

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061020\
 Data File : VX016674.D
 Acq On : 10 Jun 2020 15:01
 Operator : JC/SP
 Sample : L2962-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-DUP-0564-200609

Quant Time: Jun 11 09:14:31 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	219714	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	345105	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	353500	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	186528	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	127105	46.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.16%	
35) Dibromofluoromethane	5.47	113	104944	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
50) Toluene-d8	8.70	98	422236	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
62) 4-Bromofluorobenzene	11.12	95	173624	54.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.66%	

Target Compounds

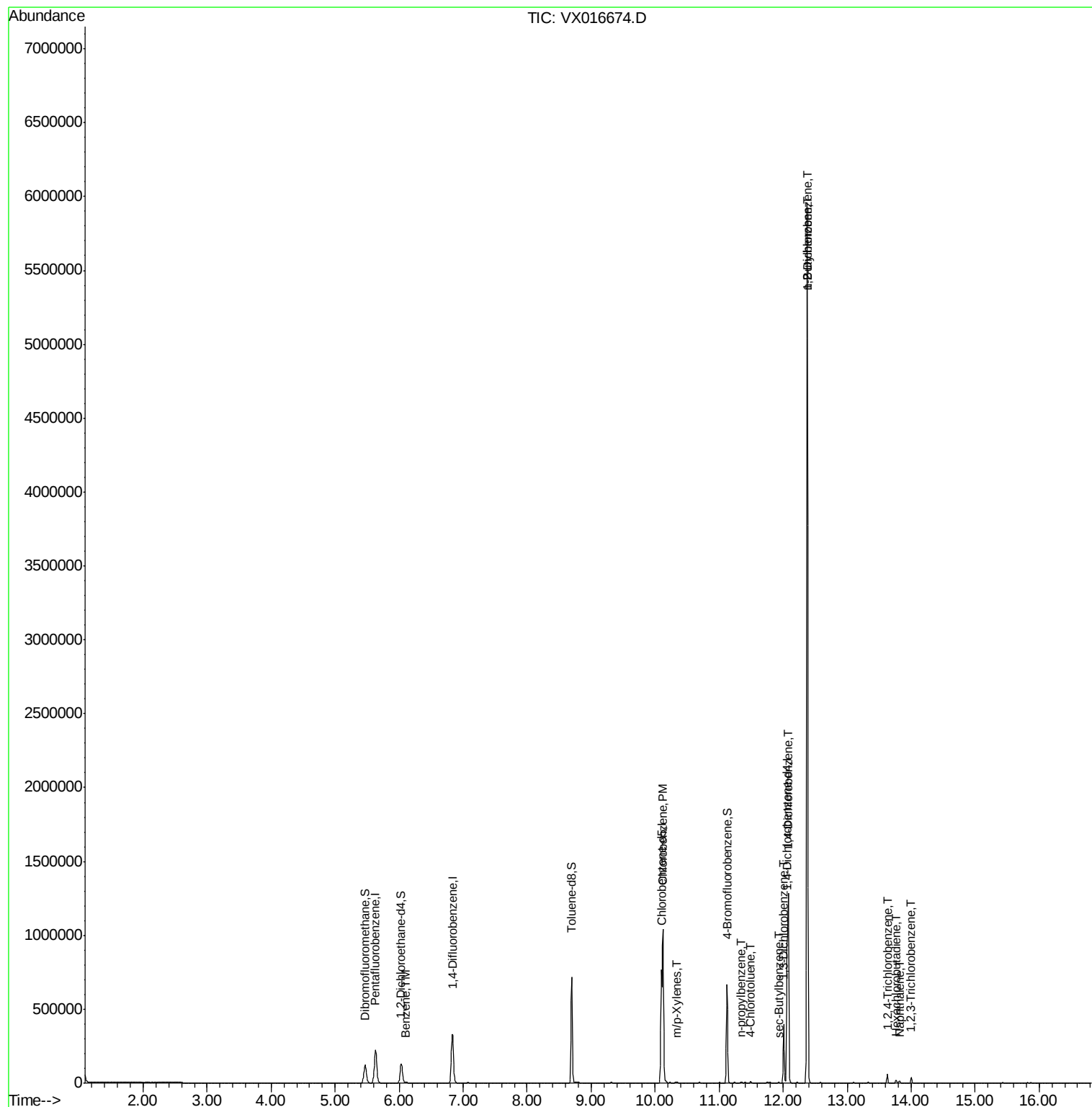
						Qvalue
40) Benzene	6.11	78	3403	0.350	ug/l	# 84
65) Chlorobenzene	10.12	112	459432	63.749	ug/l	99
68) m/p-Xylenes	10.34	106	1388	0.292	ug/l	100
78) n-propylbenzene	11.34	91	3424	0.237	ug/l	98
82) 4-Chlorotoluene	11.49	91	2645	0.254	ug/l	94
85) sec-Butylbenzene	11.93	105	3401	0.294	ug/l	91
87) 1,3-Dichlorobenzene	12.01	146	137896	23.481	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	388140	64.622	ug/l	99
89) n-Butylbenzene	12.37	91	5888	0.652	ug/l	90
91) 1,2-Dichlorobenzene	12.38	146	1928793	338.995	ug/l	99
93) 1,2,4-Trichlorobenzene	13.63	180	14351	3.798	ug/l	99
94) Hexachlorobutadiene	13.76	225	2718	1.832	ug/l	91
95) Naphthalene	13.82	128	7234	0.558	ug/l	97
96) 1,2,3-Trichlorobenzene	14.01	180	9535	2.576	ug/l	99

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

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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: VX016674.D

Acq: 10 Jun 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

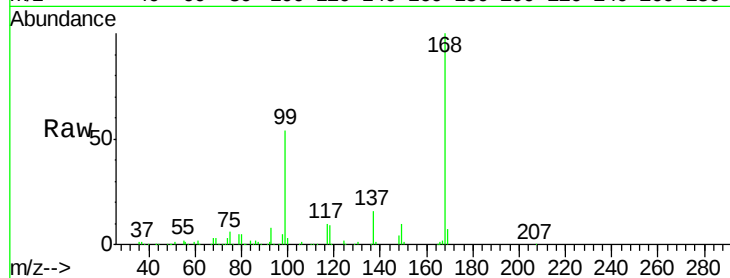
Z5-DUP-0564-200609

Tot Ion:168 Resp: 219714

Ion Ratio Lower Upper

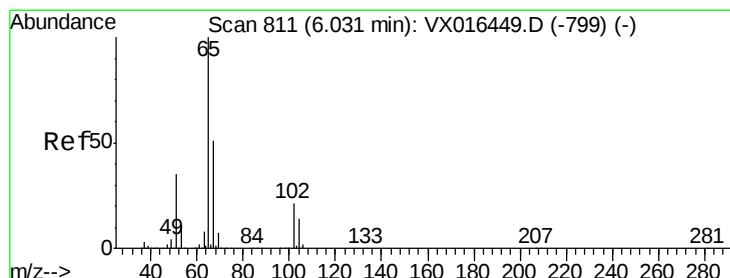
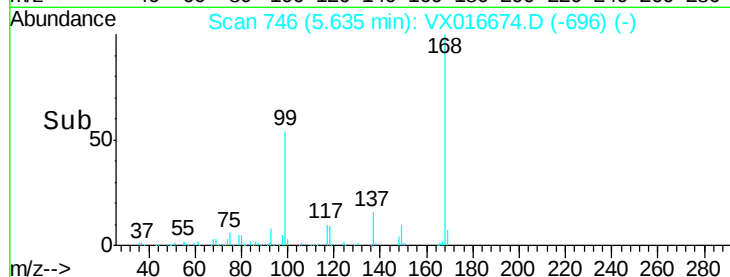
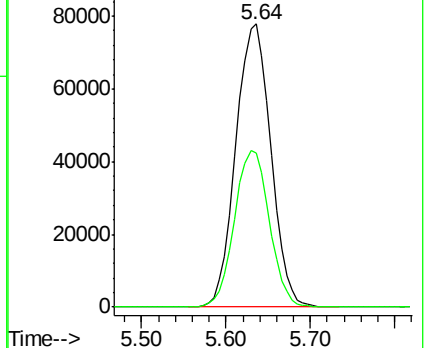
168 100

99 54.5 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 46.583 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX016674.D

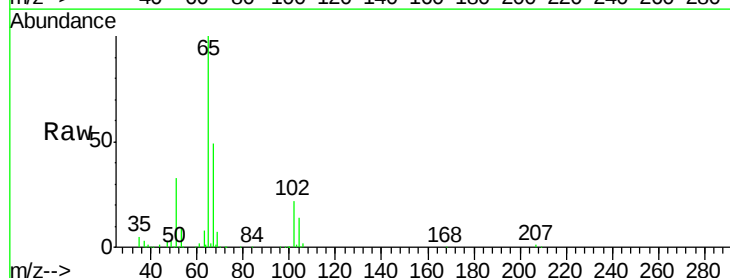
Acq: 10 Jun 2020 15:01

Tgt Ion: 65 Resp: 127105

Ion Ratio Lower Upper

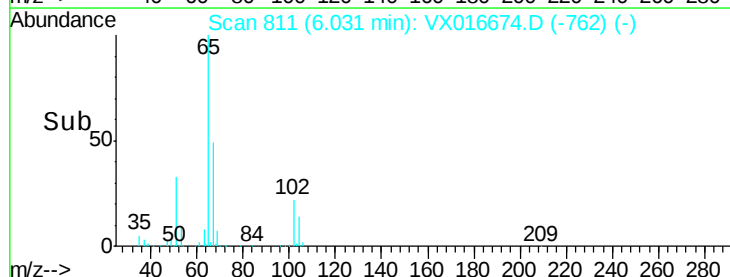
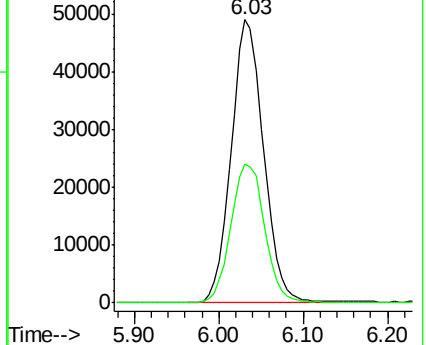
65 100

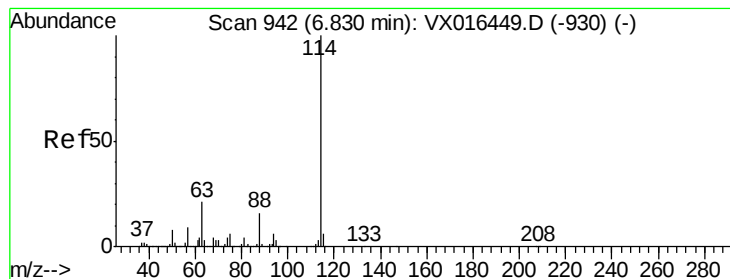
67 51.1 0.0 104.8



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: VX016674.D

Acq: 10 Jun 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0564-200609

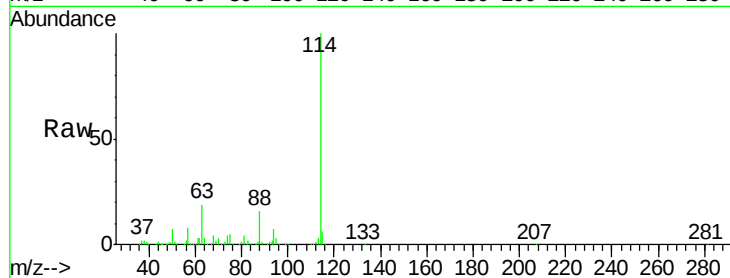
Tot Ion:114 Resp: 345105

Ion Ratio Lower Upper

114 100

63 19.3 0.0 42.6

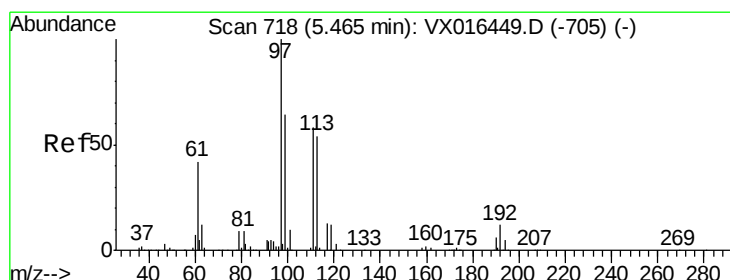
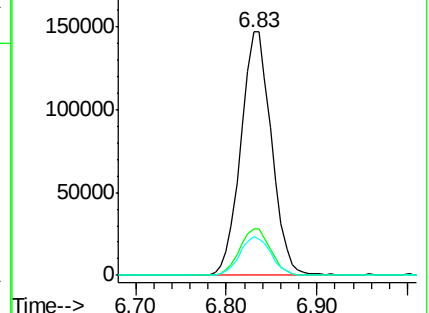
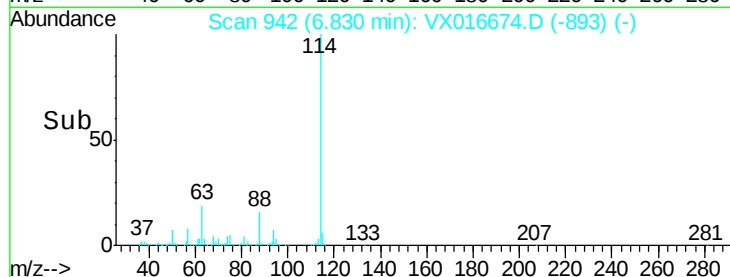
88 16.0 0.0 32.8



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: 49.386 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

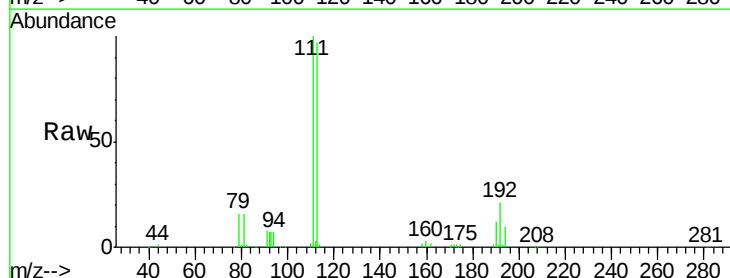
Tgt Ion:113 Resp: 104944

Ion Ratio Lower Upper

113 100

111 103.2 83.0 124.6

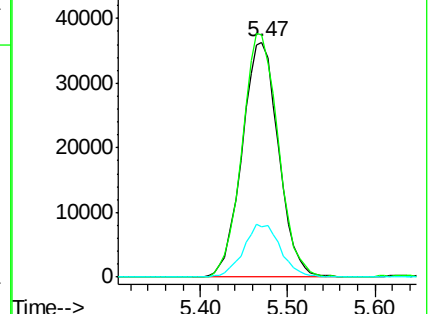
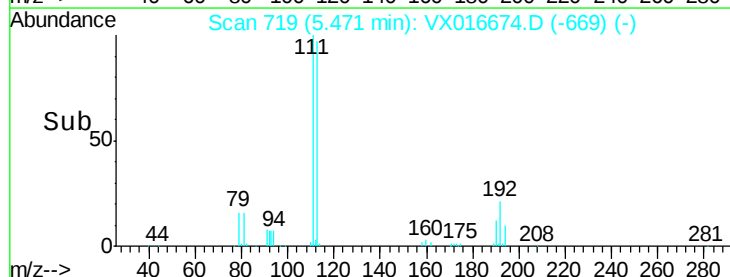
192 22.9 17.7 26.5

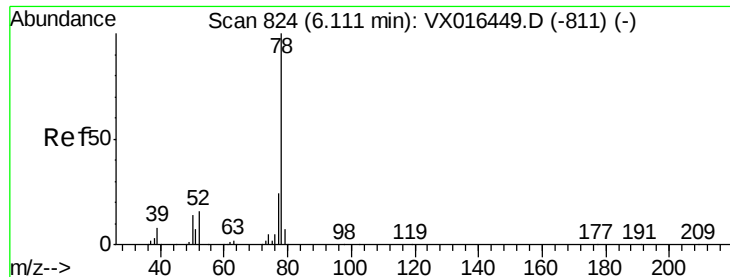


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.350 ug/l

RT: 6.11 min Scan# 824

Delta R.T. 0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

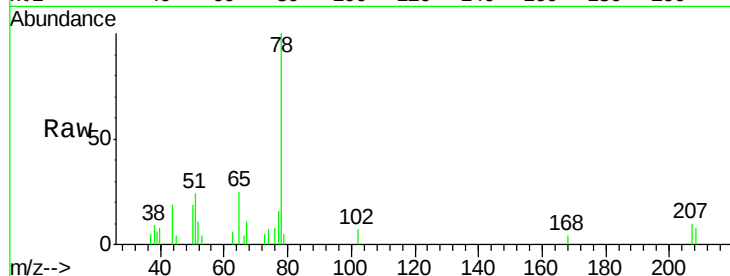
Z5-DUP-0564-200609

Tot Ion: 78 Resp: 3403

Ion Ratio Lower Upper

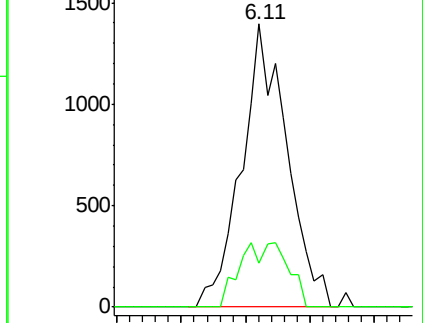
78 100

77 15.6 18.9 28.3#

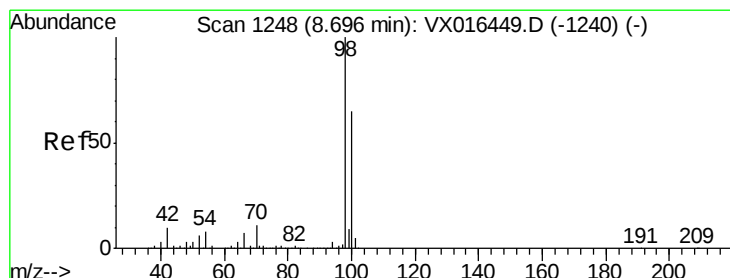
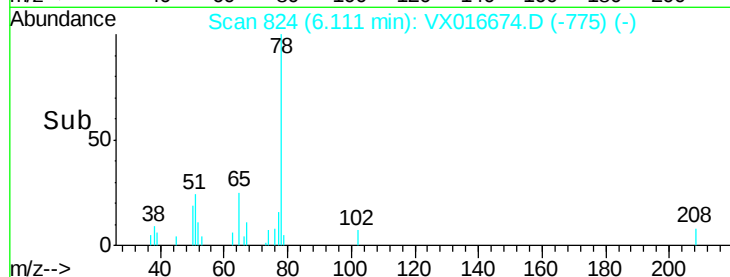


Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



Time--> 6.00 6.05 6.10 6.15 6.20



#50

Toluene-d8

Concen: 51.051 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX016674.D

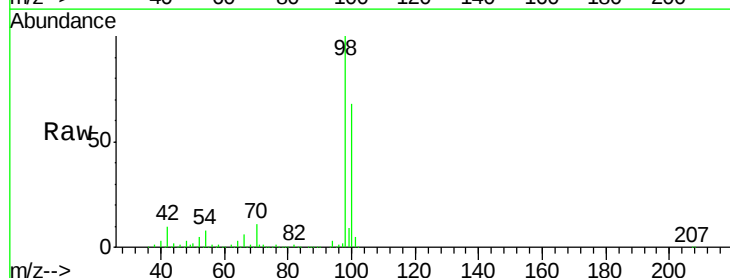
Acq: 10 Jun 2020 15:01

Tgt Ion: 98 Resp: 422236

Ion Ratio Lower Upper

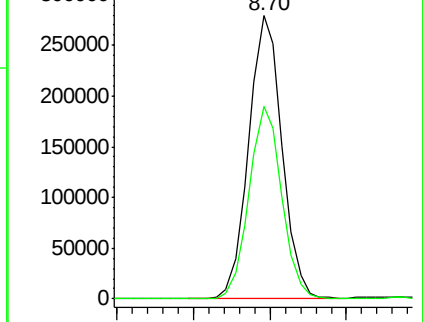
98 100

100 67.1 53.8 80.6

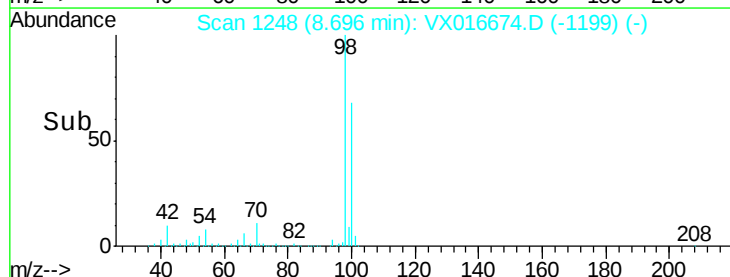


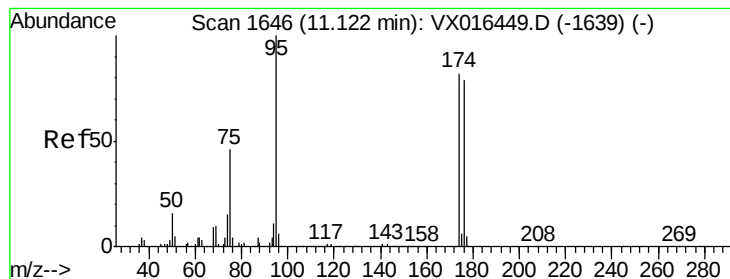
Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



Time--> 8.60 8.65 8.70 8.75





#62

4-Bromofluorobenzene

Concen: 54.328 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0564-200609

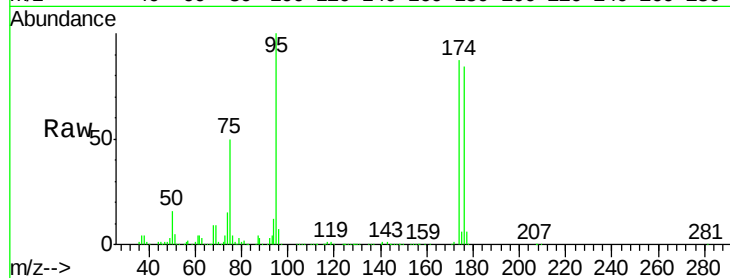
Tot Ion: 95 Resp: 173624

Ion Ratio Lower Upper

95 100

174 86.8 0.0 163.0

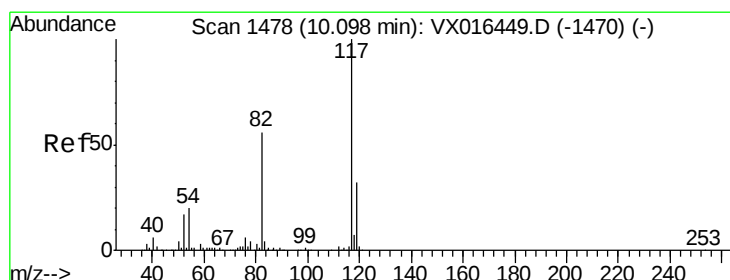
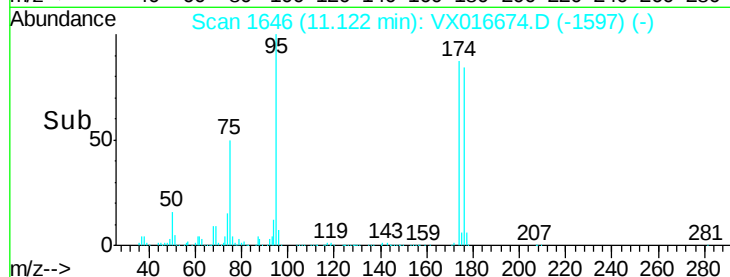
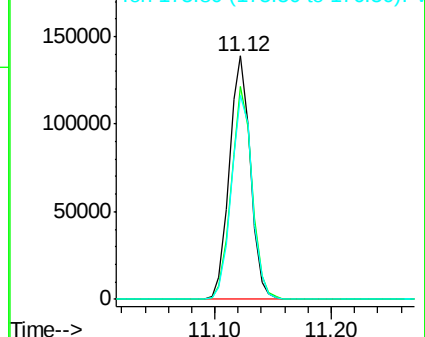
176 84.3 0.0 156.8



Abundance Ion 94.90 (94.60 to 95.60): VX016674.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX016674.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX016674.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

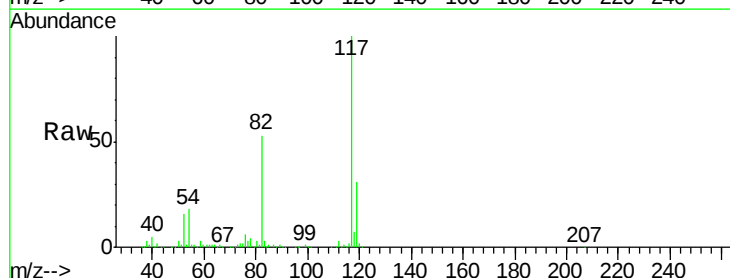
Tgt Ion: 117 Resp: 353500

Ion Ratio Lower Upper

117 100

82 52.8 45.0 67.6

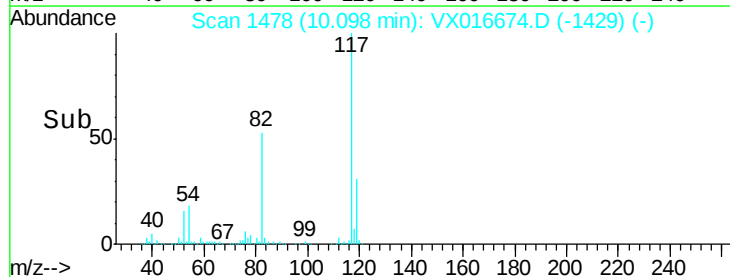
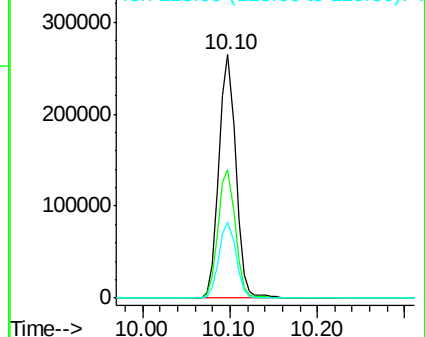
119 31.4 25.8 38.8

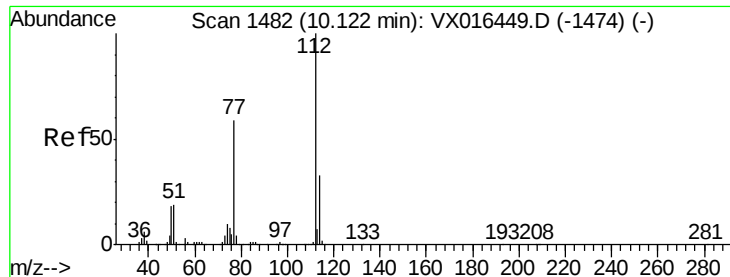


Abundance Ion 116.90 (116.60 to 117.60): VX016674.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX016674.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX016674.D (-1429) (-)





#65

Chlorobenzene

Concen: 63.749 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. -0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

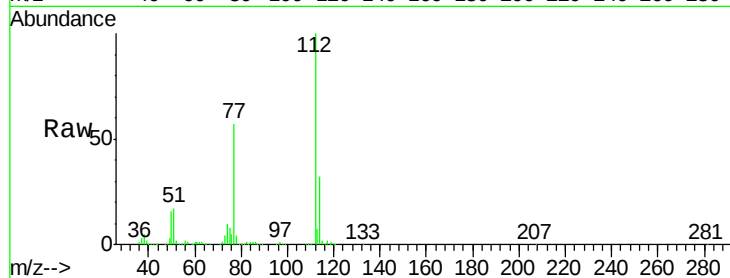
Z5-DUP-0564-200609

Tot Ion:112 Resp: 459432

Ion Ratio Lower Upper

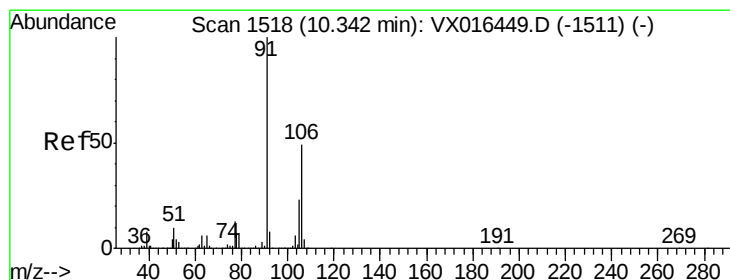
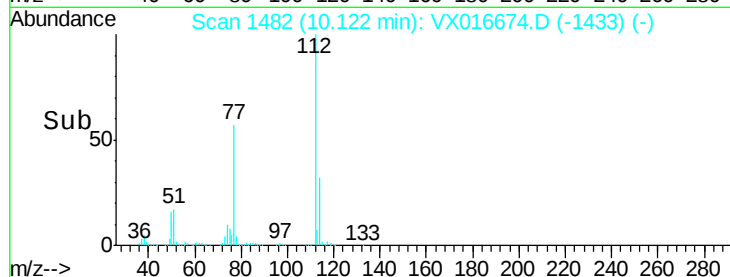
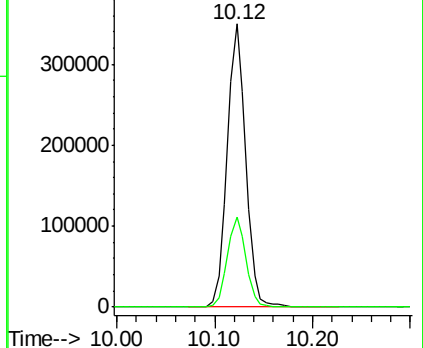
112 100

114 31.8 26.0 39.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#68

m/p-Xylenes

Concen: 0.292 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX016674.D

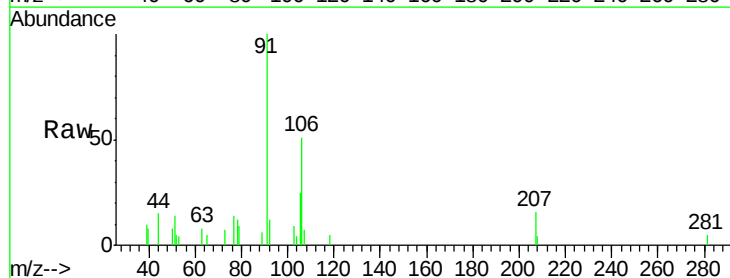
Acq: 10 Jun 2020 15:01

Tgt Ion:106 Resp: 1388

Ion Ratio Lower Upper

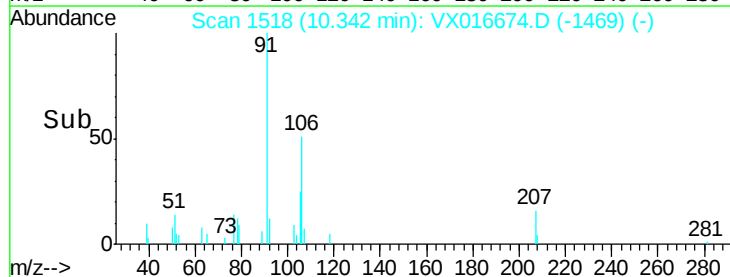
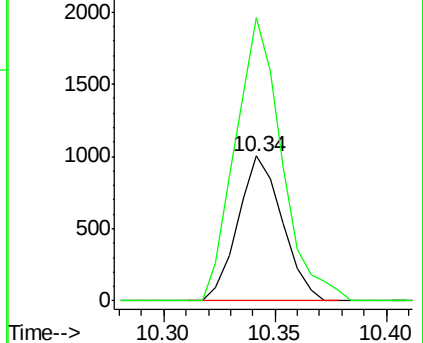
106 100

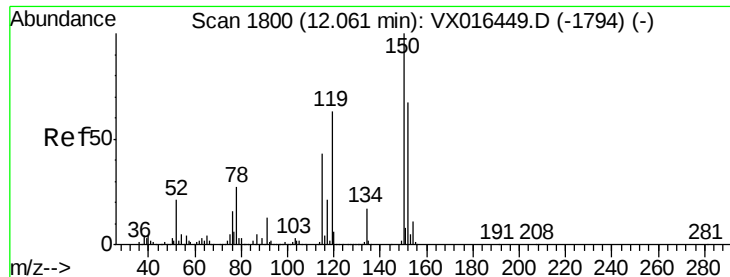
91 205.2 163.8 245.8



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: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

Instrument :

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ClientSampleId :

Z5-DUP-0564-200609

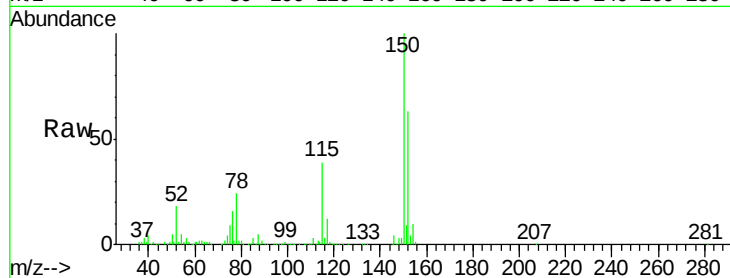
Tot Ion:152 Resp: 186528

Ion Ratio Lower Upper

152 100

115 58.4 39.9 119.6

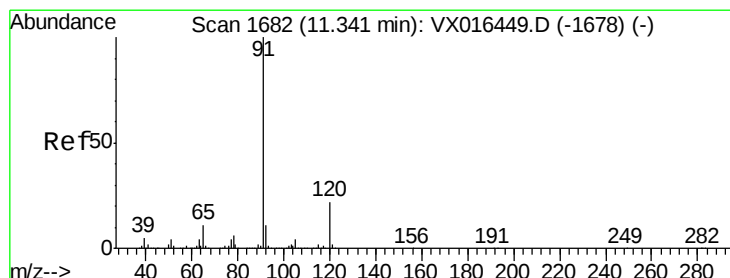
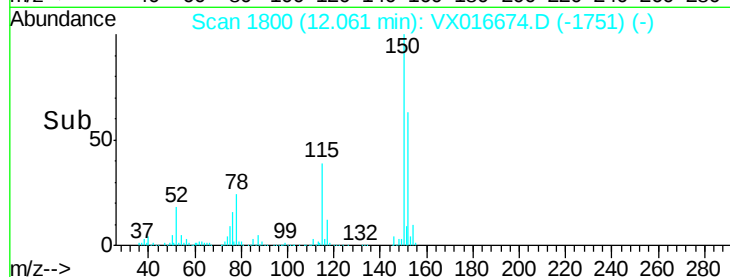
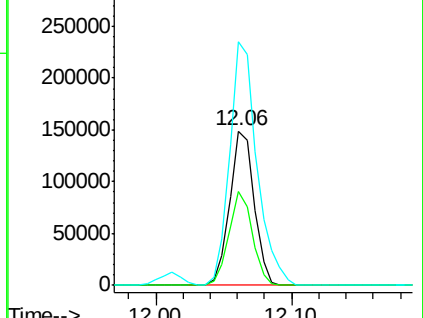
150 176.1 0.0 341.0



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



#78

n-propylbenzene

Concen: 0.237 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. 0.00 min

Lab File: VX016674.D

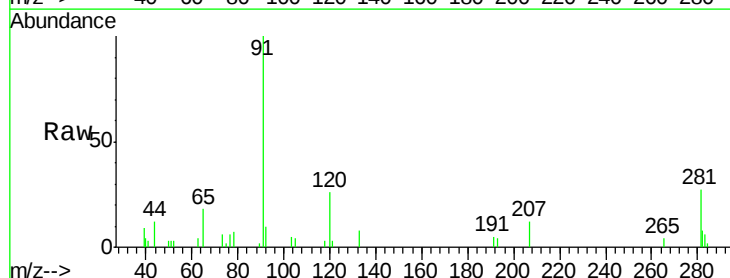
Acq: 10 Jun 2020 15:01

Tgt Ion: 91 Resp: 3424

Ion Ratio Lower Upper

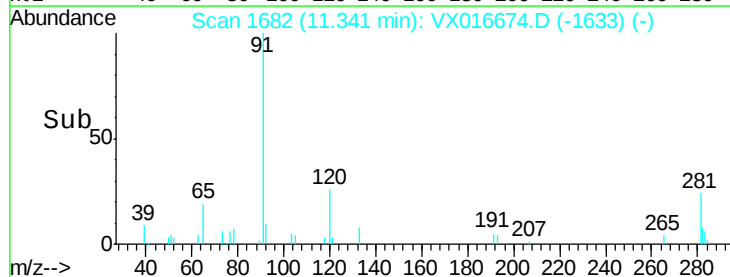
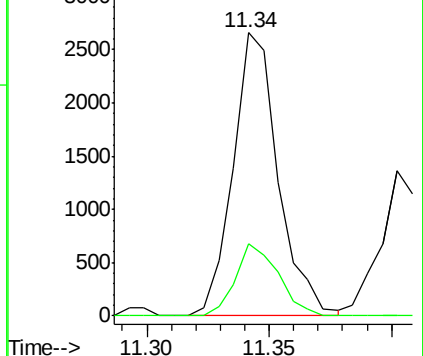
91 100

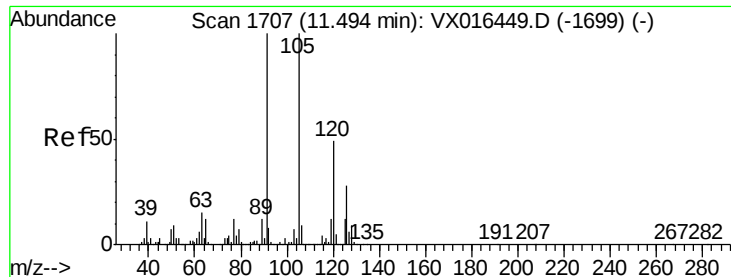
120 24.0 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#82

4-Chlorotoluene

Concen: 0.254 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

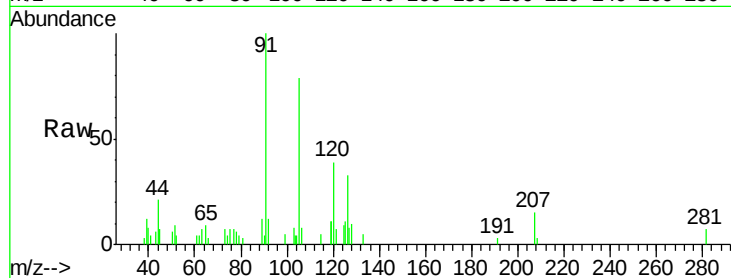
Z5-DUP-0564-200609

Tot Ion: 91 Resp: 2645

Ion Ratio Lower Upper

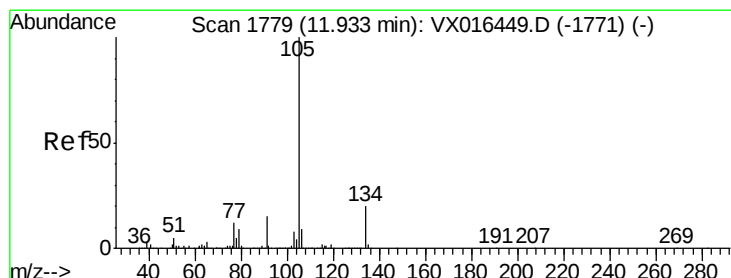
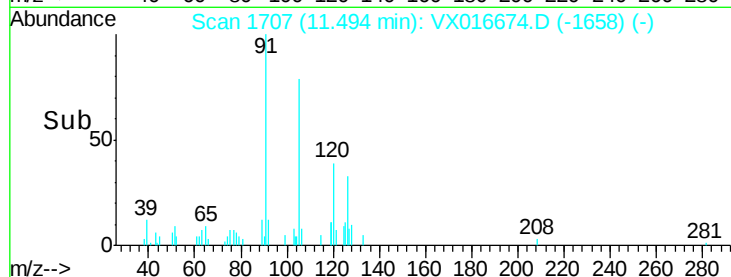
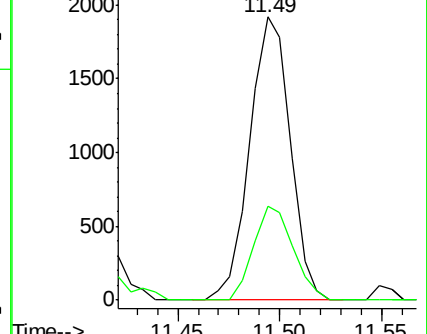
91 100

126 32.6 14.7 44.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



#85

sec-Butylbenzene

Concen: 0.294 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VX016674.D

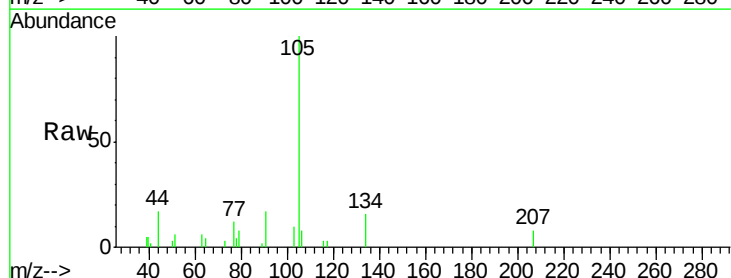
Acq: 10 Jun 2020 15:01

Tgt Ion:105 Resp: 3401

Ion Ratio Lower Upper

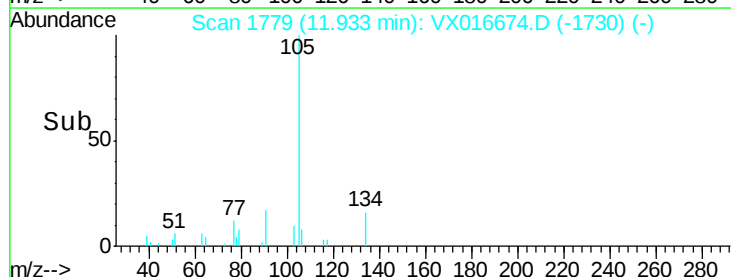
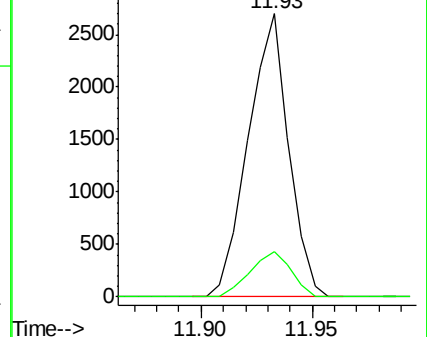
105 100

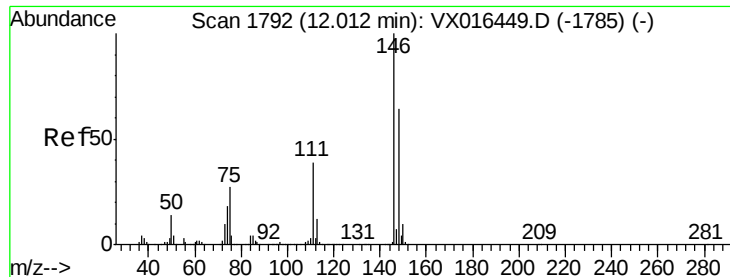
134 16.1 10.1 30.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

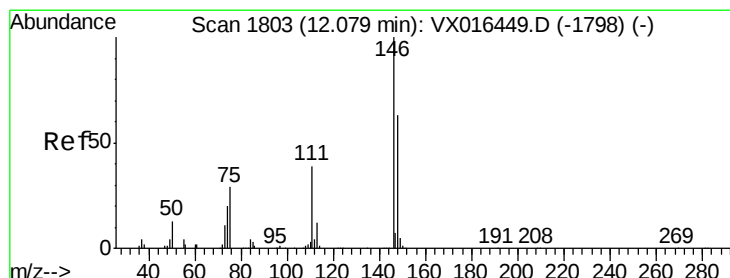
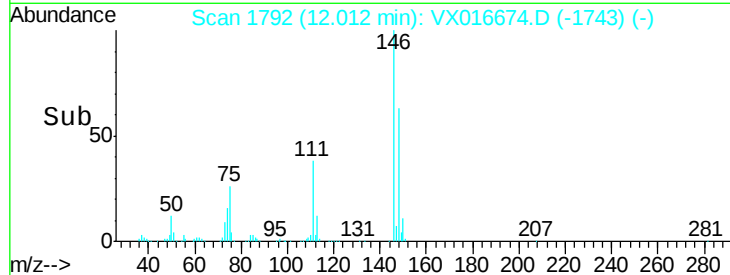
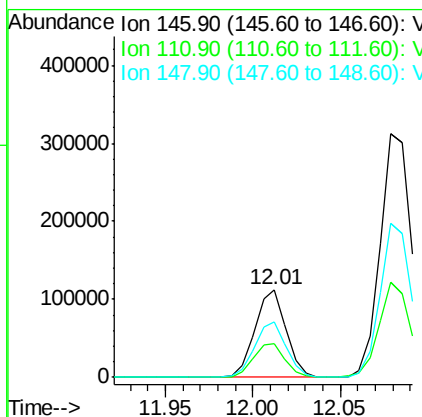
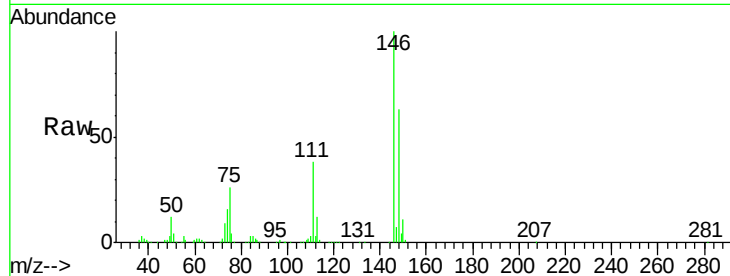




#87
 1,3-Dichlorobenzene
 Concen: 23.481 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX016674.D
 Acq: 10 Jun 2020 15:01

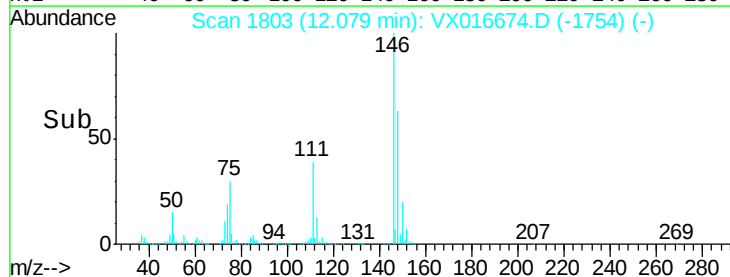
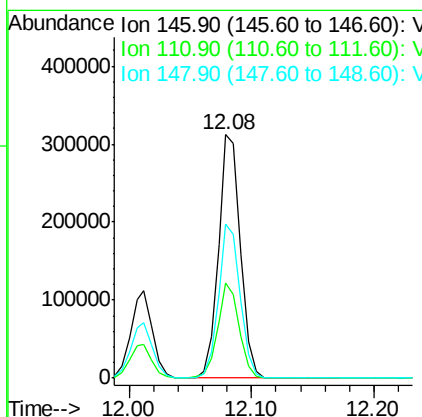
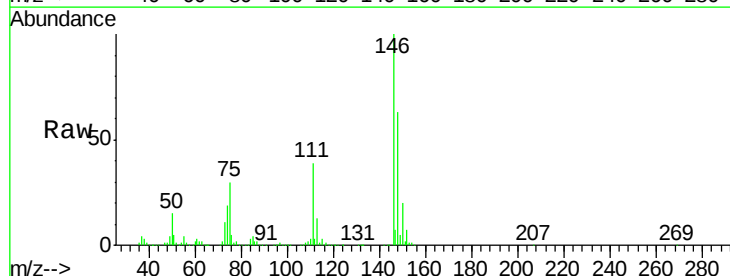
Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-DUP-0564-200609

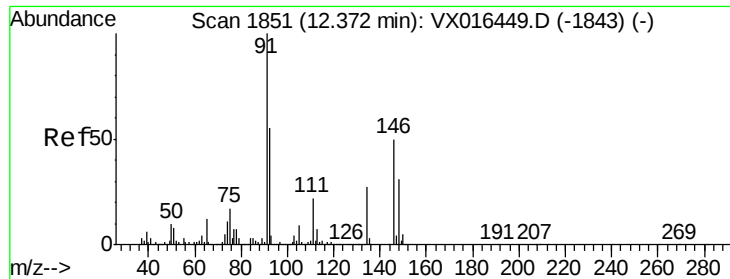
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.0	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 64.622 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VX016674.D
 Acq: 10 Jun 2020 15:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.2
148	62.6	31.4	94.3





#89

n-Butylbenzene

Concen: 0.652 ug/l

RT: 12.37 min Scan# 1851

Delta R.T. -0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0564-200609

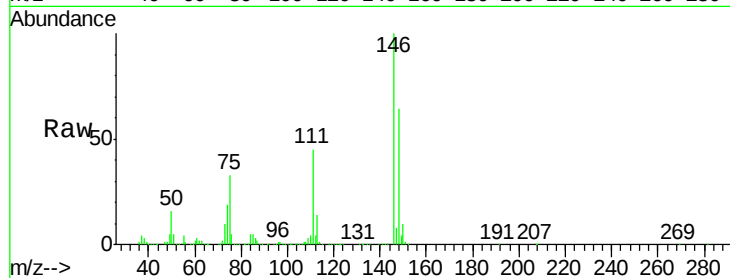
Tot Ion: 91 Resp: 5888

Ion Ratio Lower Upper

91 100

92 61.5 27.2 81.5

134 32.0 13.1 39.3

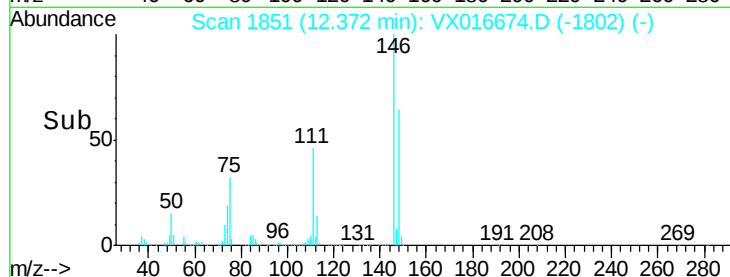


Abundance Ion 91.00 (90.70 to 91.70): VX016674.D (-1802) (-)

Ion 92.00 (91.70 to 92.70): VX016674.D (-1802) (-)

Ion 134.00 (133.70 to 134.70): VX016674.D (-1802) (-)

Time-->



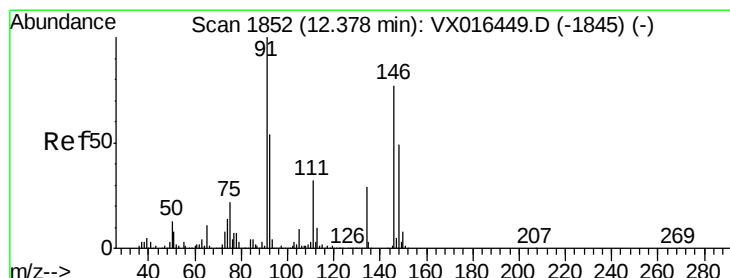
Abundance

Ion 91.00 (90.70 to 91.70): VX016674.D (-1802) (-)

Ion 92.00 (91.70 to 92.70): VX016674.D (-1802) (-)

Ion 134.00 (133.70 to 134.70): VX016674.D (-1802) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 338.995 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

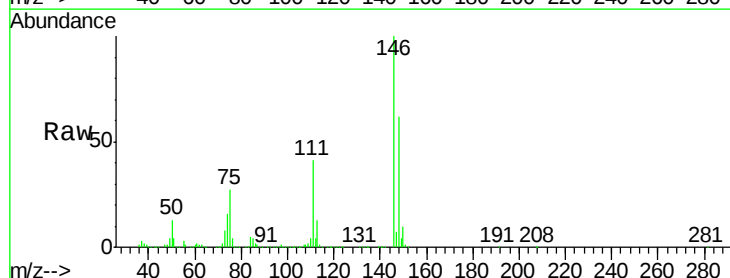
Tgt Ion: 146 Resp: 1928793

Ion Ratio Lower Upper

146 100

111 41.6 21.4 64.3

148 64.1 31.9 95.7

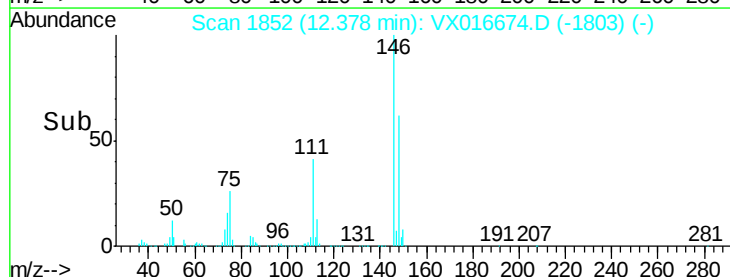


Abundance Ion 145.90 (145.60 to 146.60): VX016674.D (-1803) (-)

Ion 110.90 (110.60 to 111.60): VX016674.D (-1803) (-)

Ion 147.90 (147.60 to 148.60): VX016674.D (-1803) (-)

Time-->



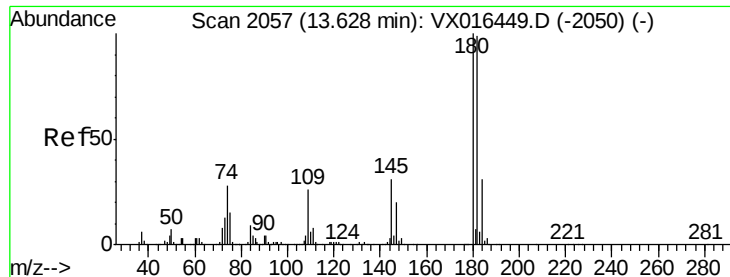
Abundance

Ion 145.90 (145.60 to 146.60): VX016674.D (-1803) (-)

Ion 110.90 (110.60 to 111.60): VX016674.D (-1803) (-)

Ion 147.90 (147.60 to 148.60): VX016674.D (-1803) (-)

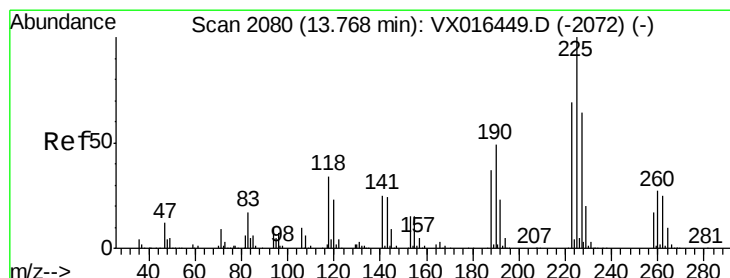
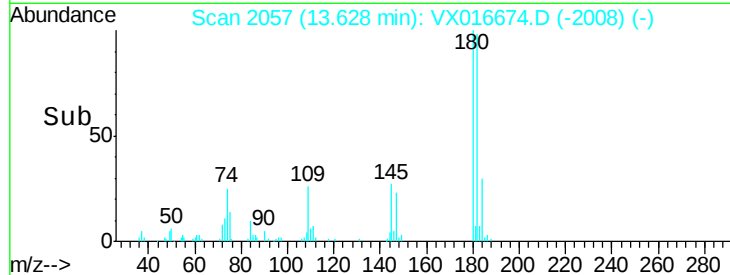
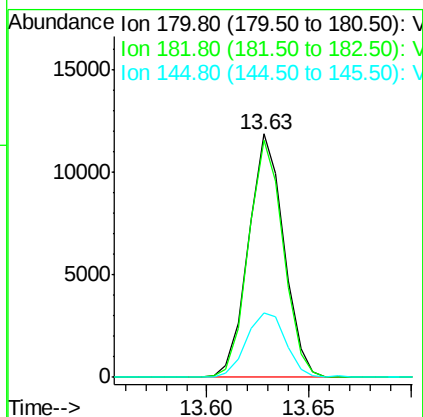
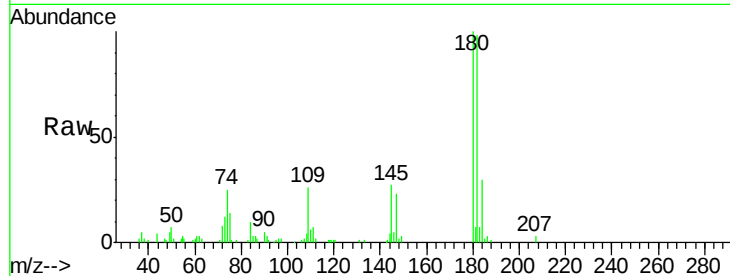
Time-->



#93
 1,2,4-Trichlorobenzene
 Concen: 3.798 ug/l
 RT: 13.63 min Scan# 2057
 Delta R.T. 0.00 min
 Lab File: VX016674.D
 Acq: 10 Jun 2020 15:01

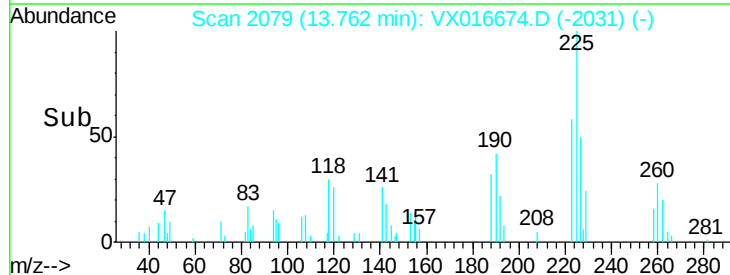
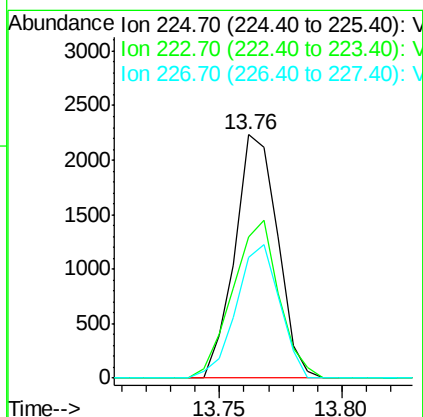
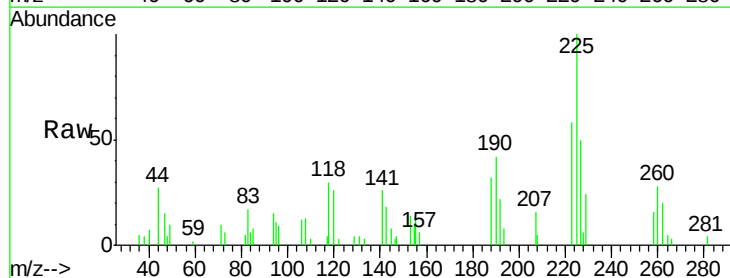
Instrument :
 MSVOA_X
 ClientSampleId :
 Z5-DUP-0564-200609

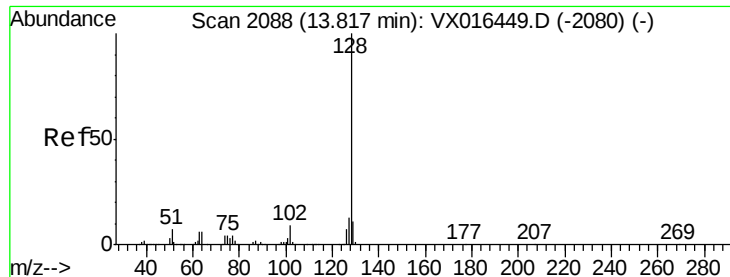
Tot Ion:180 Resp: 14351
 Ion Ratio Lower Upper
 180 100
 182 95.8 48.3 144.8
 145 29.2 15.4 46.2



#94
 Hexachlorobutadiene
 Concen: 1.832 ug/l
 RT: 13.76 min Scan# 2079
 Delta R.T. -0.01 min
 Lab File: VX016674.D
 Acq: 10 Jun 2020 15:01

Tgt Ion:225 Resp: 2718
 Ion Ratio Lower Upper
 225 100
 223 70.5 32.3 96.8
 227 55.7 31.6 94.7





#95

Naphthalene

Concen: 0.558 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

Instrument :

MSVOA_X

ClientSampleId :

Z5-DUP-0564-200609

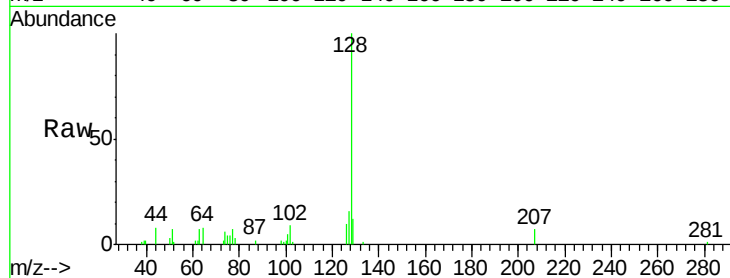
Tot Ion:128 Resp: 7234

Ion Ratio Lower Upper

128 100

127 14.5 10.6 15.8

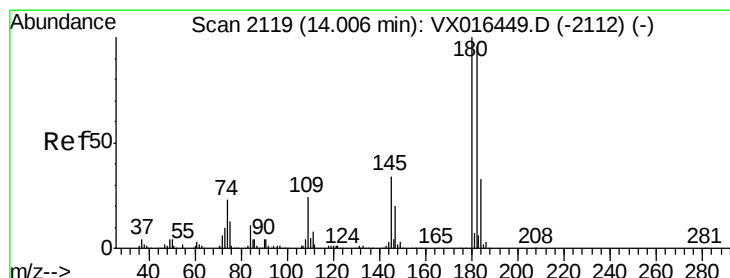
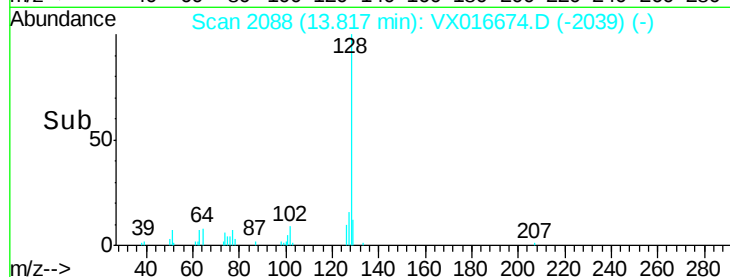
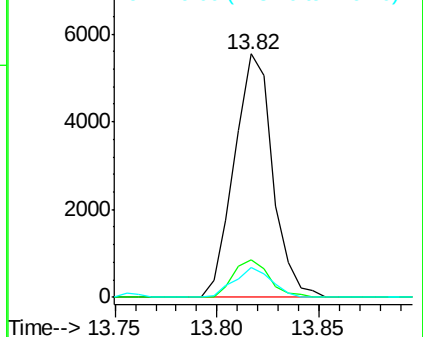
129 11.8 8.6 13.0



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: 2.576 ug/l

RT: 14.01 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VX016674.D

Acq: 10 Jun 2020 15:01

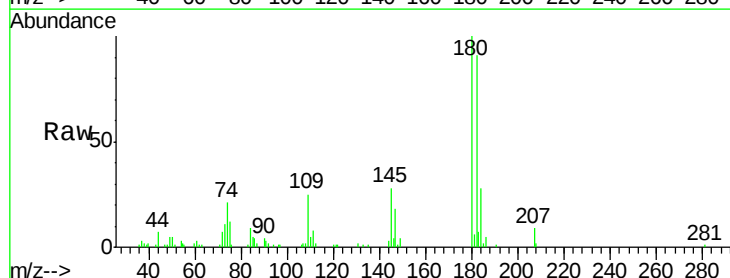
Tgt Ion:180 Resp: 9535

Ion Ratio Lower Upper

180 100

182 96.2 48.6 145.8

145 32.2 16.6 49.8



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

