

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100819\
 Data File : VX012907.D
 Acq On : 08 Oct 2019 23:16
 Operator : JC/SP
 Sample : K5154-20
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-10032019

Quant Time: Oct 09 03:45:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	172502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288124	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	250506	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99560	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	111620	51.77	ug/l	0.00
Spiked Amount			Recovery	=	103.54%	
35) Dibromofluoromethane	5.49	113	84956	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
50) Toluene-d8	8.71	98	342000	53.03	ug/l	0.00
Spiked Amount			Recovery	=	106.06%	
62) 4-Bromofluorobenzene	11.14	95	117729	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

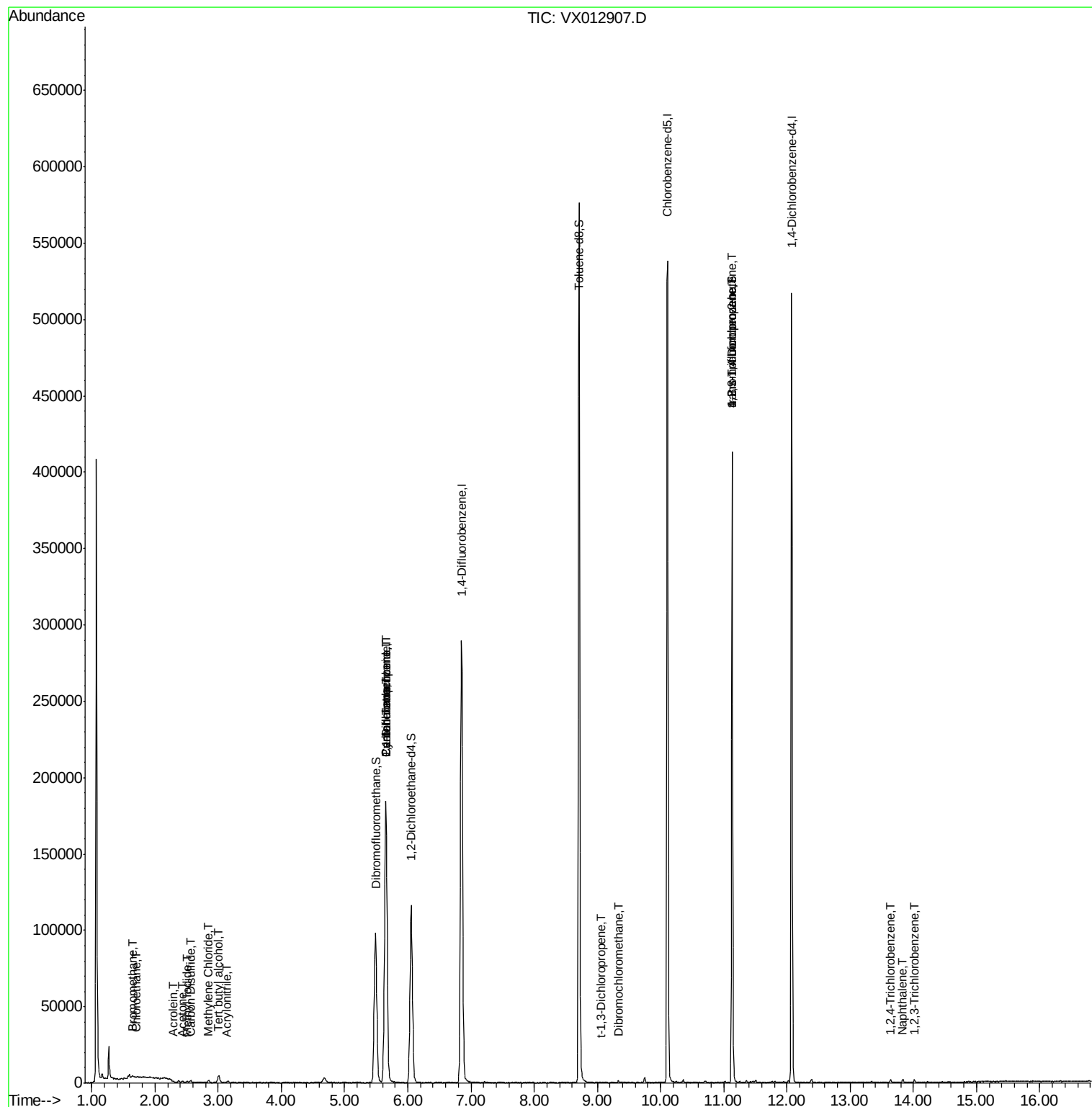
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	529	0.644	ug/l	85
6) Chloroethane	1.69	64	666	0.916	ug/l #	66
10) Methyl Iodide	2.51	142	554	5.336	ug/l #	86
11) Tert butyl alcohol	3.01	59	2865	5.013	ug/l #	74
13) Acrolein	2.29	56	115	0.283	ug/l #	25
15) Acrylonitrile	3.12	53	338	0.312	ug/l #	83
16) Acetone	2.43	43	415	0.365	ug/l #	48
17) Carbon Disulfide	2.56	76	1628	0.328	ug/l #	63
20) Methylene Chloride	2.84	84	610	0.292	ug/l #	61
31) Cyclohexane	5.65	56	4069	1.300	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13866	5.474	ug/l #	52
38) Carbon Tetrachloride	5.65	117	17472	7.086	ug/l #	16
53) t-1,3-Dichloropropene	9.04	75	133	2.210	ug/l #	1
60) Dibromochloromethane	9.34	129	99	1.902	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	60472	27.385	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	60472	68.752	ug/l #	10
93) 1,2,4-Trichlorobenzene	13.64	180	496	0.252	ug/l	83
95) Naphthalene	13.83	128	1525	0.224	ug/l #	90
96) 1,2,3-Trichlorobenzene	14.01	180	514	0.253	ug/l	88

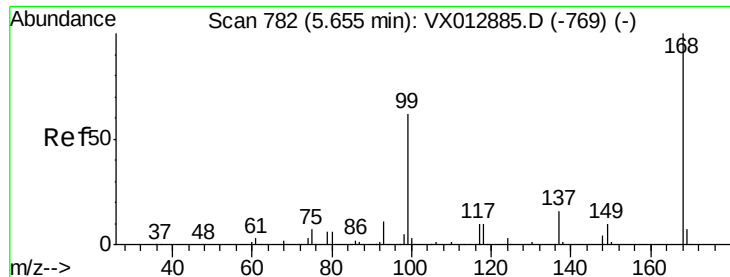
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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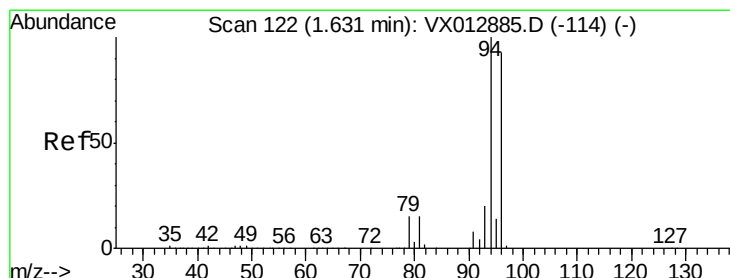
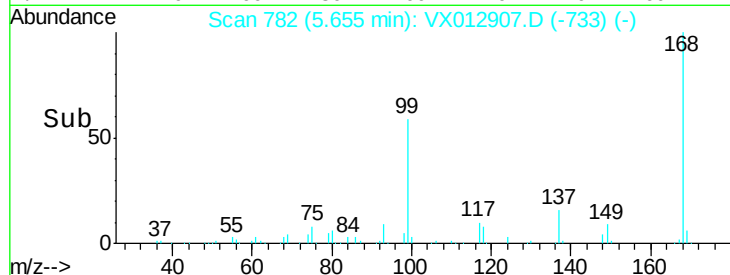
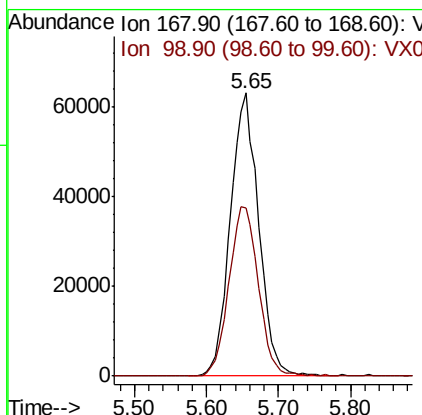
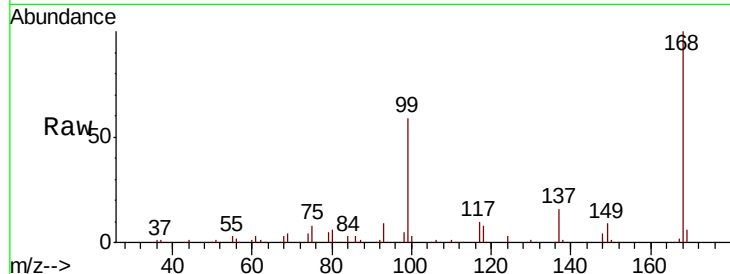




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

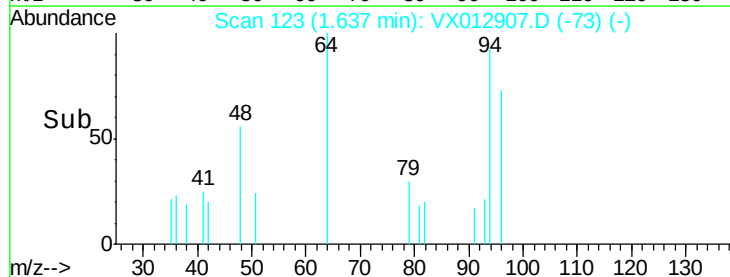
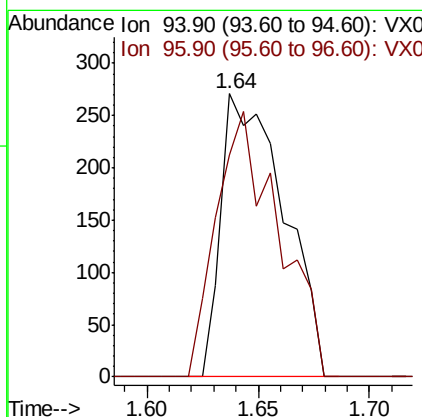
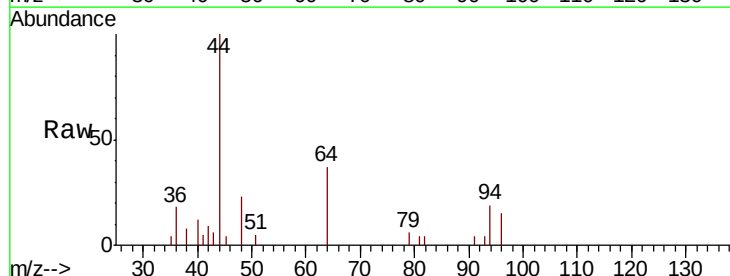
Instrument :
MSVOA_X
ClientSampleId :
TB-10032019

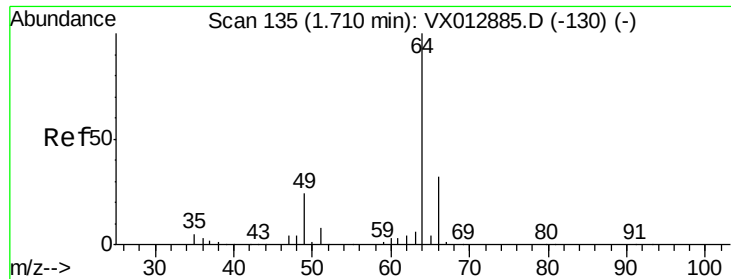
Tot Ion:168 Resp: 172502
Ion Ratio Lower Upper
168 100
99 59.2 49.4 74.0



#5
Bromomethane
Concen: 0.644 ug/l
RT: 1.64 min Scan# 123
Delta R.T. 0.01 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

Tgt Ion: 94 Resp: 529
Ion Ratio Lower Upper
94 100
96 78.6 74.7 112.1





#6

Chloroethane

Concen: 0.916 ug/l

RT: 1.69 min Scan# 132

Delta R.T. -0.02 min

Lab File: VX012907.D

Acq: 08 Oct 2019 23:16

Instrument :

MSVOA_X

ClientSampled :

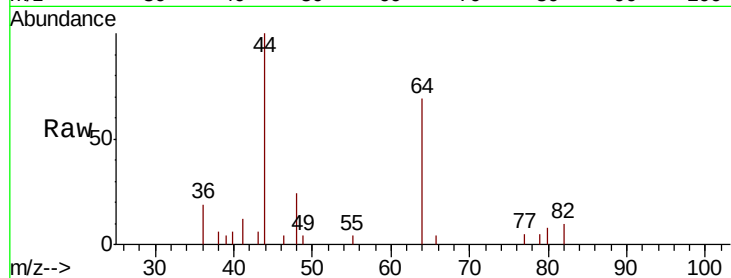
TB-10032019

Tot Ion: 64 Resp: 666

Ion Ratio Lower Upper

64 100

66 13.1 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.69

1000

800

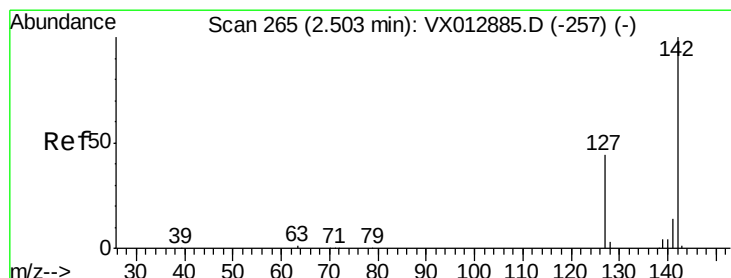
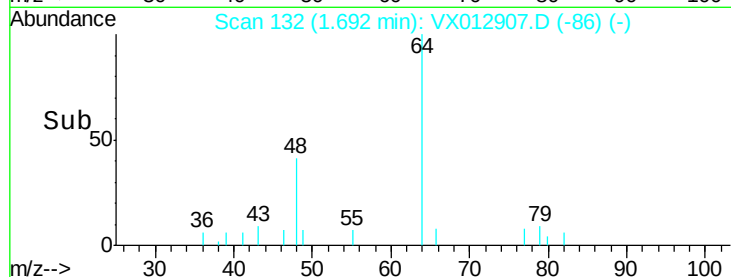
600

400

200

0

Time-->



#10

Methyl Iodide

Concen: 5.336 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012907.D

Acq: 08 Oct 2019 23:16

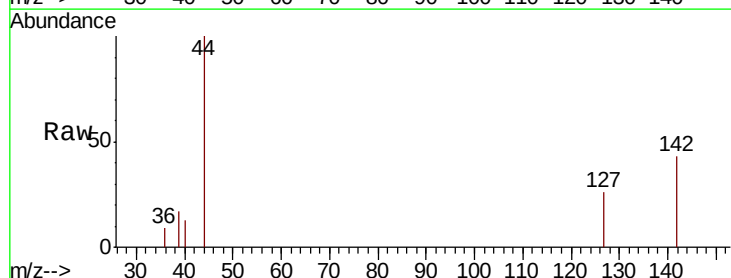
Tgt Ion: 142 Resp: 554

Ion Ratio Lower Upper

142 100

127 48.0 34.9 52.3

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

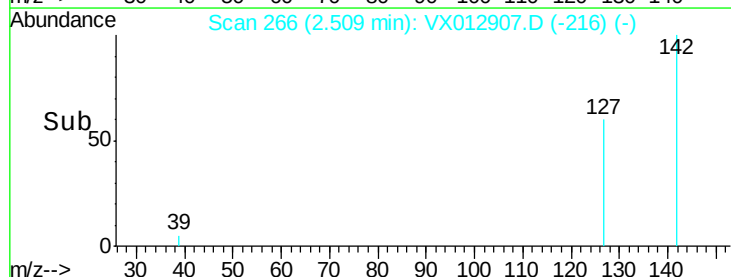
300

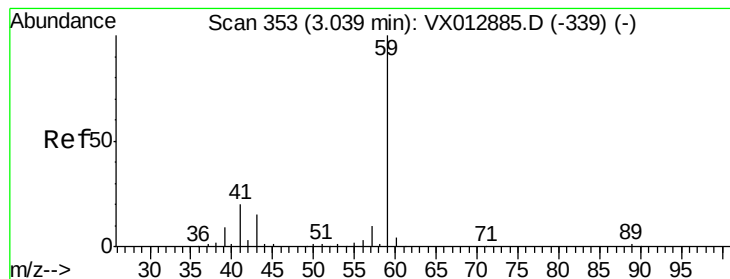
200

100

0

Time-->



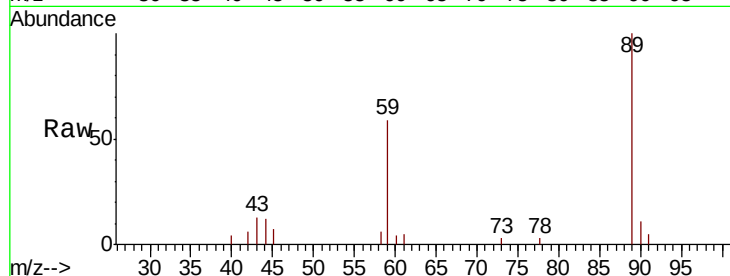


#11

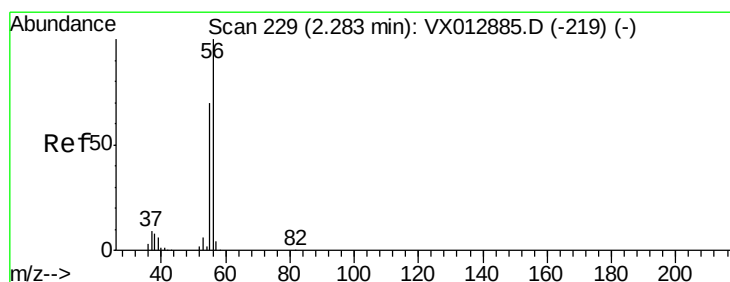
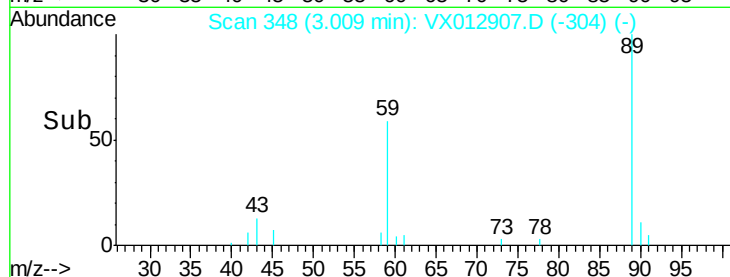
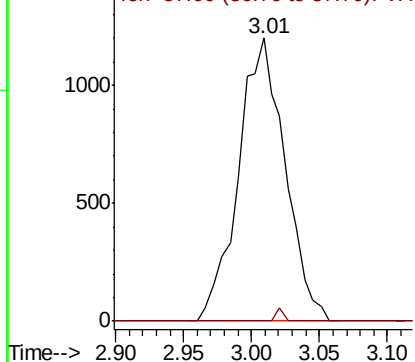
Tert butyl alcohol
 Concen: 5.013 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.03 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

Instrument :
 MSVOA_X
 ClientSampled :
 TB-10032019

Tot Ion: 59 Resp: 2865
 Ion Ratio Lower Upper
 59 100
 57 0.7 8.3 12.5#



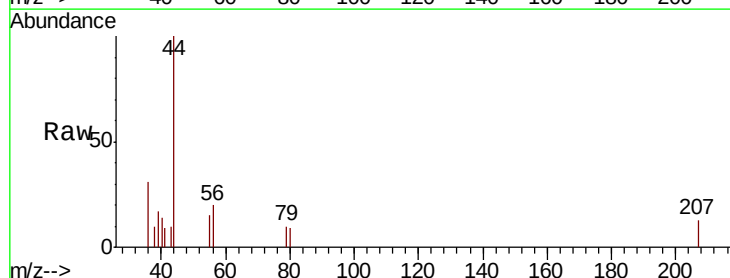
Abundance Ion 59.00 (58.70 to 59.70): VX0
 Ion 57.00 (56.70 to 57.70): VX0



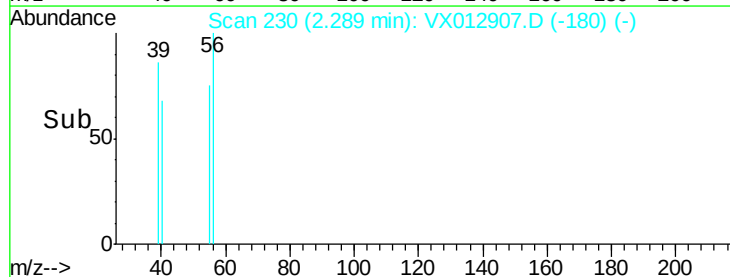
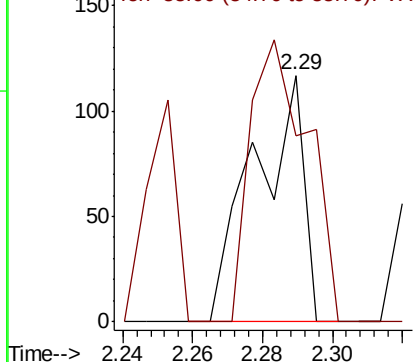
#13

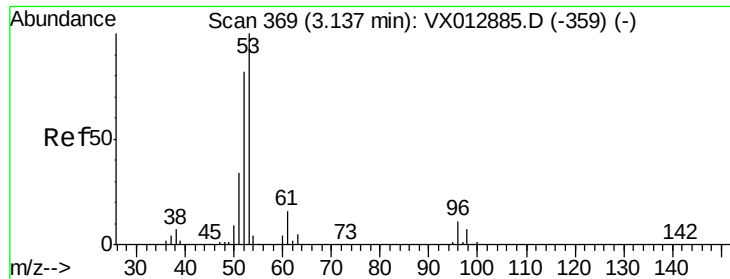
Acrolein
 Concen: 0.283 ug/l
 RT: 2.29 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

Tgt Ion: 56 Resp: 115
 Ion Ratio Lower Upper
 56 100
 55 133.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 55.00 (54.70 to 55.70): VX0

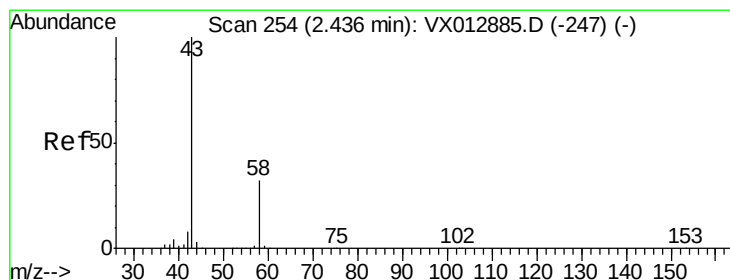
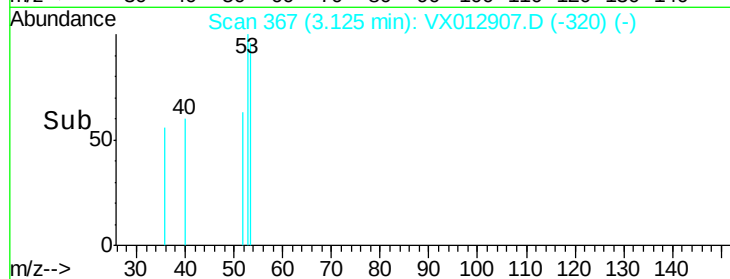
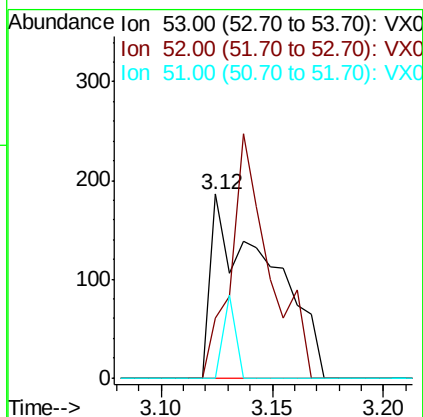
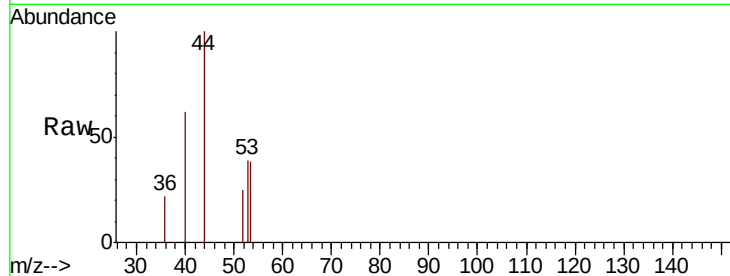




#15
 Acrylonitrile
 Concen: 0.312 ug/l
 RT: 3.12 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

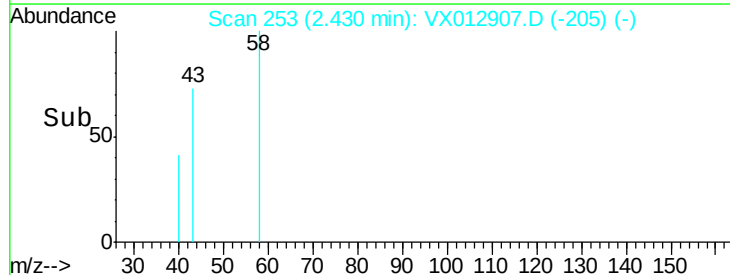
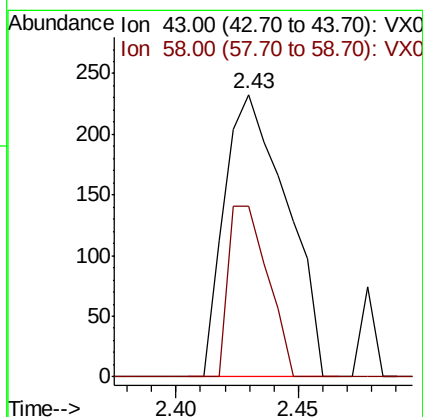
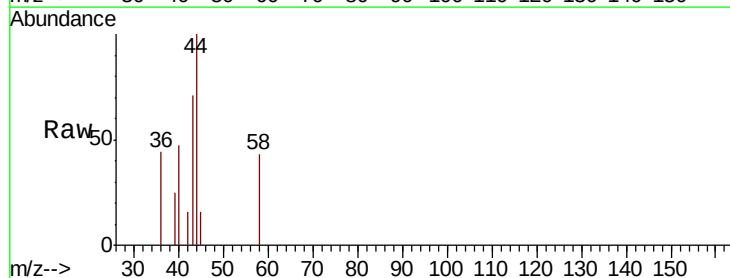
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-10032019

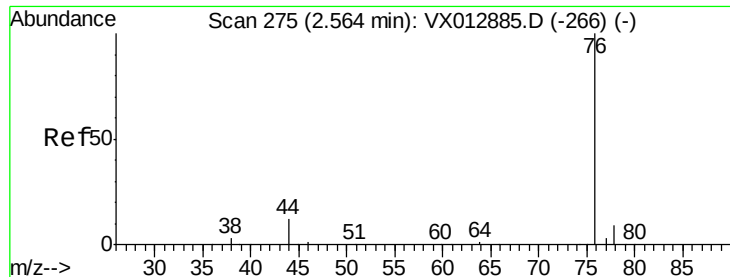
Tot Ion: 53 Resp: 338
 Ion Ratio Lower Upper
 53 100
 52 87.9 66.2 99.2
 51 9.2 28.2 42.4#



#16
 Acetone
 Concen: 0.365 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

Tgt Ion: 43 Resp: 415
 Ion Ratio Lower Upper
 43 100
 58 60.5 25.4 38.2#





#17

Carbon Disulfide

Concen: 0.328 ug/l

RT: 2.56 min Scan# 274

Delta R.T. -0.01 min

Lab File: VX012907.D

Acq: 08 Oct 2019 23:16

Instrument :

MSVOA_X

ClientSampled :

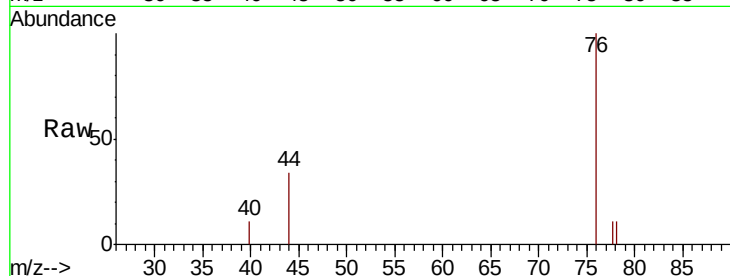
TB-10032019

Tot Ion: 76 Resp: 1628

Ion Ratio Lower Upper

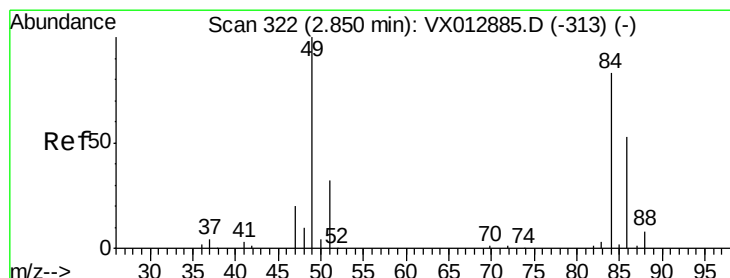
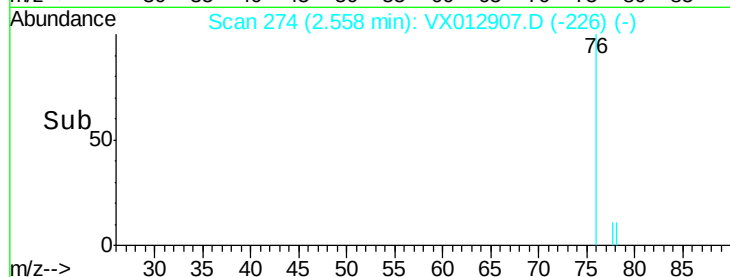
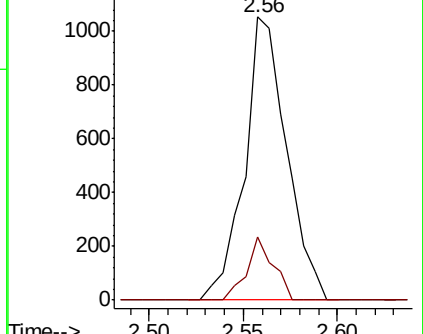
76 100

78 22.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#20

Methylene Chloride

Concen: 0.292 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.01 min

Lab File: VX012907.D

Acq: 08 Oct 2019 23:16

Tgt Ion: 84 Resp: 610

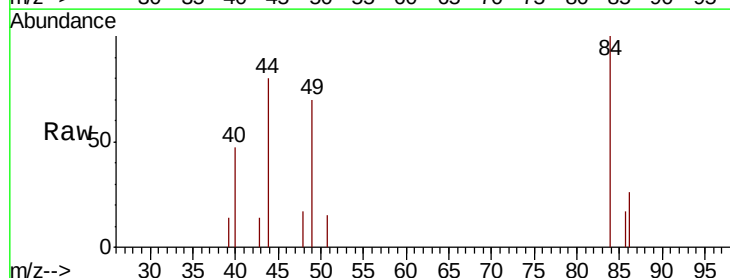
Ion Ratio Lower Upper

84 100

49 70.1 96.6 144.8#

51 15.1 30.7 46.1#

86 43.7 51.0 76.6#

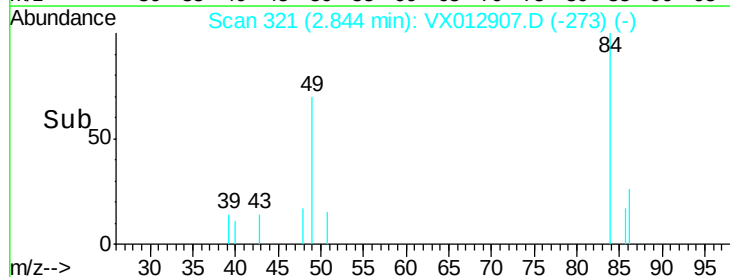
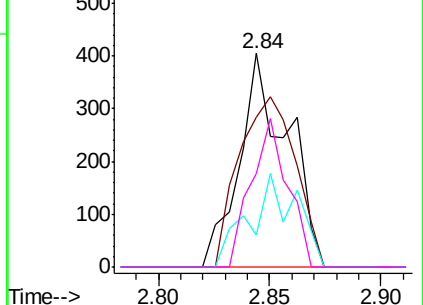


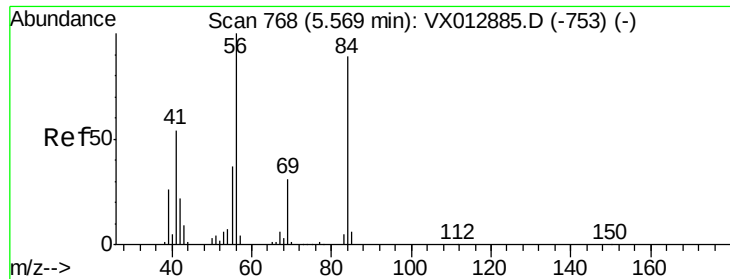
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0

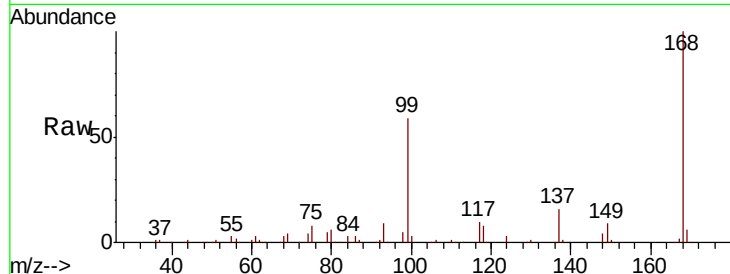




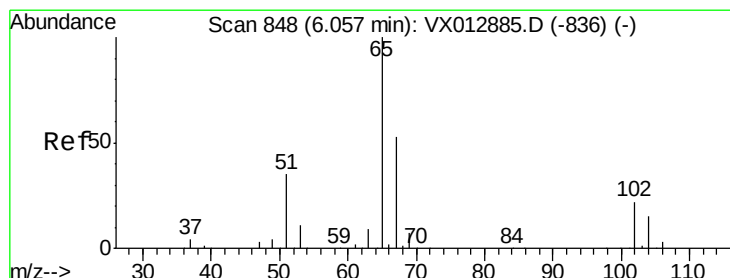
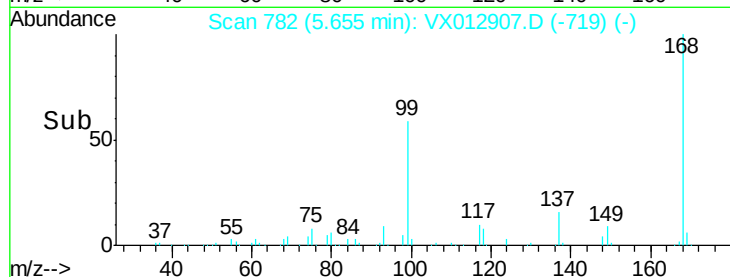
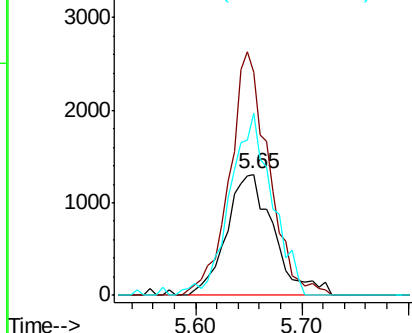
#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
TB-10032019

Tot Ion: 56 Resp: 4069
Ion Ratio Lower Upper
56 100
69 184.4 25.2 37.8#
84 150.3 71.3 106.9#

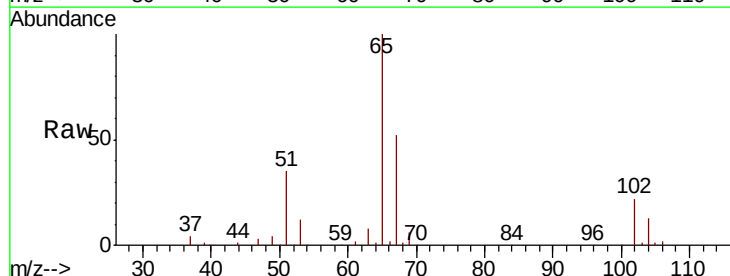


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

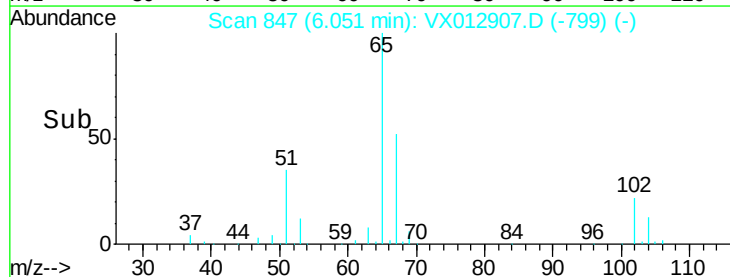
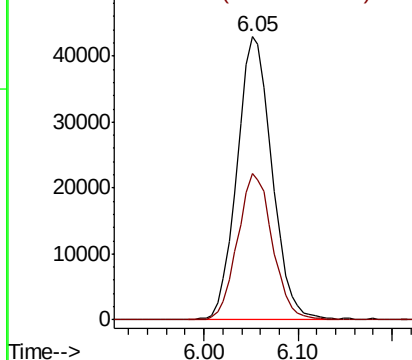


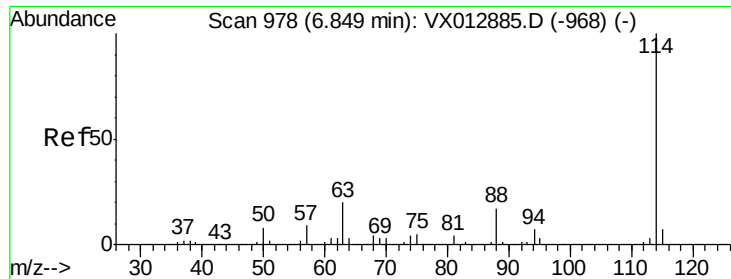
#33
1,2-Dichloroethane-d4
Concen: 51.770 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

Tgt Ion: 65 Resp: 111620
Ion Ratio Lower Upper
65 100
67 51.4 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

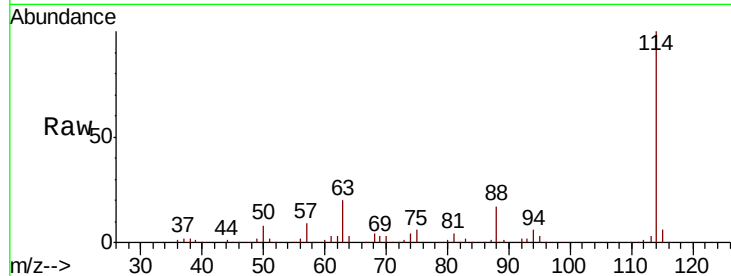




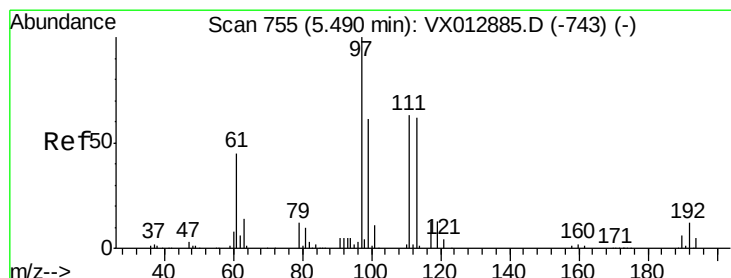
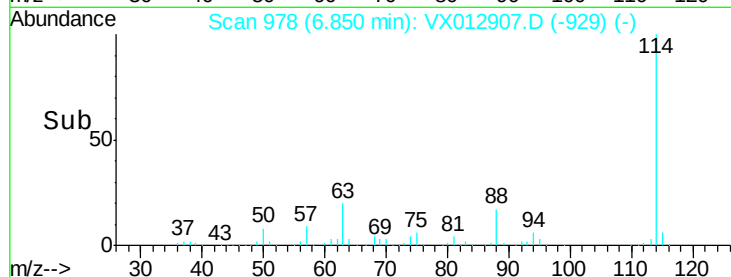
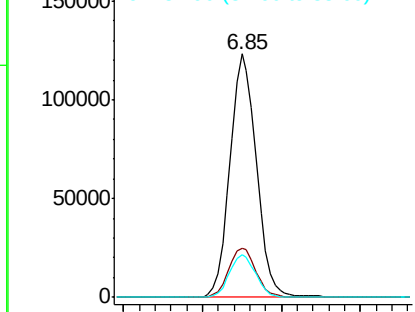
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-10032019

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	17.4	0.0	33.8

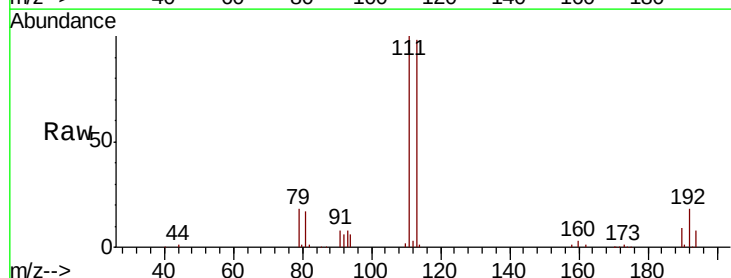


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

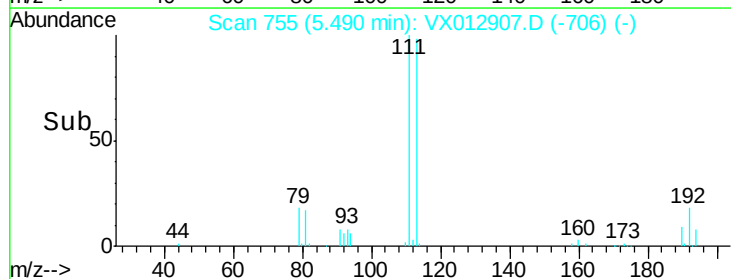
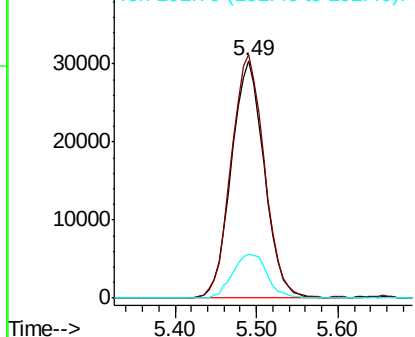


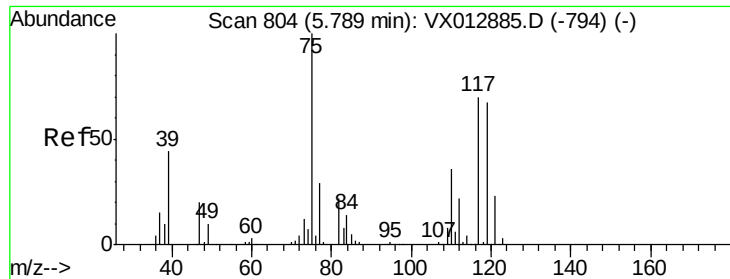
#35
 Dibromofluoromethane
 Concen: 51.374 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	83.2	124.8
192	19.3	15.4	23.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

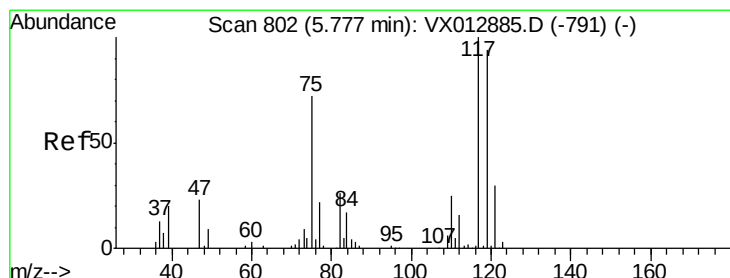
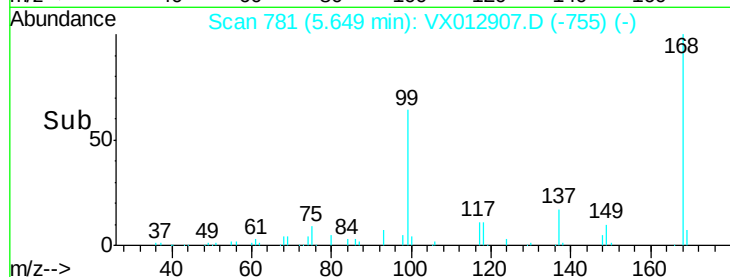
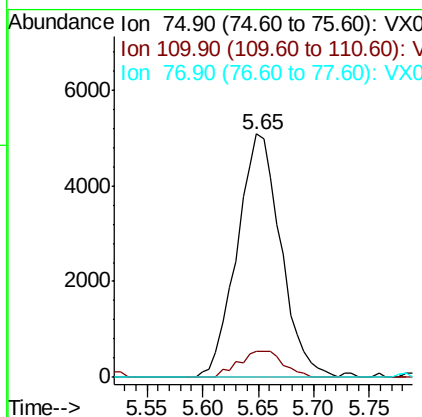
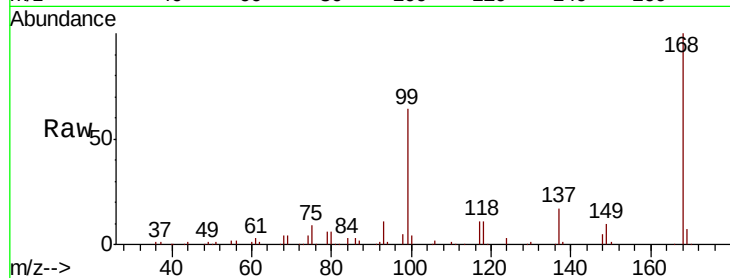




#36
 1,1-Dichloropropene
 Concen: 5.474 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

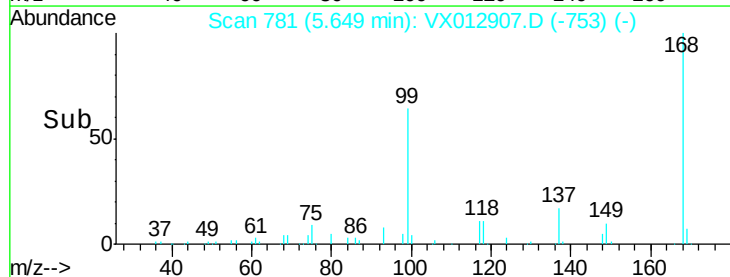
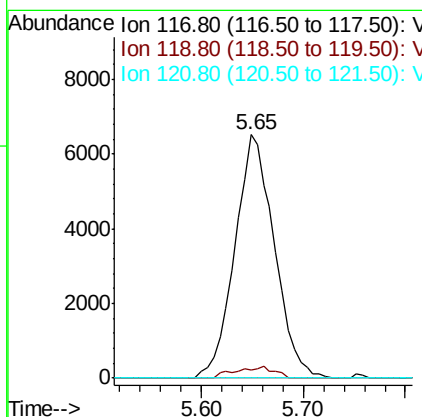
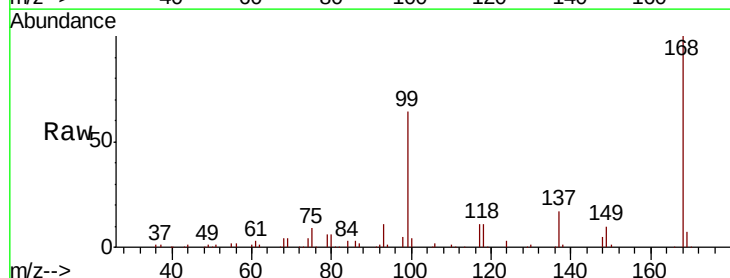
Instrument :
 MSVOA_X
 ClientSampleId :
 TB-10032019

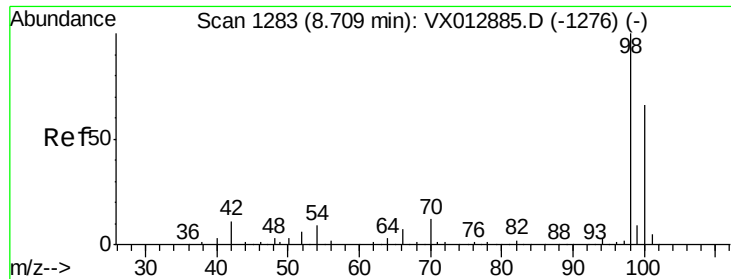
Tot Ion: 75 Resp: 13866
 Ion Ratio Lower Upper
 75 100
 110 11.0 17.6 52.9#
 77 0.0 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 7.086 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

Tgt Ion: 117 Resp: 17472
 Ion Ratio Lower Upper
 117 100
 119 3.4 74.5 111.7#
 121 0.0 24.2 36.4#

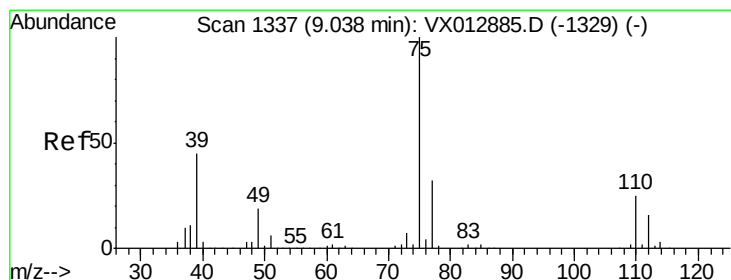
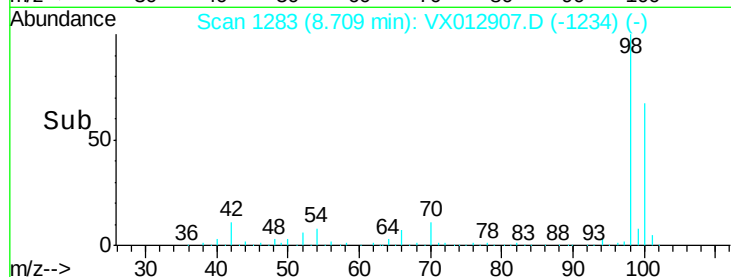
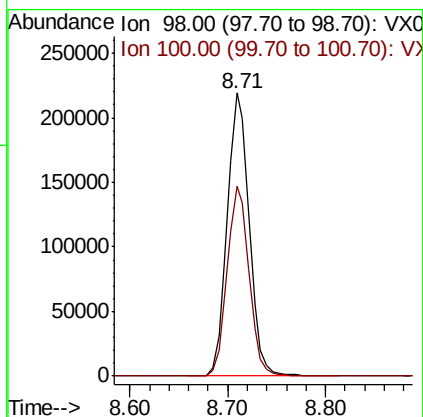
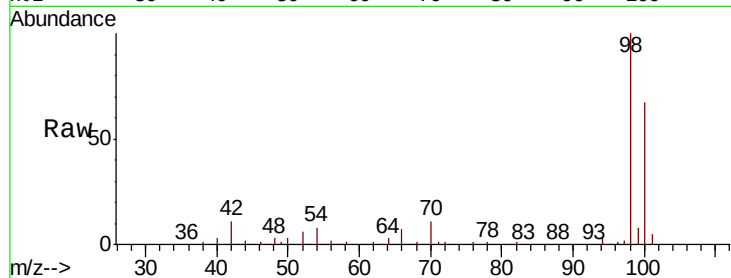




#50
Toluene-d8
Concen: 53.025 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

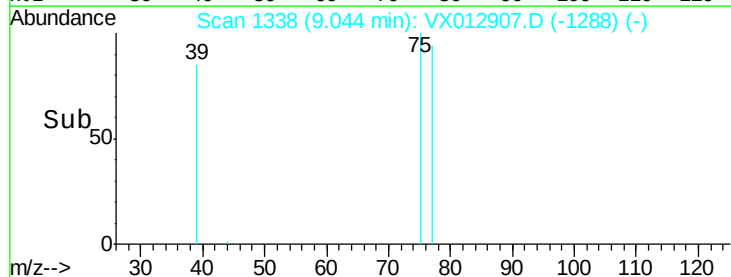
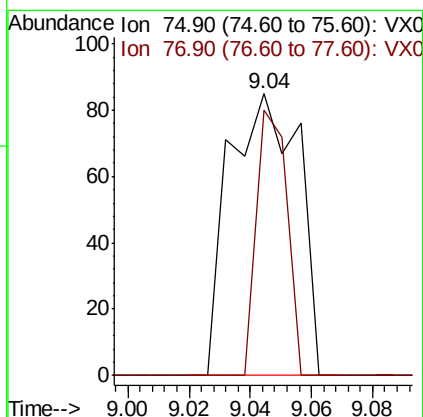
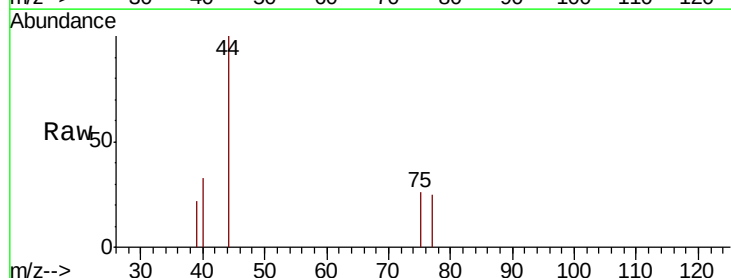
Instrument :
MSVOA_X
ClientSampleId :
TB-10032019

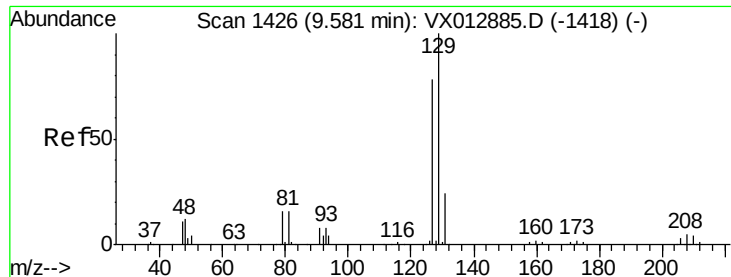
Tot Ion: 98 Resp: 342000
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#53
t-1,3-Dichloropropene
Concen: 2.210 ug/l
RT: 9.04 min Scan# 1338
Delta R.T. 0.01 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

Tgt Ion: 75 Resp: 133
Ion Ratio Lower Upper
75 100
77 94.1 25.8 38.6#

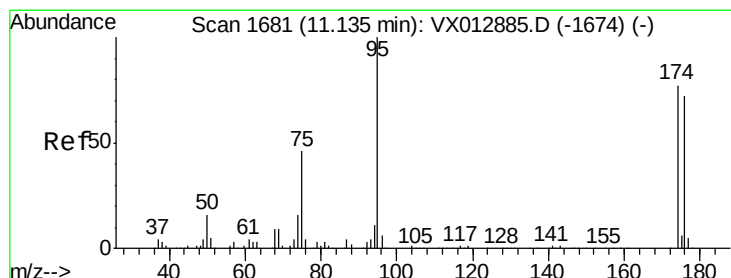
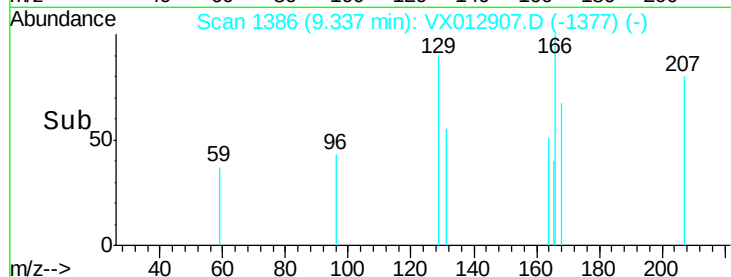
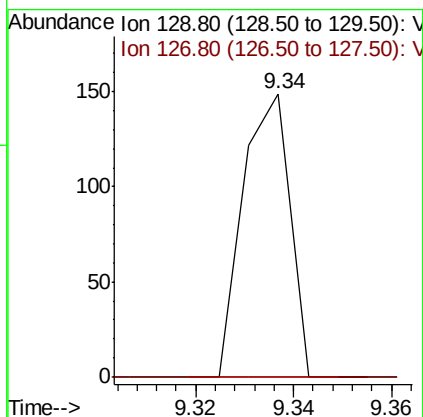
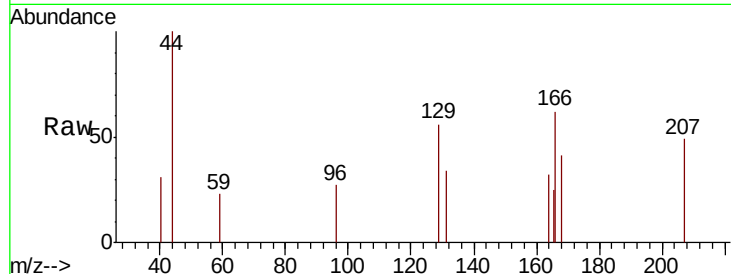




#60
Dibromochloromethane
Concen: 1.902 ug/l
RT: 9.34 min Scan# 1386
Delta R.T. -0.24 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

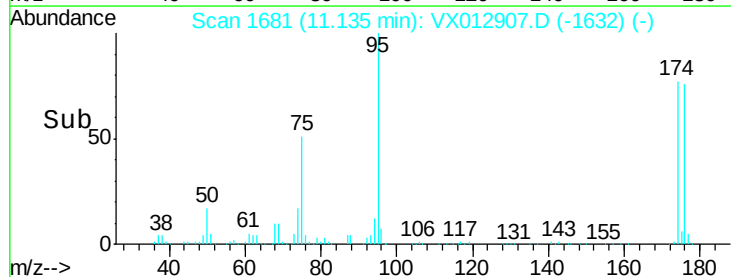
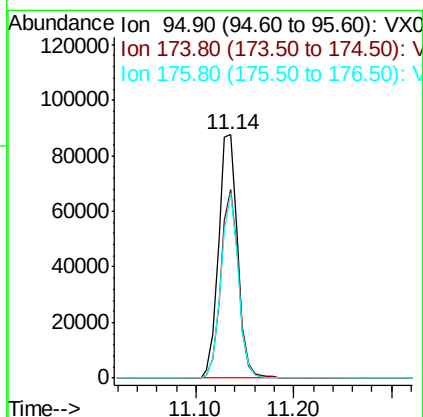
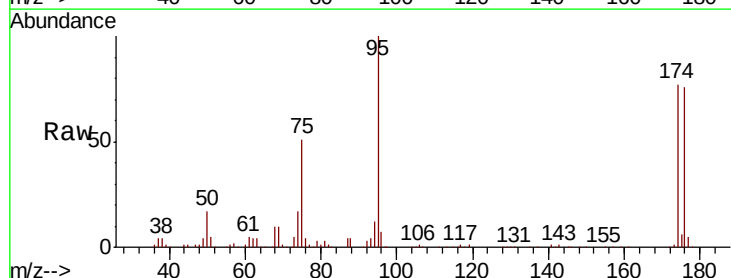
Instrument :
MSVOA_X
ClientSampleId :
TB-10032019

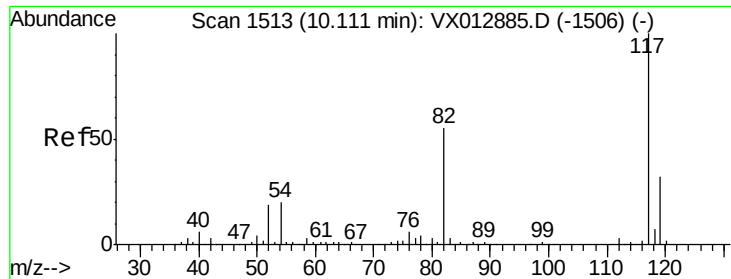
Tot Ion:129 Resp: 99
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.7#



#62
4-Bromofluorobenzene
Concen: 46.977 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

Tgt Ion: 95 Resp: 117729
Ion Ratio Lower Upper
95 100
174 72.3 0.0 143.4
176 69.8 0.0 136.0

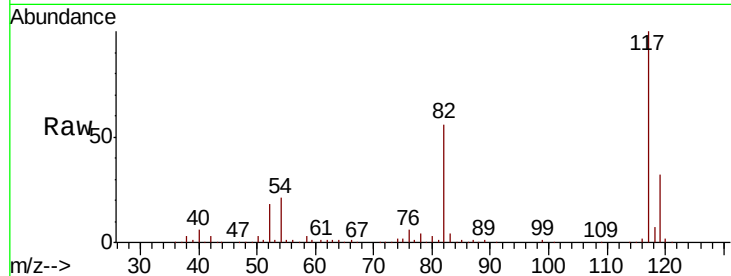




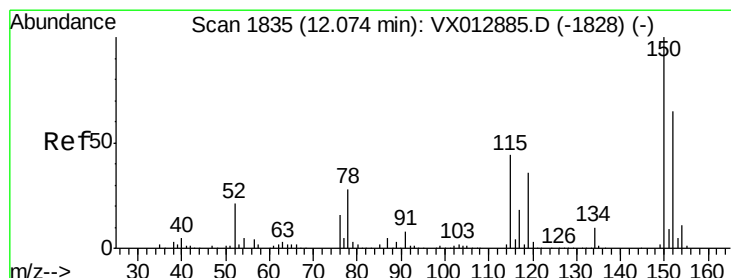
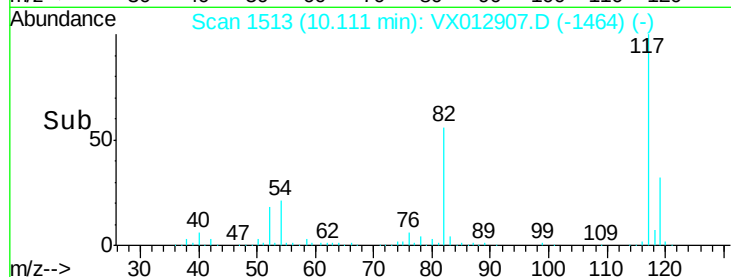
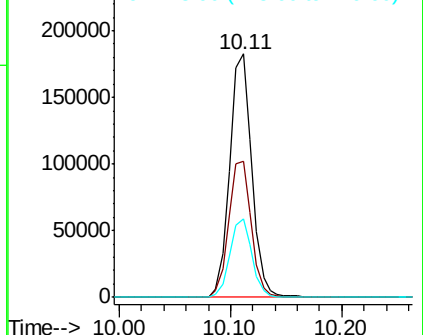
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

Instrument :
MSVOA_X
ClientSampleId :
TB-10032019

Tot Ion:117 Resp: 250506
Ion Ratio Lower Upper
117 100
82 56.0 44.1 66.1
119 32.1 25.8 38.8

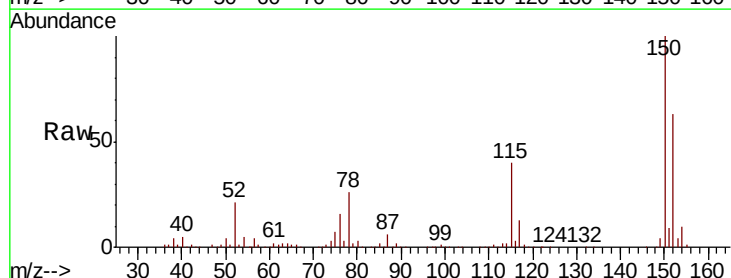


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

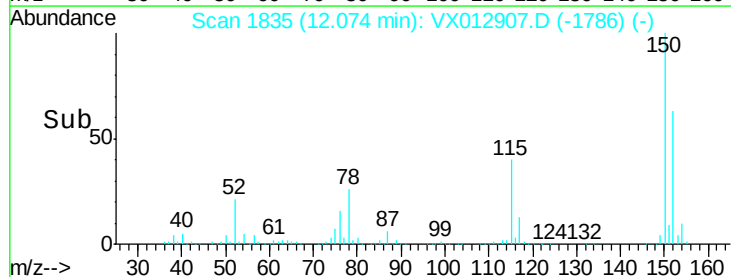
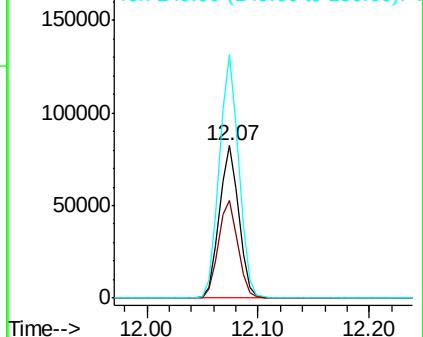


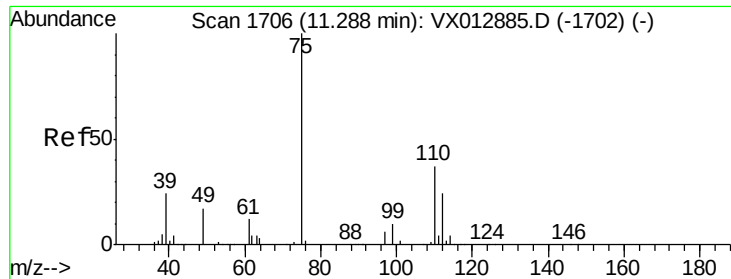
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012907.D
Acq: 08 Oct 2019 23:16

Tgt Ion:152 Resp: 99560
Ion Ratio Lower Upper
152 100
115 64.3 44.5 133.5
150 159.9 0.0 353.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.385 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012907.D

Acq: 08 Oct 2019 23:16

Instrument :

MSVOA_X

ClientSampled :

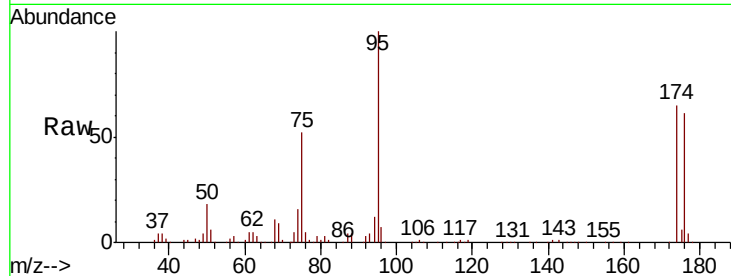
TB-10032019

Tot Ion: 75 Resp: 60472

Ion Ratio Lower Upper

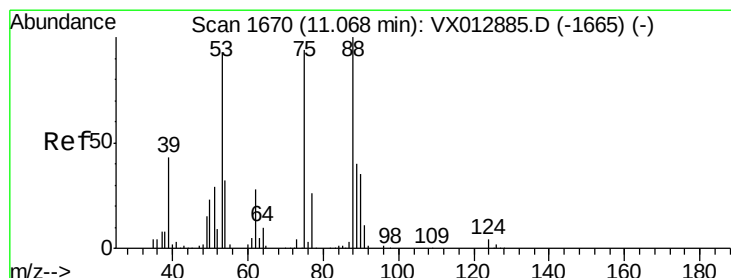
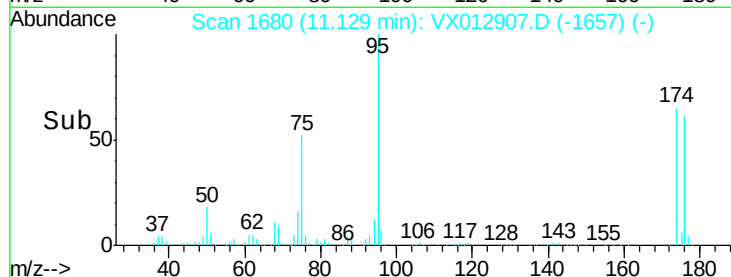
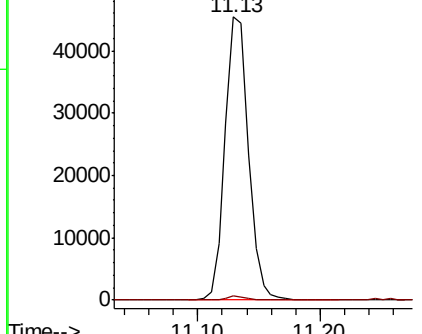
75 100

77 1.3 22.9 68.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 68.752 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012907.D

Acq: 08 Oct 2019 23:16

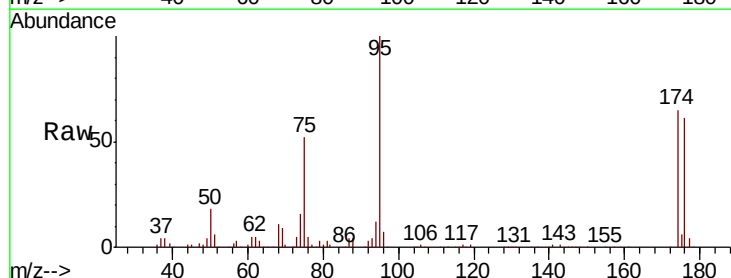
Tgt Ion: 75 Resp: 60472

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

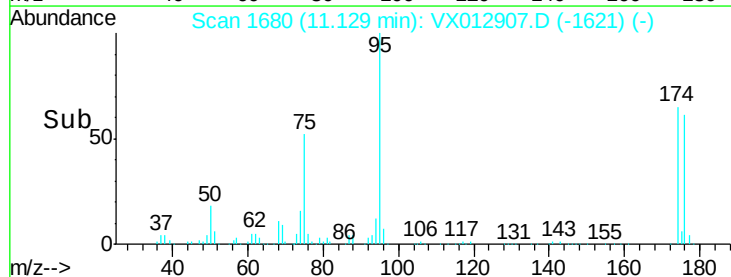
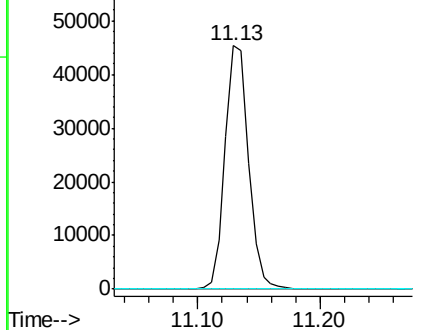
89 0.0 37.4 56.2#

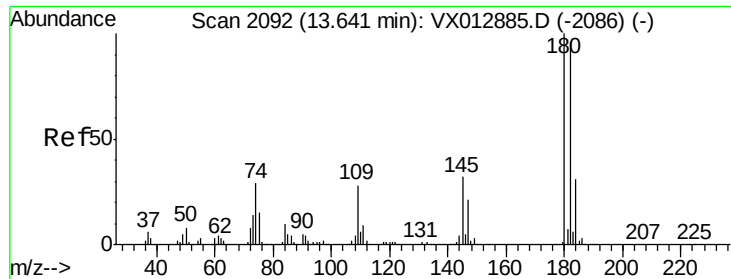


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

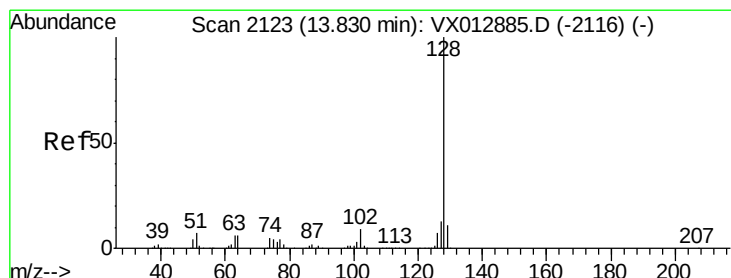
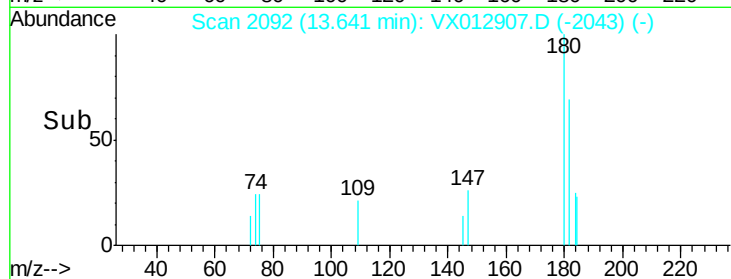
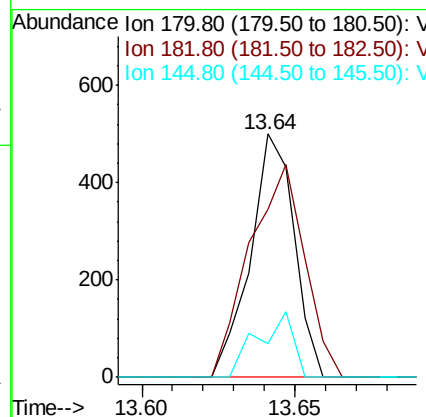
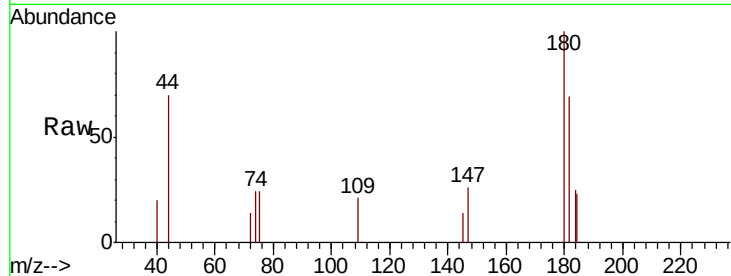




#93
 1,2,4-Trichlorobenzene
 Concen: 0.252 ug/l
 RT: 13.64 min Scan# 2092
 Delta R.T. 0.00 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

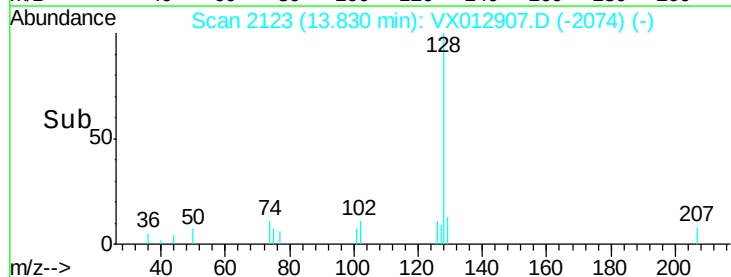
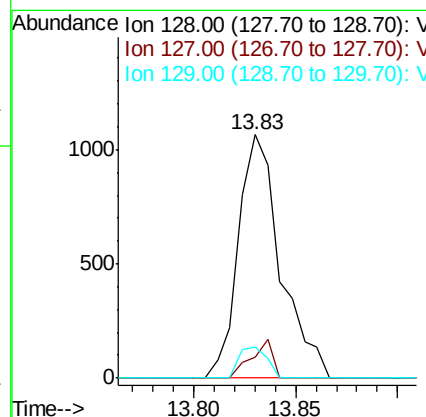
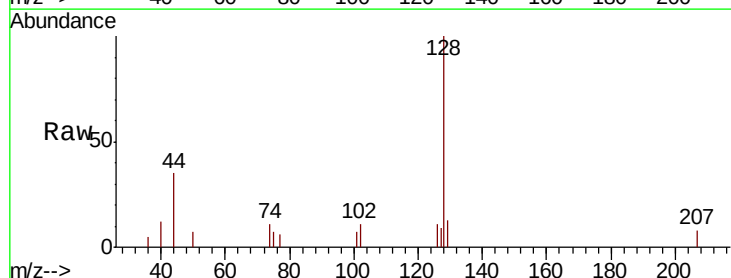
Instrument :
 MSVOA_X
 ClientSampleID :
 TB-10032019

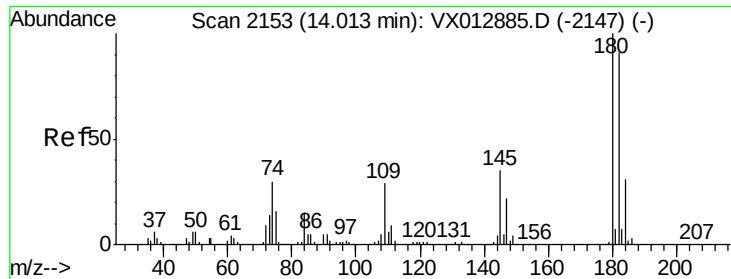
Tot Ion:180 Resp: 496
 Ion Ratio Lower Upper
 180 100
 182 109.7 46.8 140.4
 145 21.8 16.2 48.6



#95
 Naphthalene
 Concen: 0.224 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

Tgt Ion:128 Resp: 1525
 Ion Ratio Lower Upper
 128 100
 127 7.9 10.2 15.4#
 129 8.3 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.253 ug/l
 RT: 14.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VX012907.D
 Acq: 08 Oct 2019 23:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-10032019

Tot Ion	Ratio	Lower	Upper
180	100		
182	81.1	47.5	142.5
145	30.7	17.4	52.3

