

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071219\
 Data File : VX010852.D
 Acq On : 12 Jul 2019 21:53
 Operator : JC/SP
 Sample : VV0712MBL01
 Misc : 5.00µ/10mL/100µL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712MBL01

Quant Time: Jul 13 05:13:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	217850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	342058	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	313510	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	143872	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	111819	54.74	ug/l	0.00
Spiked Amount			Recovery	=	109.48%	
35) Dibromofluoromethane	5.50	113	105715	50.51	ug/l	0.00
Spiked Amount			Recovery	=	101.02%	
50) Toluene-d8	8.71	98	406232	50.74	ug/l	0.00
Spiked Amount			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.13	95	140366	48.56	ug/l	0.00
Spiked Amount			Recovery	=	97.12%	

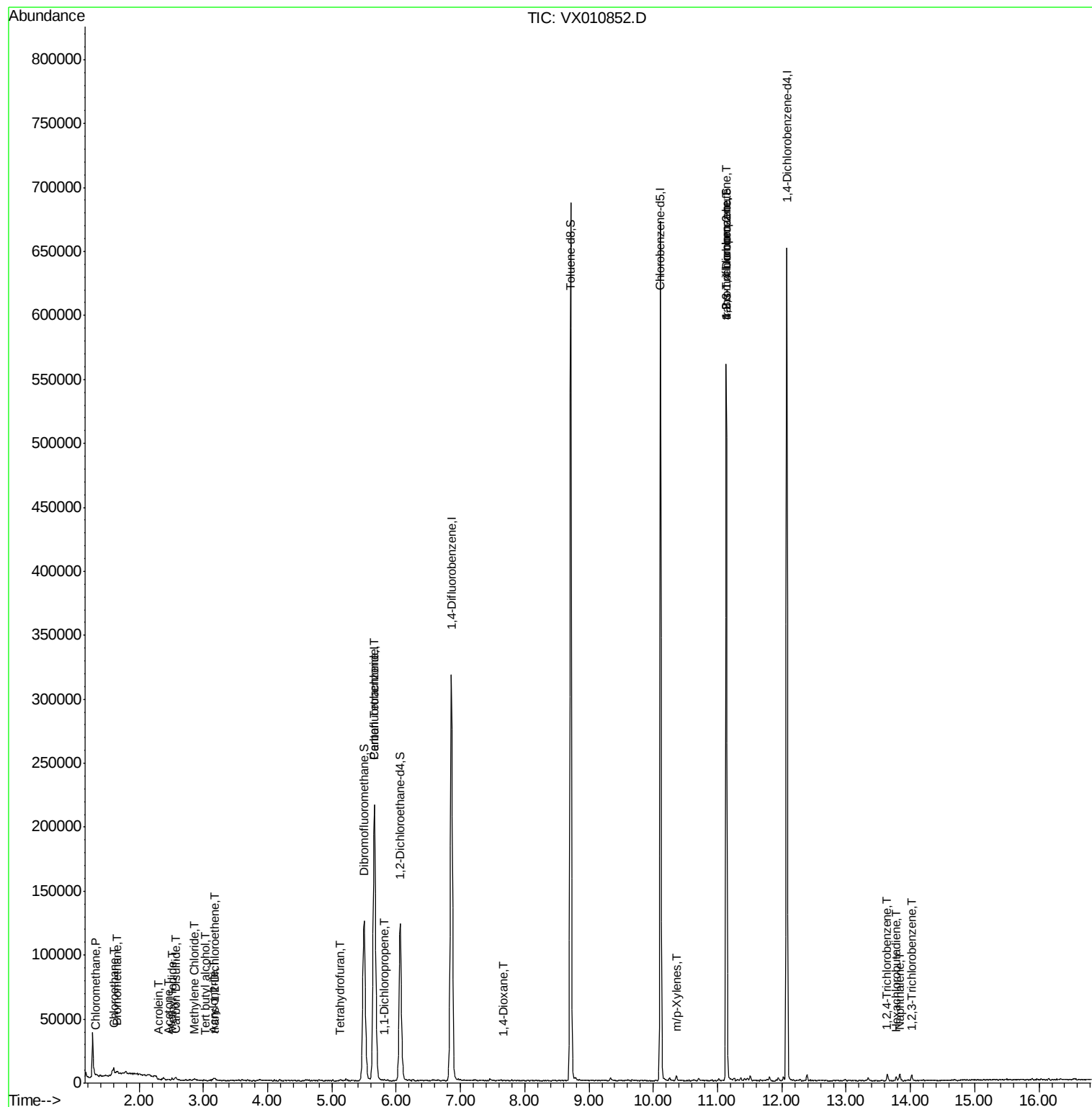
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	461	0.261	ug/l #	20
5) Bromomethane	1.65	94	929	0.987	ug/l	87
6) Chloroethane	1.62	64	3353	2.942	ug/l #	58
10) Methyl Iodide	2.51	142	1446	0.546	ug/l #	88
11) Tert butyl alcohol	3.03	59	277	0.518	ug/l #	74
13) Acrolein	2.30	56	361	1.018	ug/l #	77
15) Acrylonitrile	3.16	53	512	0.484	ug/l #	82
16) Acetone	2.45	43	273	0.267	ug/l #	1
17) Carbon Disulfide	2.57	76	2389	0.472	ug/l #	86
20) Methylene Chloride	2.86	84	595	0.282	ug/l #	67
21) trans-1,2-Dichloroethene	3.17	96	588	0.290	ug/l #	61
29) Tetrahydrofuran	5.13	42	334	0.359	ug/l #	80
36) 1,1-Dichloropropene	5.82	75	556	0.205	ug/l #	52
38) Carbon Tetrachloride	5.66	117	19386	6.586	ug/l #	14
49) 1,4-Dioxane	7.66	88	21	0.339	ug/l #	28
68) m/p-Xylenes	10.35	106	894	0.215	ug/l	90
76) 1,2,3-Trichloropropane	11.13	75	69234	26.408	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	69234	61.607	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.65	180	1226	0.374	ug/l	91
94) Hexachlorobutadiene	13.79	225	396	0.247	ug/l	87
95) Naphthalene	13.83	128	3166	0.314	ug/l	97
96) 1,2,3-Trichlorobenzene	14.02	180	1151	0.353	ug/l	90

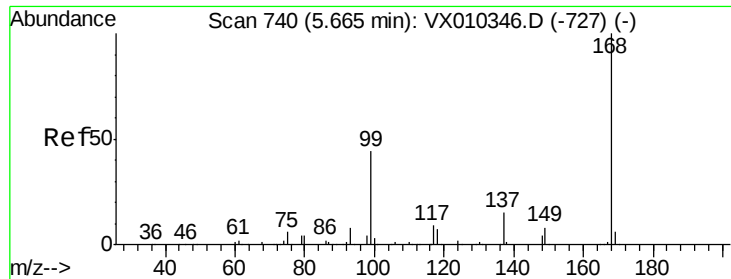
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071219\
Data File : VX010852.D
Acq On : 12 Jul 2019 21:53
Operator : JC/SP
Sample : VV0712MBL01
Misc : 5.00g/10mL/100uL/5.0mL/MSVOA_X/MEOH
ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0712MBL01

Quant Time: Jul 13 05:13:28 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration

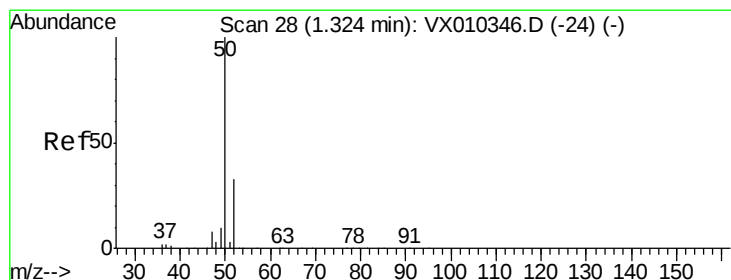
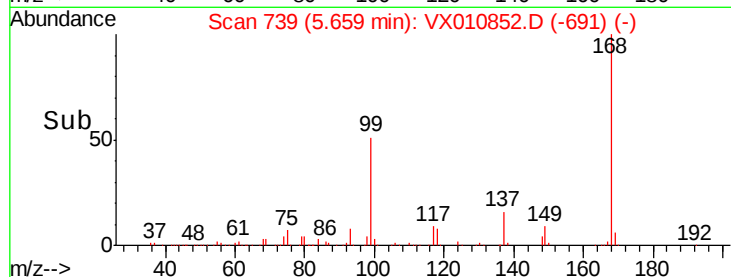
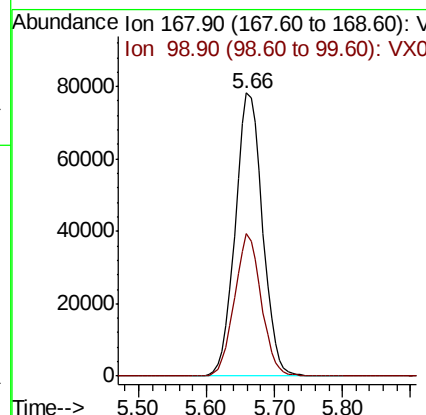
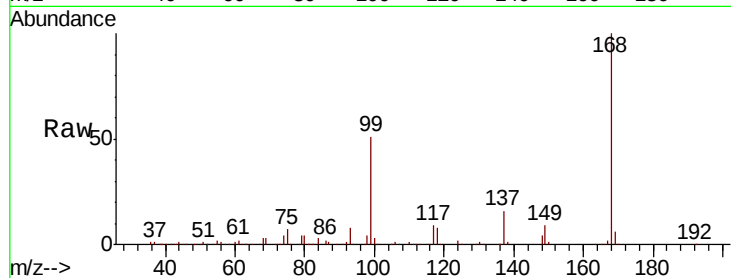




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.01 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

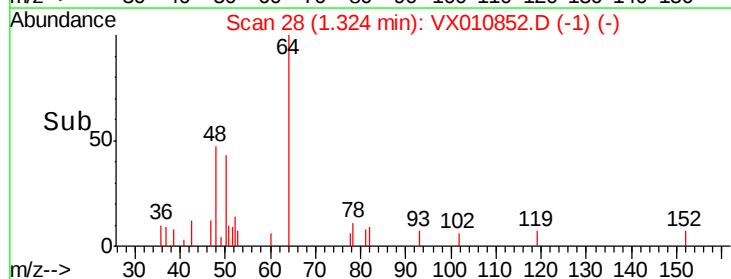
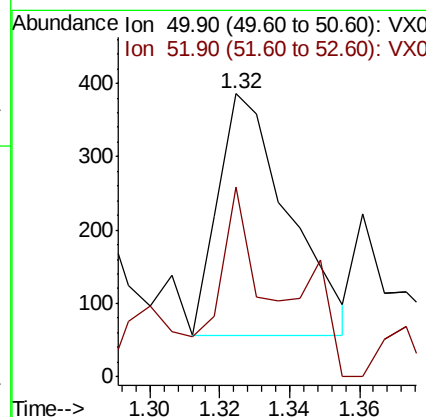
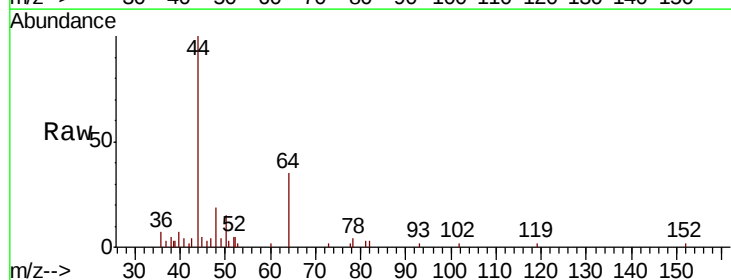
Instrument :
MSVOA_X
ClientSampleId :
VX0712MBL01

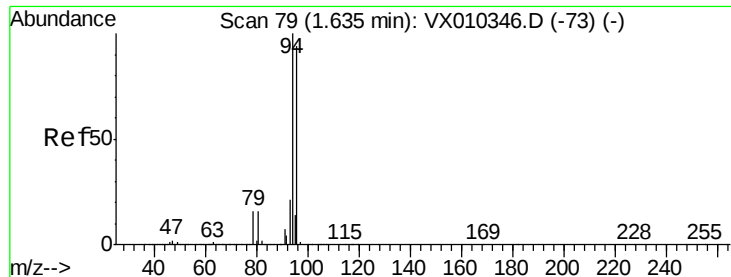
Tot Ion:168 Resp: 217850
Ion Ratio Lower Upper
168 100
99 50.6 35.5 53.3



#3
Chloromethane
Concen: 0.261 ug/l
RT: 1.32 min Scan# 28
Delta R.T. 0.00 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Tgt Ion: 50 Resp: 461
Ion Ratio Lower Upper
50 100
52 78.5 26.5 39.7#





#5

Bromomethane

Concen: 0.987 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

Instrument :

MSVOA_X

ClientSampleId :

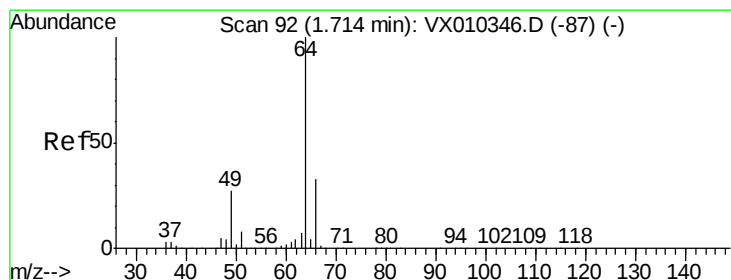
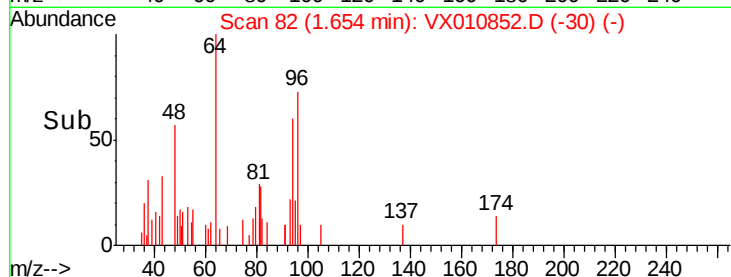
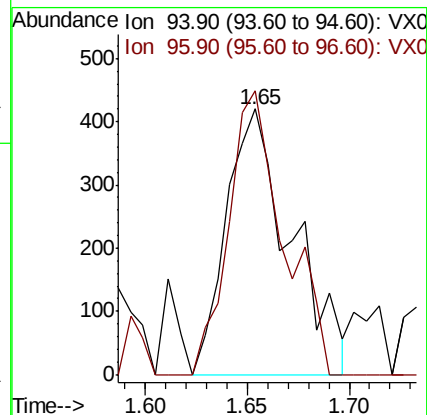
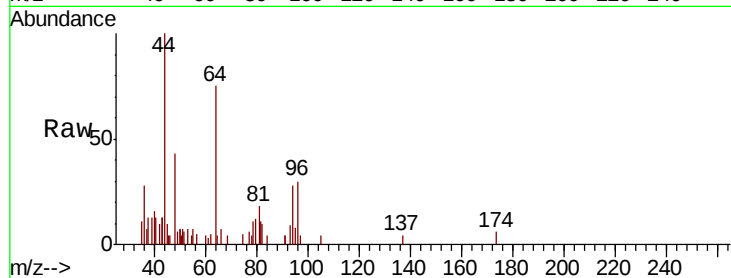
VX0712MBL01

Tot Ion: 94 Resp: 929

Ion Ratio Lower Upper

94 100

96 106.7 75.5 113.3



#6

Chloroethane

Concen: 2.942 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.09 min

Lab File: VX010852.D

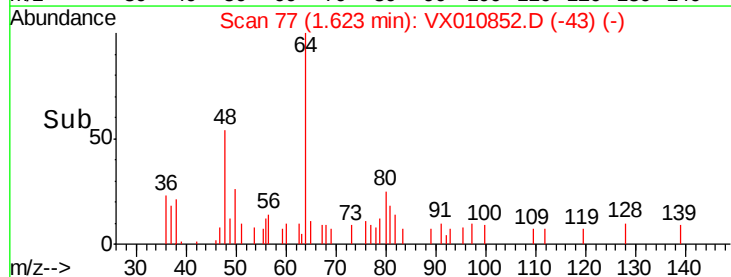
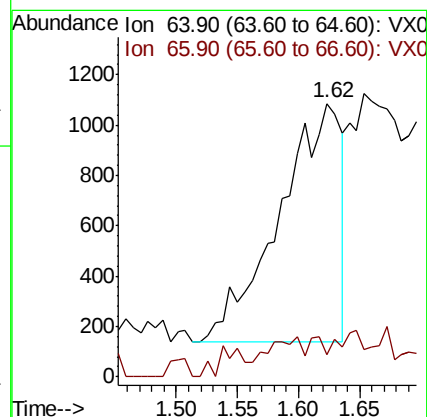
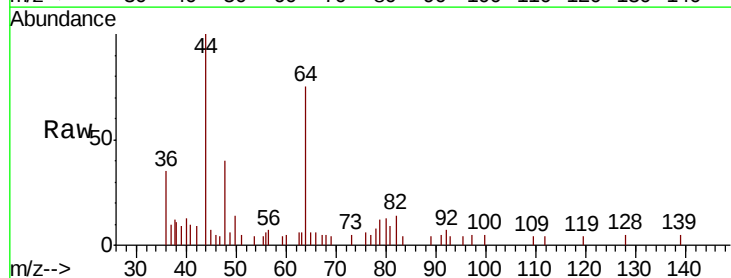
Acq: 12 Jul 2019 21:53

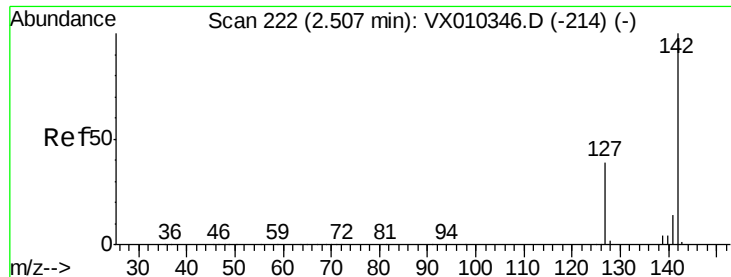
Tgt Ion: 64 Resp: 3353

Ion Ratio Lower Upper

64 100

66 9.4 26.6 40.0#

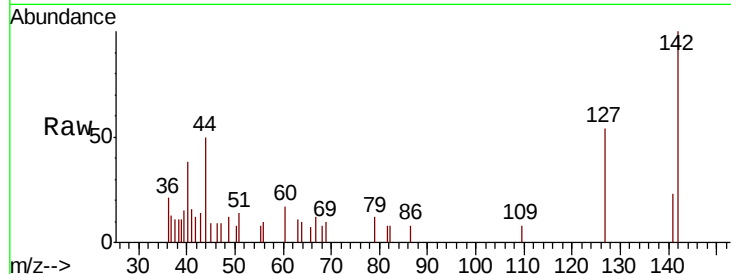




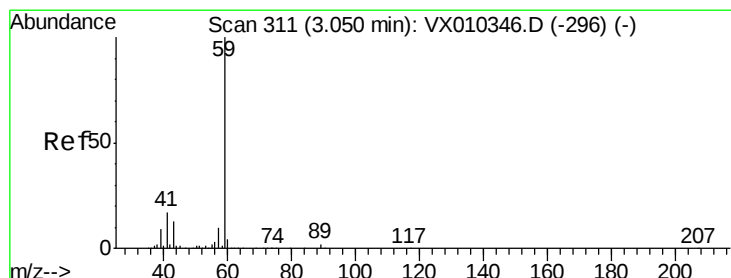
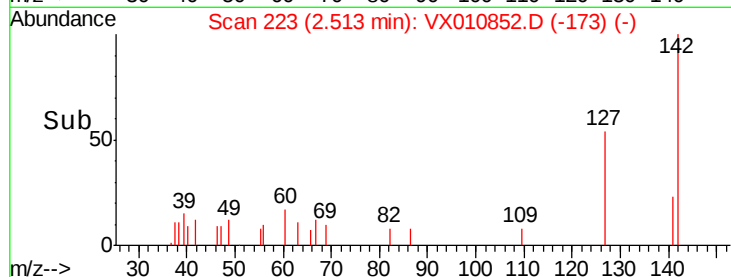
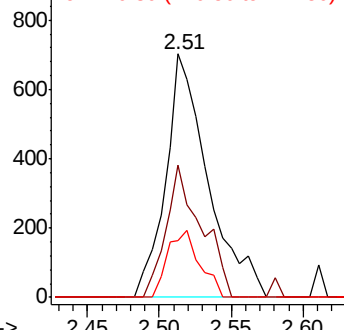
#10
Methvl Iodide
Concen: 0.546 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Instrument :
MSVOA_X
ClientSampleId :
VX0712MBL01

Tot Ion:142 Resp: 1446
Ion Ratio Lower Upper
142 100
127 45.2 31.1 46.7
141 20.8 11.2 16.8#

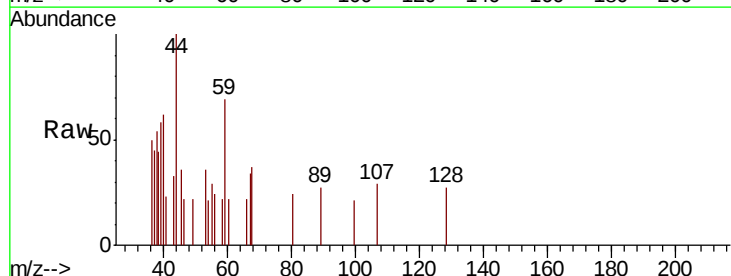


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

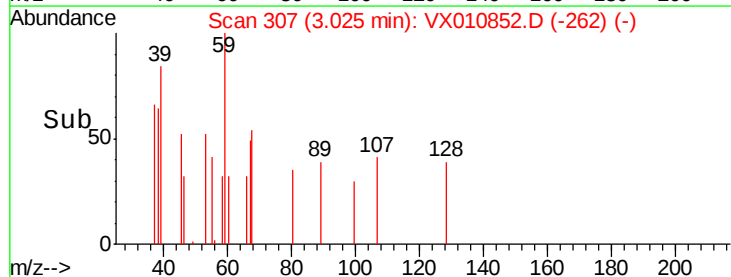
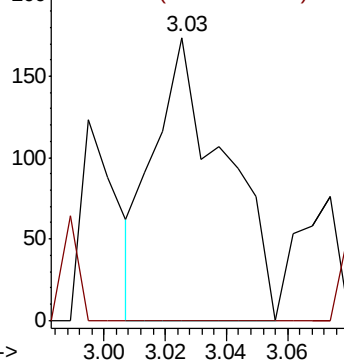


#11
Tert butyl alcohol
Concen: 0.518 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#



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





#13

Acrolein

Concen: 1.018 ug/l

RT: 2.30 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

Instrument :

MSVOA_X

ClientSampled :

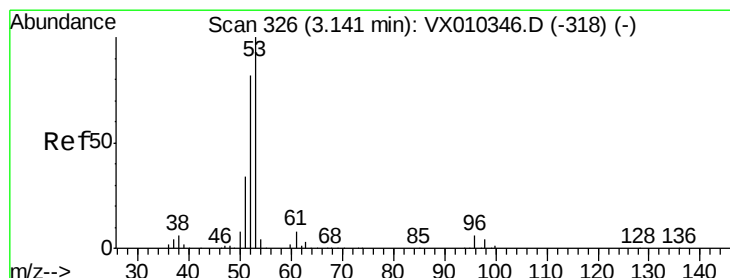
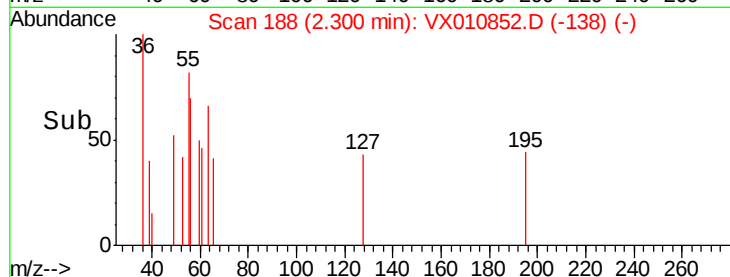
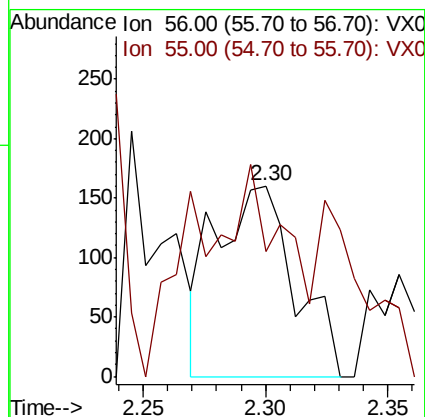
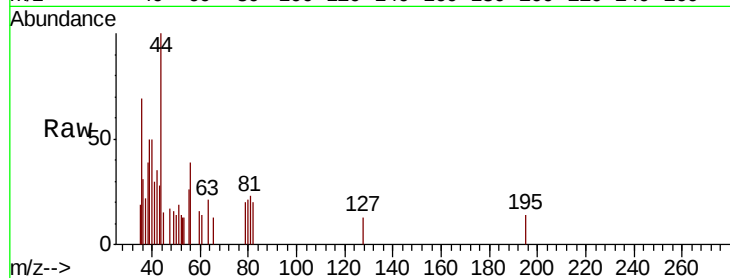
VX0712MBL01

Tot Ion: 56 Resp: 361

Ion Ratio Lower Upper

56 100

55 52.4 56.9 85.3#



#15

Acrylonitrile

Concen: 0.484 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.02 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

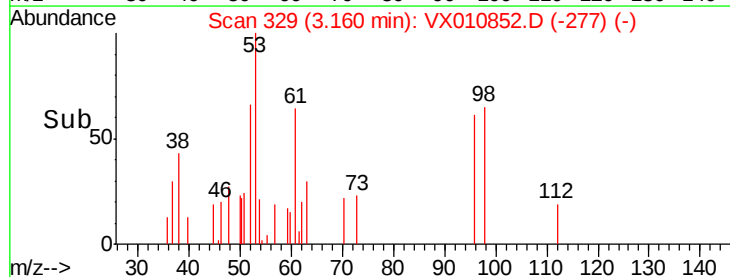
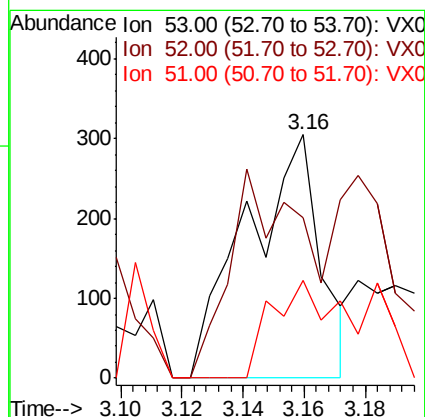
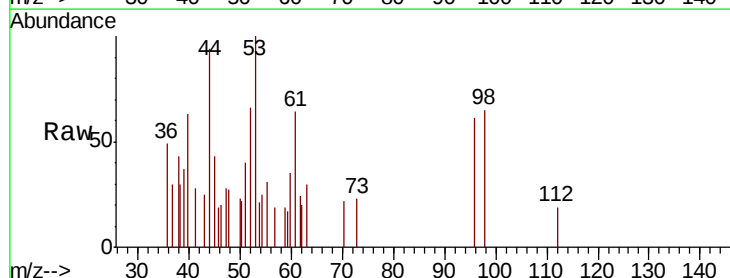
Tgt Ion: 53 Resp: 512

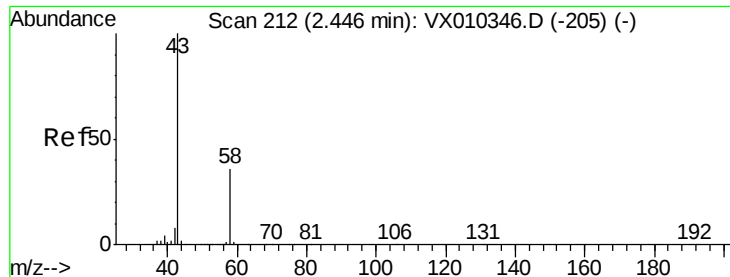
Ion Ratio Lower Upper

53 100

52 68.6 65.5 98.3

51 50.6 28.2 42.4#





#16

Acetone

Concen: 0.267 ug/l

RT: 2.45 min Scan# 213

Delta R.T. 0.01 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

Instrument :

MSVOA_X

ClientSampled :

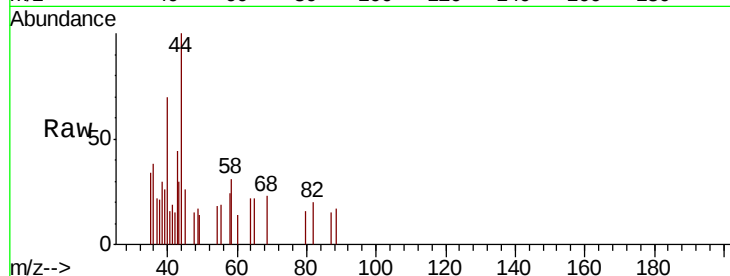
VX0712MBL01

Tot Ion: 43 Resp: 273

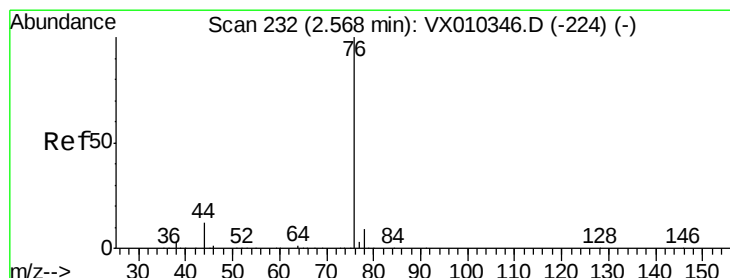
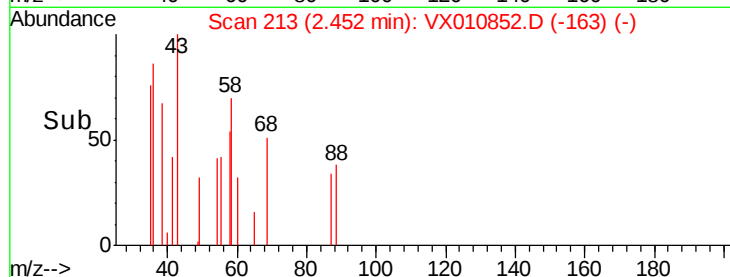
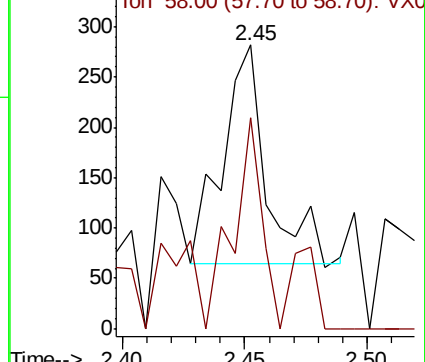
Ion Ratio Lower Upper

43 100

58 95.9 28.9 43.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#17

Carbon Disulfide

Concen: 0.472 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX010852.D

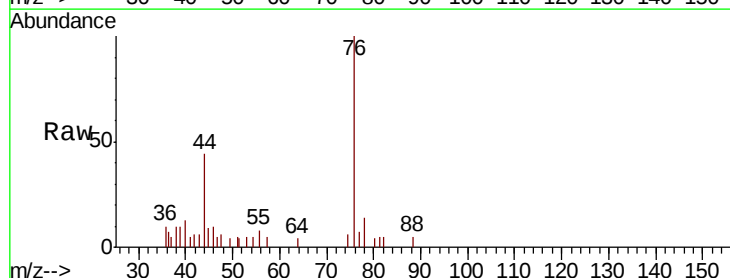
Acq: 12 Jul 2019 21:53

Tgt Ion: 76 Resp: 2389

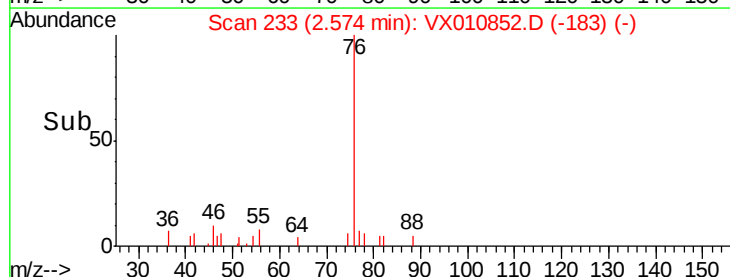
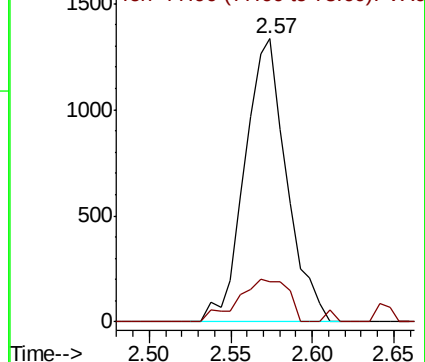
Ion Ratio Lower Upper

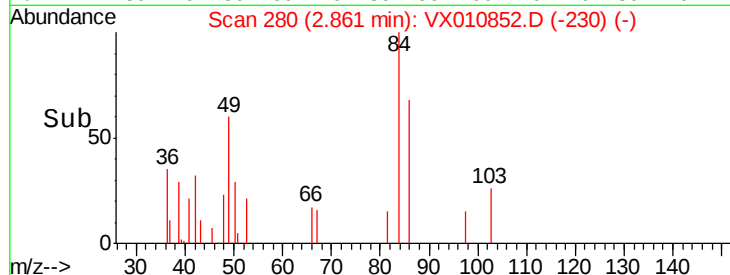
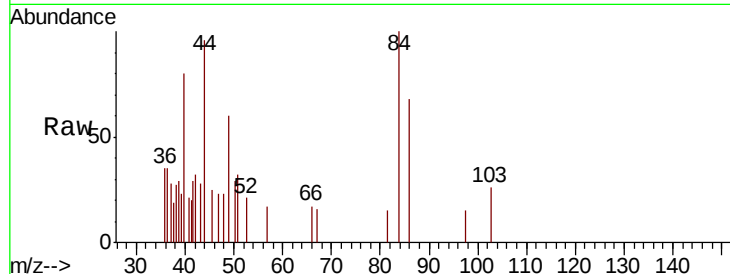
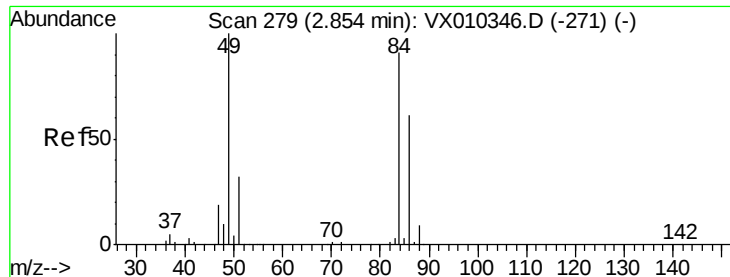
76 100

78 14.2 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

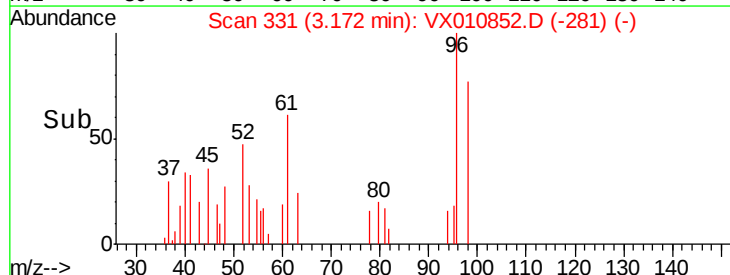
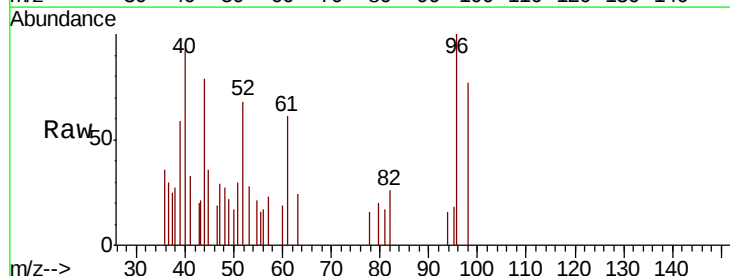
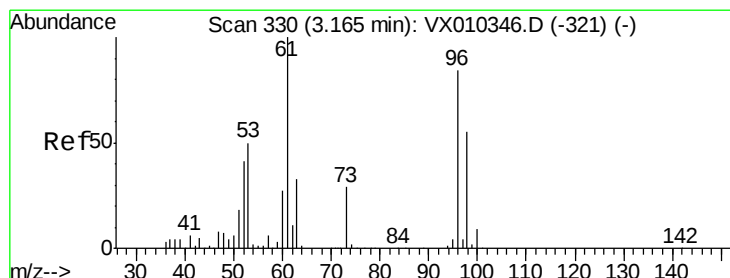
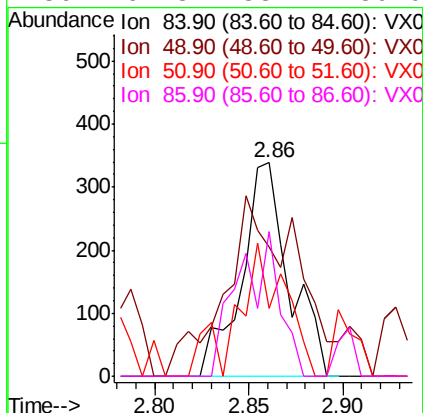




#20
Methvlene Chloride
Concen: 0.282 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

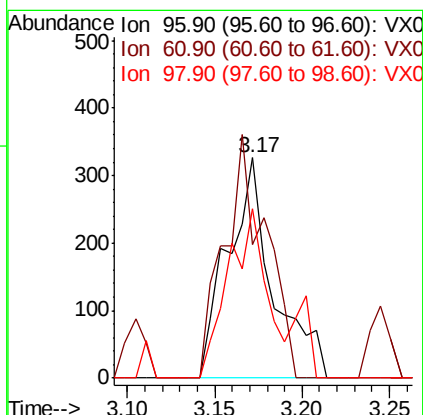
Instrument :
MSVOA_X
ClientSampleId :
VX0712MBL01

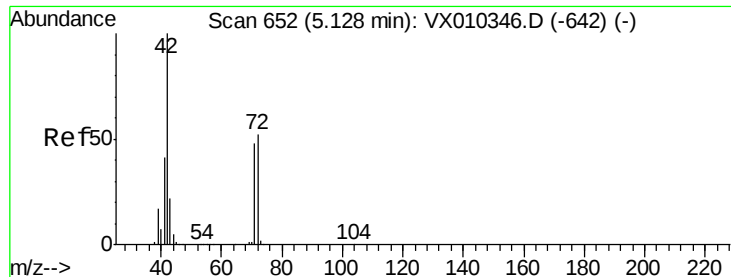
Tot Ion:	84	Resp:	595
Ion	Ratio	Lower	Upper
84	100		
49	44.2	87.5	131.3#
51	31.6	27.7	41.5
86	67.8	53.4	80.0



#21
trans-1,2-Dichloroethene
Concen: 0.290 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Tgt Ion:	96	Resp:	588
Ion	Ratio	Lower	Upper
96	100		
61	60.7	95.6	143.4#
98	76.7	52.5	78.7

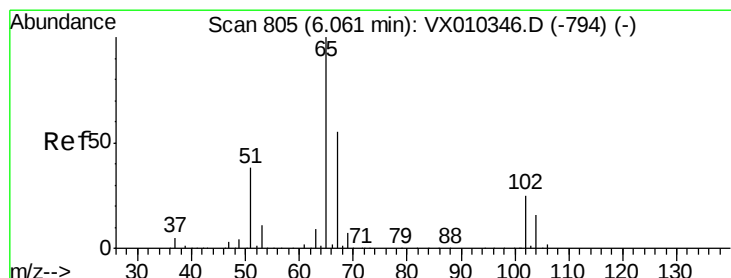
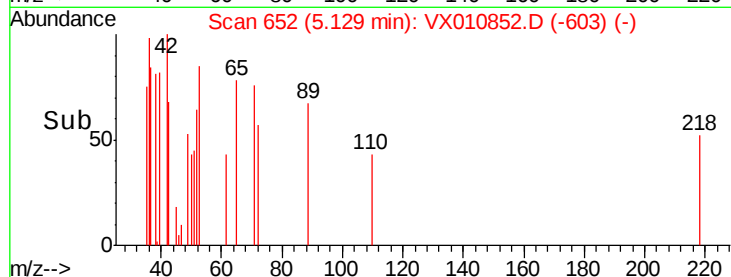
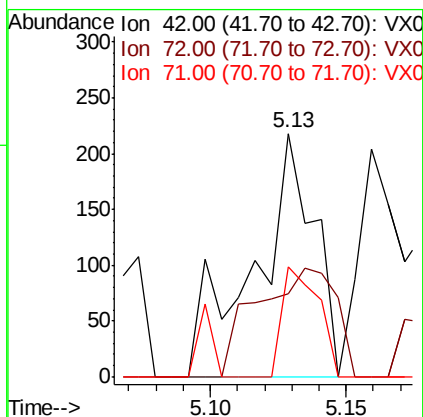
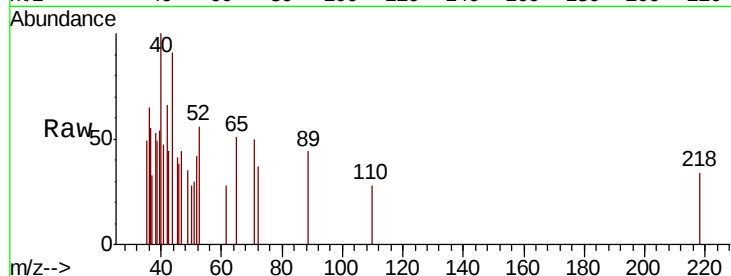




#29
Tetrahydrofuran
Concen: 0.359 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

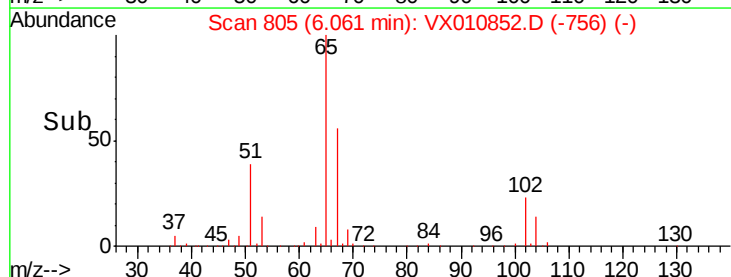
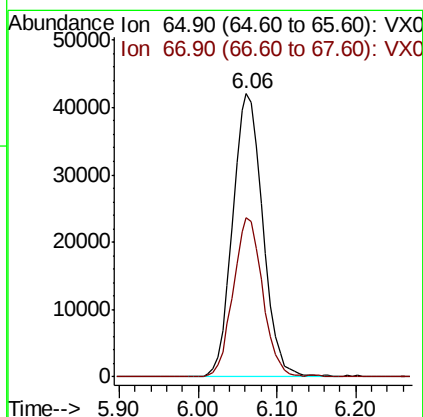
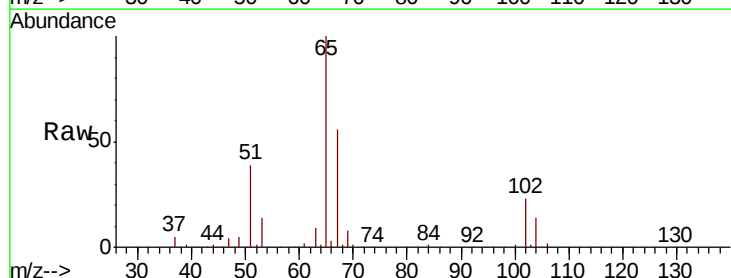
Instrument :
MSVOA_X
ClientSampled :
VX0712MBL01

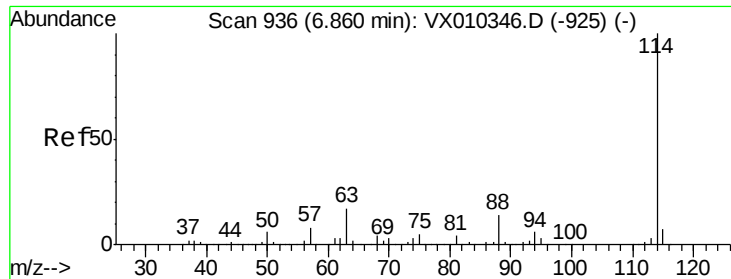
Tot Ion: 42 Resp: 334
Ion Ratio Lower Upper
42 100
72 58.7 40.6 60.8
71 27.5 37.8 56.8#



#33
1,2-Dichloroethane-d4
Concen: 54.745 ug/l
RT: 6.06 min Scan# 805
Delta R.T. 0.00 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Tgt Ion: 65 Resp: 111819
Ion Ratio Lower Upper
65 100
67 55.3 0.0 110.2

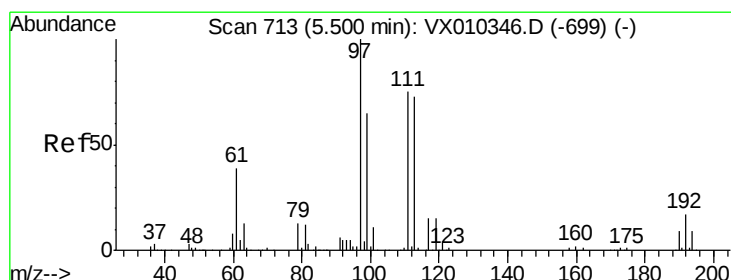
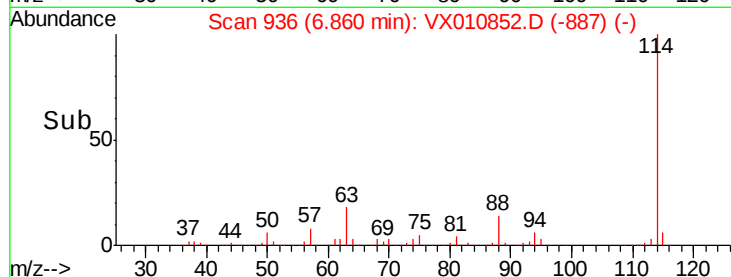
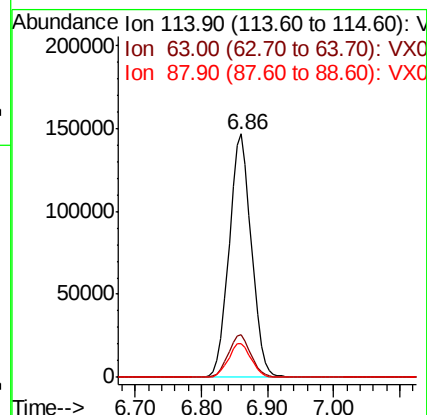
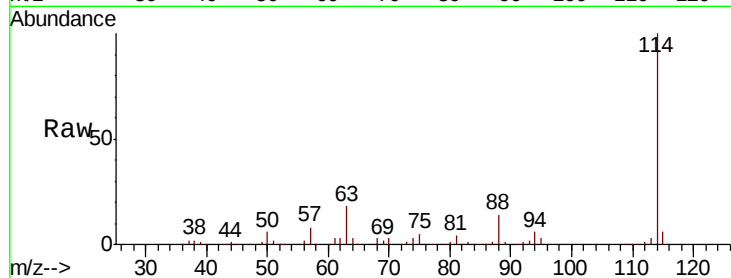




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010852.D
 Acq: 12 Jul 2019 21:53

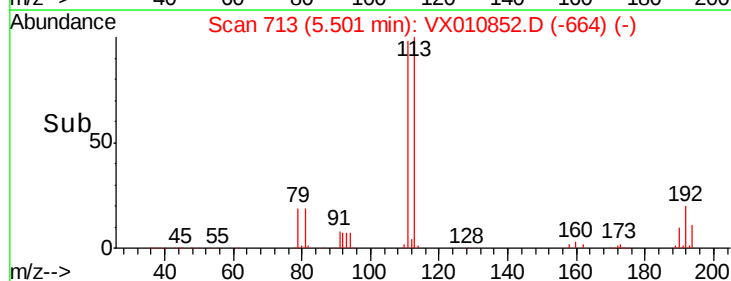
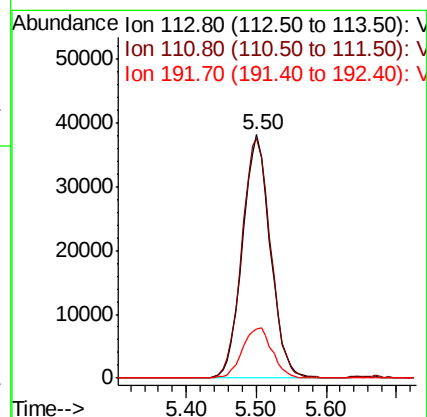
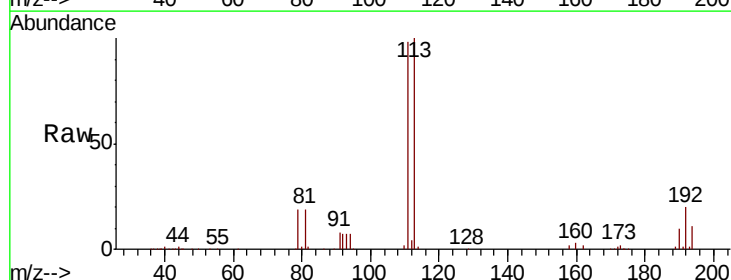
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712MBL01

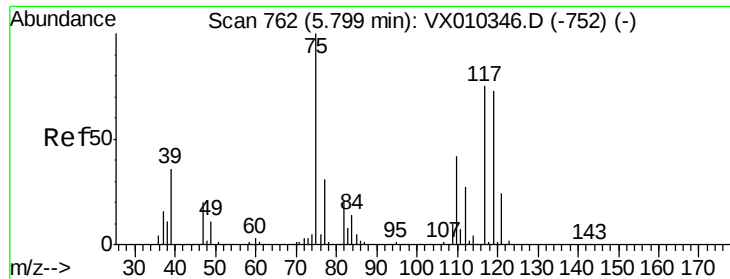
Tot Ion:114 Resp: 342058
 Ion Ratio Lower Upper
 114 100
 63 17.7 0.0 33.8
 88 13.8 0.0 27.6



#35
 Dibromofluoromethane
 Concen: 50.513 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010852.D
 Acq: 12 Jul 2019 21:53

Tgt Ion:113 Resp: 105715
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.2 121.8
 192 22.1 18.6 27.8





#36

1,1-Dichloropropene

Concen: 0.205 ug/l

RT: 5.82 min Scan# 765

Delta R.T. 0.02 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

Instrument :

MSVOA_X

ClientSampled :

VX0712MBL01

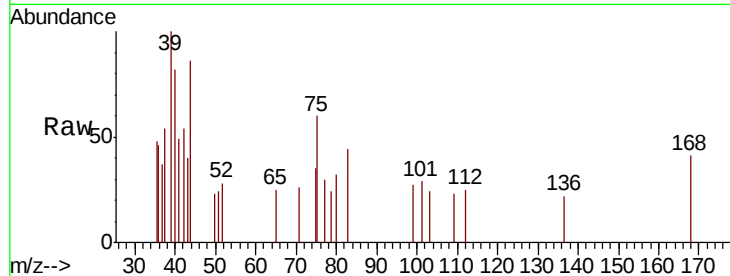
Tot Ion: 75 Resp: 556

Ion Ratio Lower Upper

75 100

110 8.3 20.8 62.2#

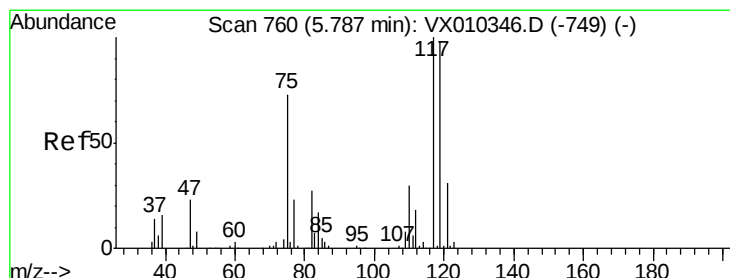
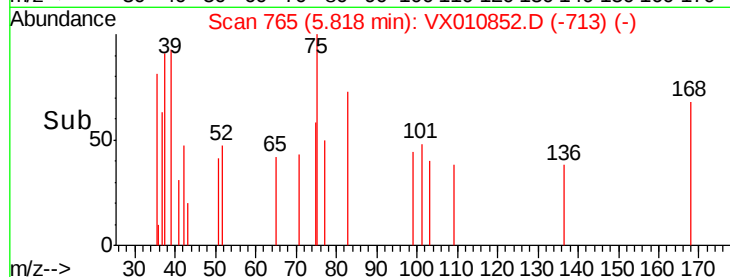
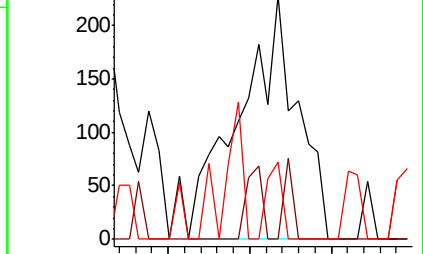
77 8.5 25.4 38.0#



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: 6.586 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

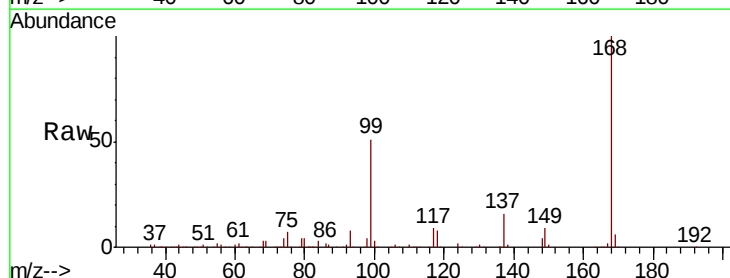
Tgt Ion: 117 Resp: 19386

Ion Ratio Lower Upper

117 100

119 4.1 78.2 117.4#

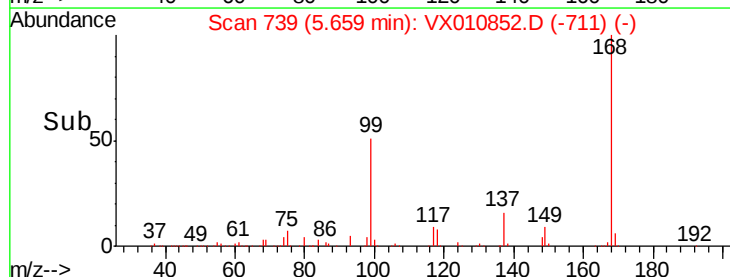
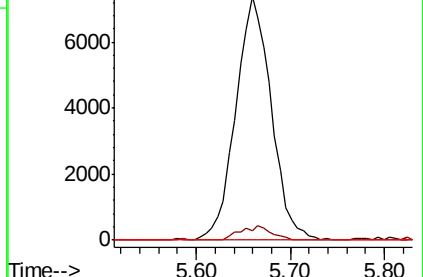
121 0.0 24.7 37.1#

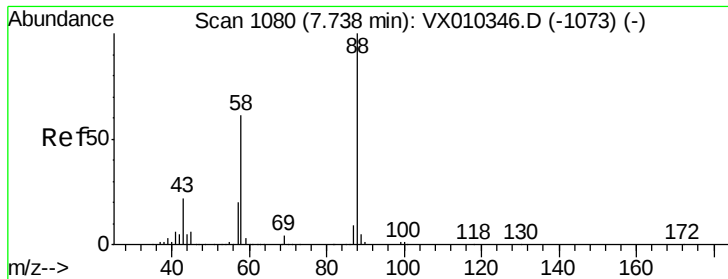


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

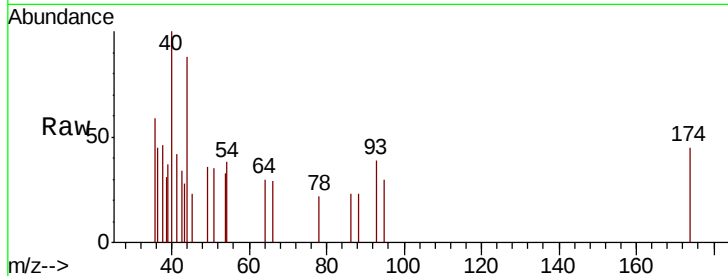




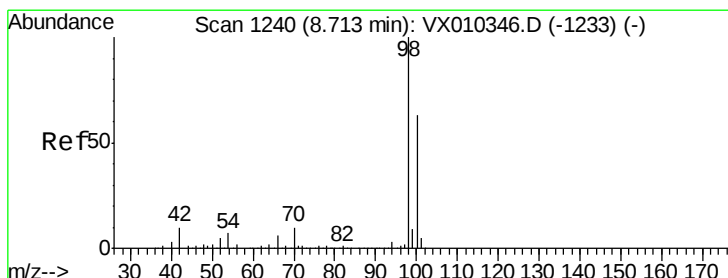
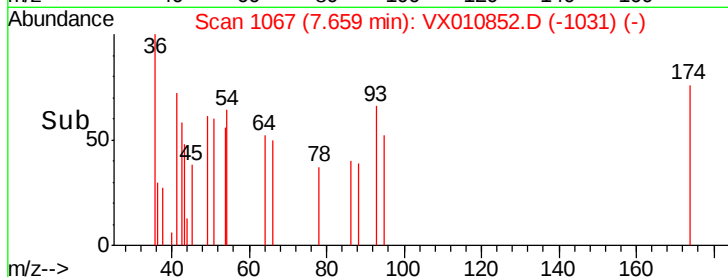
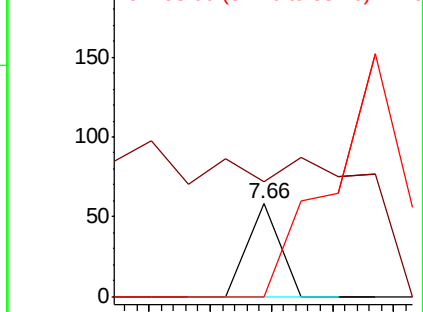
#49
1,4-Dioxane
Concen: 0.339 ug/l
RT: 7.66 min Scan# 1067
Delta R.T. -0.08 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Instrument :
MSVOA_X
ClientSampleId :
VX0712MBL01

Tot Ion: 88 Resp: 21
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.2#
58 0.0 49.5 74.3#

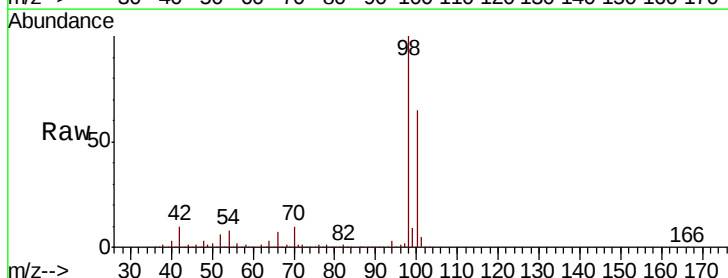


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

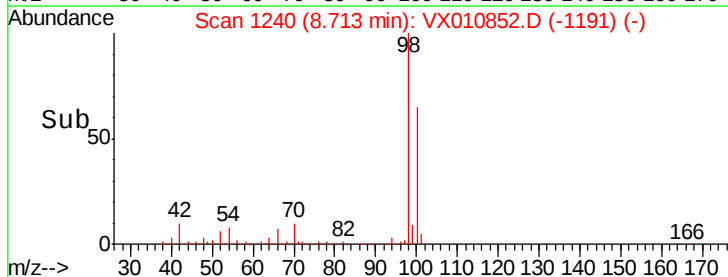
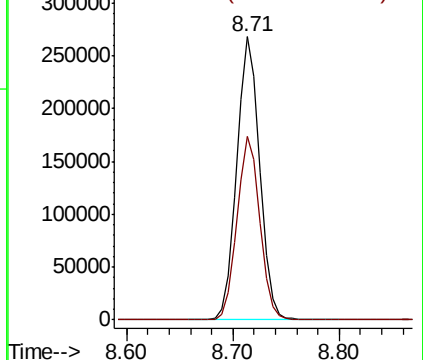


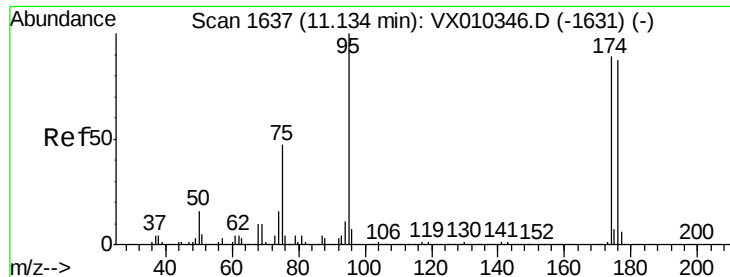
#50
Toluene-d8
Concen: 50.736 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Tgt Ion: 98 Resp: 406232
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4



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

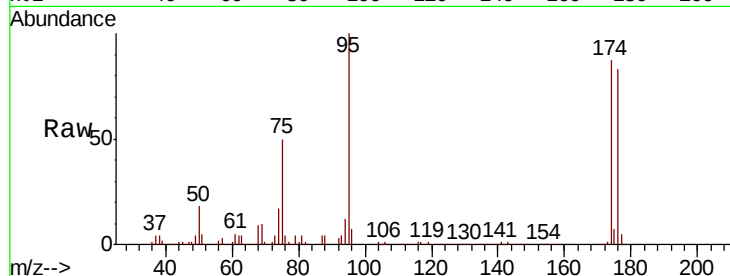




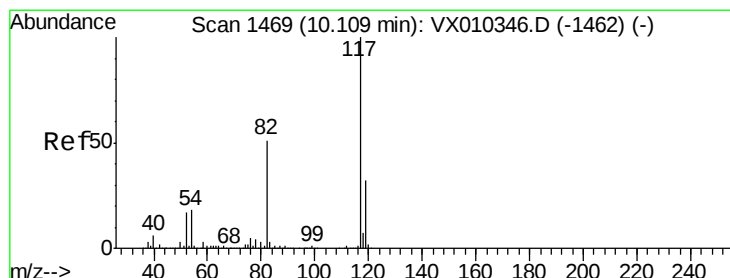
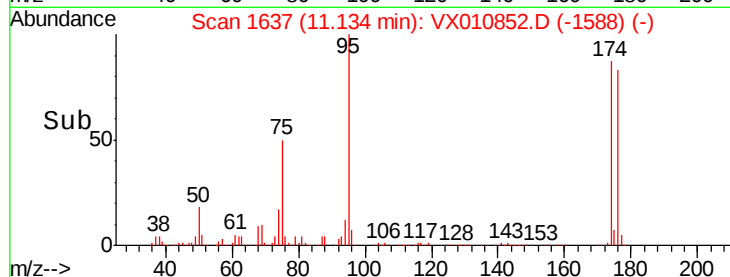
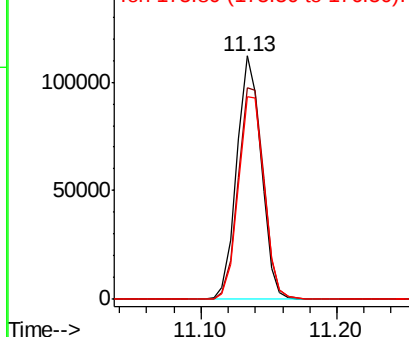
#62
4-Bromofluorobenzene
Concen: 48.558 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Instrument :
MSVOA_X
ClientSampled :
VX0712MBL01

Tot Ion	Ratio	Lower	Upper
95	100		
174	92.0	0.0	187.6
176	88.2	0.0	184.0

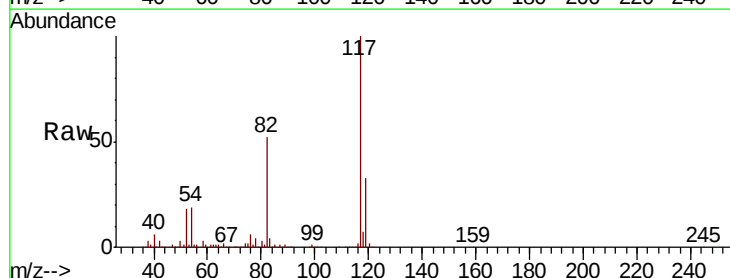


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

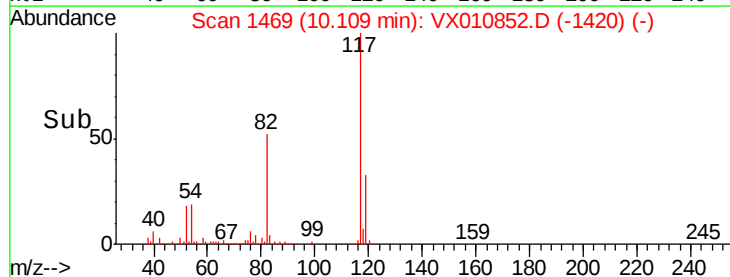
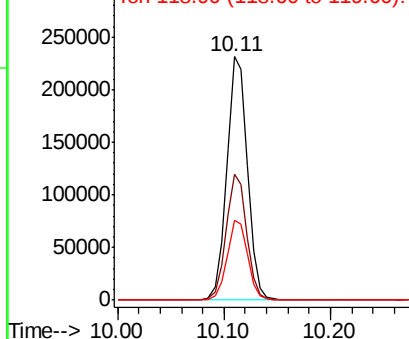


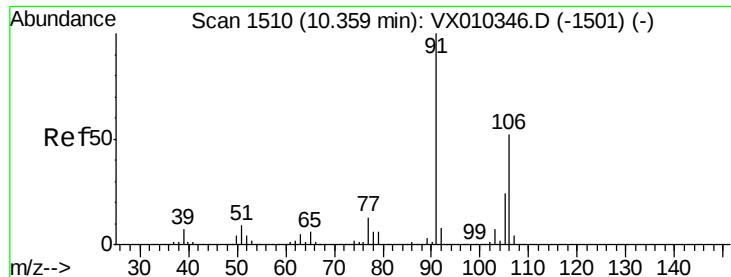
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Tgt Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.2	61.8
119	32.8	25.5	38.3



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

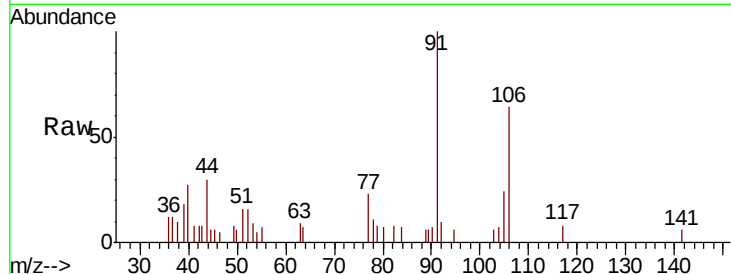




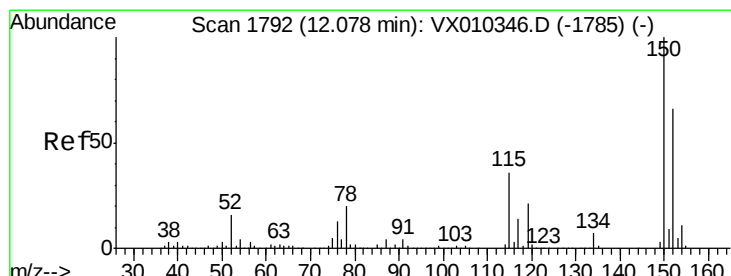
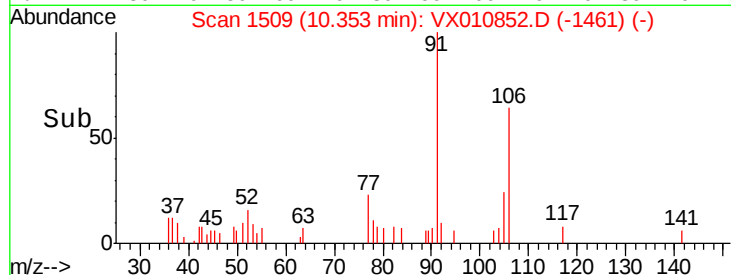
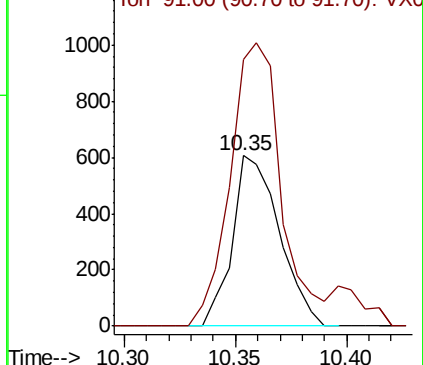
#68
m/p-Xvlenes
Concen: 0.215 ug/l
RT: 10.35 min Scan# 1509
Delta R.T. -0.01 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Instrument :
MSVOA_X
ClientSampleId :
VX0712MBL01

Tot Ion:106 Resp: 894
Ion Ratio Lower Upper
106 100
91 179.9 155.3 232.9

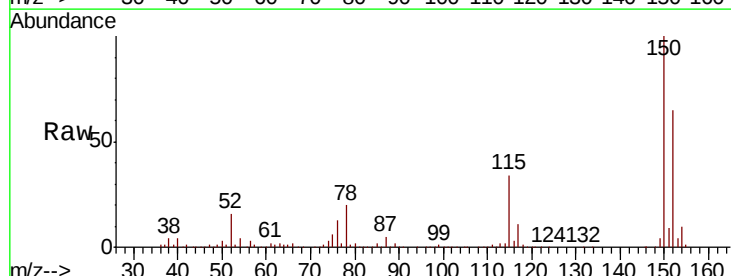


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

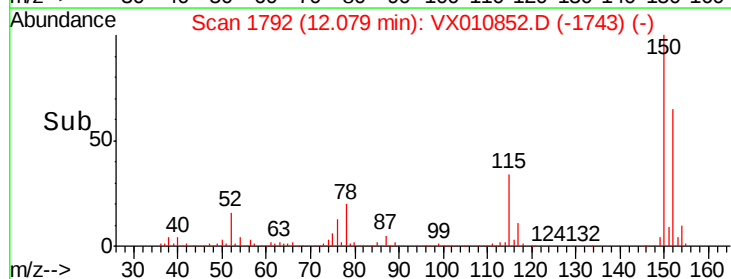
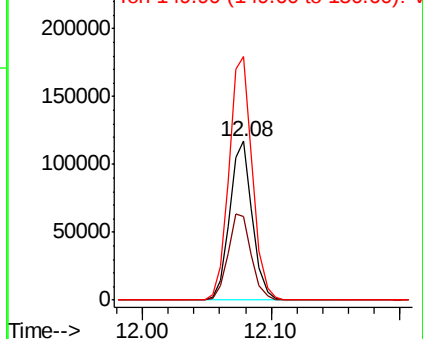


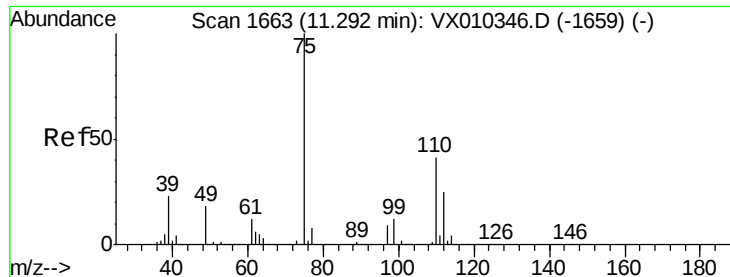
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010852.D
Acq: 12 Jul 2019 21:53

Tgt Ion:152 Resp: 143872
Ion Ratio Lower Upper
152 100
115 56.0 38.6 115.7
150 158.1 0.0 347.4



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





#76

1,2,3-Trichloropropane

Concen: 26.408 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

Instrument :

MSVOA_X

ClientSampleId :

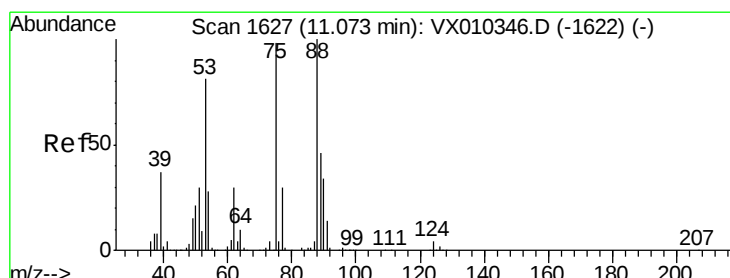
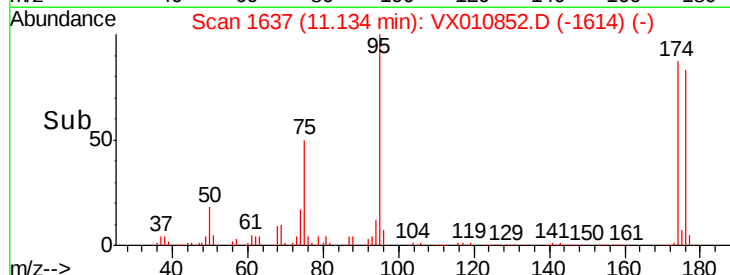
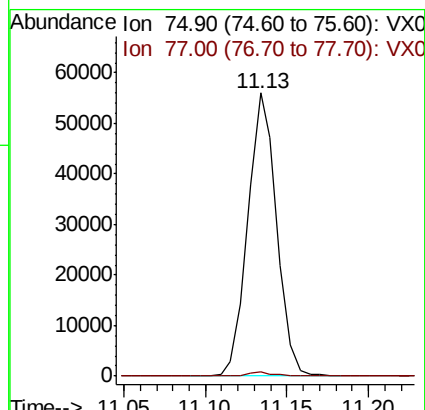
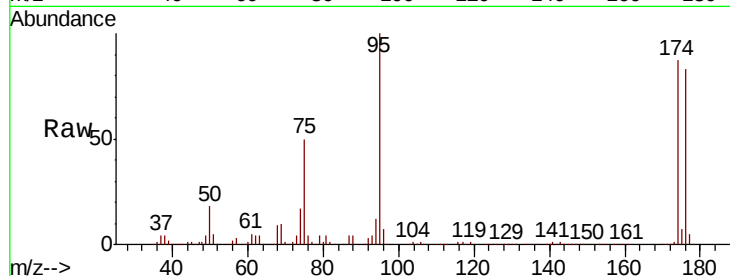
VX0712MBL01

Tot Ion: 75 Resp: 69234

Ion Ratio Lower Upper

75 100

77 1.3 22.6 67.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.607 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

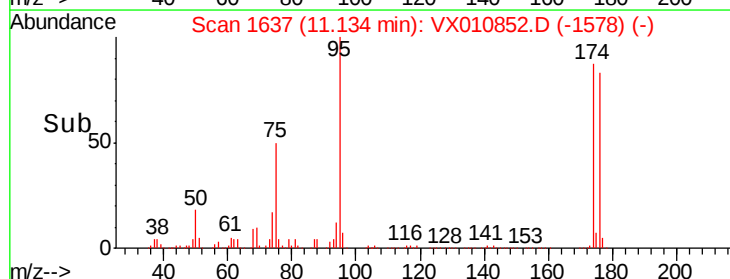
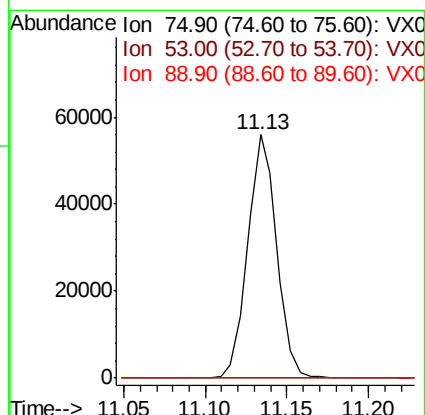
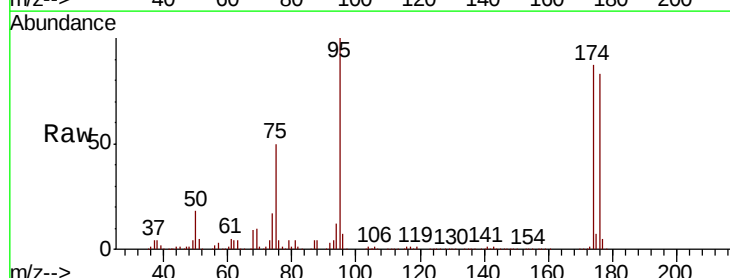
Tgt Ion: 75 Resp: 69234

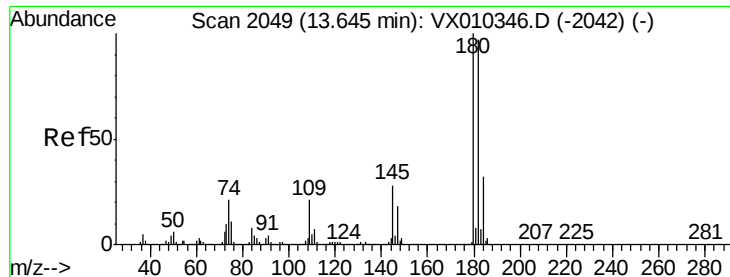
Ion Ratio Lower Upper

75 100

53 0.1 66.1 99.1#

89 0.0 37.8 56.6#

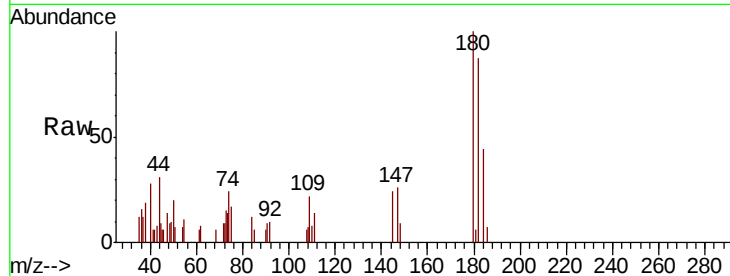




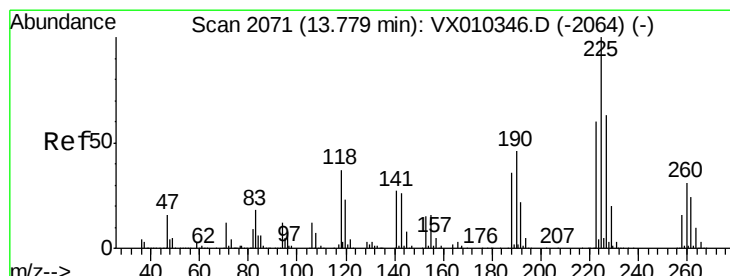
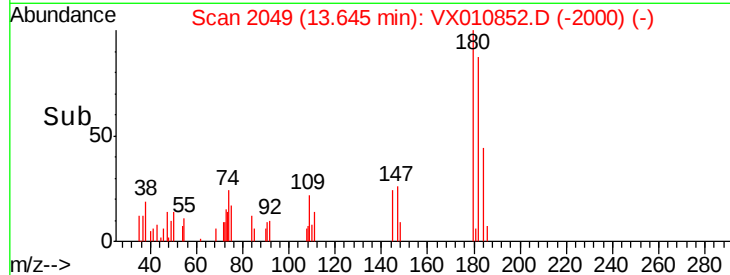
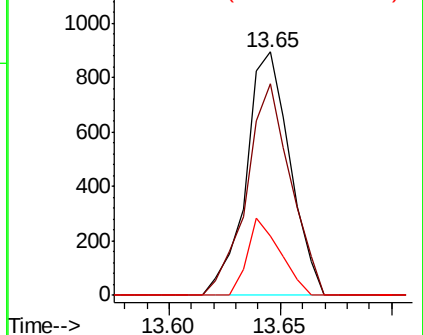
#93
 1,2,4-Trichlorobenzene
 Concen: 0.374 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX010852.D
 Acq: 12 Jul 2019 21:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0712MBL01

Tot Ion:180 Resp: 1226
 Ion Ratio Lower Upper
 180 100
 182 87.4 48.0 144.0
 145 23.9 14.4 43.4

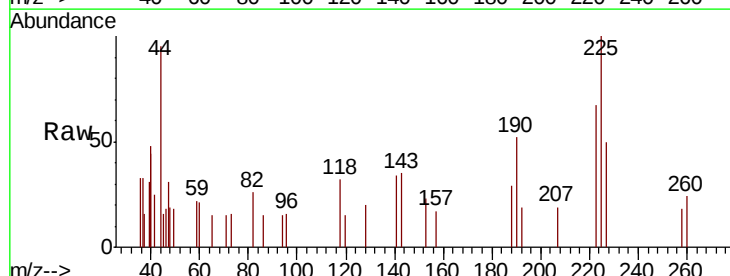


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

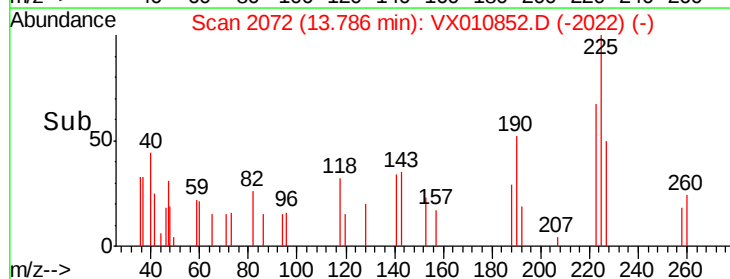
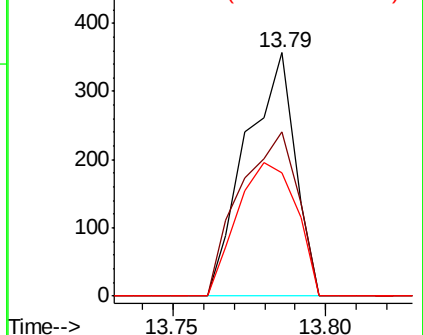


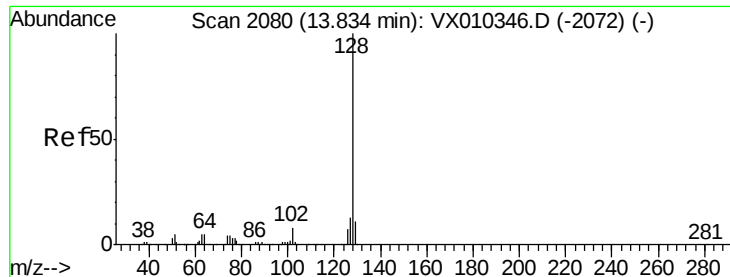
#94
 Hexachlorobutadiene
 Concen: 0.247 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VX010852.D
 Acq: 12 Jul 2019 21:53

Tgt Ion:225 Resp: 396
 Ion Ratio Lower Upper
 225 100
 223 79.5 30.9 92.7
 227 66.2 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.314 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

Instrument :

MSVOA_X

ClientSampleId :

VX0712MBL01

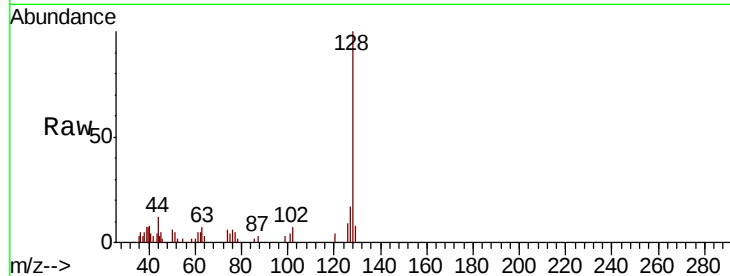
Tot Ion:128 Resp: 3166

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

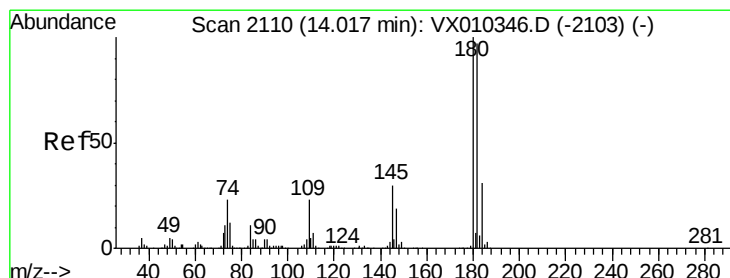
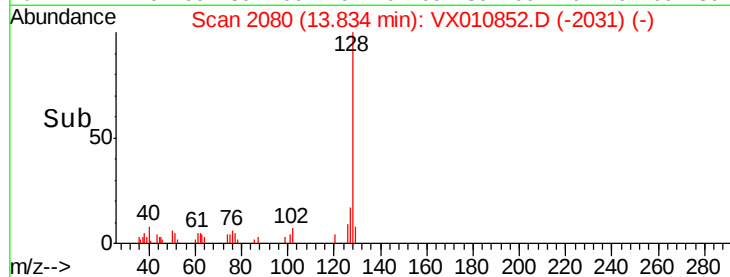
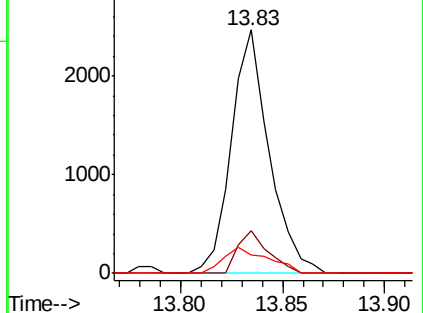
129 12.5 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.353 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. 0.00 min

Lab File: VX010852.D

Acq: 12 Jul 2019 21:53

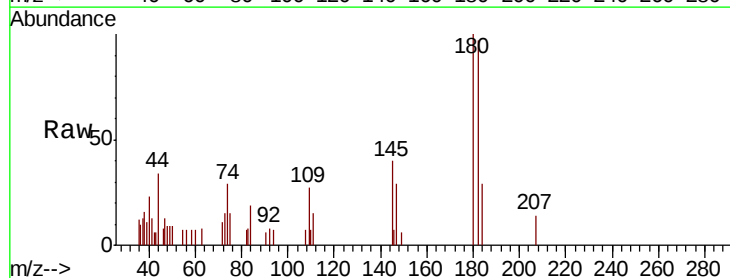
Tgt Ion:180 Resp: 1151

Ion Ratio Lower Upper

180 100

182 87.2 47.8 143.3

145 38.4 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

