

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051820\
 Data File : VV016100.D
 Acq On : 18 May 2020 14:42
 Operator : SY/MD
 Sample : L2655-03 100X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 19 04:49:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue May 19 04:04:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	337377	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	326721	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	152834	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	112367	46.18	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.36%
7) Chloroethane-d5	1.58	69	100554	46.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.18%
11) 1,1-Dichloroethene-d2	2.13	63	165550	35.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.98%
21) 2-Butanone-d5	3.94	46	147167	100.29	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.29%
24) Chloroform-d	4.38	84	203905	43.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.56%
26) 1,2-Dichloroethane-d4	5.06	65	156929	49.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.02%
32) Benzene-d6	5.08	84	434726	48.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.04%
36) 1,2-Dichloropropane-d6	6.10	67	140049	49.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.82%
41) Toluene-d8	7.34	98	400634	47.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.84%
43) trans-1,3-Dichloropropene-	7.64	79	65549	46.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.24%
47) 2-Hexanone-d5	8.12	63	96751	104.85	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.85%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	170114	47.70	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	150943	49.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.88%

Target Compounds

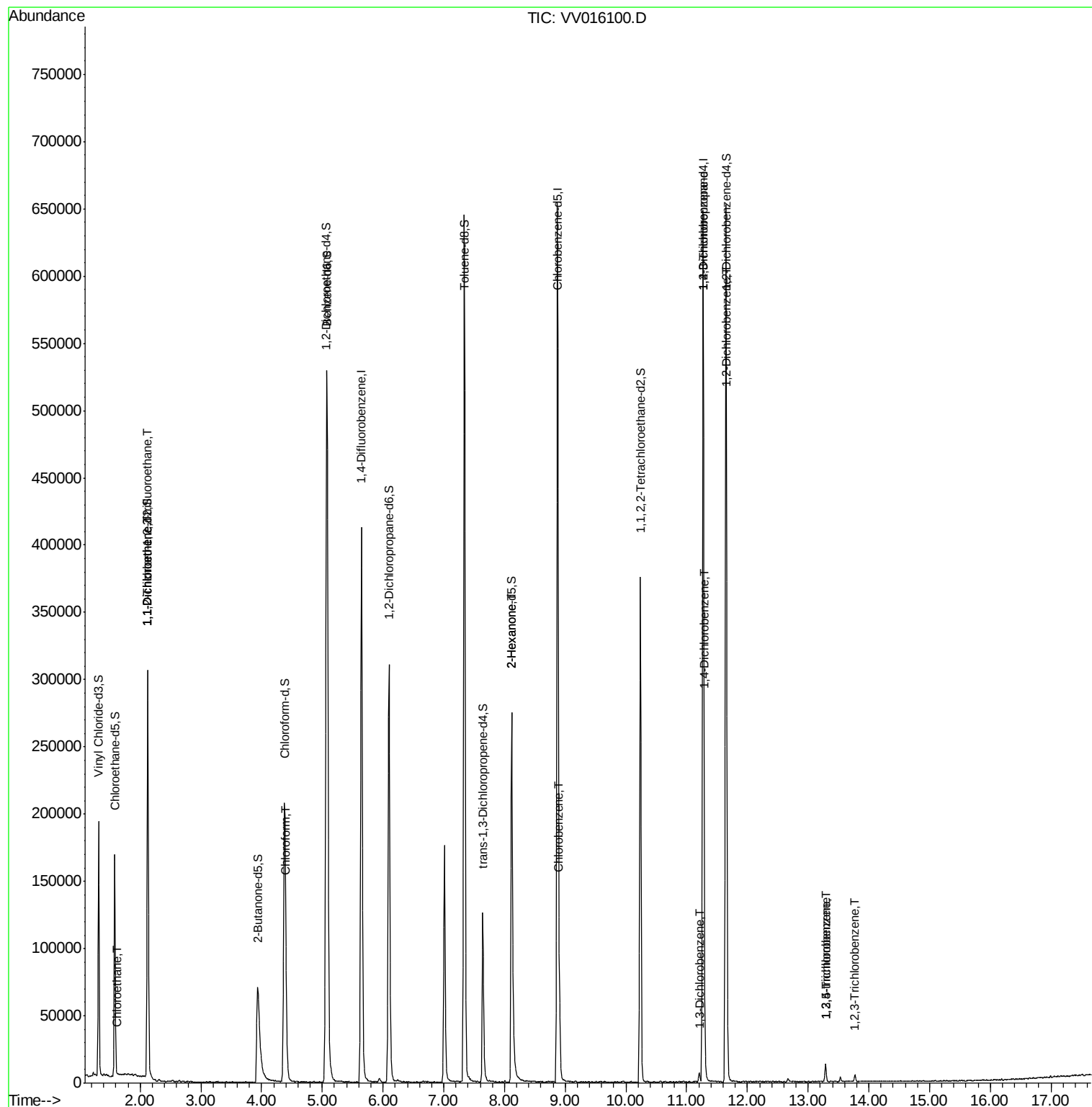
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.62	64	1547	0.887	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1541	0.714	ug/L #	28
12) 1,1-Dichloroethene	2.13	96	1387	0.700	ug/L #	1
25) Chloroform	4.41	83	18422	3.919	ug/L	93
48) 2-Hexanone	8.12	43	15832	6.620	ug/L #	77
51) Chlorobenzene	8.91	112	26572	4.076	ug/L	99
59) 1,2,3-Trichloropropane	11.27	75	24637	8.253	ug/L	99
62) 1,3-Dichlorobenzene	11.21	146	2617	0.551	ug/L	96
63) 1,4-Dichlorobenzene	11.30	146	15542	3.202	ug/L	95
65) 1,2-Dichlorobenzene	11.67	146	19151	3.997	ug/L	97
67) 1,3,5-Trichlorobenzene	13.29	180	3580	1.092	ug/L	95
68) 1,2,4-trichlorobenzene	13.29	180	3580	1.216	ug/L	96
70) 1,2,3-Trichlorobenzene	13.77	180	1579	0.529	ug/L	98

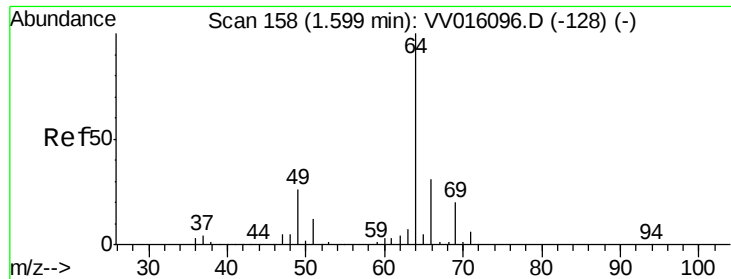
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV051820\
Data File : VV016100.D
Acq On : 18 May 2020 14:42
Operator : SY/MD
Sample : L2655-03 100X
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: May 19 04:49:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM051820WMA.M
Quant Title : VOC Analysis
QLast Update : Tue May 19 04:04:01 2020
Response via : Initial Calibration





#8

Chloroethane

Concen: 0.887 ug/L

RT: 1.62 min Scan# 165

Delta R.T. 0.02 min

Lab File: VV016100.D

Acq: 18 May 2020 14:42

Instrument :

MSVOA_V

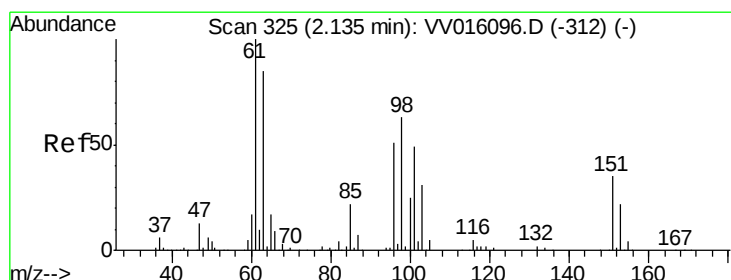
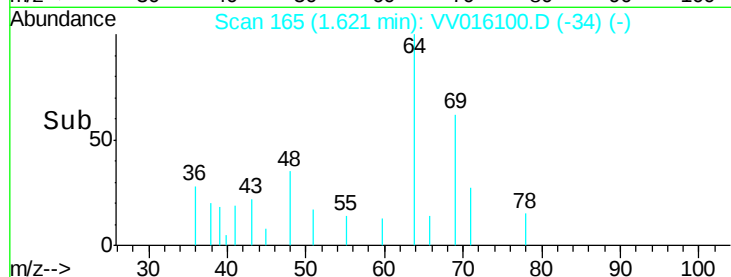
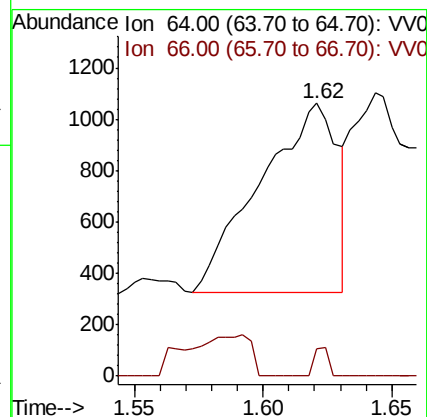
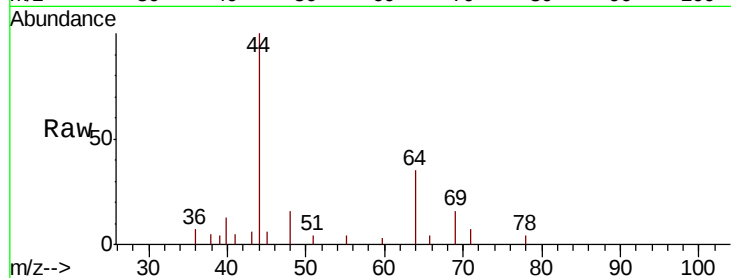
ClientSampleId :

Tot Ion: 64 Resp: 1547

Ion Ratio Lower Upper

64 100

66 10.2 22.0 40.8#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.714 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV016100.D

Acq: 18 May 2020 14:42

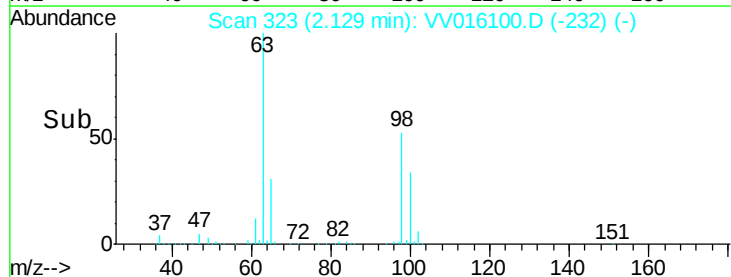
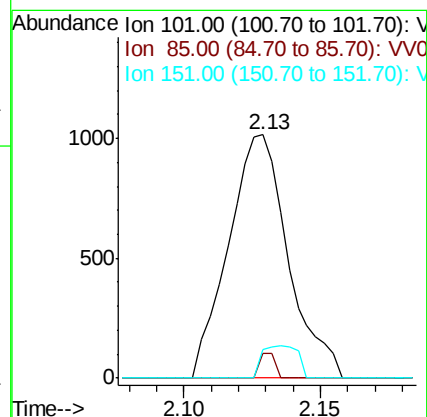
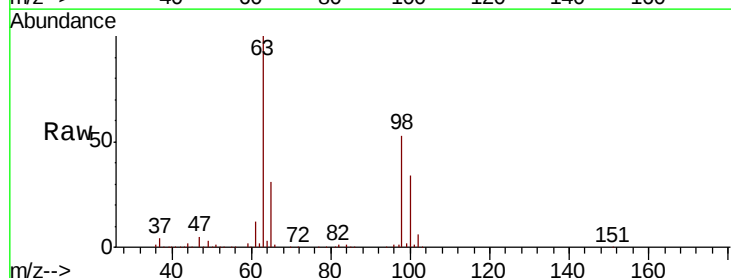
Tgt Ion: 101 Resp: 1541

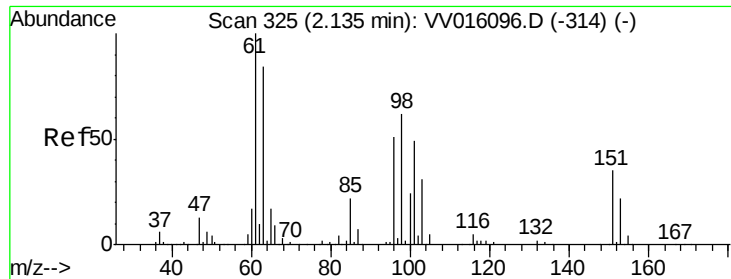
Ion Ratio Lower Upper

101 100

85 2.6 36.2 54.4#

151 7.8 56.9 85.3#





#12

1,1-Dichloroethene

Concen: 0.700 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV016100.D

Acq: 18 May 2020 14:42

Instrument :

MSVOA_V

ClientSampled :

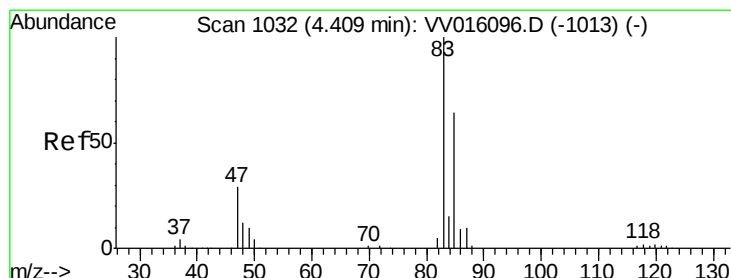
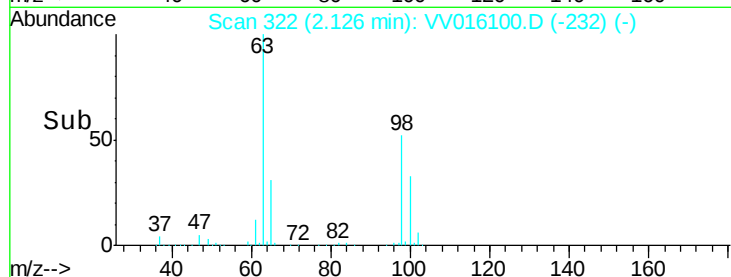
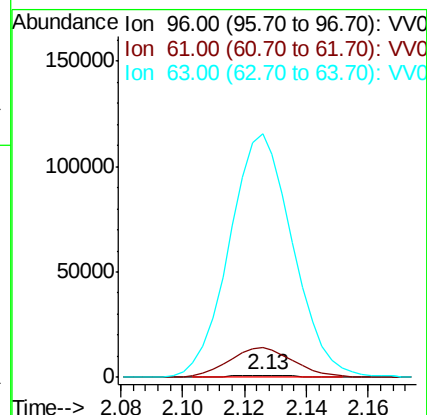
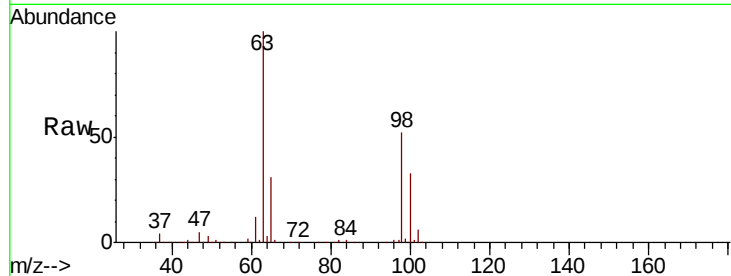
Tot Ion: 96 Resp: 1387

Ion Ratio Lower Upper

96 100

61 1440.3 136.8 254.2#

63 11809.4 116.6 216.5#



#25

Chloroform

Concen: 3.919 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. -0.00 min

Lab File: VV016100.D

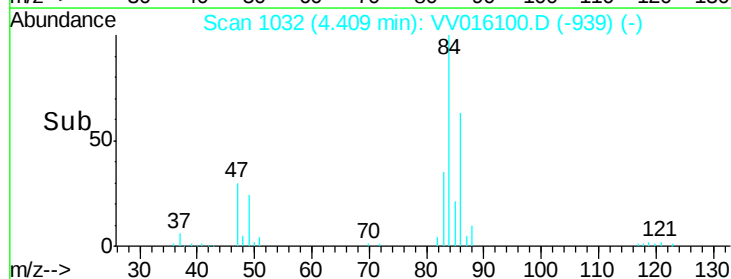
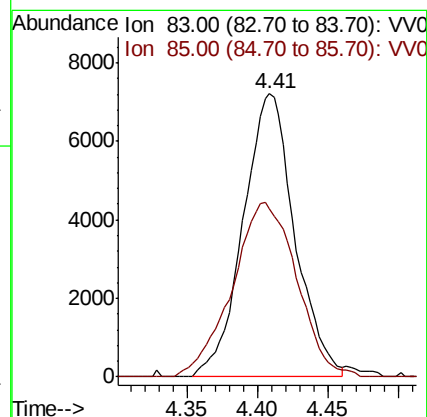
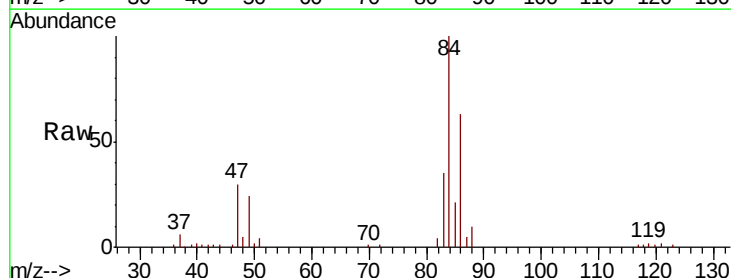
Acq: 18 May 2020 14:42

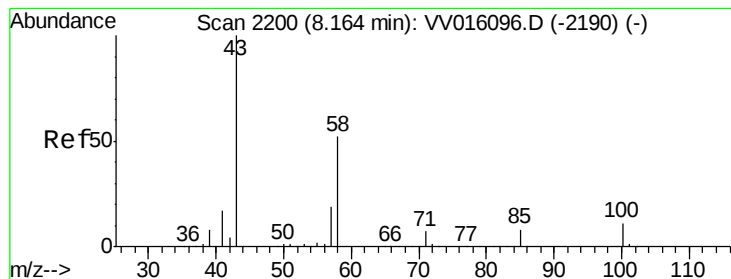
Tgt Ion: 83 Resp: 18422

Ion Ratio Lower Upper

83 100

85 59.2 45.1 83.9





#48

2-Hexanone

Concen: 6.620 ug/L

RT: 8.12 min Scan# 2185

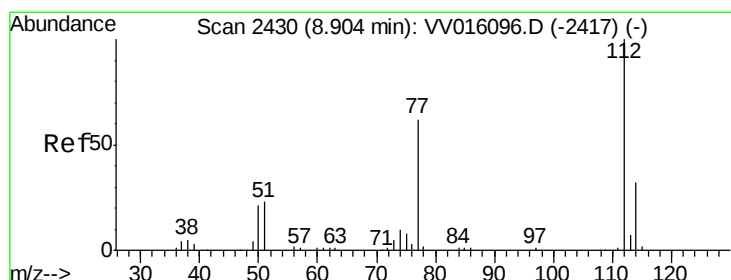
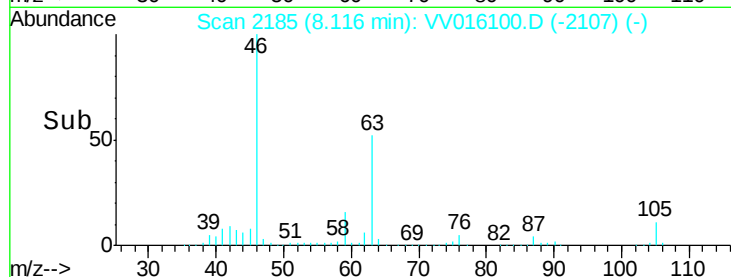
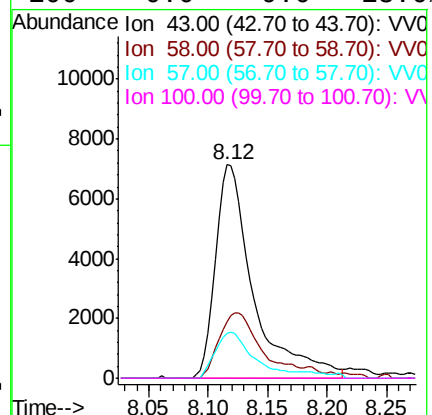
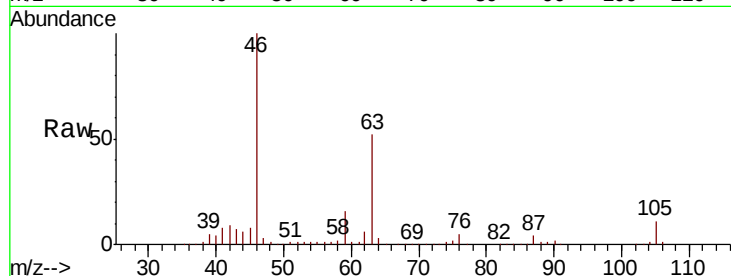
Delta R.T. -0.05 min

Lab File: VV016100.D

Acq: 18 May 2020 14:42

Instrument :
MSVOA_V
ClientSampled :

Tot Ion:	43	Resp:	15832
Ion	Ratio	Lower	Upper
43	100		
58	31.6	40.9	61.3#
57	21.8	15.0	22.4
100	0.0	9.0	13.6#



#51

Chlorobenzene

Concen: 4.076 ug/L

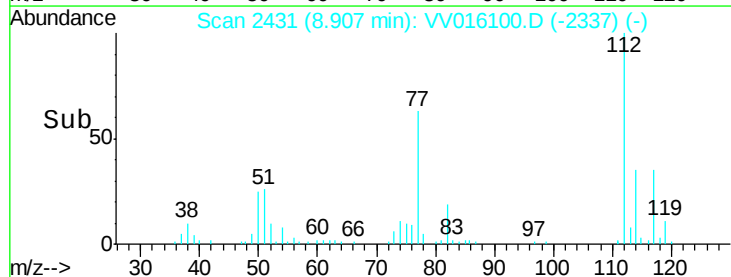
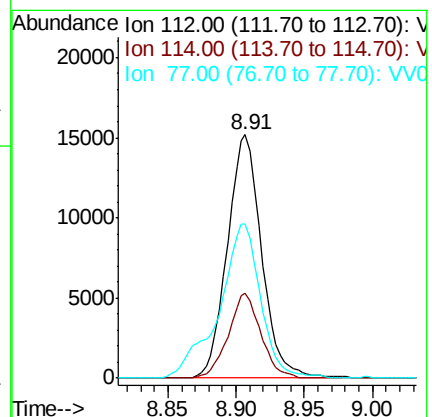
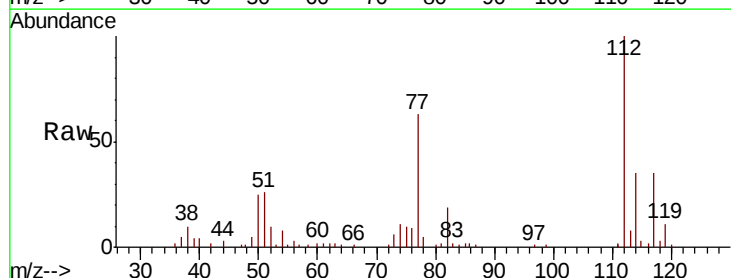
RT: 8.91 min Scan# 2431

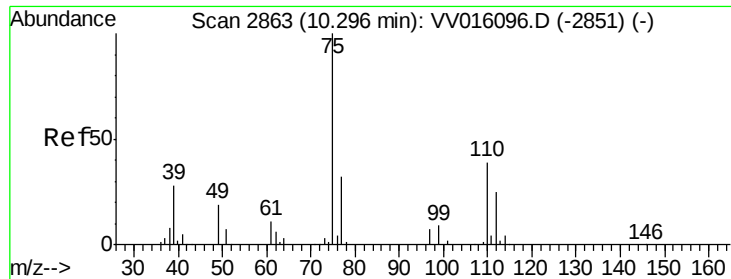
Delta R.T. 0.00 min

Lab File: VV016100.D

Acq: 18 May 2020 14:42

Tgt Ion:	112	Resp:	26572
Ion	Ratio	Lower	Upper
112	100		
114	34.6	22.5	41.9
77	63.0	50.4	75.6





#59

1,2,3-Trichloropropane

Concen: 8.253 ug/L

RT: 11.27 min Scan# 3167

Delta R.T. 0.98 min

Lab File: VV016100.D

Acq: 18 May 2020 14:42

Instrument :

MSVOA_V

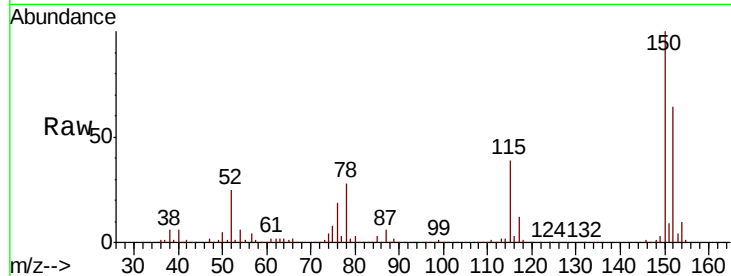
ClientSampled :

Tot Ion: 75 Resp: 24637

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VV016100.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016100.D (-2241) (-)

11.27

15000

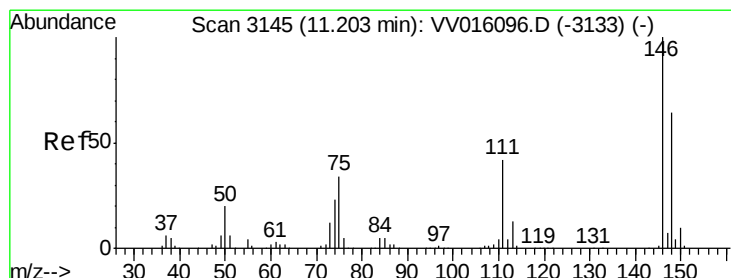
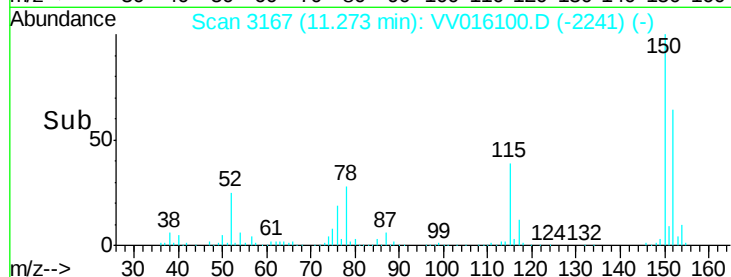
10000

5000

0

Time-->

11.20 11.25 11.30 11.35



#62

1,3-Dichlorobenzene

Concen: 0.551 ug/L

RT: 11.21 min Scan# 3147

Delta R.T. 0.01 min

Lab File: VV016100.D

Acq: 18 May 2020 14:42

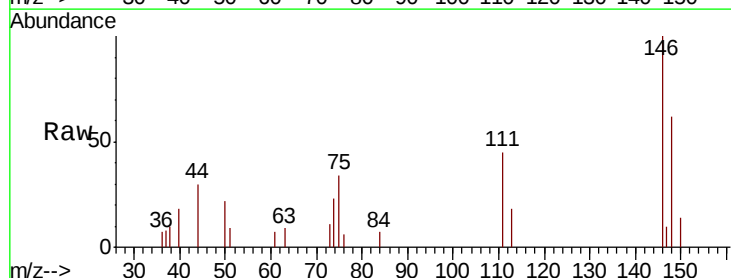
Tgt Ion: 146 Resp: 2617

Ion Ratio Lower Upper

146 100

111 45.1 29.1 54.1

148 61.5 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): VV016100.D (-3052) (-)

Ion 111.00 (110.70 to 111.70): VV016100.D (-3052) (-)

Ion 148.00 (147.70 to 148.70): VV016100.D (-3052) (-)

11.21

2000

1500

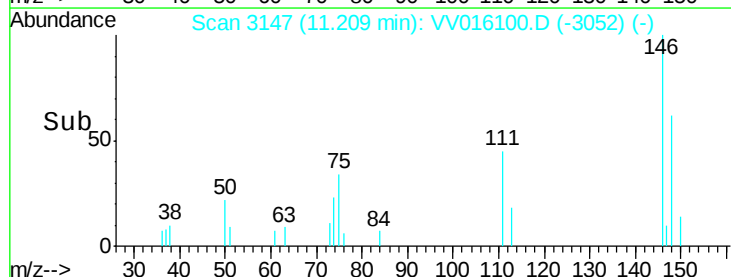
1000

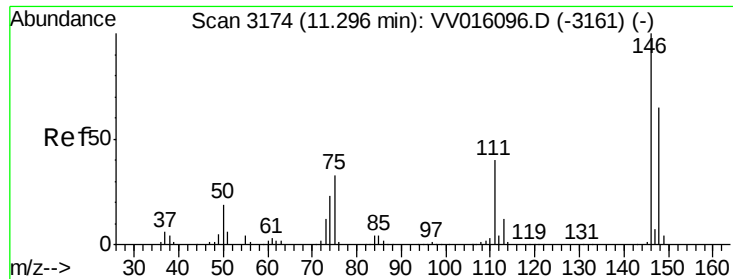
500

0

Time-->

11.20 11.25





#63

1,4-Dichlorobenzene

Concen: 3.202 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016100.D

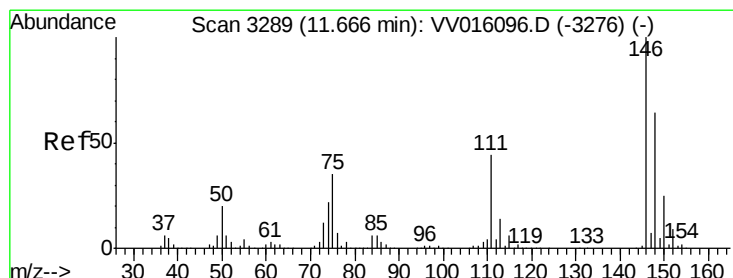
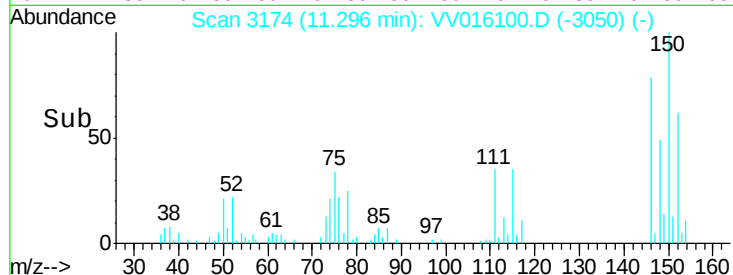
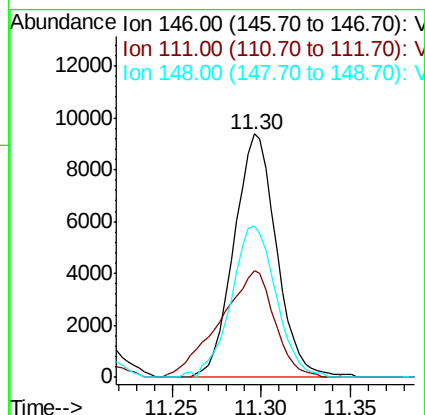
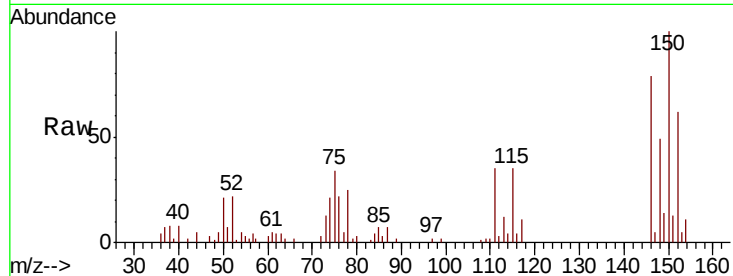
Acq: 18 May 2020 14:42

Instrument :

MSVOA_V

ClientSampled :

Tot Ion:146	Resp:	15542
Ion Ratio	Lower	Upper
146	100	
111	44.0	28.1 52.3
148	62.2	45.7 84.9



#65

1,2-Dichlorobenzene

Concen: 3.997 ug/L

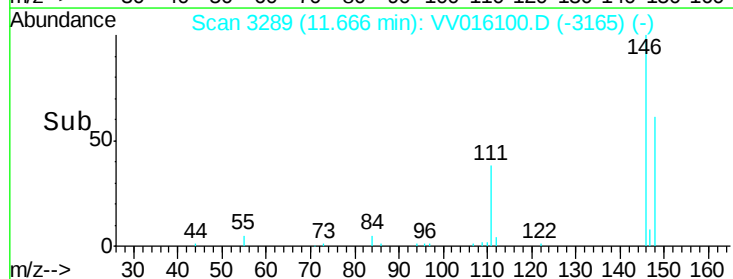
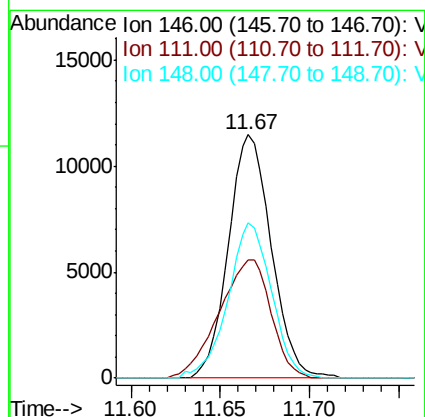
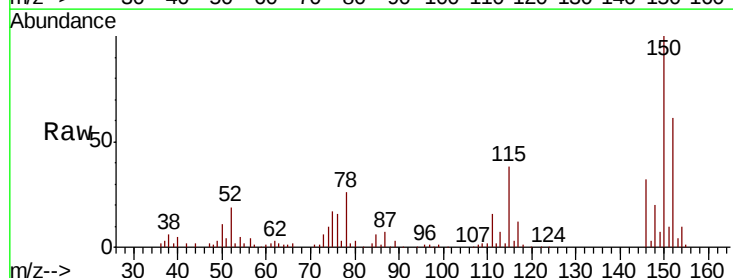
RT: 11.67 min Scan# 3289

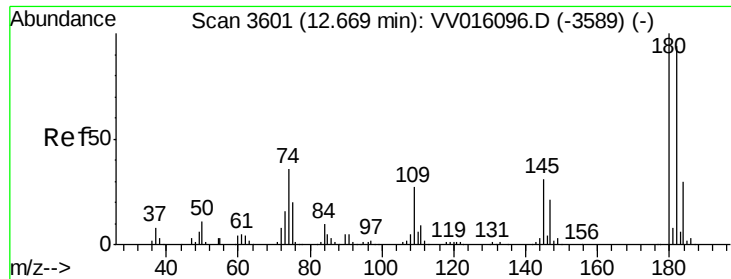
Delta R.T. -0.00 min

Lab File: VV016100.D

Acq: 18 May 2020 14:42

Tgt Ion:146	Resp:	19151
Ion Ratio	Lower	Upper
146	100	
111	48.4	35.2 52.8
148	63.6	51.4 77.2

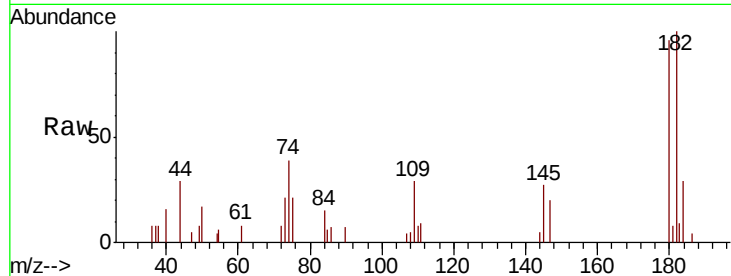




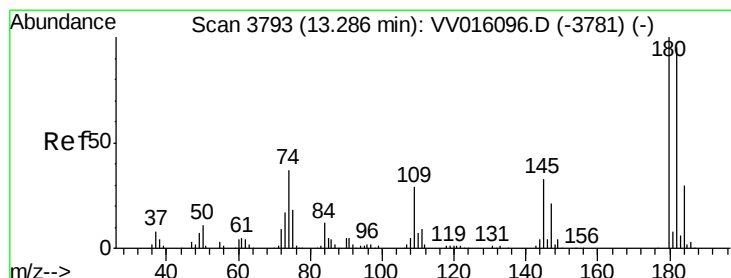
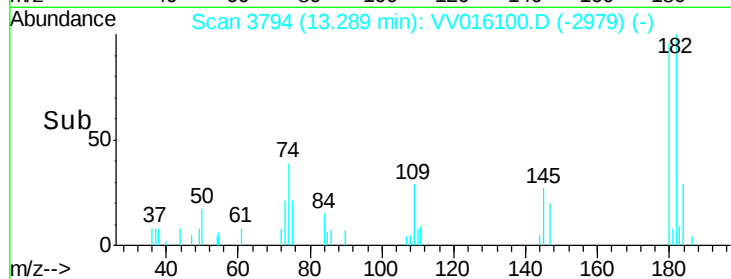
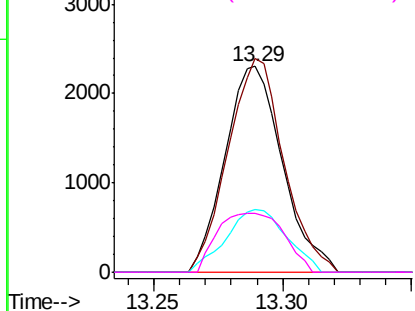
#67
 1,3,5-Trichlorobenzene
 Concen: 1.092 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.62 min
 Lab File: VV016100.D
 Acq: 18 May 2020 14:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180	Resp:	3580
Ion	Ratio	Lower Upper
180	100	
182	100.6	75.8 113.6
184	32.4	24.3 36.5
145	33.3	25.0 37.6

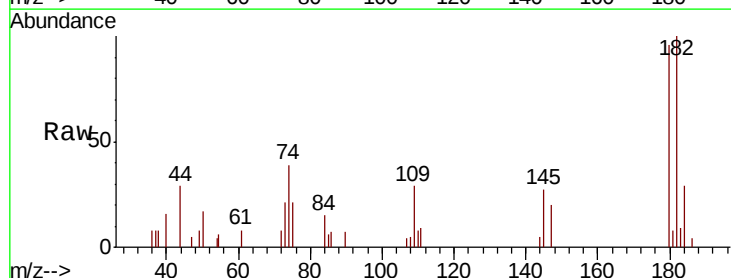


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

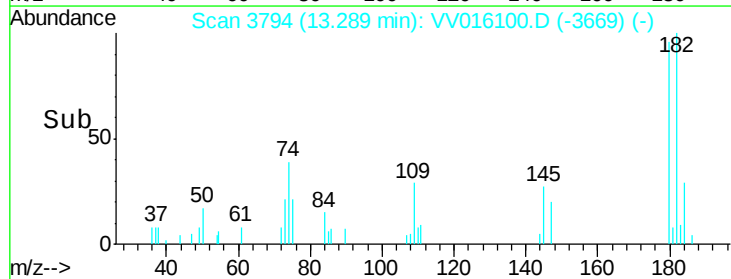
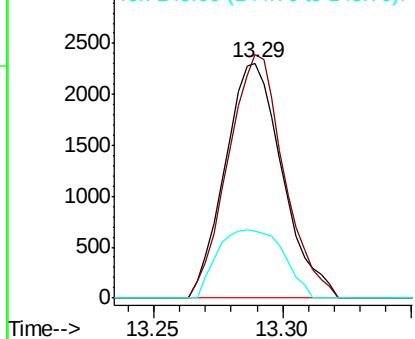


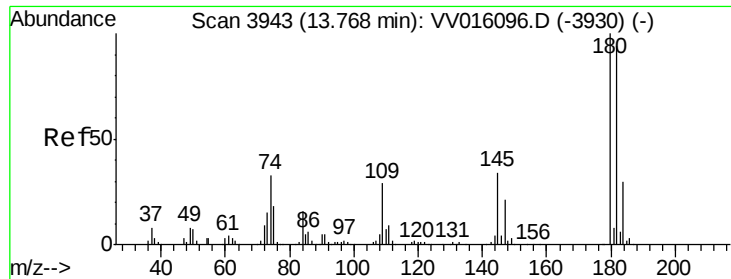
#68
 1,2,4-trichlorobenzene
 Concen: 1.216 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.00 min
 Lab File: VV016100.D
 Acq: 18 May 2020 14:42

Tgt Ion:180	Resp:	3580
Ion	Ratio	Lower Upper
180	100	
182	100.6	76.2 114.4
145	33.3	26.2 39.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

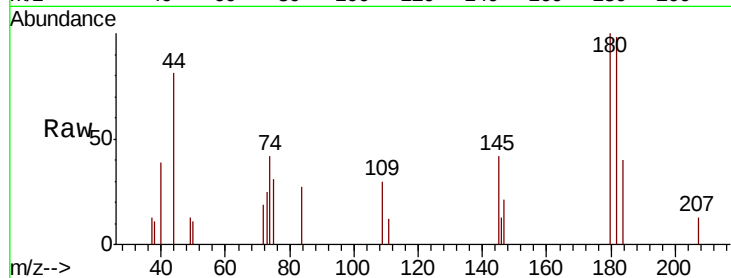




#70
 1,2,3-Trichlorobenzene
 Concen: 0.529 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV016100.D
 Acq: 18 May 2020 14:42

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 1579
 Ion Ratio Lower Upper
 180 100
 182 95.8 75.3 112.9
 145 33.8 27.4 41.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

