

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061220\
 Data File : VX016729.D
 Acq On : 12 Jun 2020 15:33
 Operator : JC/SP
 Sample : L3004-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 13 04:30:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	219581	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	345279	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	356975	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	185262	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	130032	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	5.46	113	109168	51.35	ug/l	0.00
Spiked Amount			Recovery	=	102.70%	
50) Toluene-d8	8.70	98	422408	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.12	95	172204	53.86	ug/l	0.00
Spiked Amount			Recovery	=	107.72%	

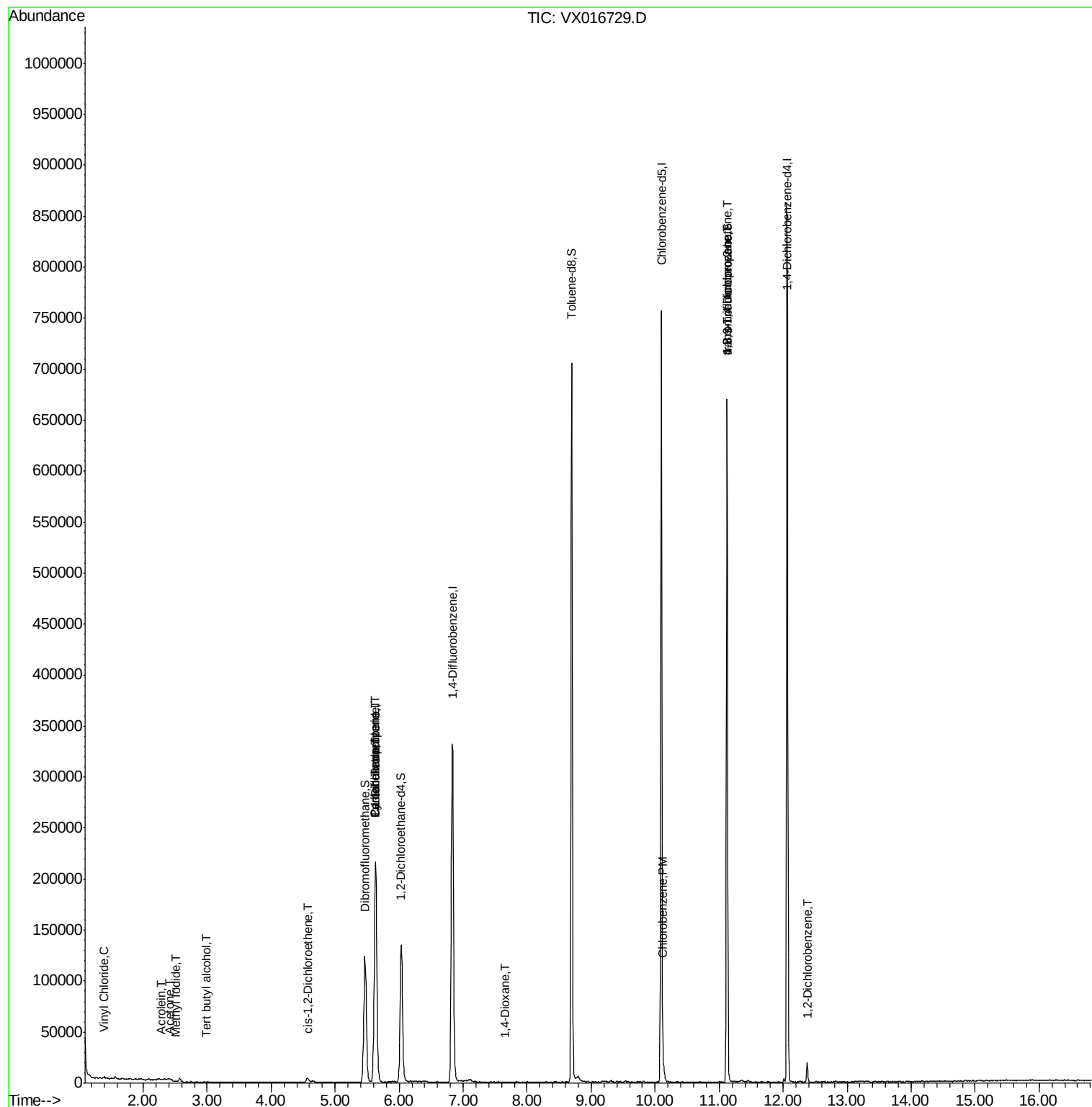
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	1105	0.400	ug/l #	86
10) Methyl Iodide	2.50	142	20	3.063	ug/l #	40
11) Tert butyl alcohol	2.99	59	209	0.299	ug/l #	72
13) Acrolein	2.28	56	137	0.461	ug/l #	38
16) Acetone	2.41	43	1224	1.025	ug/l #	84
27) cis-1,2-Dichloroethene	4.57	96	2938	1.087	ug/l	79
31) Cyclohexane	5.63	56	3708	0.978	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	15231	4.659	ug/l #	50
38) Carbon Tetrachloride	5.64	117	20810	6.057	ug/l #	16
49) 1,4-Dioxane	7.66	88	19	0.277	ug/l #	1
65) Chlorobenzene	10.12	112	5232	0.719	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	82081	20.157	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	82081	49.582	ug/l #	14
91) 1,2-Dichlorobenzene	12.38	146	6270	1.110	ug/l	99

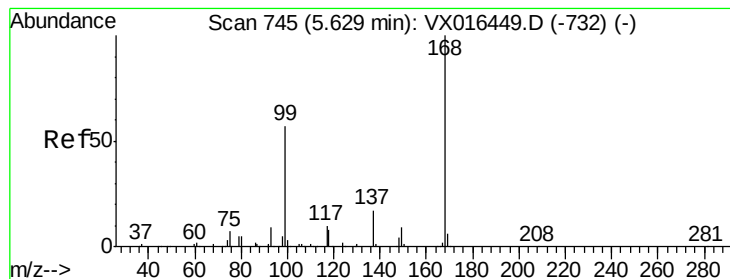
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016729.D

Acq: 12 Jun 2020 15:33

Instrument :

MSVOA_X

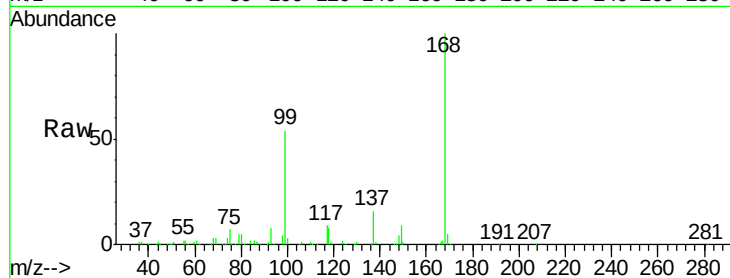
ClientSampleId :

Tot Ion:168 Resp: 219581

Ion Ratio Lower Upper

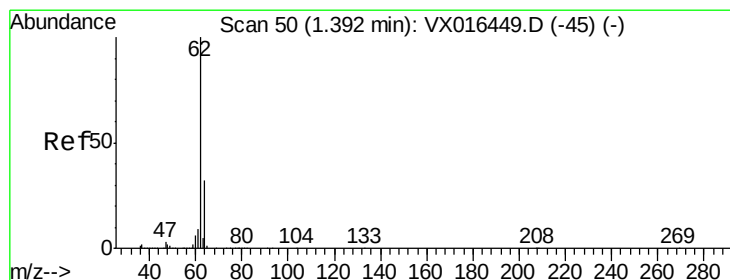
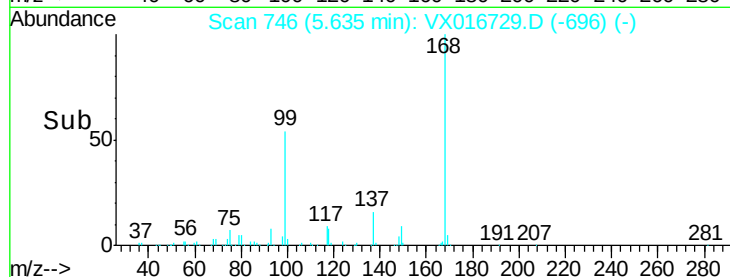
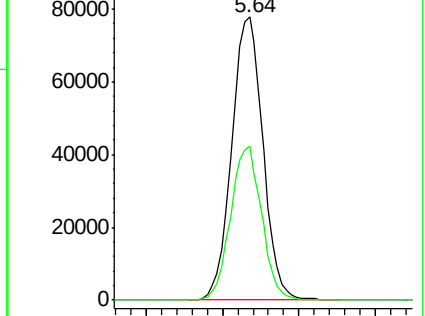
168 100

99 54.4 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.400 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016729.D

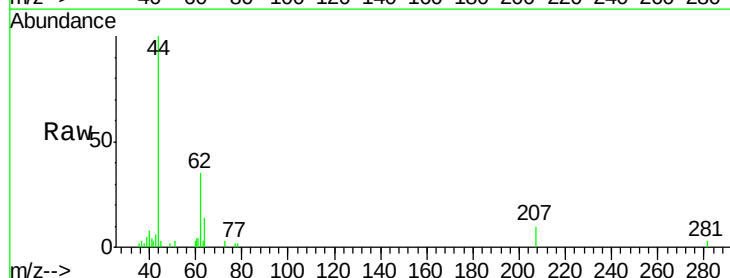
Acq: 12 Jun 2020 15:33

Tgt Ion: 62 Resp: 1105

Ion Ratio Lower Upper

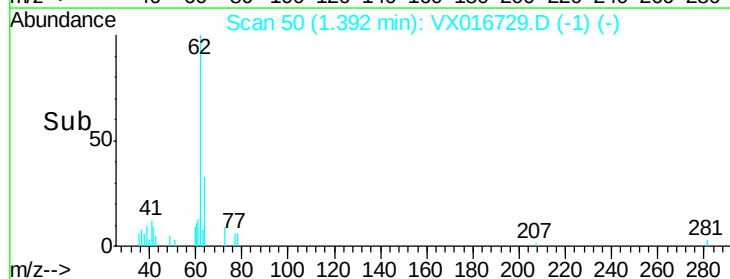
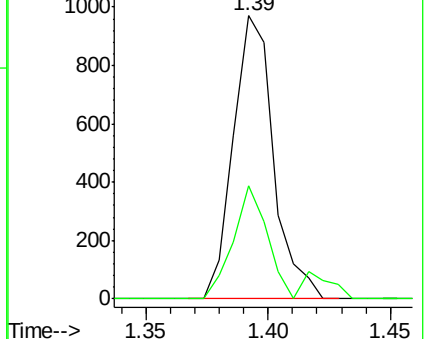
62 100

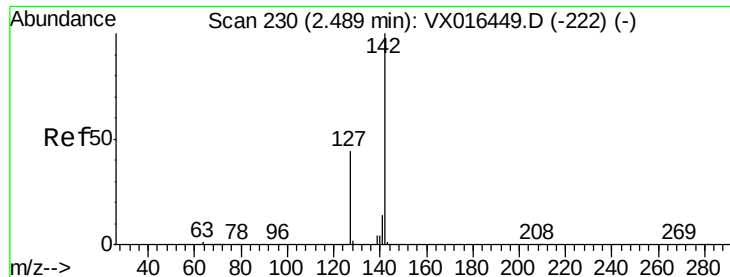
64 40.1 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

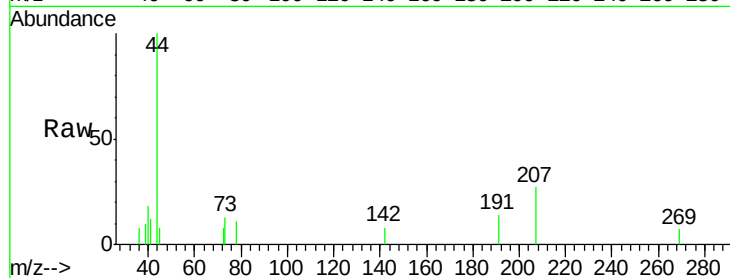




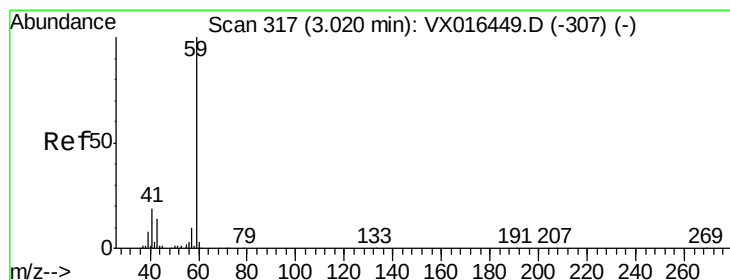
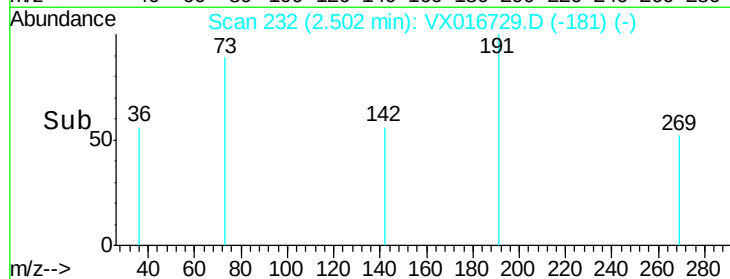
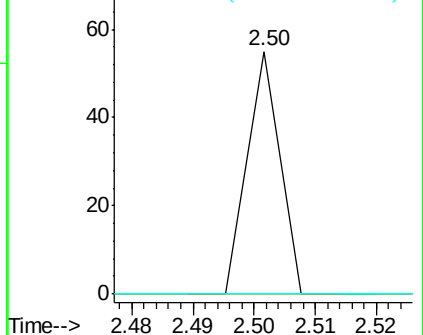
#10
Methyl Iodide
Concen: 3.063 ug/l
RT: 2.50 min Scan# 232
Delta R.T. 0.01 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:142 Resp: 20
Ion Ratio Lower Upper
142 100
127 0.0 35.3 52.9#
141 0.0 11.4 17.2#

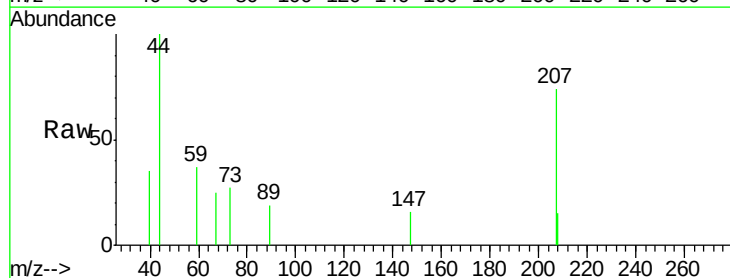


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

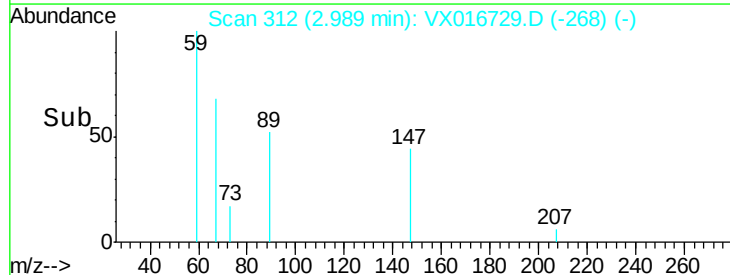
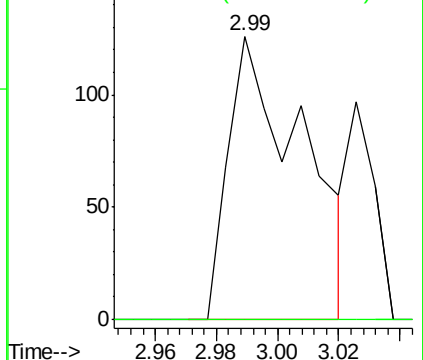


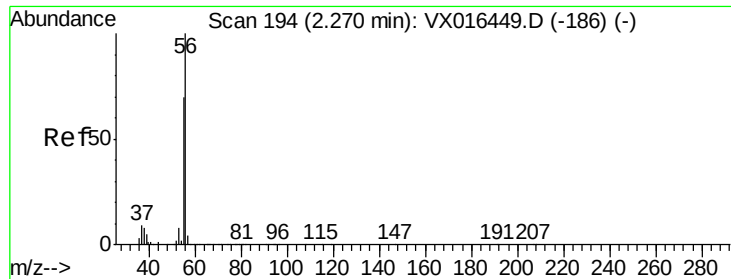
#11
Tert butyl alcohol
Concen: 0.299 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.03 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

Tgt Ion: 59 Resp: 209
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



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





#13

Acrolein

Concen: 0.461 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX016729.D

Acq: 12 Jun 2020 15:33

Instrument :

MSVOA_X

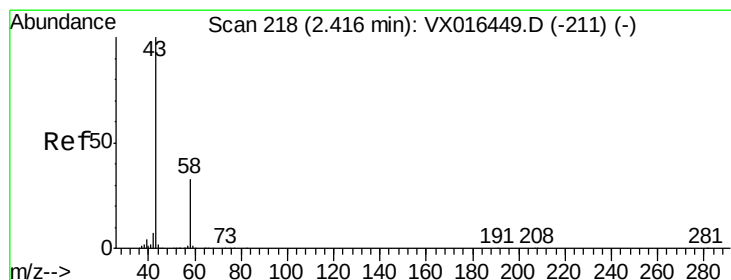
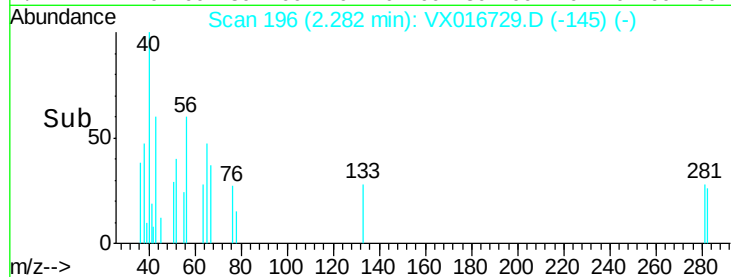
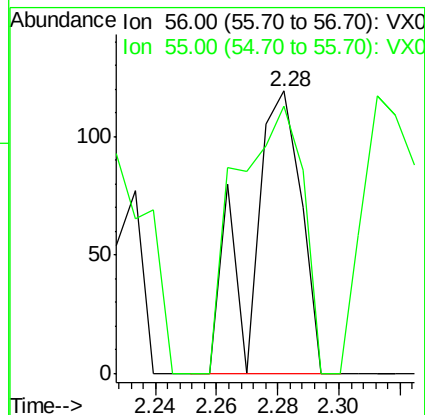
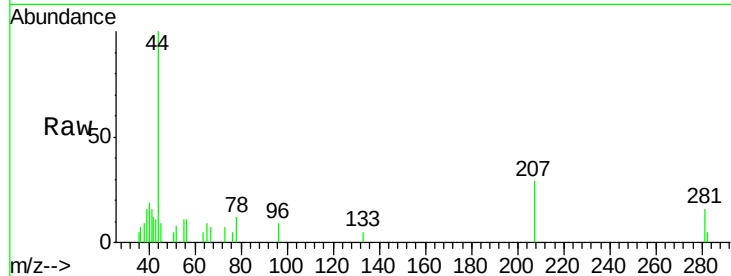
ClientSampleId :

Tot Ion: 56 Resp: 137

Ion Ratio Lower Upper

56 100

55 124.8 58.3 87.5#



#16

Acetone

Concen: 1.025 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX016729.D

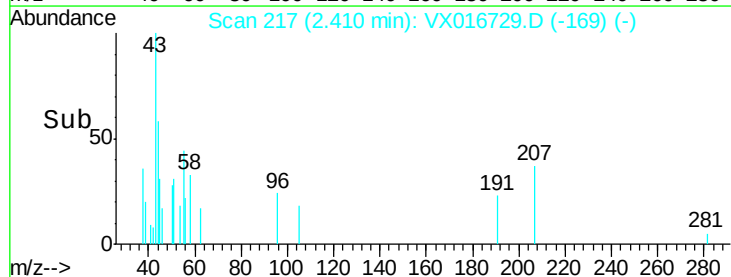
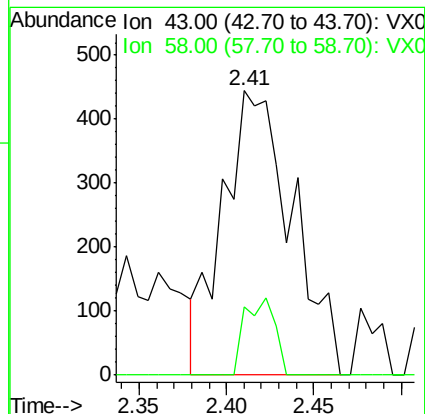
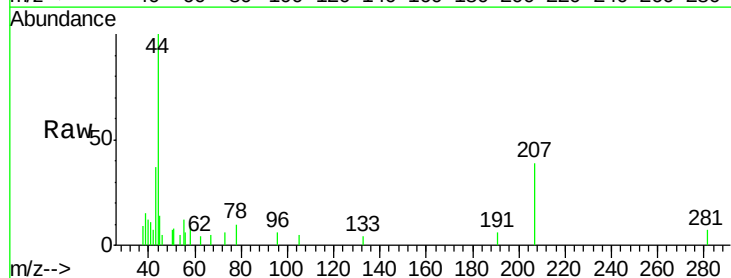
Acq: 12 Jun 2020 15:33

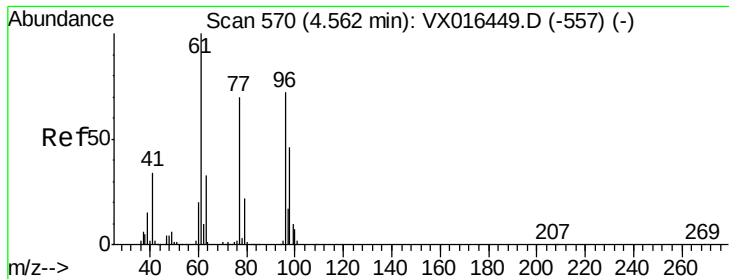
Tgt Ion: 43 Resp: 1224

Ion Ratio Lower Upper

43 100

58 23.6 26.1 39.1#



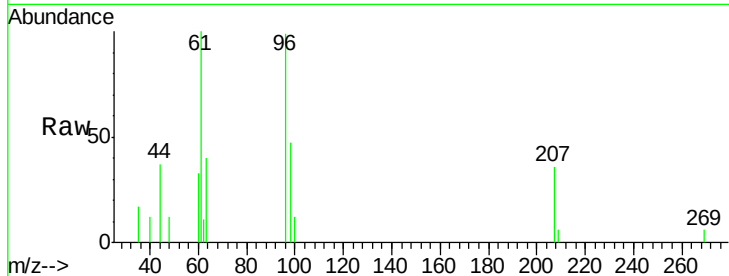


#27

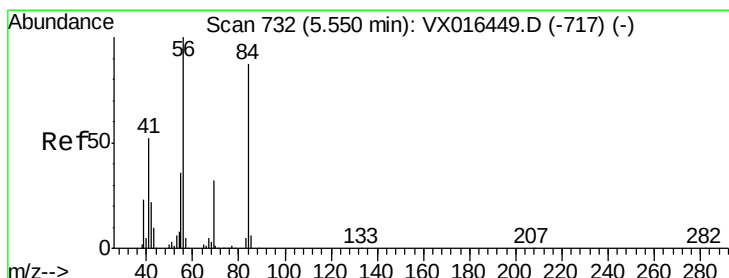
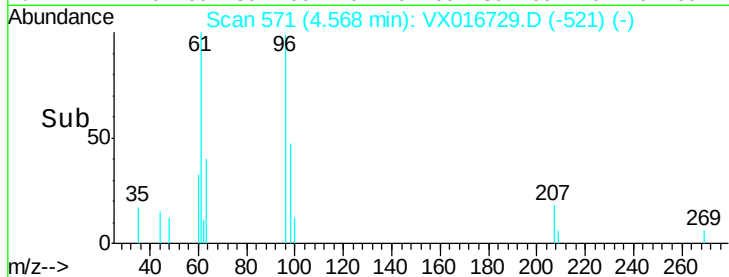
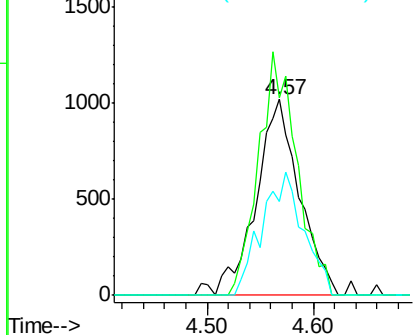
cis-1,2-Dichloroethene
Concen: 1.087 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	96	Resp	2938
Ion	Ratio	Lower	Upper
96	100		
61	108.3	0.0	284.6
98	59.3	0.0	127.2



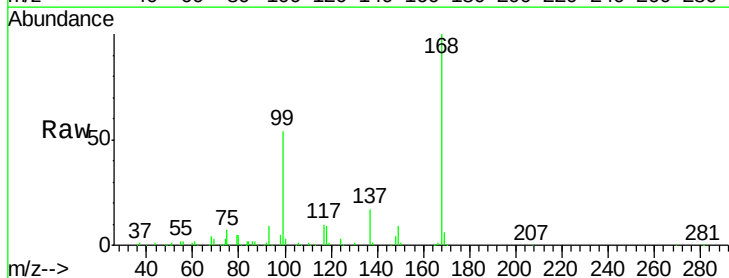
Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



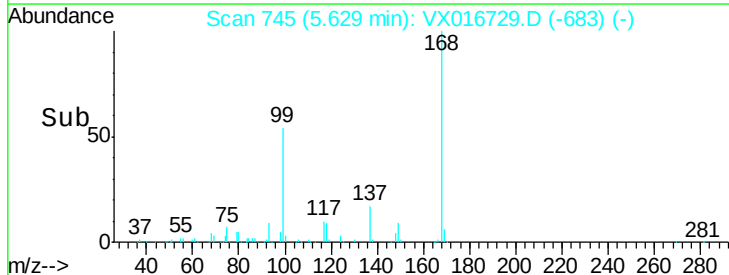
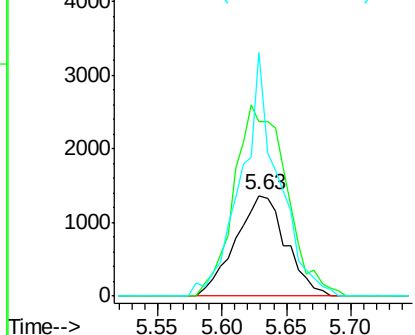
#31

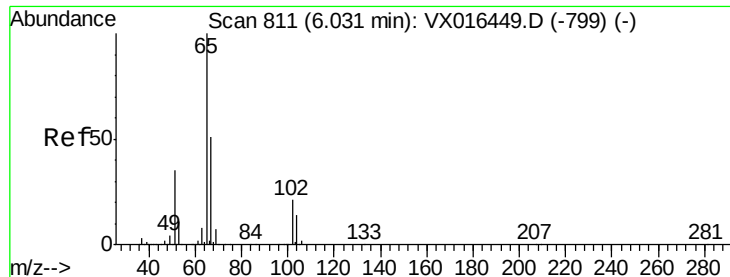
Cyclohexane
Concen: 0.978 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

Tgt Ion	56	Resp	3708
Ion	Ratio	Lower	Upper
56	100		
69	173.7	25.7	38.5#
84	242.5	70.0	105.0#



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

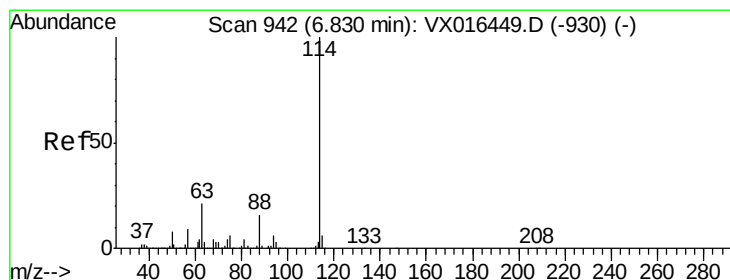
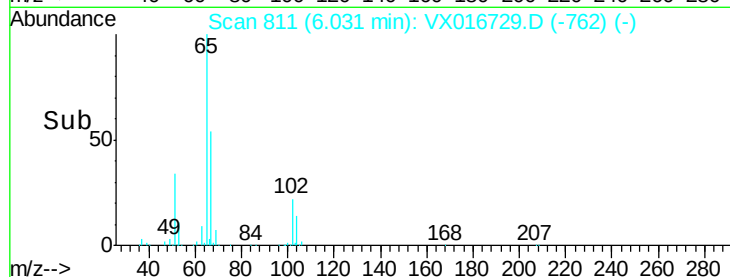
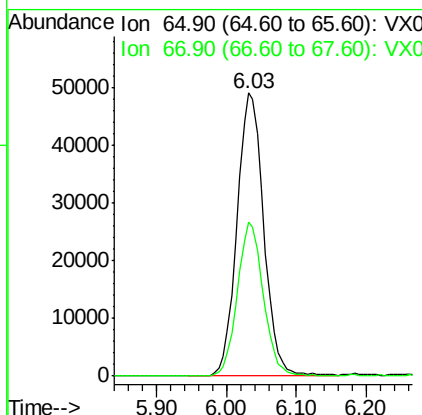
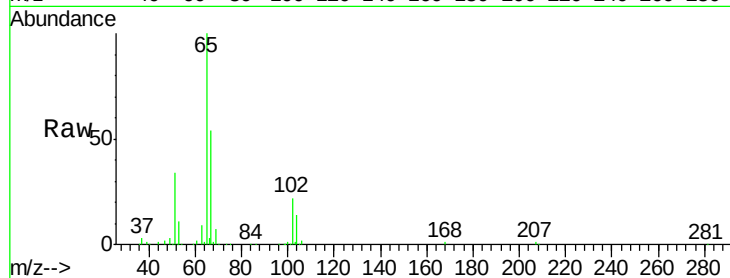




#33
 1,2-Dichloroethane-d4
 Concen: 47.685 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX016729.D
 Acq: 12 Jun 2020 15:33

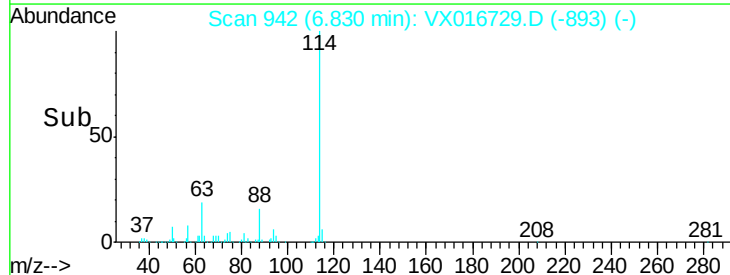
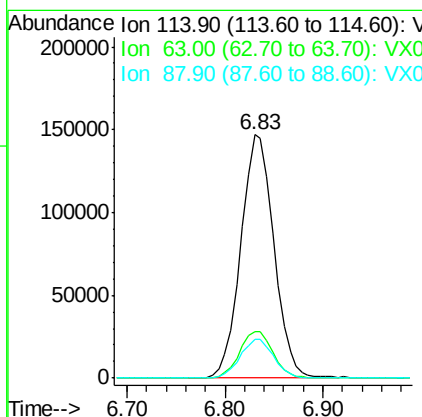
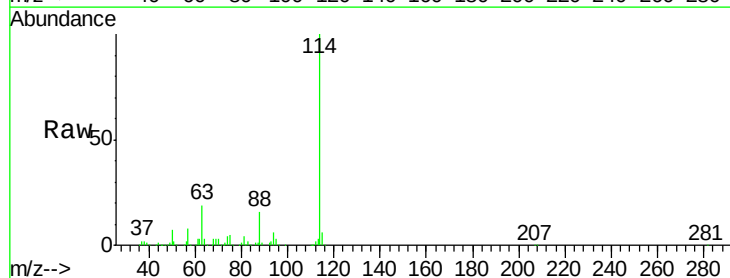
Instrument :
 MSVOA_X
 ClientSampled :

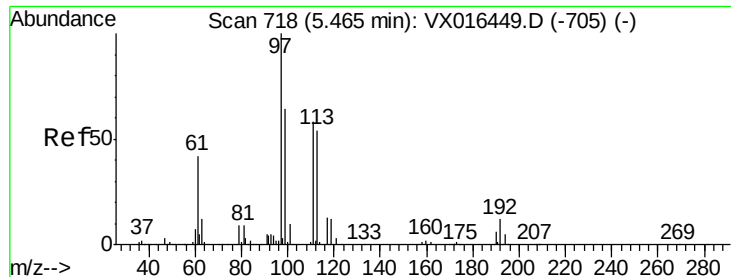
Tot Ion: 65 Resp: 130032
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016729.D
 Acq: 12 Jun 2020 15:33

Tgt Ion: 114 Resp: 345279
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 42.6
 88 15.9 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.348 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016729.D

Acq: 12 Jun 2020 15:33

Instrument :
MSVOA_X
ClientSampleId :

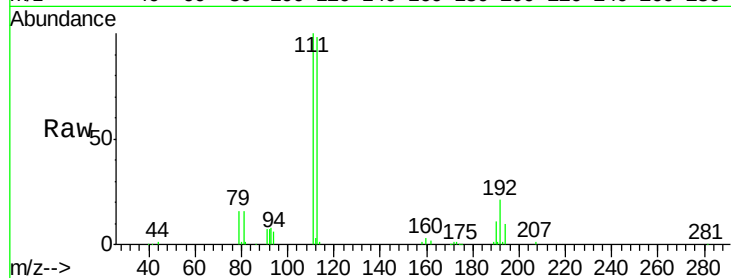
Tot Ion:113 Resp: 109168

Ion Ratio Lower Upper

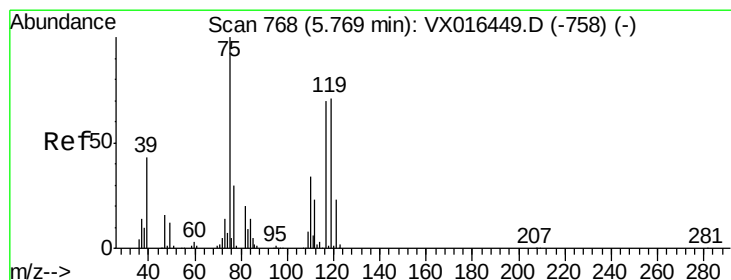
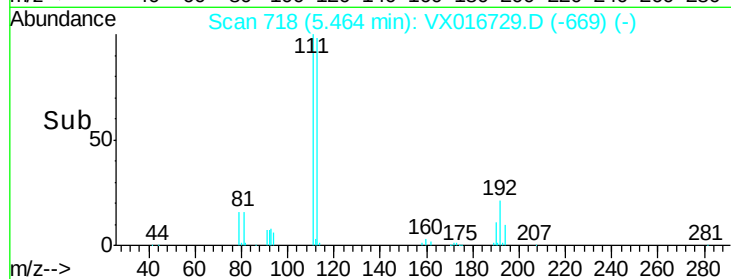
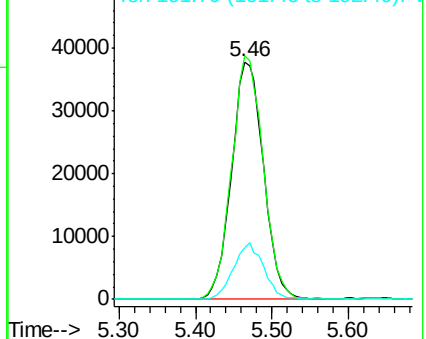
113 100

111 101.5 83.0 124.6

192 22.6 17.7 26.5



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: 4.659 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016729.D

Acq: 12 Jun 2020 15:33

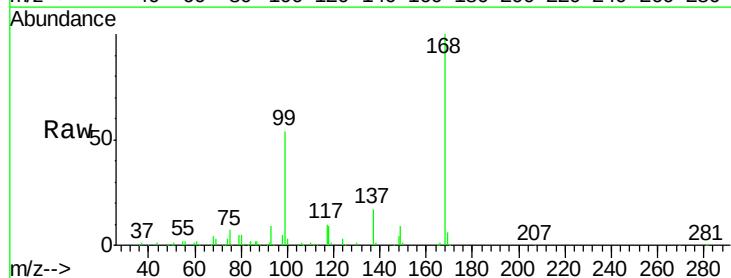
Tgt Ion: 75 Resp: 15231

Ion Ratio Lower Upper

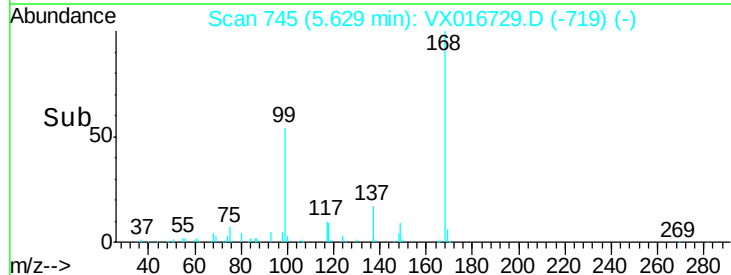
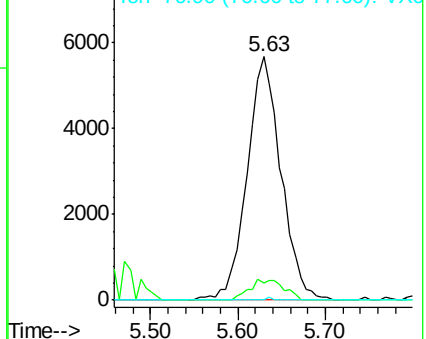
75 100

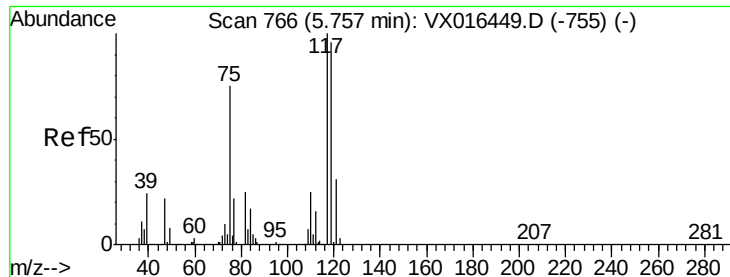
110 8.5 17.4 52.3#

77 0.1 24.2 36.4#



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: 6.057 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016729.D

Acq: 12 Jun 2020 15:33

Instrument :

MSVOA_X

ClientSampleId :

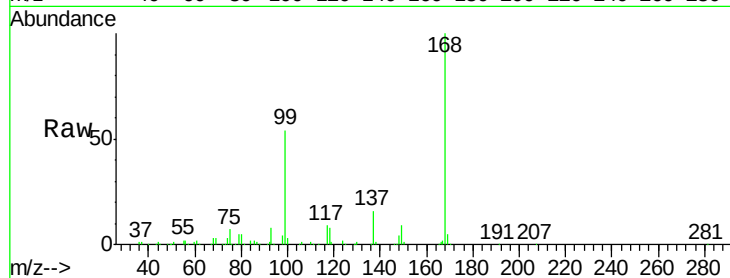
Tot Ion:117 Resp: 20810

Ion Ratio Lower Upper

117 100

119 5.4 76.3 114.5#

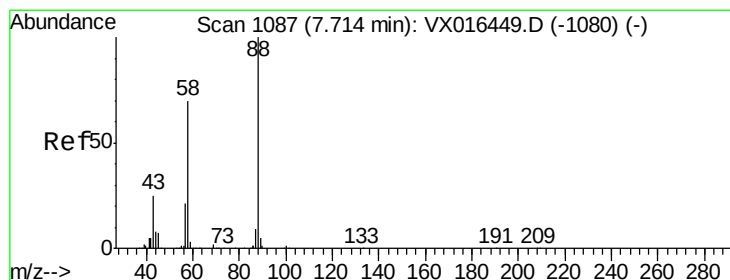
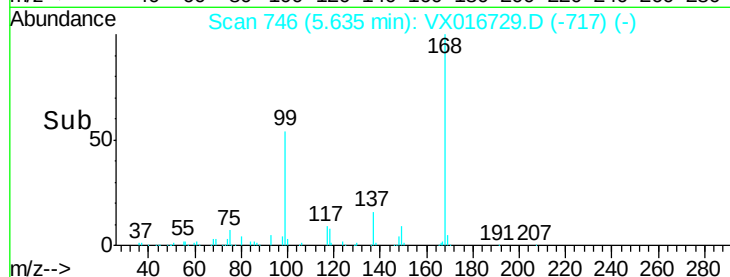
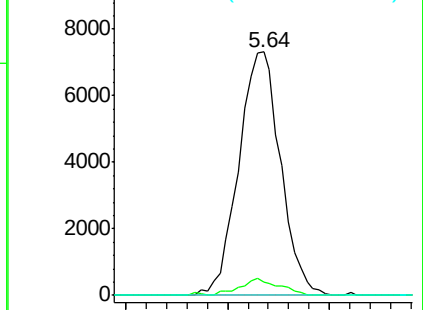
121 0.0 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 0.277 ug/l

RT: 7.66 min Scan# 1078

Delta R.T. -0.05 min

Lab File: VX016729.D

Acq: 12 Jun 2020 15:33

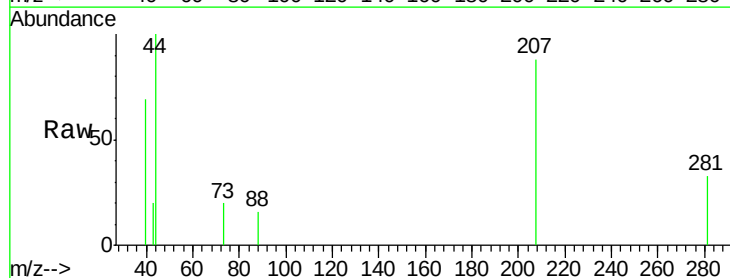
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 136.8 24.2 36.4#

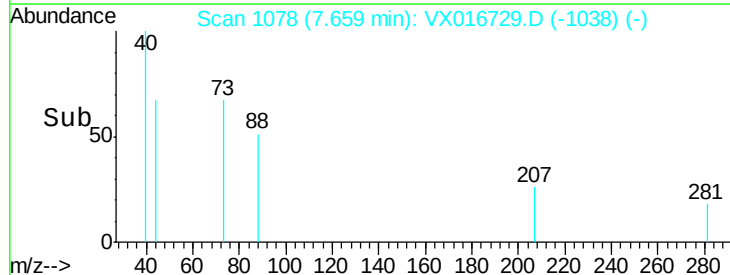
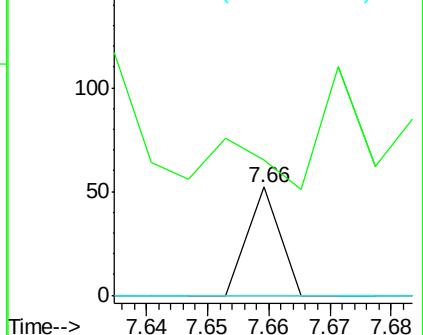
58 0.0 56.5 84.7#

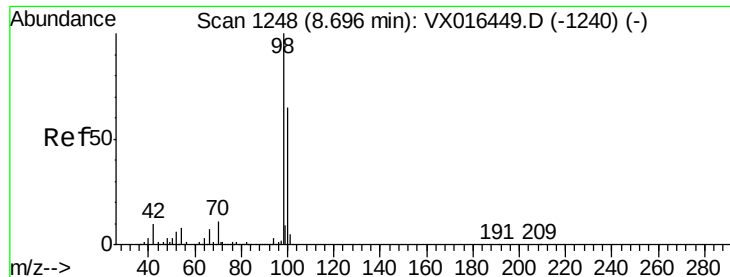


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

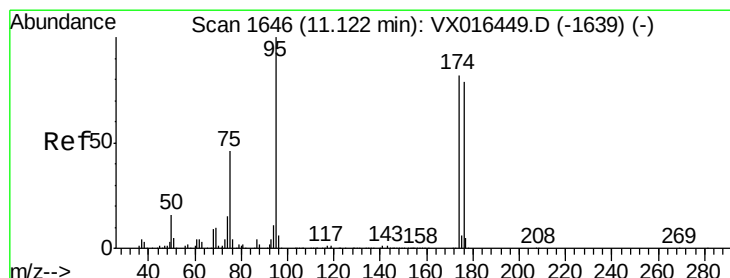
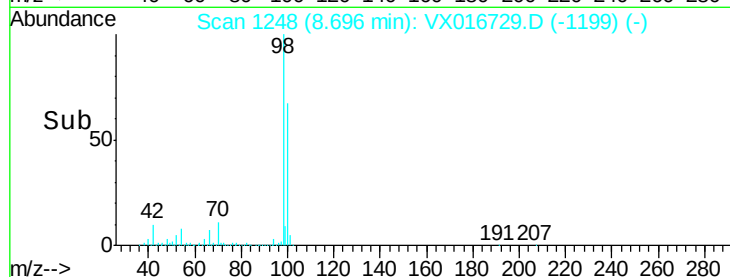
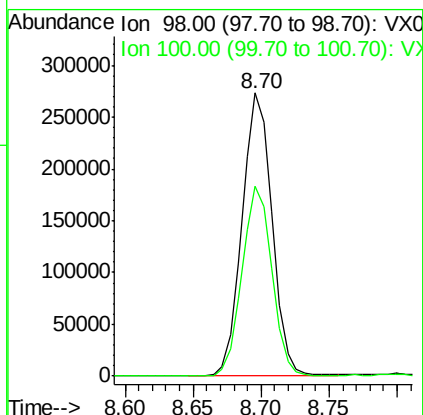
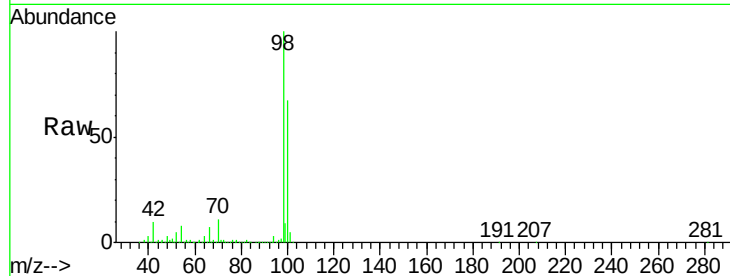




#50
Toluene-d8
Concen: 51.046 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

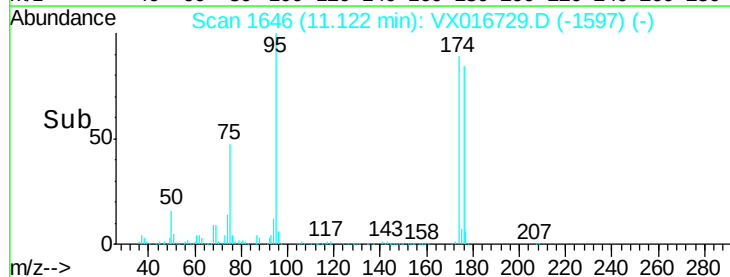
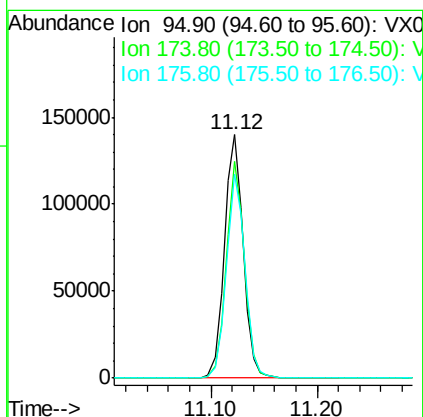
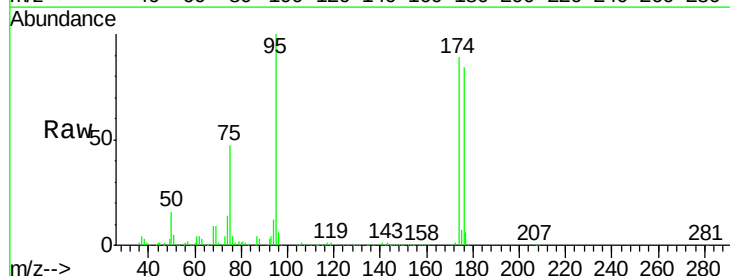
Instrument :
MSVOA_X
ClientSampleId :

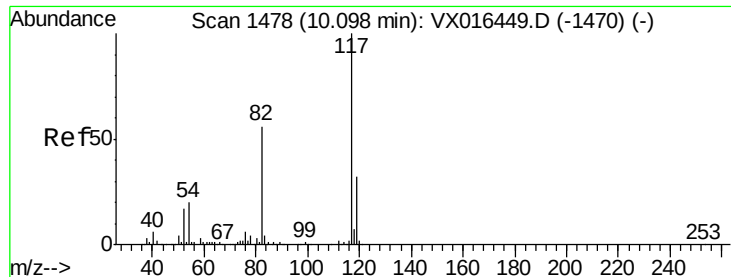
Tot Ion: 98 Resp: 422408
Ion Ratio Lower Upper
98 100
100 66.9 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 53.857 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

Tgt Ion: 95 Resp: 172204
Ion Ratio Lower Upper
95 100
174 86.7 0.0 163.0
176 83.6 0.0 156.8

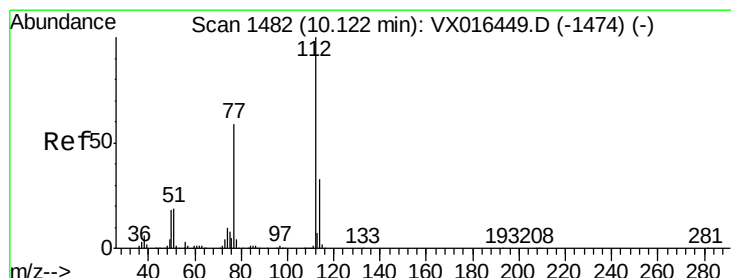
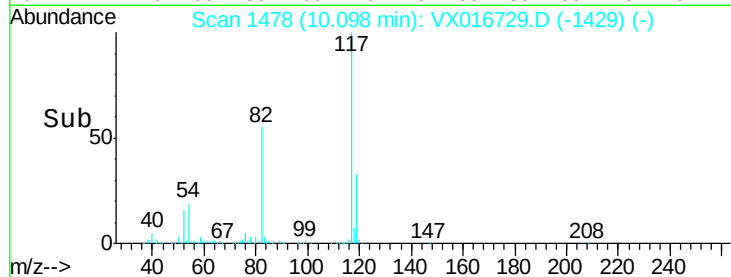
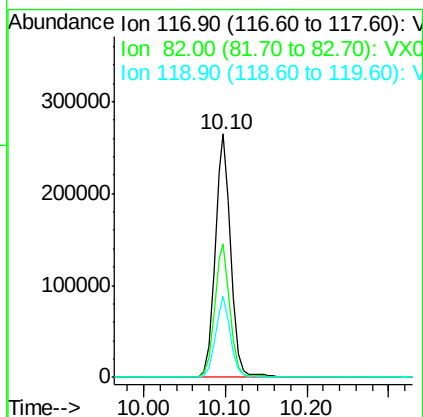
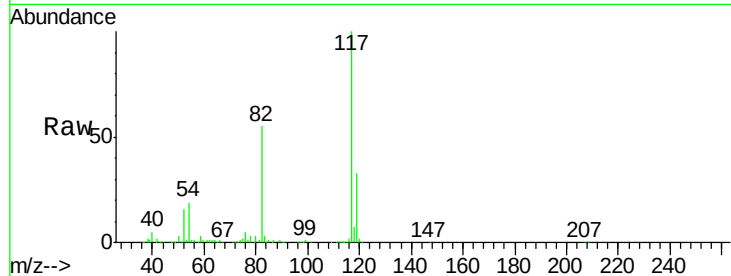




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

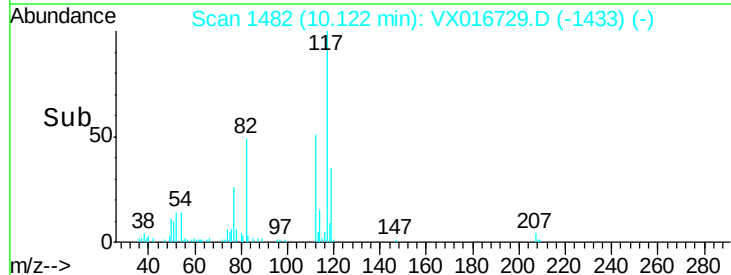
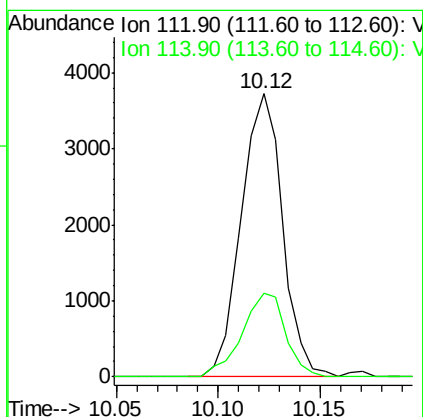
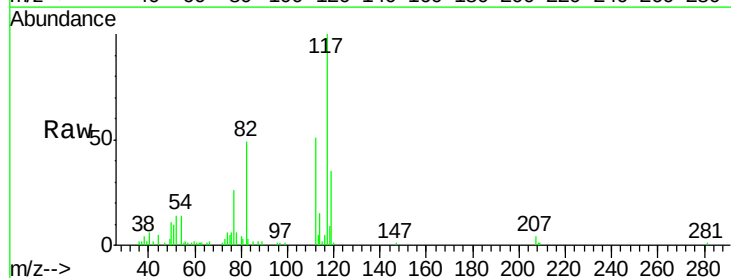
Instrument :
MSVOA_X
ClientSampleId :

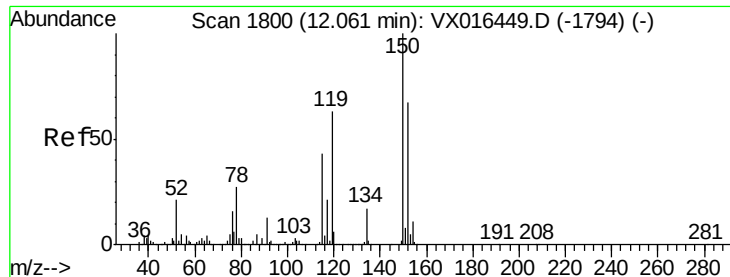
Tot Ion:117 Resp: 356975
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 33.2 25.8 38.8



#65
Chlorobenzene
Concen: 0.719 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

Tgt Ion:112 Resp: 5232
Ion Ratio Lower Upper
112 100
114 29.6 26.0 39.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016729.D

Acq: 12 Jun 2020 15:33

Instrument :

MSVOA_X

ClientSampleId :

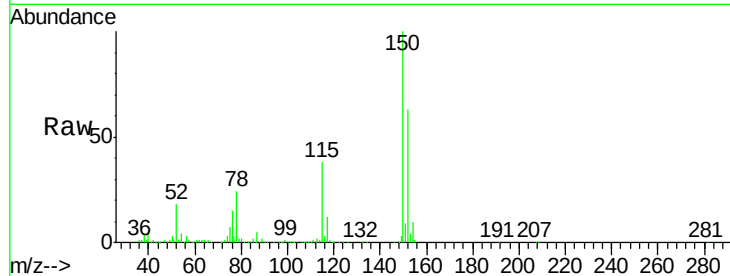
Tot Ion:152 Resp: 185262

Ion Ratio Lower Upper

152 100

115 57.4 39.9 119.6

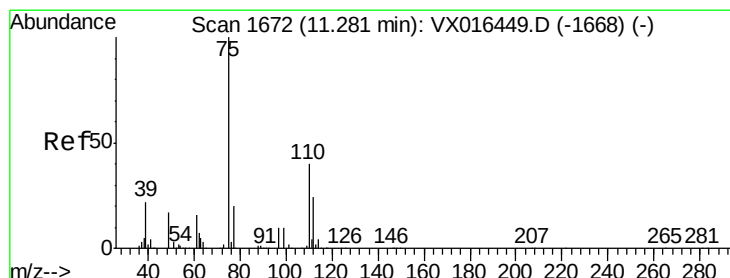
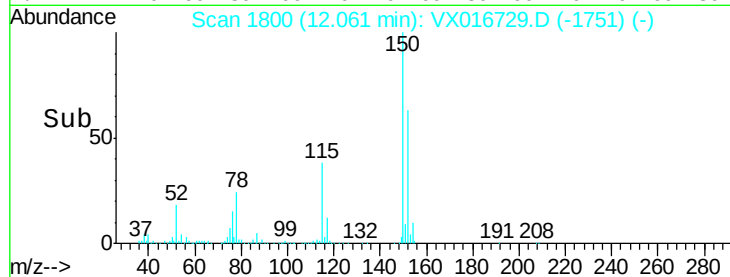
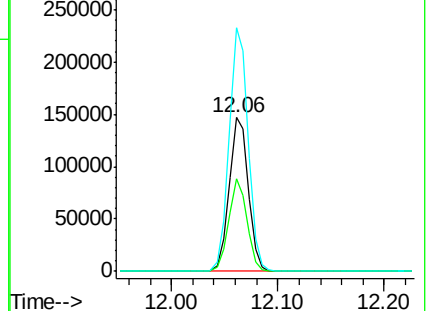
150 156.7 0.0 341.0



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: 20.157 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016729.D

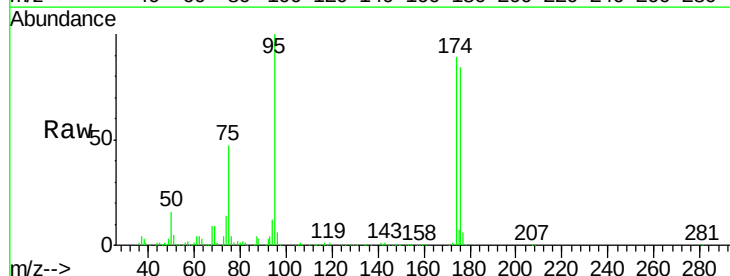
Acq: 12 Jun 2020 15:33

Tgt Ion: 75 Resp: 82081

Ion Ratio Lower Upper

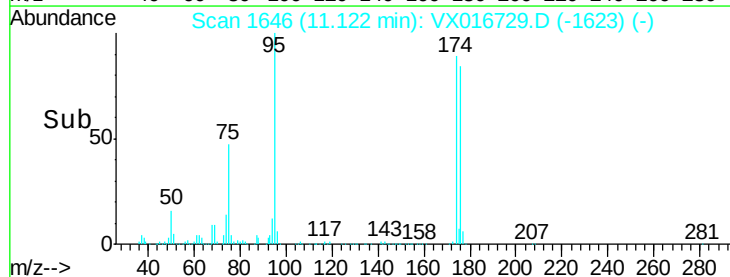
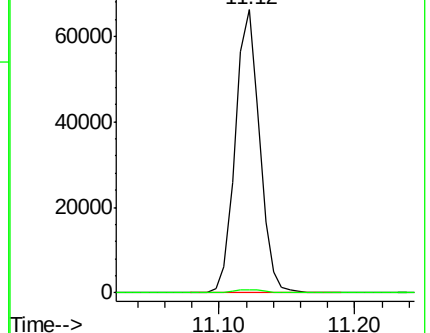
75 100

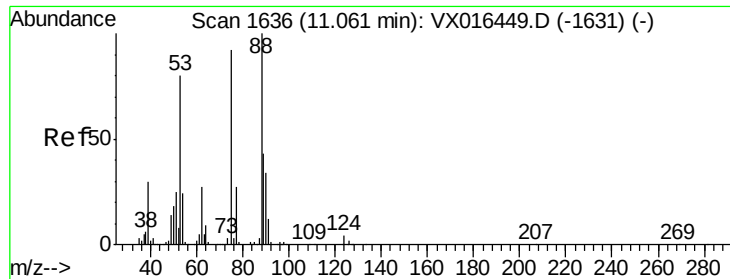
77 1.2 21.3 63.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

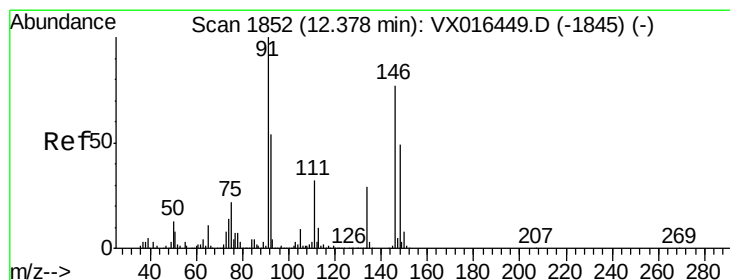
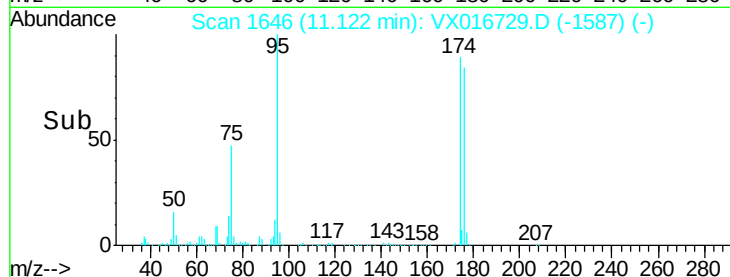
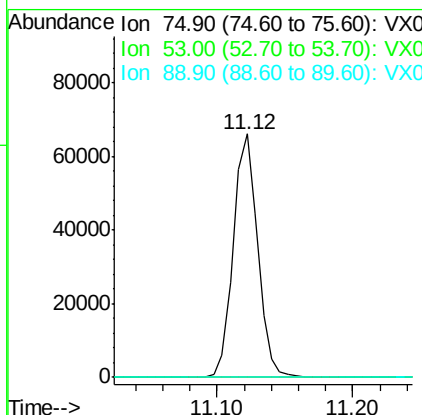
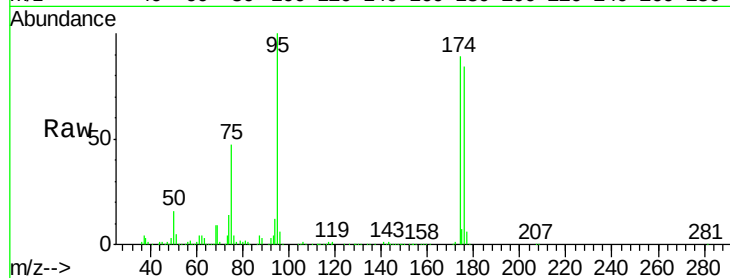




#81
trans-1,4-Dichloro-2-butene
Concen: 49.582 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.06 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 82081
Ion Ratio Lower Upper
75 100
53 0.1 71.3 106.9#
89 0.0 36.6 55.0#



#91
1,2-Dichlorobenzene
Concen: 1.110 ug/l
RT: 12.38 min Scan# 1852
Delta R.T. -0.00 min
Lab File: VX016729.D
Acq: 12 Jun 2020 15:33

Tgt Ion: 146 Resp: 6270
Ion Ratio Lower Upper
146 100
111 42.8 21.4 64.3
148 64.6 31.9 95.7

