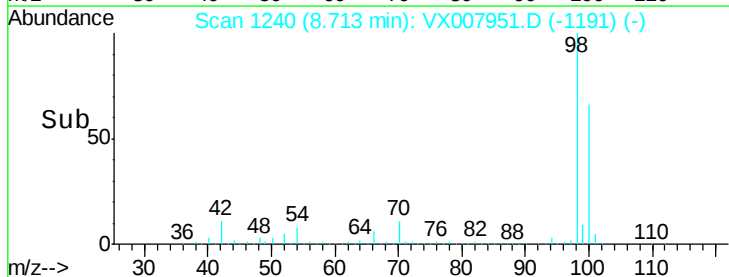
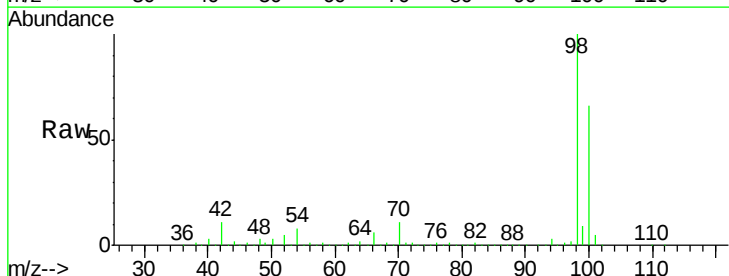
Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190305

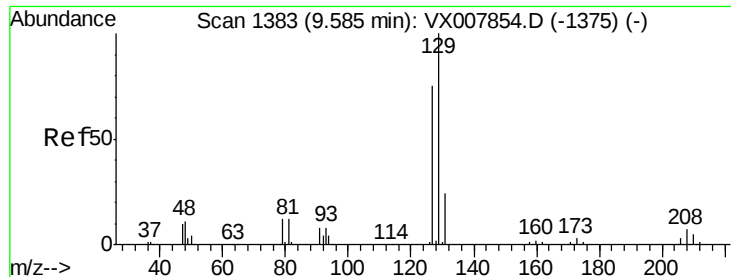
Tot Ion: 88 Resp: 251
 Ion Ratio Lower Upper
 88 100
 43 100.0 25.1 37.7#
 58 108.4 57.8 86.6#



#50
 Toluene-d8
 Concen: 51.012 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX007951.D
 Acq: 09 Mar 2019 00:28

Tgt Ion: 98 Resp: 513501
 Ion Ratio Lower Upper
 98 100
 100 65.6 51.7 77.5





#60

Dibromochloromethane

Concen: 4.014 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX007951.D

Acq: 09 Mar 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

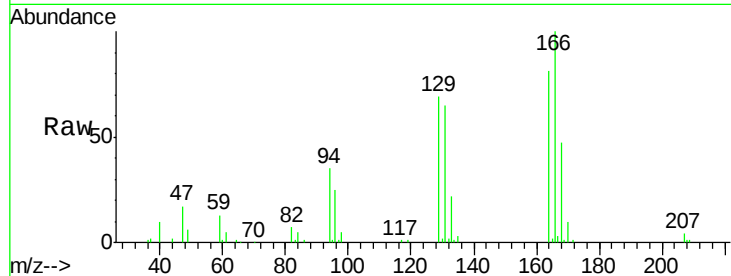
RE131D3-20190305

Tot Ion:129 Resp: 11976

Ion Ratio Lower Upper

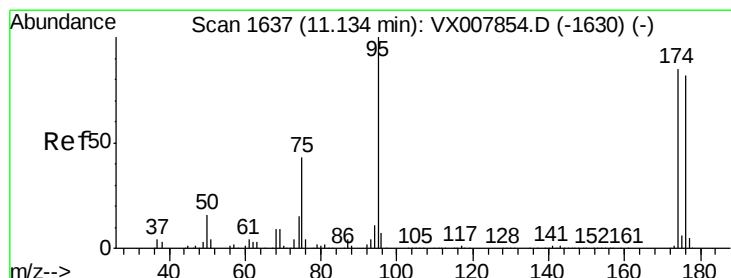
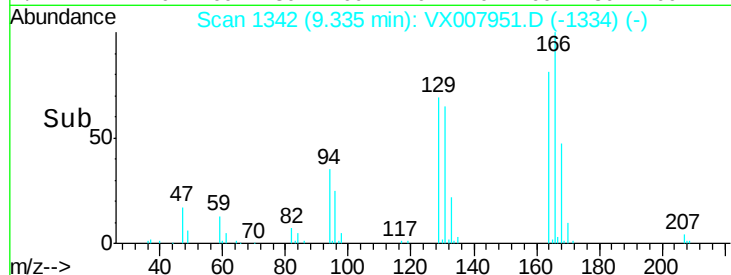
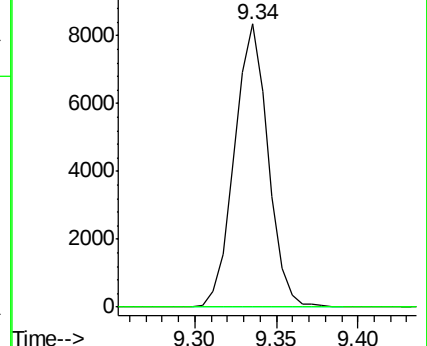
129 100

127 0.0 38.3 114.8#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 53.505 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007951.D

Acq: 09 Mar 2019 00:28

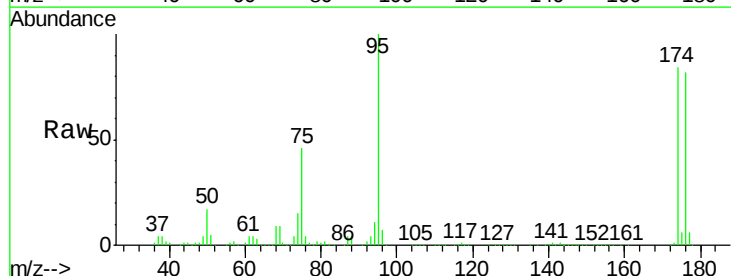
Tgt Ion: 95 Resp: 188836

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.8

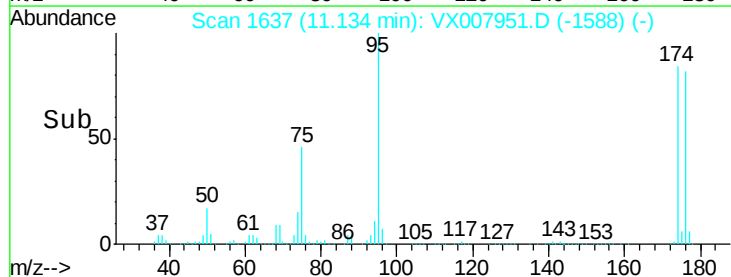
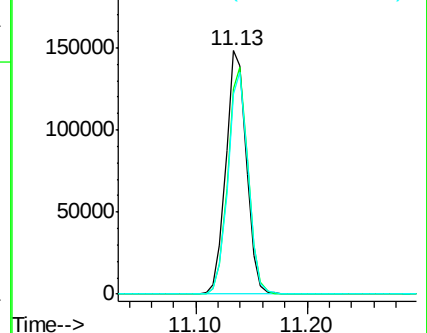
176 89.4 0.0 178.0

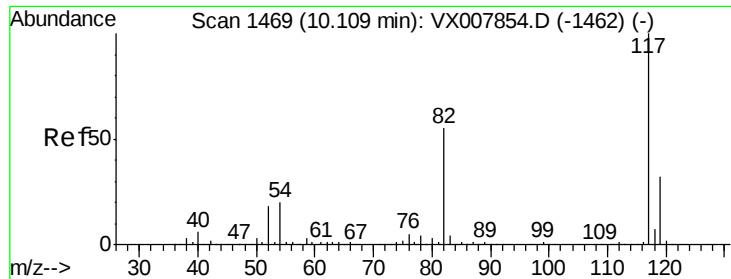


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

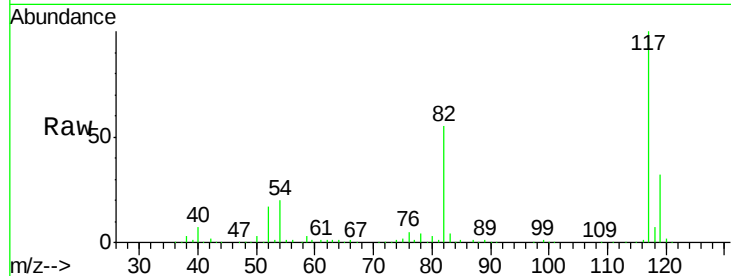




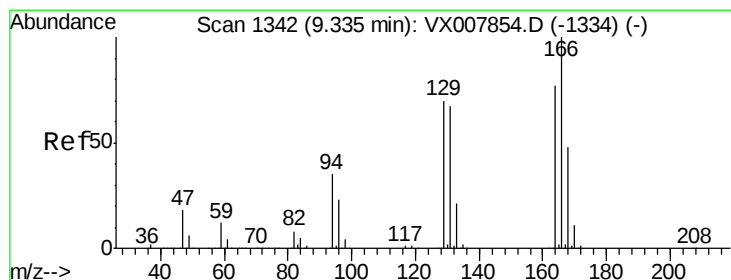
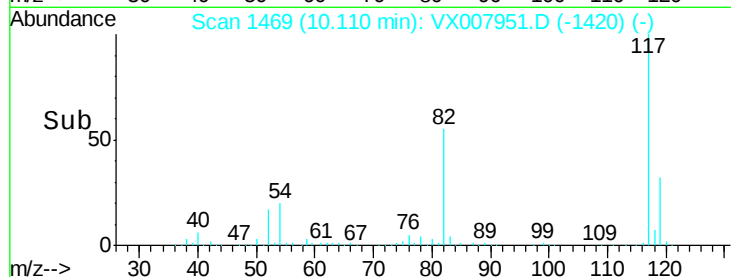
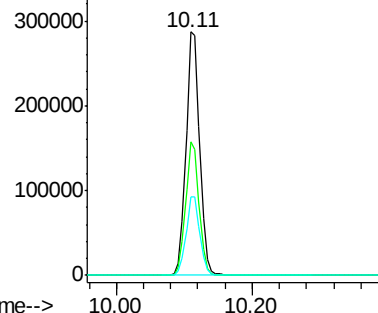
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007951.D
Acq: 09 Mar 2019 00:28

Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190305

Tot Ion:117 Resp: 401943
Ion Ratio Lower Upper
117 100
82 55.0 44.3 66.5
119 32.0 25.3 37.9



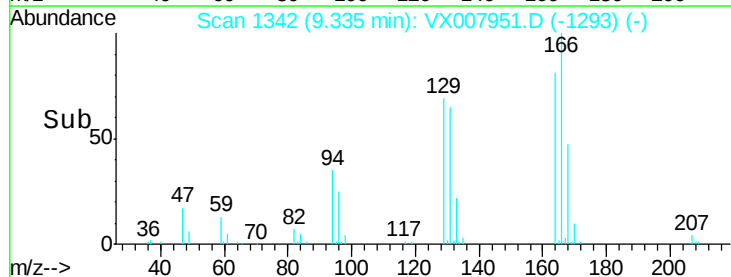
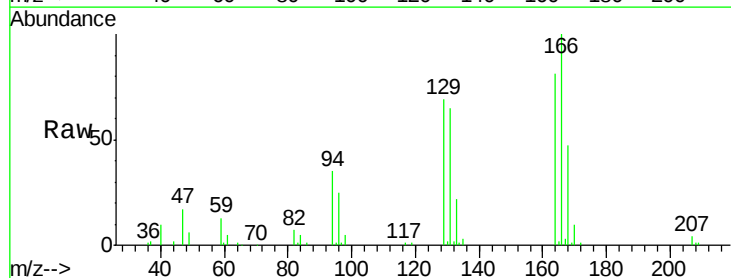
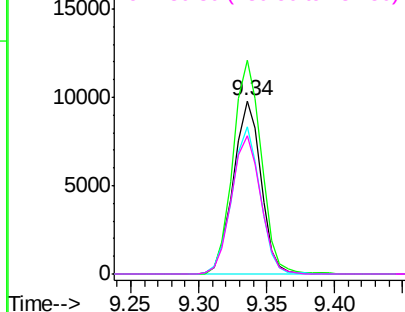
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

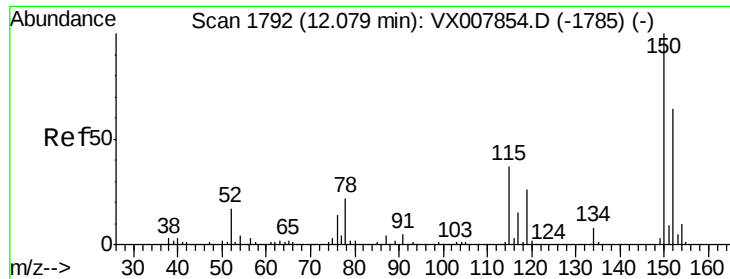


#64
Tetrachloroethene
Concen: 4.179 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX007951.D
Acq: 09 Mar 2019 00:28

Tgt Ion:164 Resp: 13921
Ion Ratio Lower Upper
164 100
166 123.3 103.4 155.0
129 85.1 72.2 108.4
131 79.9 69.4 104.2

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: VX007951.D

Acq: 09 Mar 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305

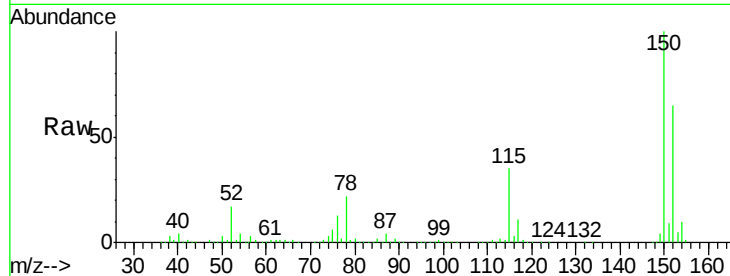
Tot Ion:152 Resp: 192472

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

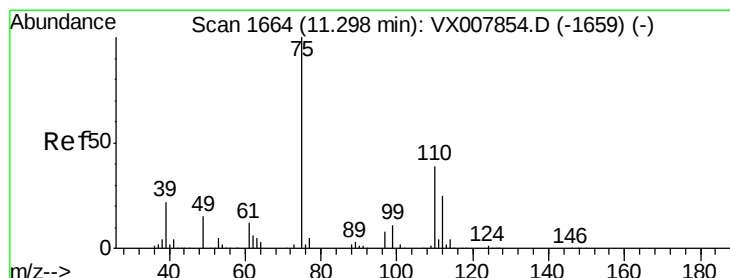
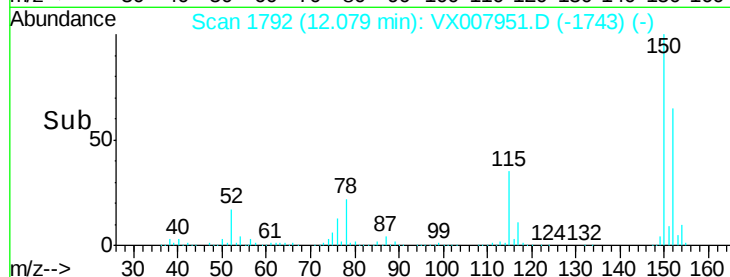
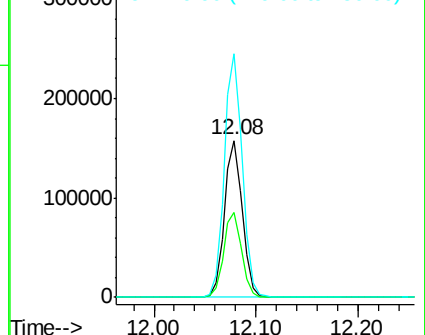
150 156.1 0.0 348.4



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: 21.392 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007951.D

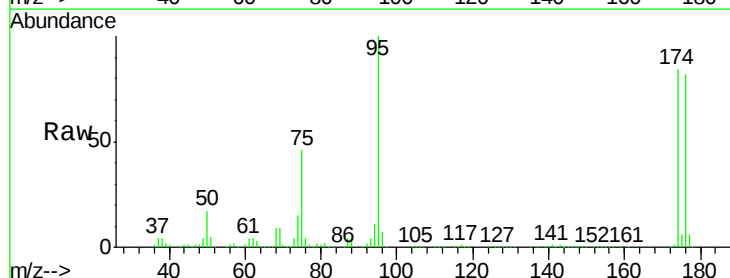
Acq: 09 Mar 2019 00:28

Tgt Ion: 75 Resp: 86399

Ion Ratio Lower Upper

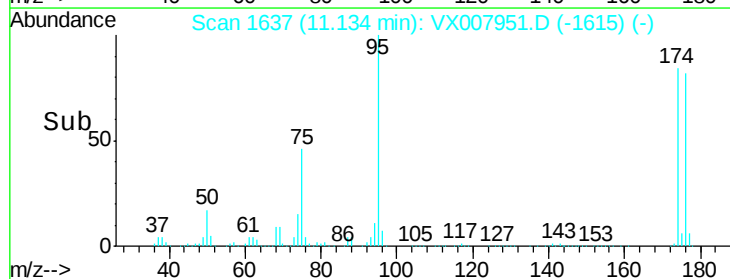
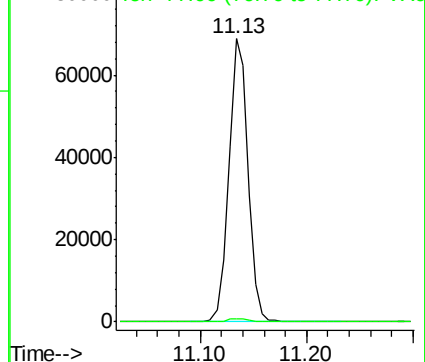
75 100

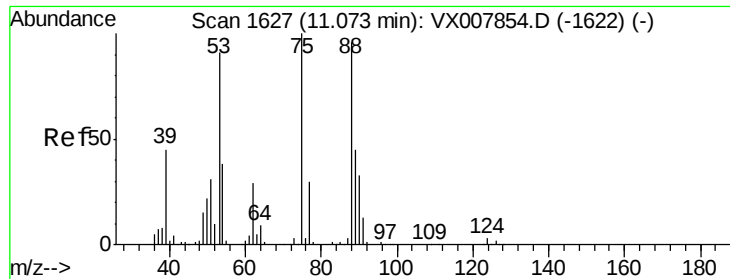
77 1.3 18.9 56.7#



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: 68.379 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007951.D

Acq: 09 Mar 2019 00:28

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190305

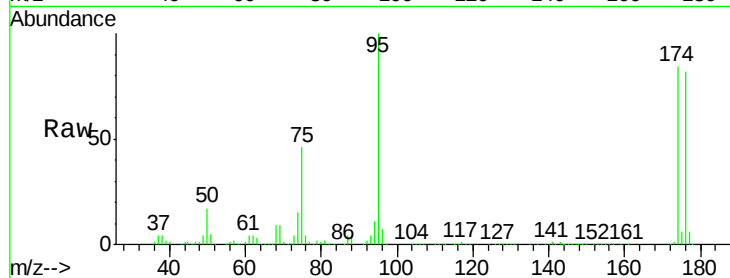
Tot Ion: 75 Resp: 86399

Ion Ratio Lower Upper

75 100

53 0.0 76.1 114.1#

89 0.0 36.3 54.5#



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

