

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061920\
 Data File : VX016874.D
 Acq On : 19 Jun 2020 13:02
 Operator : JC/SP
 Sample : VX0619WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBL01

Quant Time: Jun 22 01:33:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 19 12:07:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	224493	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	366372	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	450716	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	213340	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	132575	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
35) Dibromofluoromethane	5.46	113	119290	50.90	ug/l	0.00
Spiked Amount			Recovery	=	101.80%	
50) Toluene-d8	8.70	98	451805	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
62) 4-Bromofluorobenzene	11.12	95	183957	51.20	ug/l	0.00
Spiked Amount			Recovery	=	102.40%	

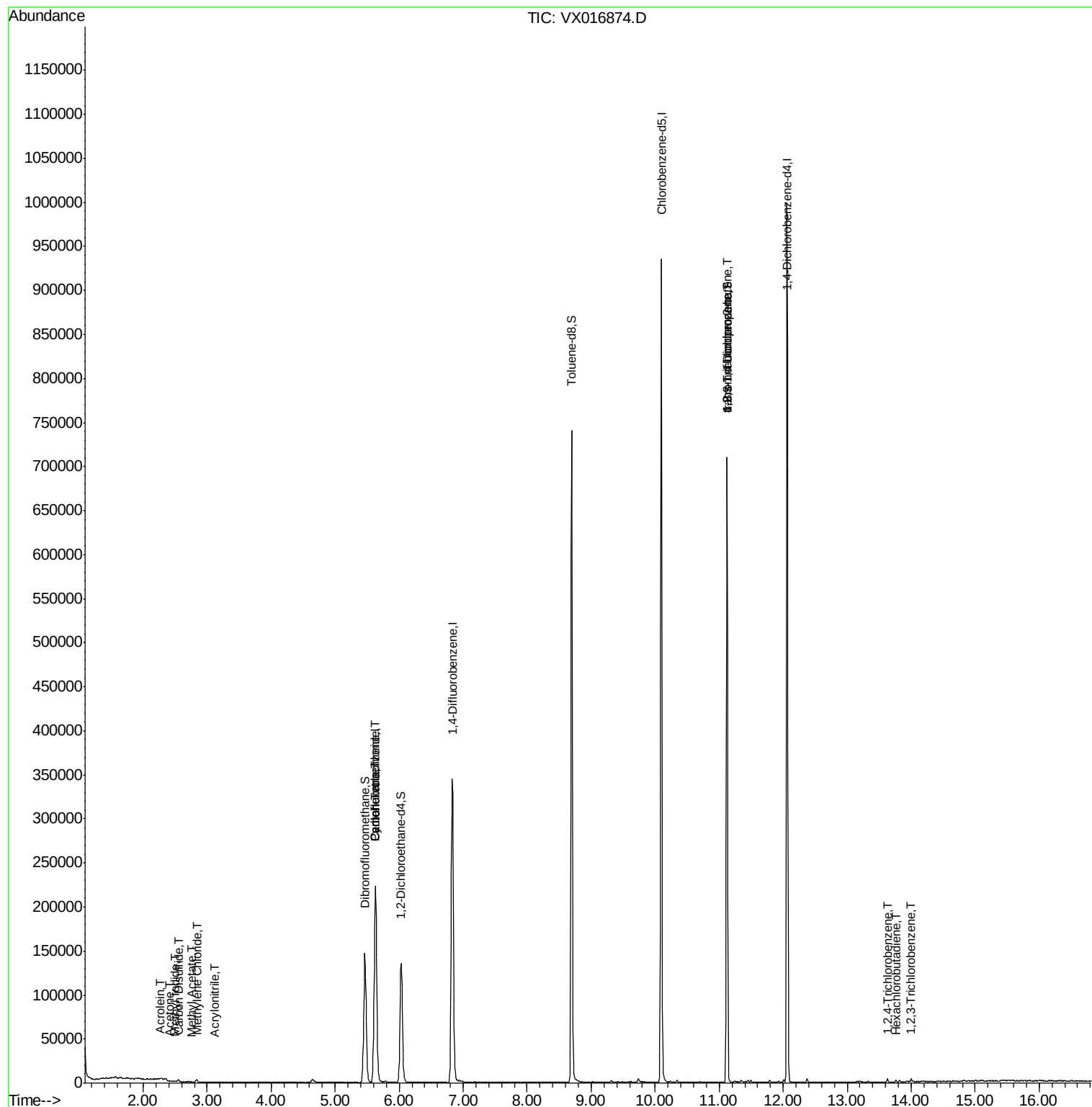
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.50	142	948	0.424	ug/l #	85
13) Acrolein	2.27	56	459	1.659	ug/l #	62
15) Acrylonitrile	3.11	53	420	0.402	ug/l #	89
16) Acetone	2.42	43	430	0.439	ug/l	94
17) Carbon Disulfide	2.55	76	2501	0.403	ug/l #	91
18) Methyl Acetate	2.75	43	661	0.265	ug/l #	48
20) Methylene Chloride	2.84	84	1254	0.534	ug/l #	81
31) Cyclohexane	5.62	56	3954	1.184	ug/l #	1
38) Carbon Tetrachloride	5.63	117	21527	5.671	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	89780	23.042	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89780	56.427	ug/l #	14
93) 1,2,4-Trichlorobenzene	13.63	180	1183	0.267	ug/l	90
94) Hexachlorobutadiene	13.77	225	415	0.207	ug/l	90
96) 1,2,3-Trichlorobenzene	14.01	180	948	0.214	ug/l	93

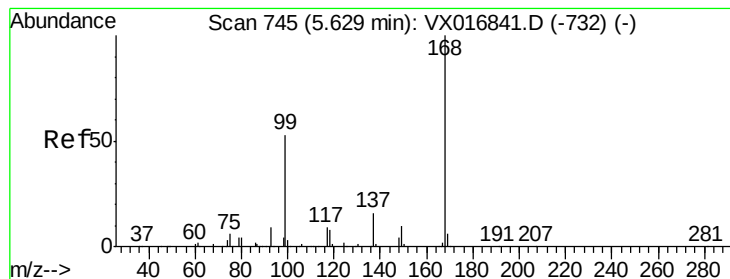
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

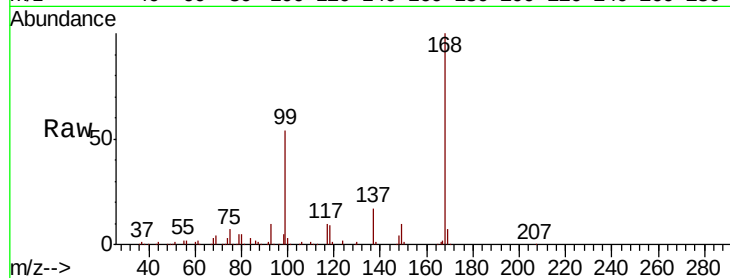
VX0619WBL01

Tot Ion:168 Resp: 224493

Ion Ratio Lower Upper

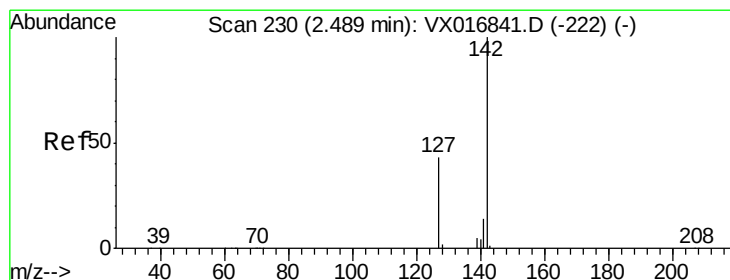
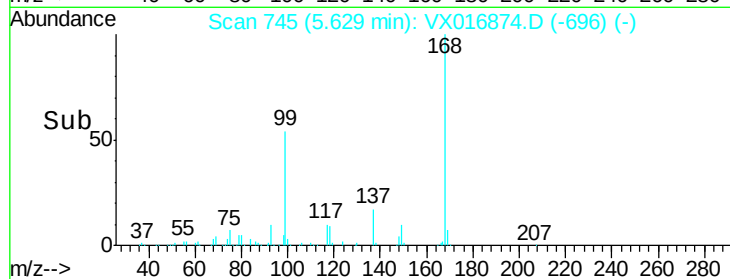
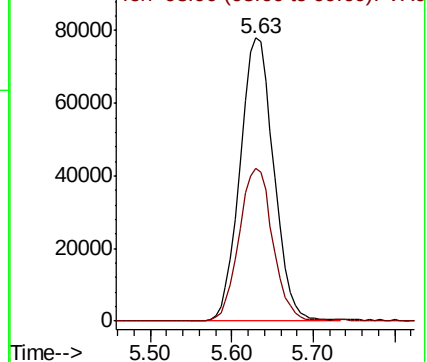
168 100

99 54.0 42.2 63.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#10

Methyl Iodide

Concen: 0.424 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

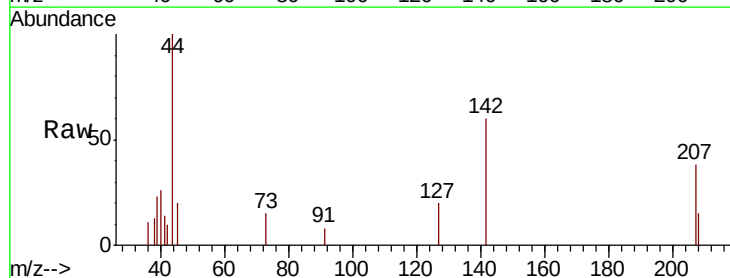
Tgt Ion:142 Resp: 948

Ion Ratio Lower Upper

142 100

127 38.2 35.1 52.7

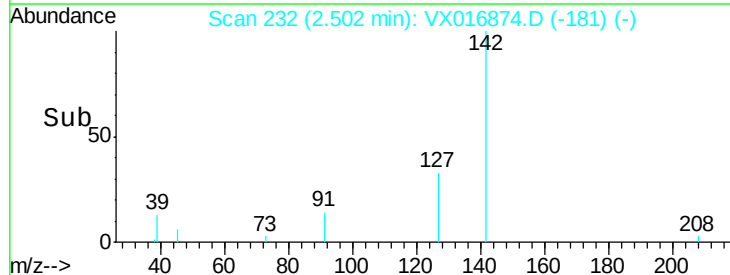
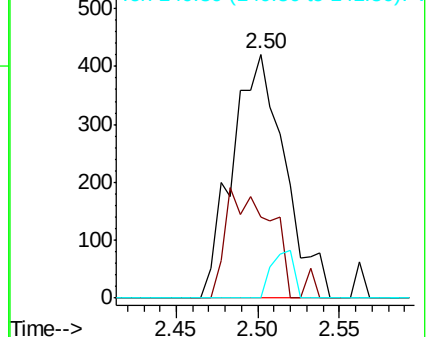
141 0.0 11.6 17.4#

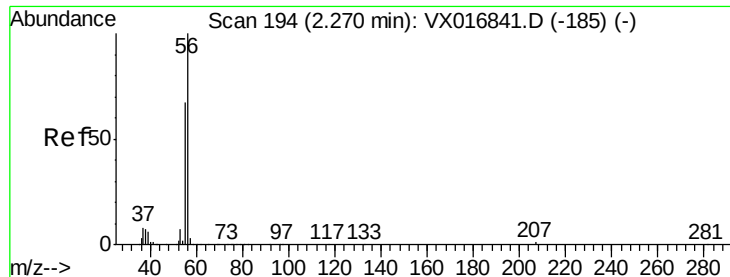


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#13

Acrolein

Concen: 1.659 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

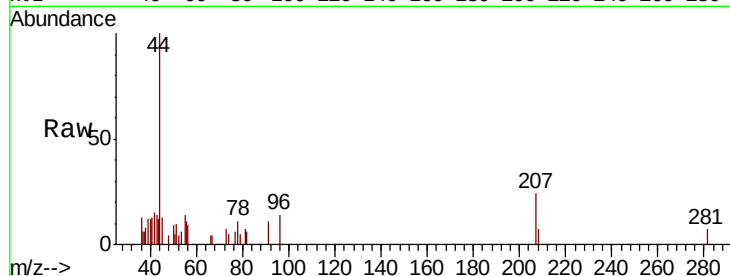
VX0619WBL01

Tot Ion: 56 Resp: 459

Ion Ratio Lower Upper

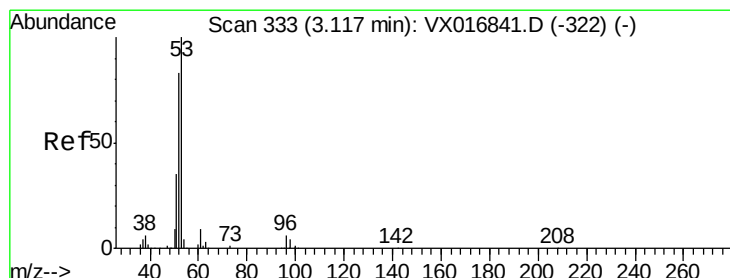
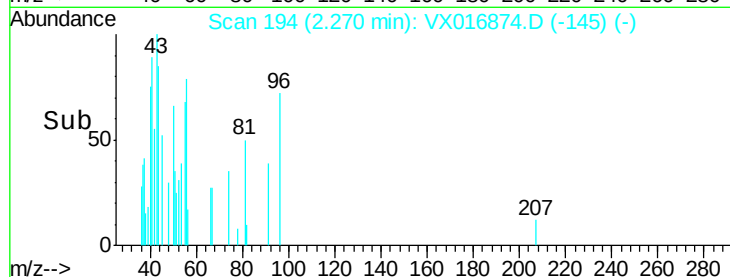
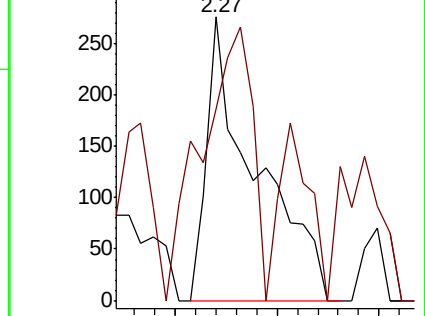
56 100

55 100.4 55.7 83.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.402 ug/l

RT: 3.11 min Scan# 332

Delta R.T. -0.01 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

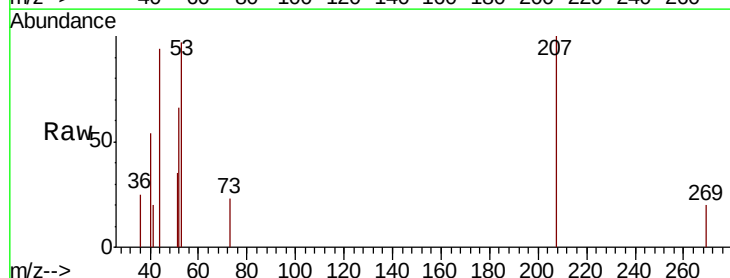
Tgt Ion: 53 Resp: 420

Ion Ratio Lower Upper

53 100

52 90.5 66.2 99.2

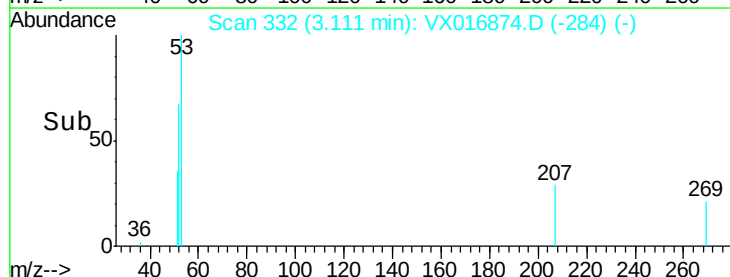
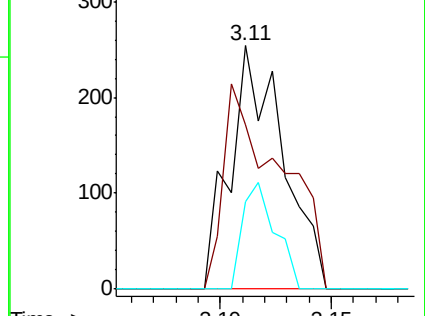
51 27.1 28.7 43.1#

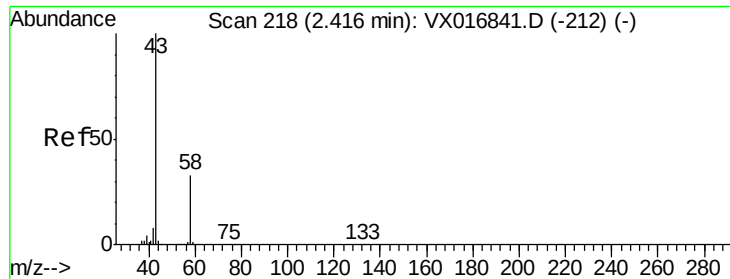


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.439 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

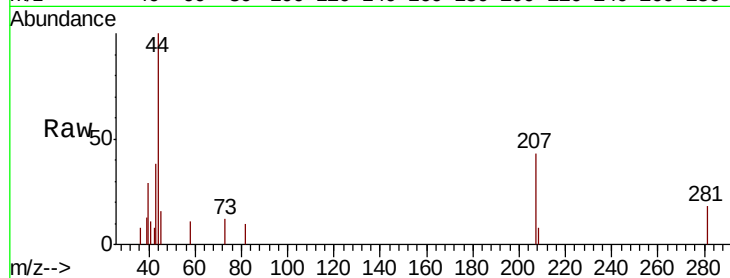
VX0619WBL01

Tot Ion: 43 Resp: 430

Ion Ratio Lower Upper

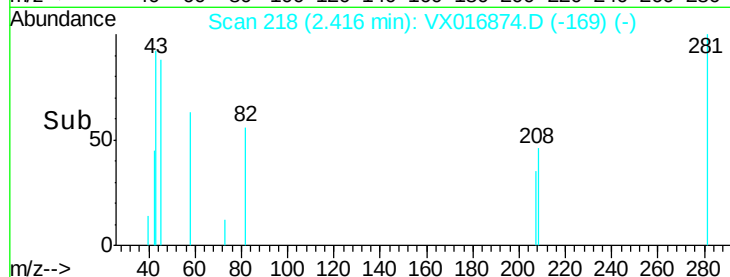
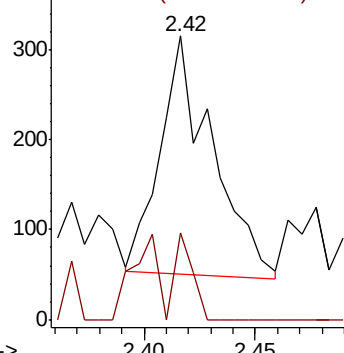
43 100

58 36.8 26.6 39.8

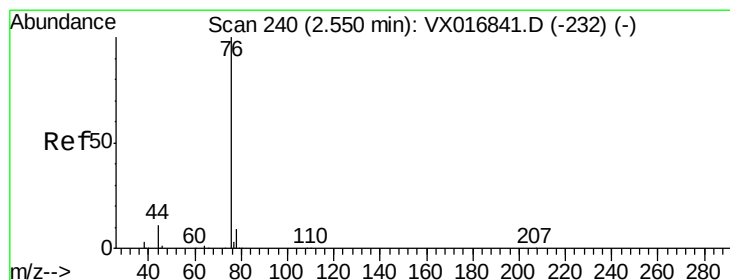


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time-->



#17

Carbon Disulfide

Concen: 0.403 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.00 min

Lab File: VX016874.D

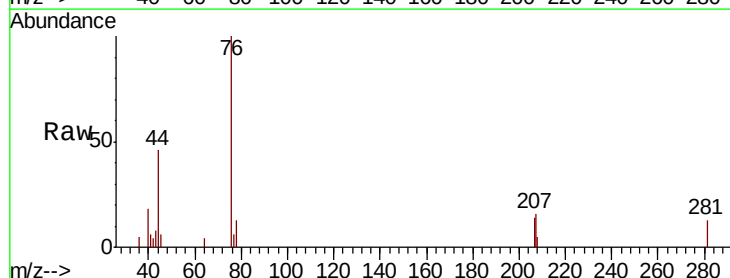
Acq: 19 Jun 2020 13:02

Tgt Ion: 76 Resp: 2501

Ion Ratio Lower Upper

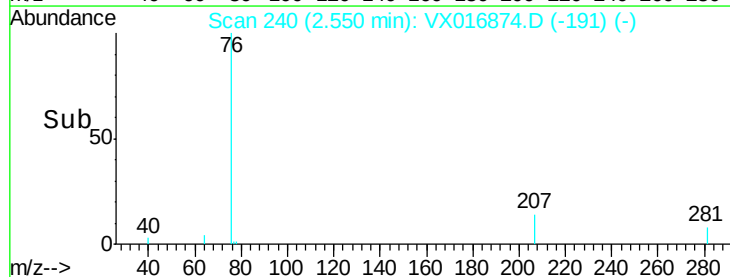
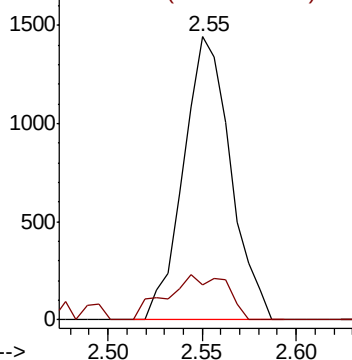
76 100

78 12.6 7.5 11.3#

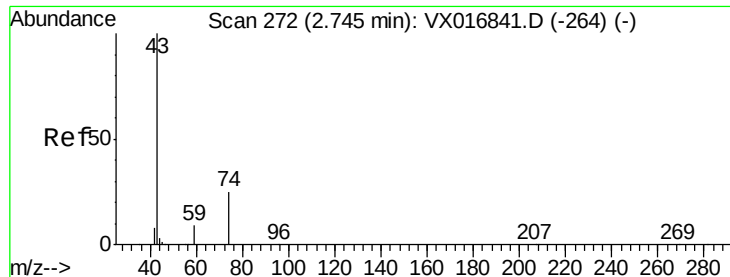


Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



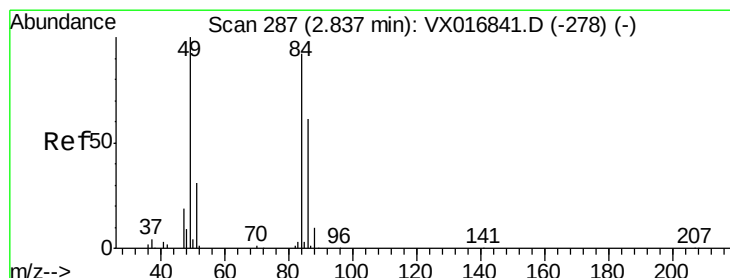
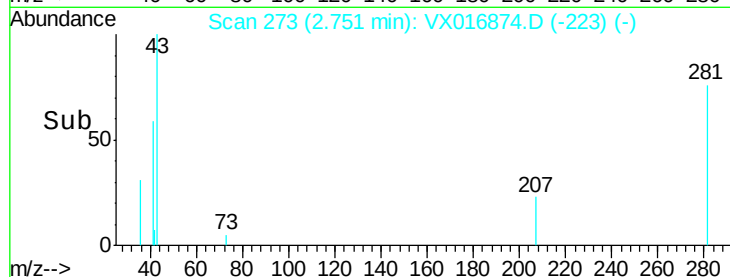
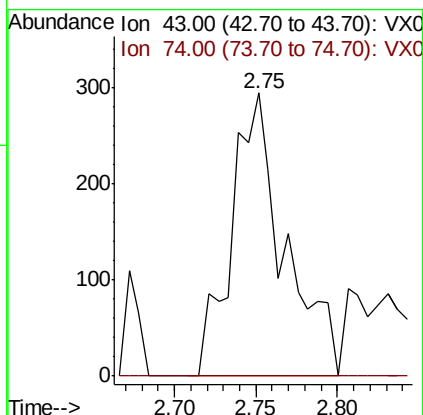
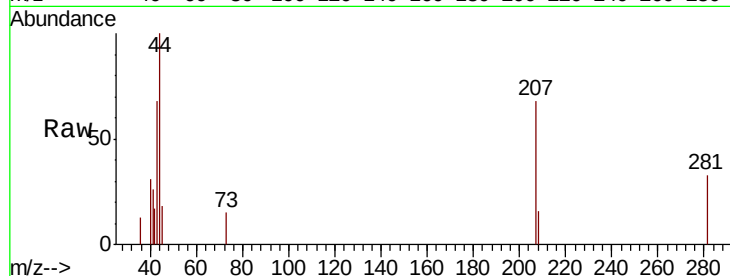
Time-->



#18
Methyl Acetate
Concen: 0.265 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.01 min
Lab File: VX016874.D
Acq: 19 Jun 2020 13:02

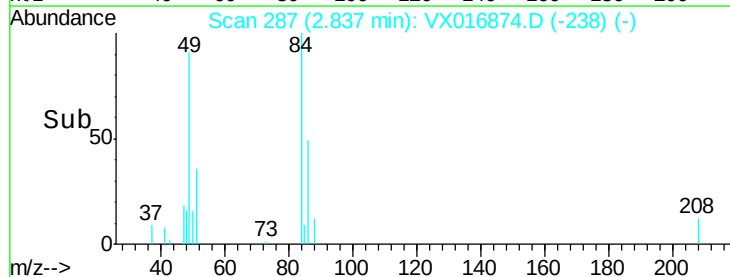
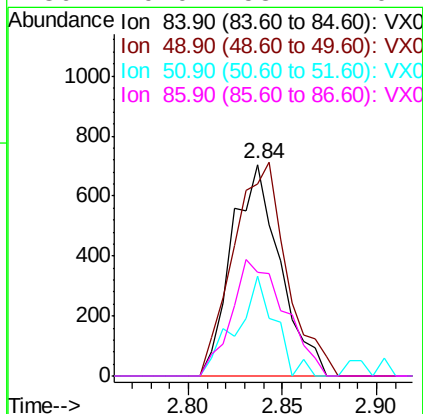
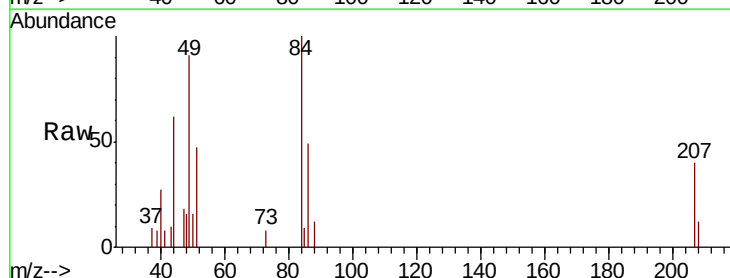
Instrument :
MSVOA_X
ClientSampleId :
VX0619WBL01

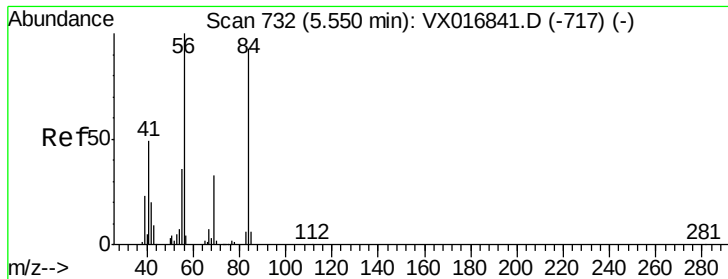
Tot Ion: 43 Resp: 661
Ion Ratio Lower Upper
43 100
74 0.0 21.8 32.8#



#20
Methylene Chloride
Concen: 0.534 ug/l
RT: 2.84 min Scan# 287
Delta R.T. -0.00 min
Lab File: VX016874.D
Acq: 19 Jun 2020 13:02

Tgt Ion: 84 Resp: 1254
Ion Ratio Lower Upper
84 100
49 90.5 86.6 129.8
51 47.2 27.1 40.7#
86 49.0 53.1 79.7#

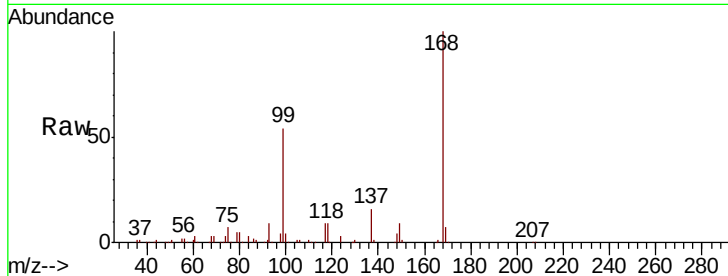




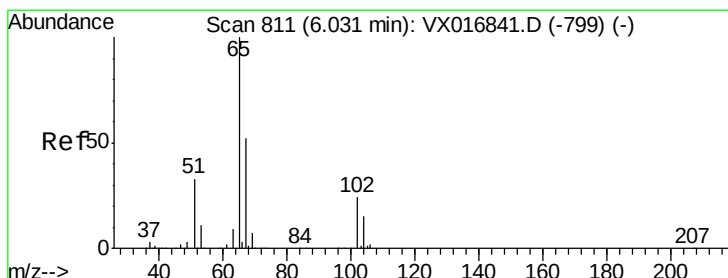
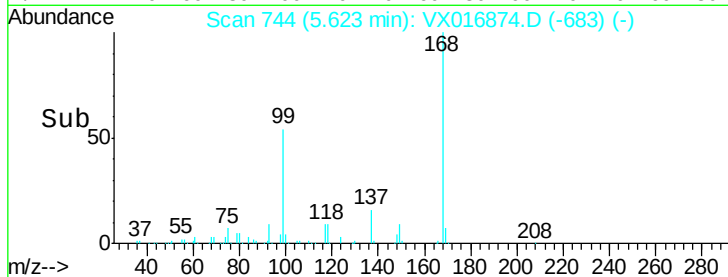
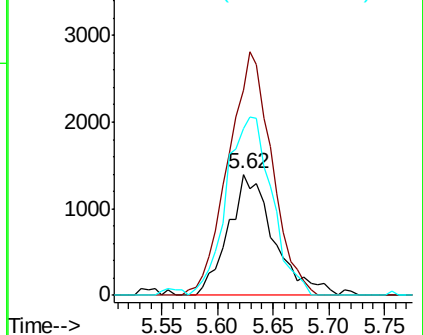
#31
Cyclohexane
Concen: 1.184 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016874.D
Acq: 19 Jun 2020 13:02

Instrument :
MSVOA_X
ClientSampleId :
VX0619WBL01

Tot Ion: 56 Resp: 3954
Ion Ratio Lower Upper
56 100
69 168.8 26.1 39.1#
84 137.5 73.0 109.6#

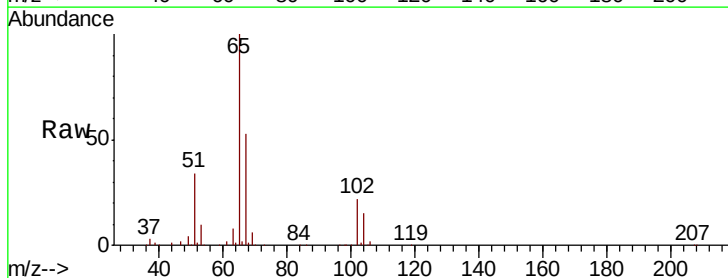


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

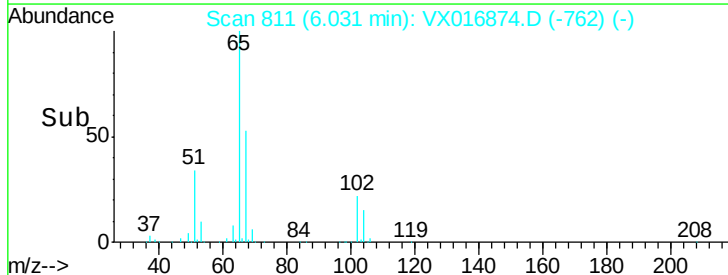
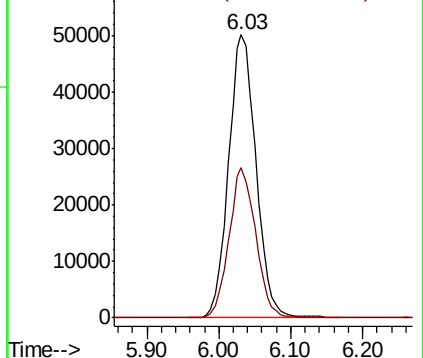


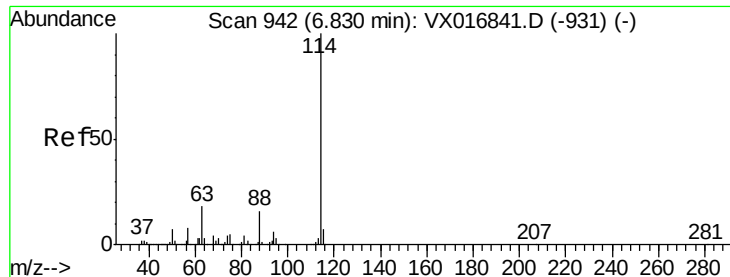
#33
1,2-Dichloroethane-d4
Concen: 49.103 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016874.D
Acq: 19 Jun 2020 13:02

Tgt Ion: 65 Resp: 132575
Ion Ratio Lower Upper
65 100
67 52.0 0.0 102.6



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

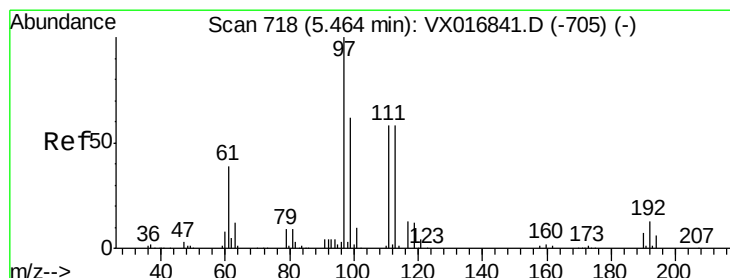
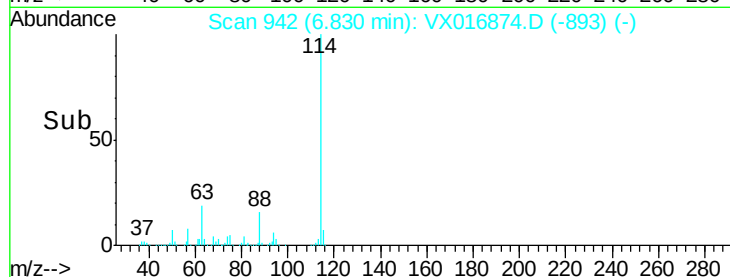
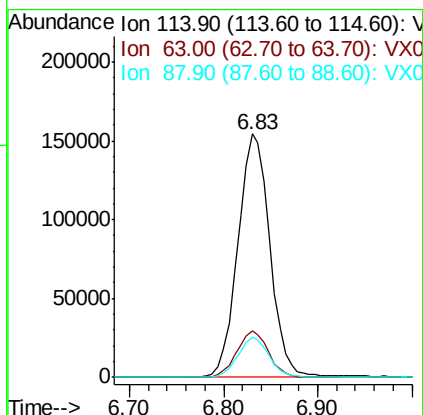
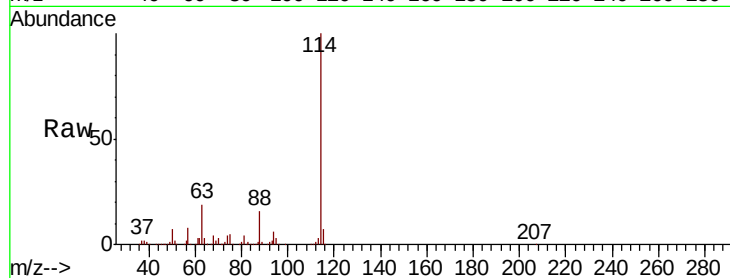




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX016874.D
 Acq: 19 Jun 2020 13:02

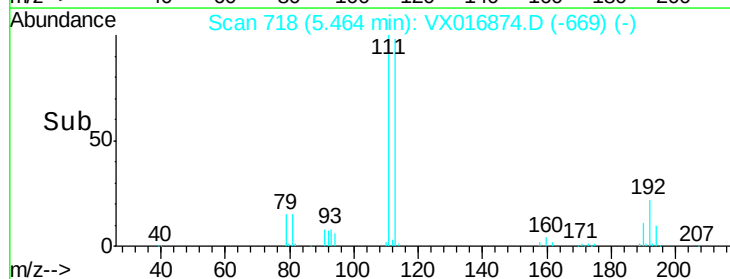
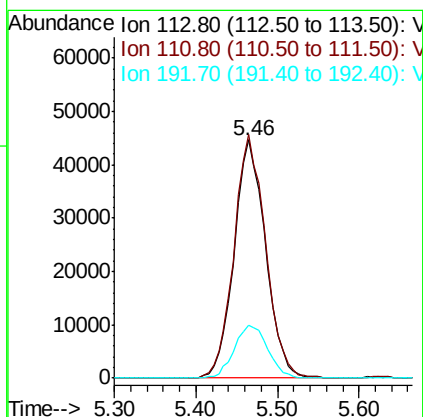
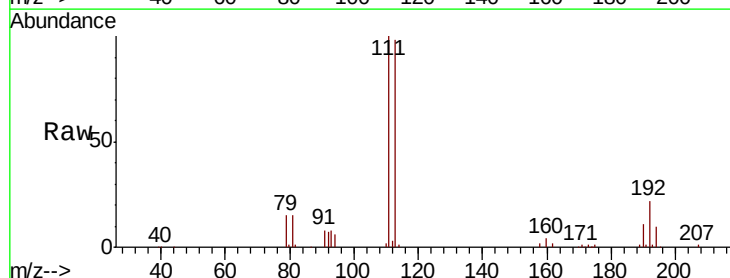
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0619WBL01

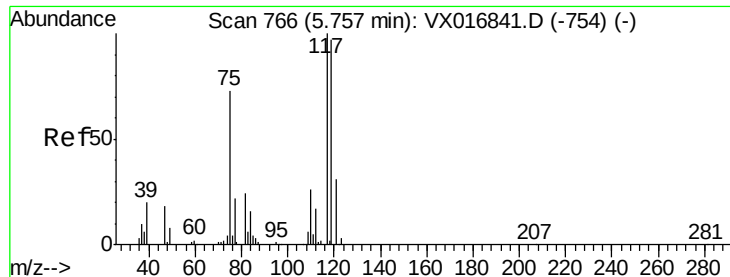
Tot Ion:114 Resp: 366372
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 37.0
 88 16.3 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 50.899 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VX016874.D
 Acq: 19 Jun 2020 13:02

Tgt Ion:113 Resp: 119290
 Ion Ratio Lower Upper
 113 100
 111 102.8 81.0 121.4
 192 23.5 18.5 27.7

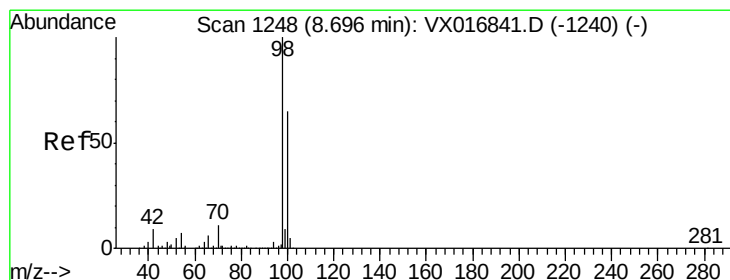
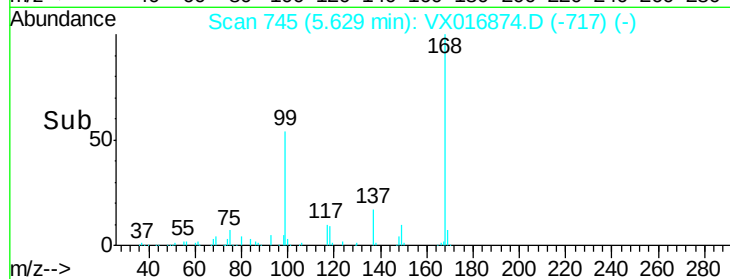
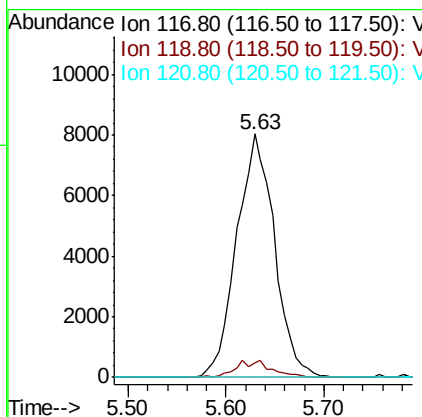
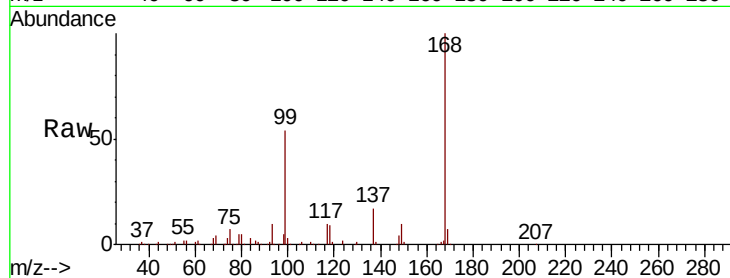




#38
Carbon Tetrachloride
Concen: 5.671 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX016874.D
Acq: 19 Jun 2020 13:02

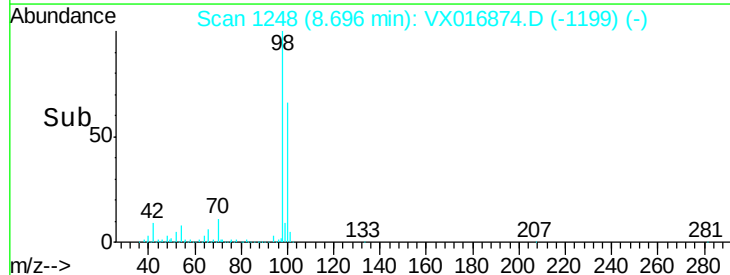
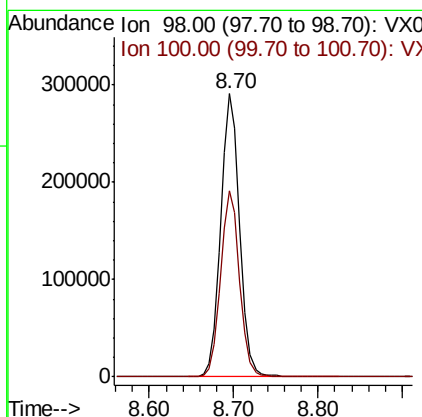
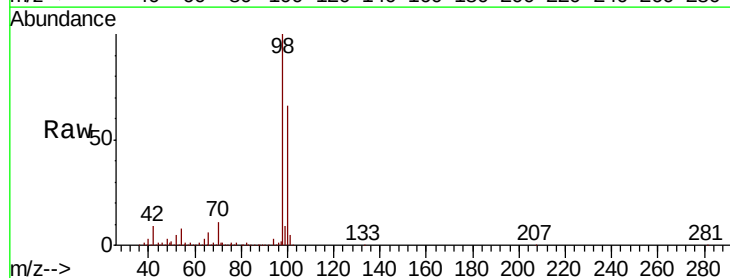
Instrument :
MSVOA_X
ClientSampled :
VX0619WBL01

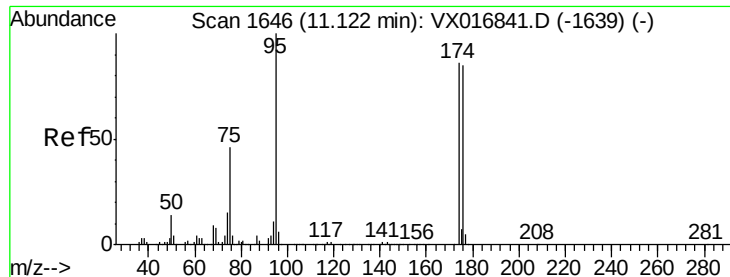
Tot Ion:117 Resp: 21527
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.2#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 48.183 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016874.D
Acq: 19 Jun 2020 13:02

Tgt Ion: 98 Resp: 451805
Ion Ratio Lower Upper
98 100
100 66.1 54.0 81.0





#62

4-Bromofluorobenzene

Concen: 51.204 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBL01

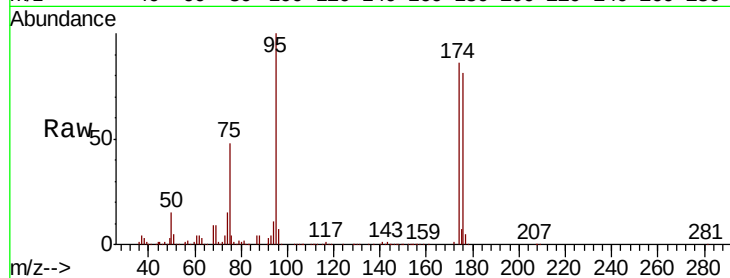
Tot Ion: 95 Resp: 183957

Ion Ratio Lower Upper

95 100

174 85.7 0.0 174.2

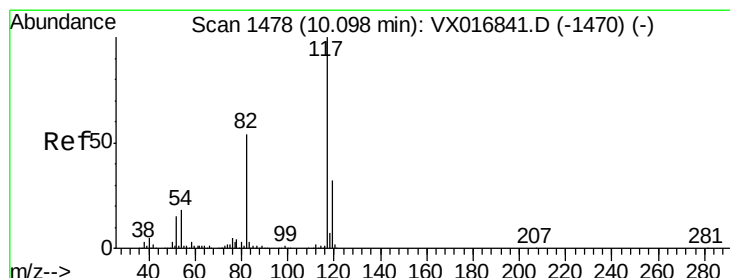
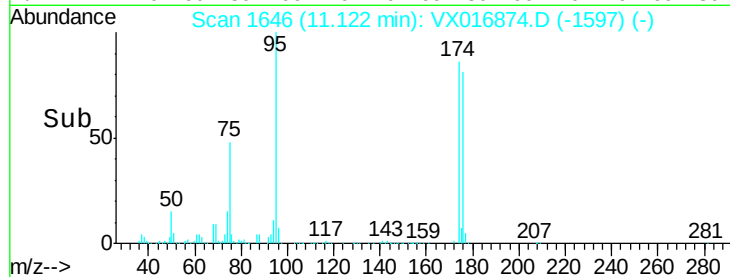
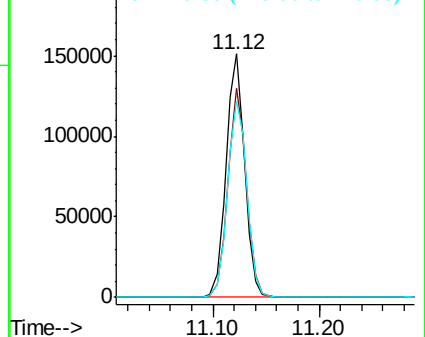
176 84.0 0.0 170.0



Abundance Ion 94.90 (94.60 to 95.60): VX016874.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016874.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016874.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

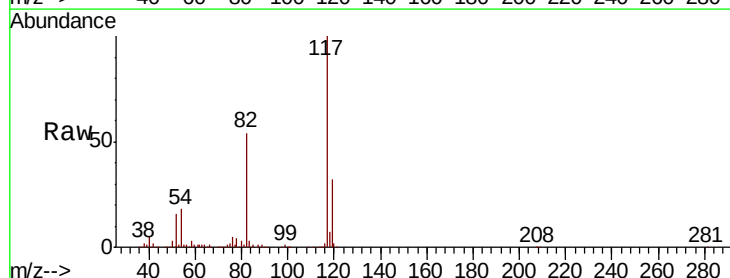
Tgt Ion: 117 Resp: 450716

Ion Ratio Lower Upper

117 100

82 53.8 43.4 65.0

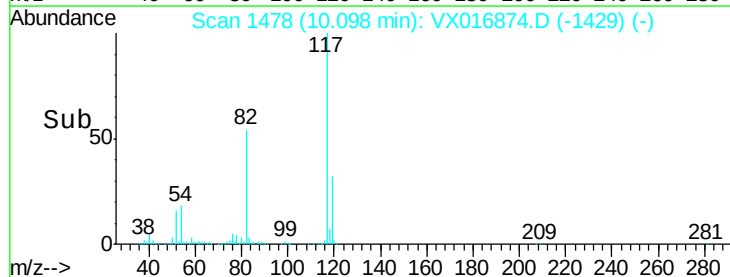
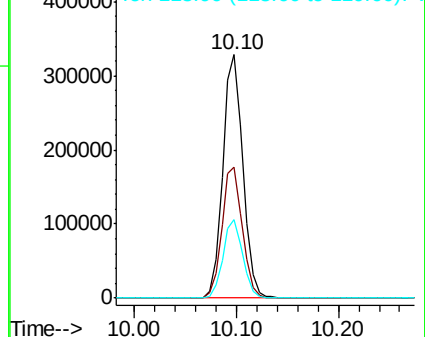
119 32.1 25.7 38.5

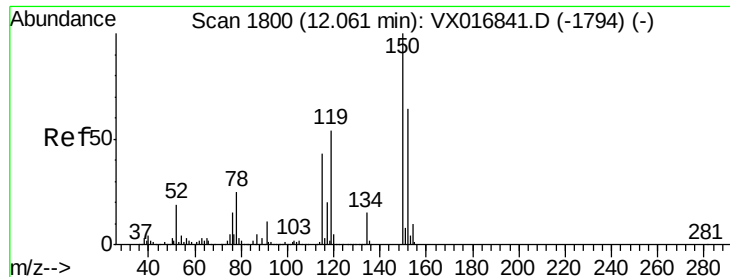


Abundance Ion 116.90 (116.60 to 117.60): VX016874.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016874.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016874.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBL01

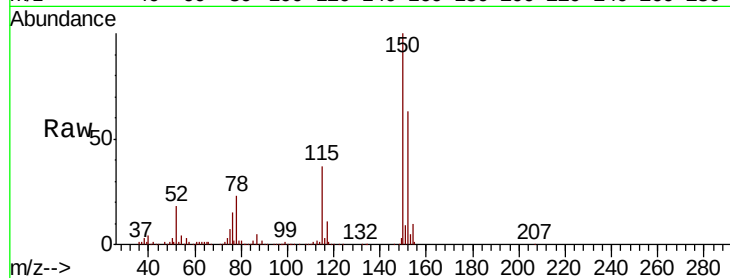
Tot Ion:152 Resp: 213340

Ion Ratio Lower Upper

152 100

115 57.4 40.9 122.8

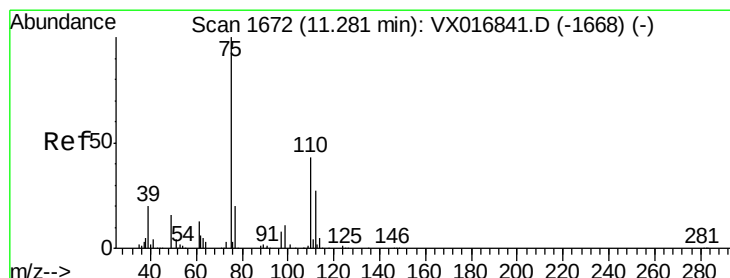
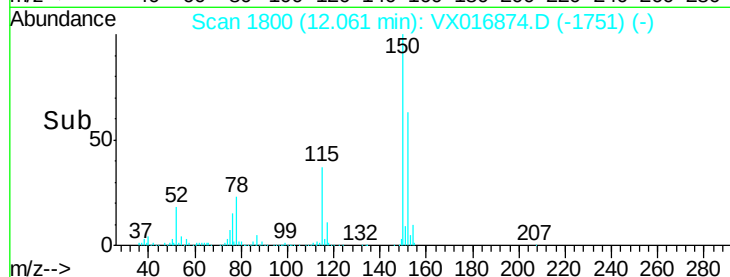
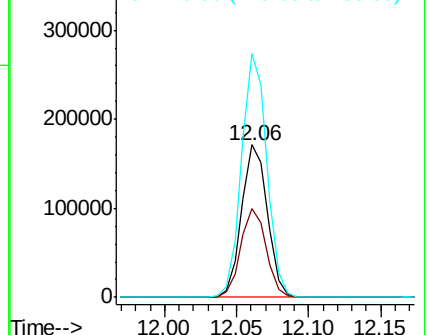
150 156.3 0.0 344.2



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: 23.042 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016874.D

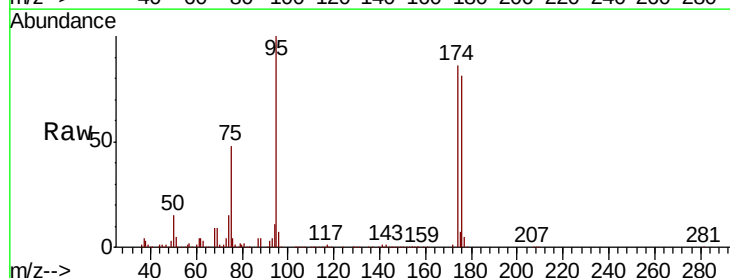
Acq: 19 Jun 2020 13:02

Tgt Ion: 75 Resp: 89780

Ion Ratio Lower Upper

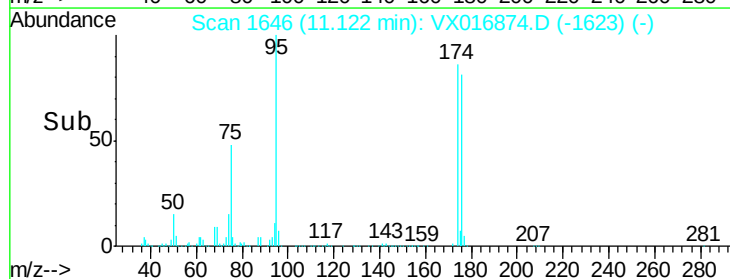
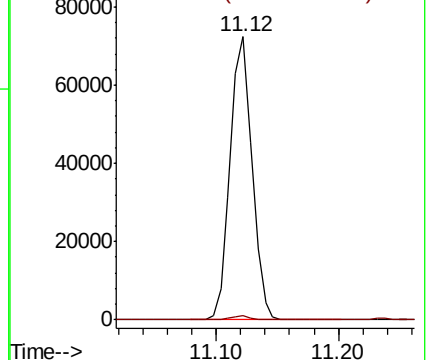
75 100

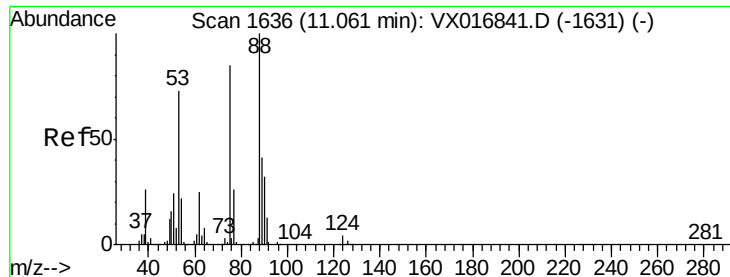
77 1.4 20.5 61.5#



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: 56.427 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBL01

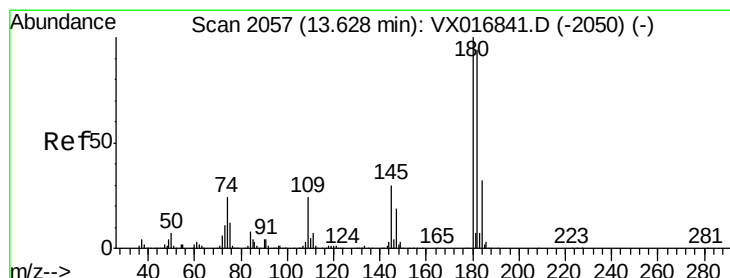
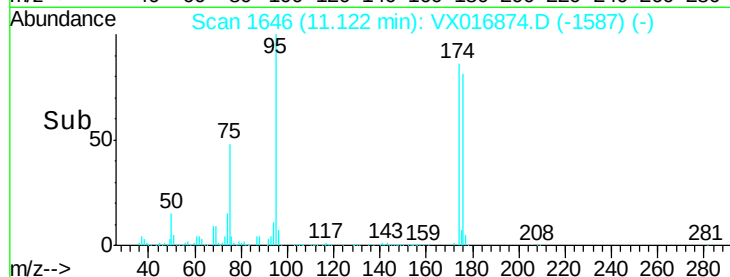
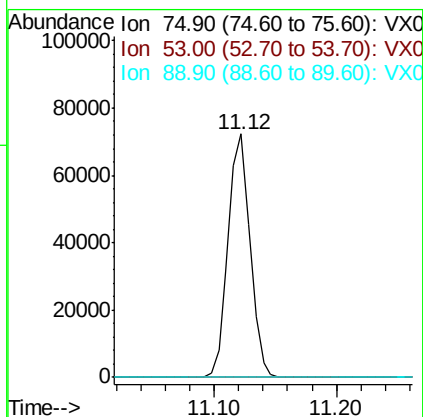
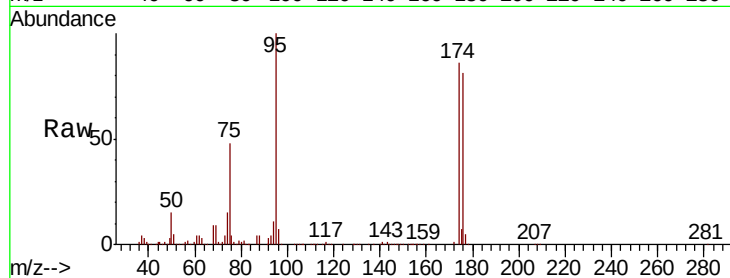
Tot Ion: 75 Resp: 89780

Ion Ratio Lower Upper

75 100

53 0.1 69.8 104.8#

89 0.0 38.3 57.5#



#93

1,2,4-Trichlorobenzene

Concen: 0.267 ug/l

RT: 13.63 min Scan# 2058

Delta R.T. 0.01 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

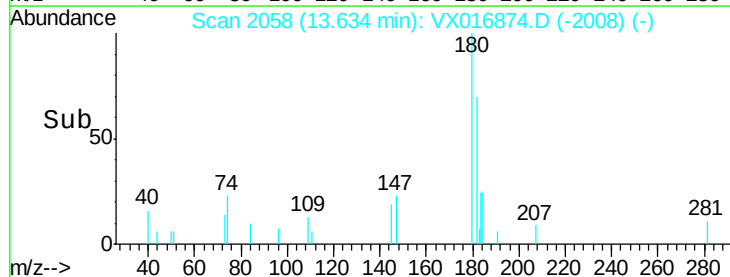
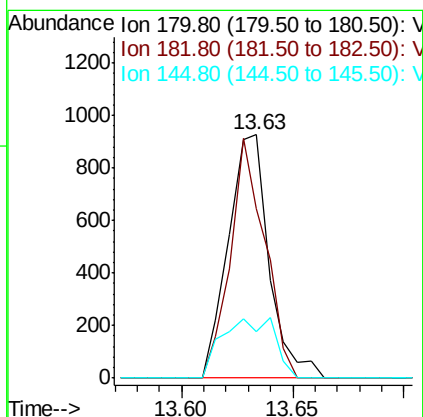
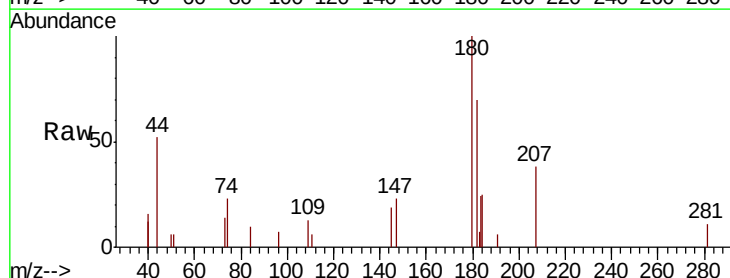
Tgt Ion: 180 Resp: 1183

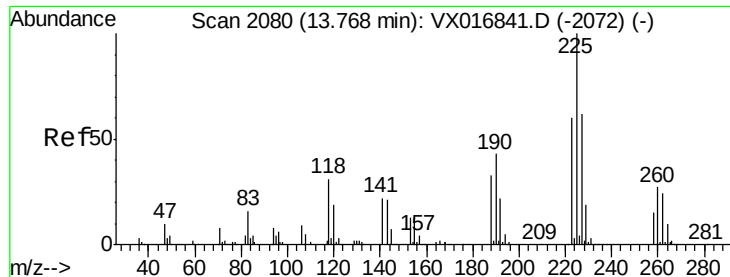
Ion Ratio Lower Upper

180 100

182 83.5 47.7 143.1

145 31.5 15.0 45.1





#94

Hexachlorobutadiene

Concen: 0.207 ug/l

RT: 13.77 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

Instrument :

MSVOA_X

ClientSampleId :

VX0619WBL01

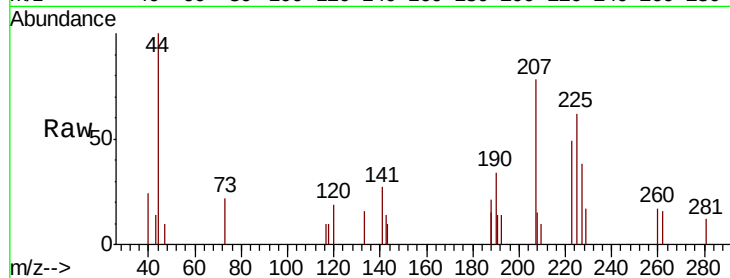
Tot Ion:225 Resp: 415

Ion Ratio Lower Upper

225 100

223 55.2 32.1 96.5

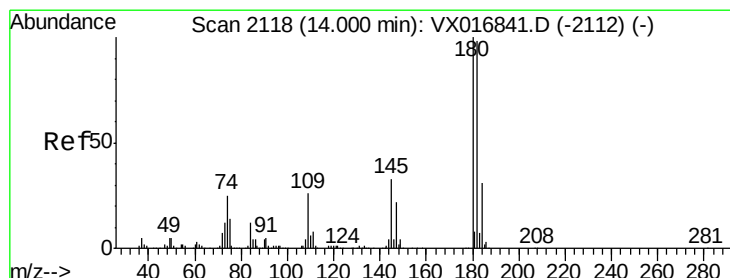
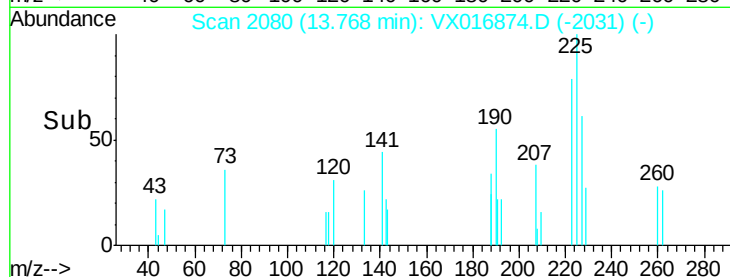
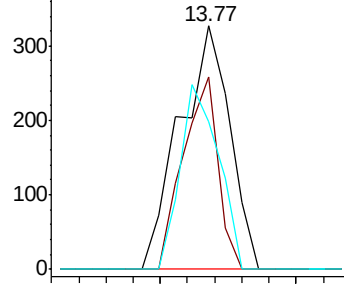
227 58.3 32.3 96.8



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



#96

1,2,3-Trichlorobenzene

Concen: 0.214 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. 0.01 min

Lab File: VX016874.D

Acq: 19 Jun 2020 13:02

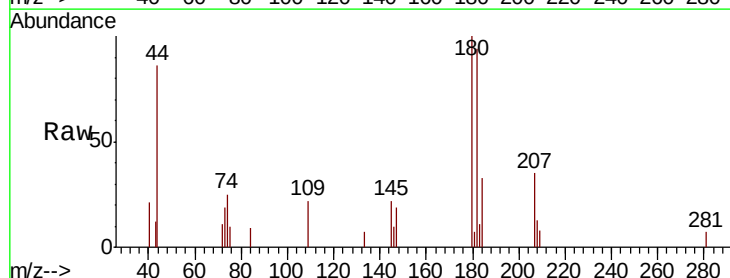
Tgt Ion:180 Resp: 948

Ion Ratio Lower Upper

180 100

182 102.5 47.4 142.3

145 29.4 16.0 48.0



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

