

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
 Data File : VV017529.D
 Acq On : 17 Jul 2020 17:27
 Operator : SY/MD
 Sample : L3336-06
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-4

Quant Time: Jul 18 05:10:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 18 05:06:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	346742	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	303899	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153579	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	83242	46.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.22%
7) Chloroethane-d5	1.58	69	66751	52.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	105.28%
11) 1,1-Dichloroethene-d2	2.12	63	137168	33.56	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.12%
21) 2-Butanone-d5	3.91	46	112326	91.10	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.10%
24) Chloroform-d	4.38	84	173273	41.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.00%
26) 1,2-Dichloroethane-d4	5.06	65	126345	44.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.18%
32) Benzene-d6	5.07	84	311618	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.94%
36) 1,2-Dichloropropane-d6	6.09	67	97317	51.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	102.96%
41) Toluene-d8	7.34	98	283195	44.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.74%
43) trans-1,3-Dichloropropene-	7.64	79	48108	43.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.44%
47) 2-Hexanone-d5	8.11	63	81267	104.75	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	104.75%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	126423	47.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	114923	44.75	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.50%

Target Compounds

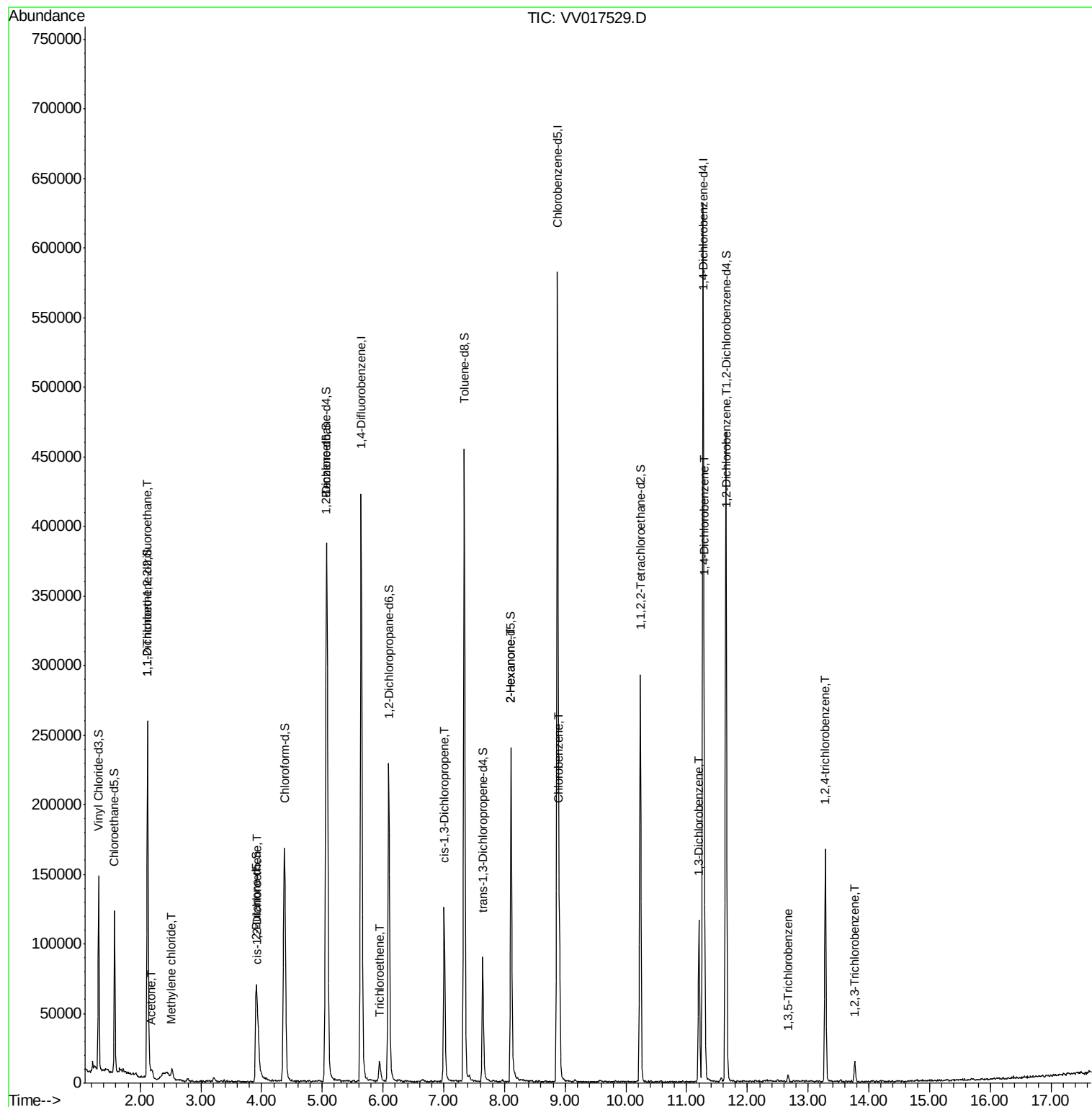
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1494	0.649	ug/L #	22
13) Acetone	2.20	43	8317	4.955	ug/L	97
16) Methylene chloride	2.52	84	2256	0.930	ug/L	83
20) cis-1,2-Dichloroethene	3.94	96	6797	2.801	ug/L	88
34) Trichloroethene	5.94	95	4331	1.816	ug/L	97
39) cis-1,3-Dichloropropene	7.00	75	3434	1.026	ug/L	90
48) 2-Hexanone	8.11	43	11181	5.084	ug/L #	66
51) Chlorobenzene	8.90	112	58550	9.623	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	46930	9.793	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	48299	9.930	ug/L	99
65) 1,2-Dichlorobenzene	11.66	146	6837	1.431	ug/L #	84
67) 1,3,5-Trichlorobenzene	12.67	180	1569	0.435	ug/L	96
68) 1,2,4-trichlorobenzene	13.28	180	48537	15.333	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	4840	1.503	ug/L	91

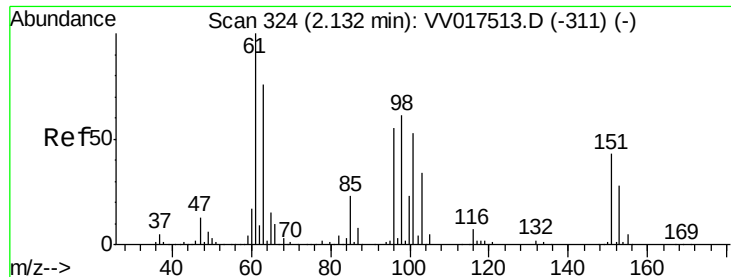
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Jul 18 05:06:25 2020
Response via : Initial Calibration





#10

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

Concen: 0.649 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017529.D

Acq: 17 Jul 2020 17:27

Instrument :

MSVOA_V

ClientSampleId :

PMW-4

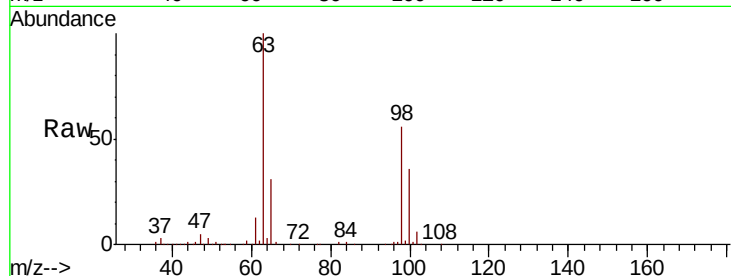
Tot Ion:101 Resp: 1494

Ion Ratio Lower Upper

101 100

85 5.1 36.2 54.4#

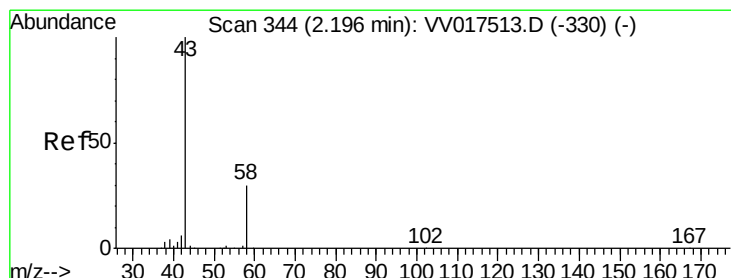
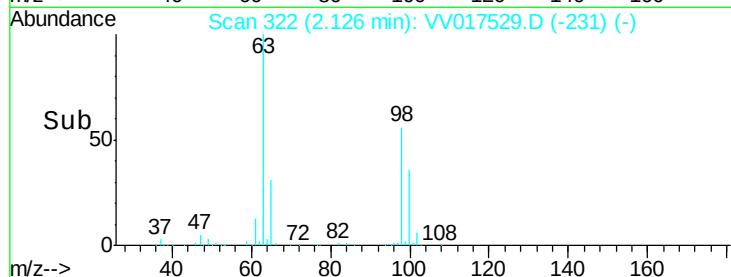
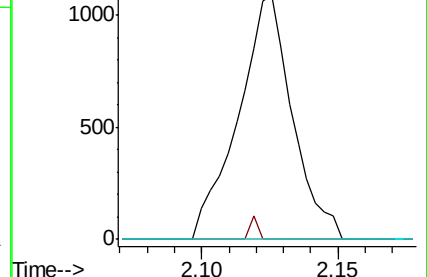
151 4.2 66.8 100.2#



Abundance Ion 101.00 (100.70 to 101.70): VV017513.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017513.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017513.D (-311) (-)



#13

Acetone

Concen: 4.955 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV017529.D

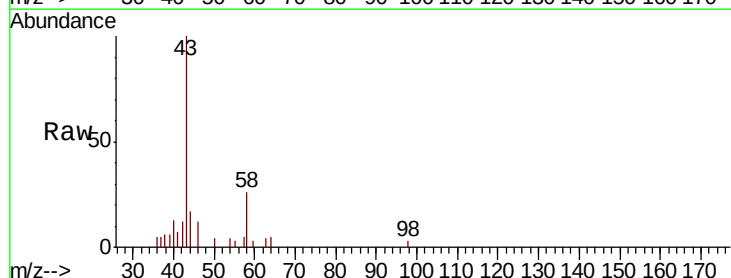
Acq: 17 Jul 2020 17:27

Tgt Ion: 43 Resp: 8317

Ion Ratio Lower Upper

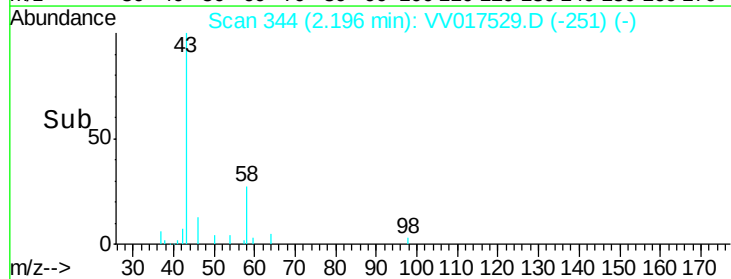
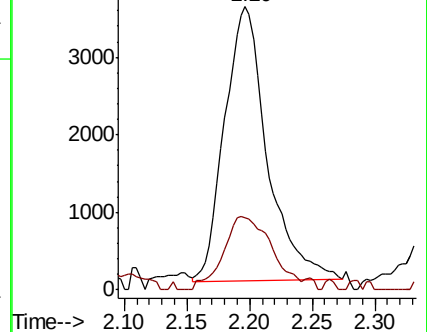
43 100

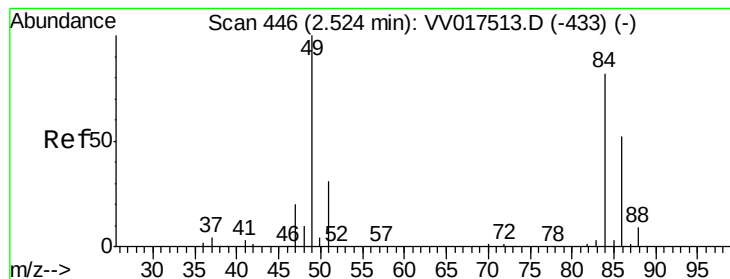
58 29.8 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV017513.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV017513.D (-330) (-)

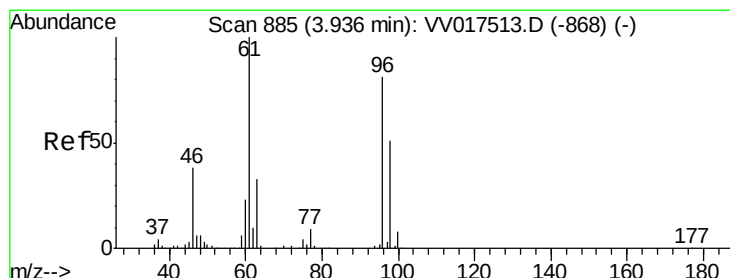
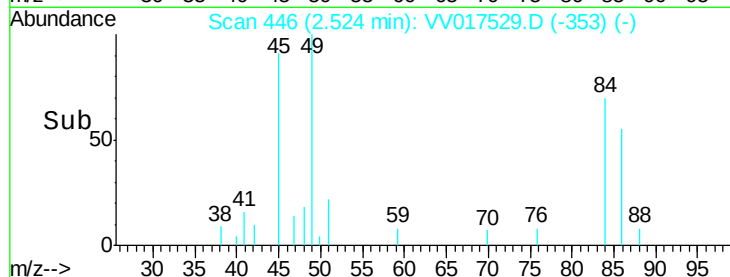
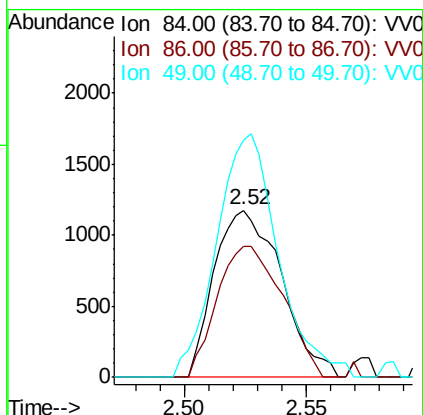
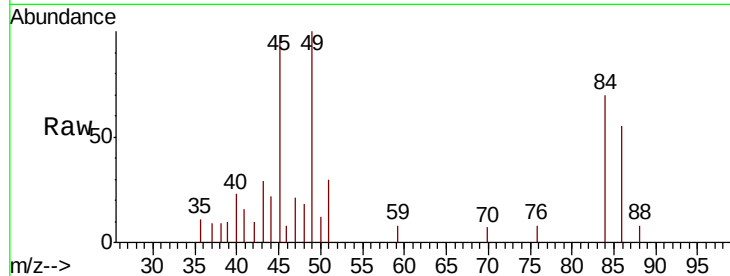




#16
Methylene chloride
Concen: 0.930 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017529.D
Acq: 17 Jul 2020 17:27

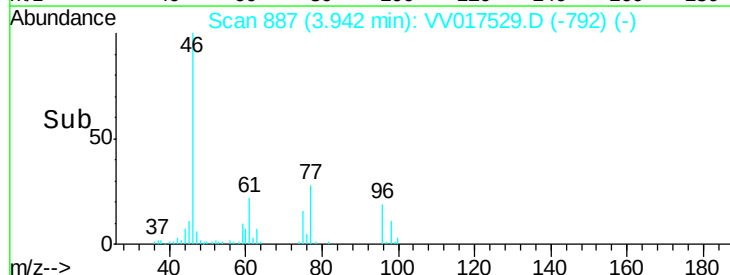
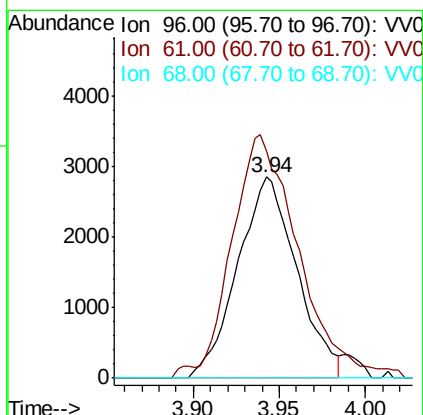
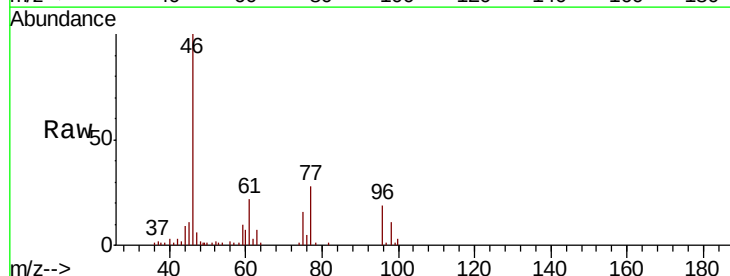
Instrument :
MSVOA_V
ClientSampled :
PMW-4

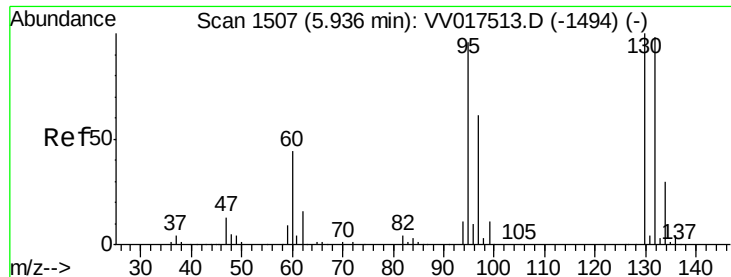
Tot Ion: 84 Resp: 2256
Ion Ratio Lower Upper
84 100
86 78.5 46.5 86.5
49 142.2 85.3 158.5



#20
cis-1,2-Dichloroethene
Concen: 2.801 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV017529.D
Acq: 17 Jul 2020 17:27

Tgt Ion: 96 Resp: 6797
Ion Ratio Lower Upper
96 100
61 112.7 88.9 165.1
68 0.0 0.0 0.0

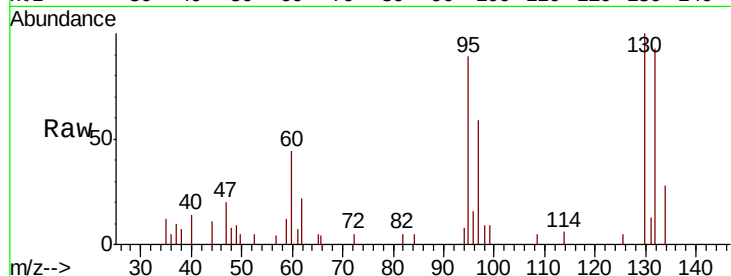




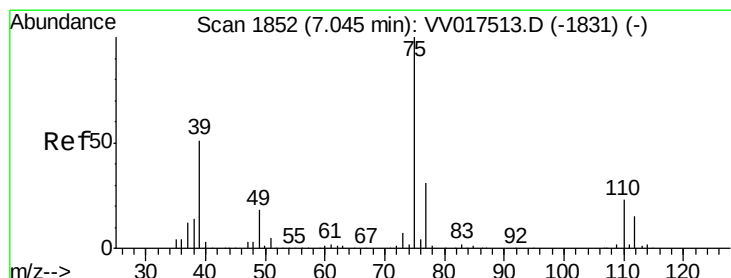
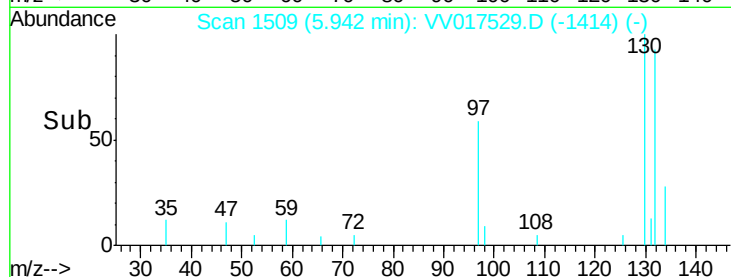
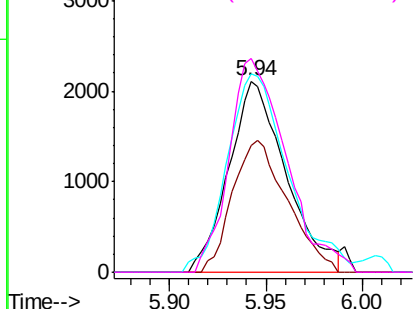
#34
 Trichloroethene
 Concen: 1.816 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.01 min
 Lab File: VV017529.D
 Acq: 17 Jul 2020 17:27

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-4

Tot Ion: 95 Resp: 4331
 Ion Ratio Lower Upper
 95 100
 97 66.4 45.6 84.6
 132 103.9 74.1 137.5
 130 111.9 75.5 140.3

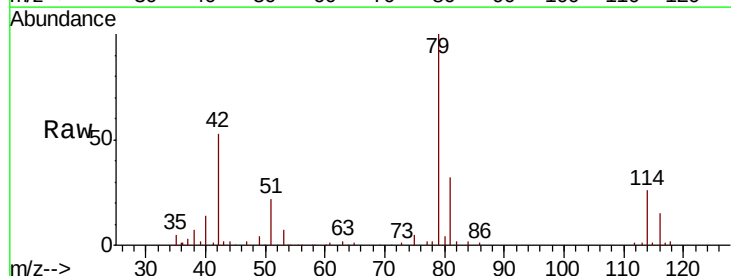


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

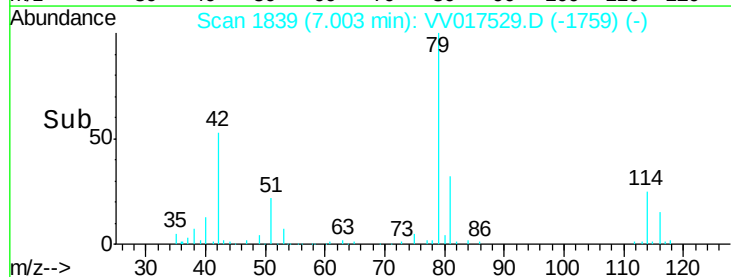
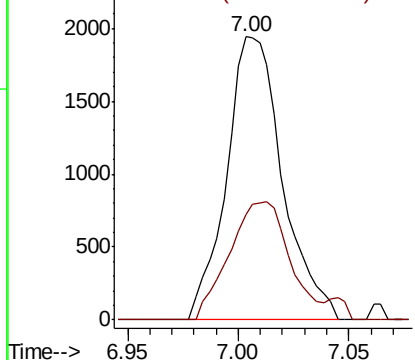


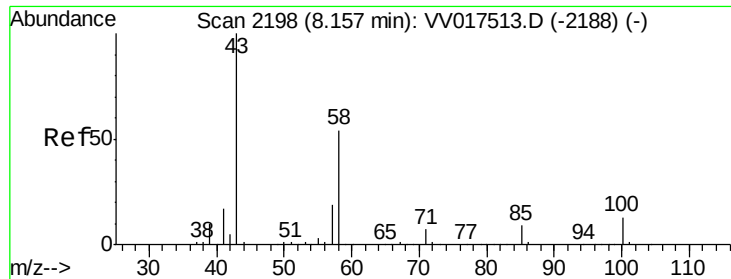
#39
 cis-1,3-Dichloropropene
 Concen: 1.026 ug/L
 RT: 7.00 min Scan# 1839
 Delta R.T. -0.04 min
 Lab File: VV017529.D
 Acq: 17 Jul 2020 17:27

Tgt Ion: 75 Resp: 3434
 Ion Ratio Lower Upper
 75 100
 77 37.5 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0

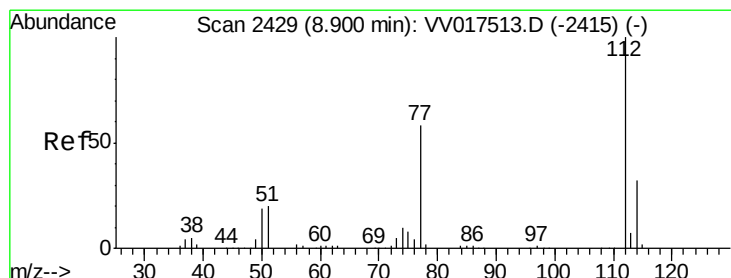
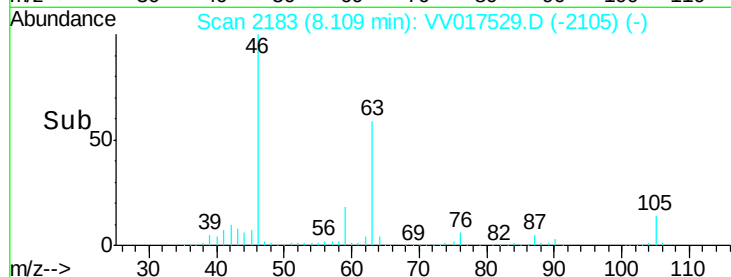
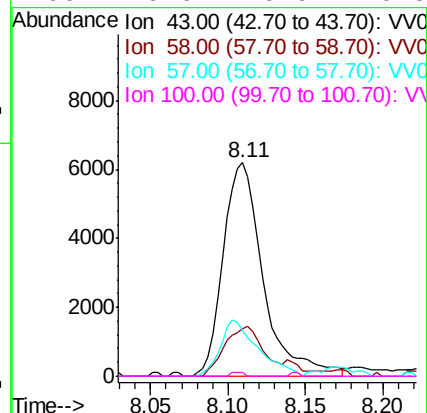
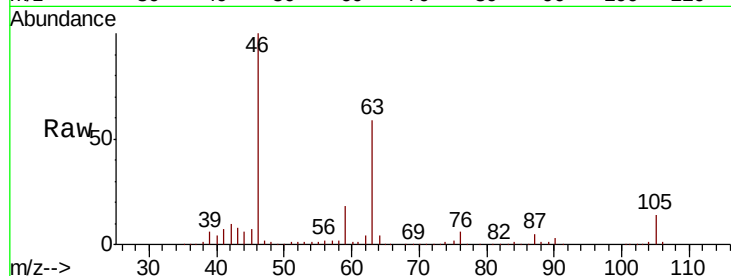




#48
2-Hexanone
Concen: 5.084 ug/L
RT: 8.11 min Scan# 2183
Delta R.T. -0.05 min
Lab File: VV017529.D
Acq: 17 Jul 2020 17:27

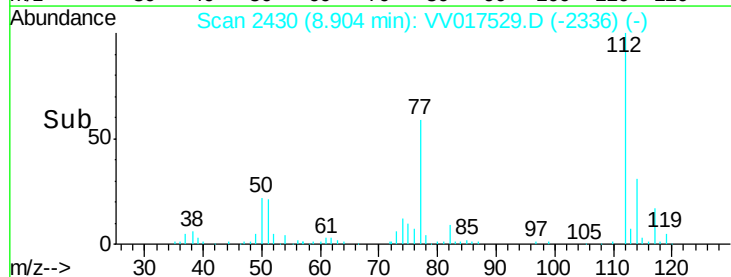
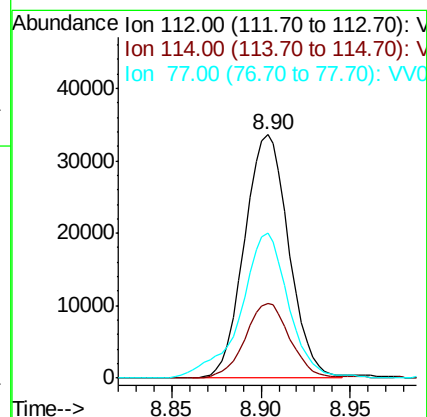
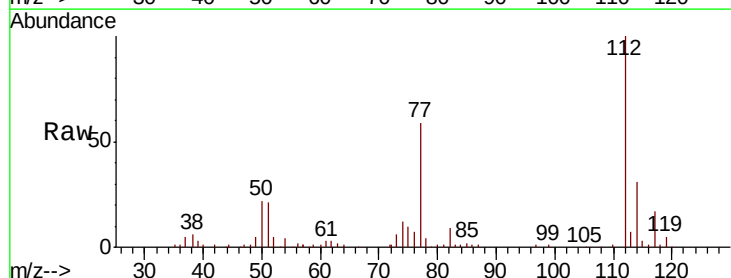
Instrument :
MSVOA_V
ClientSampleId :
PMW-4

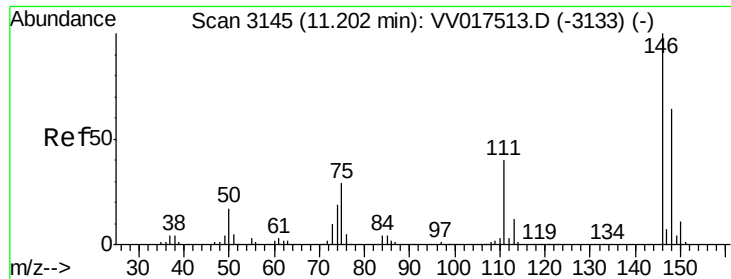
Tot Ion: 43 Resp: 11181
Ion Ratio Lower Upper
43 100
58 22.4 42.6 64.0#
57 24.5 16.2 24.4#
100 0.6 10.9 16.3#



#51
Chlorobenzene
Concen: 9.623 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017529.D
Acq: 17 Jul 2020 17:27

Tgt Ion: 112 Resp: 58550
Ion Ratio Lower Upper
112 100
114 30.8 22.7 42.1
77 59.4 46.7 70.1





#62

1,3-Dichlorobenzene

Concen: 9.793 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017529.D

Acq: 17 Jul 2020 17:27

Instrument :

MSVOA_V

ClientSampleId :

PMW-4

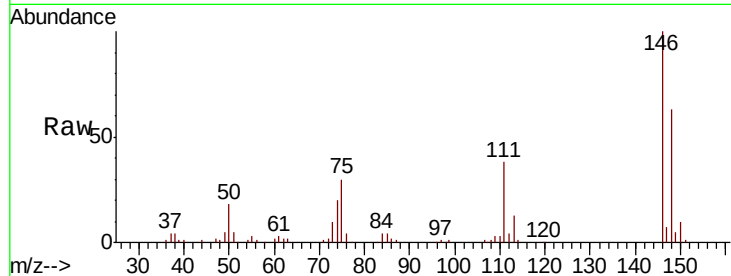
Tot Ion:146 Resp: 46930

Ion Ratio Lower Upper

146 100

111 38.2 27.2 50.6

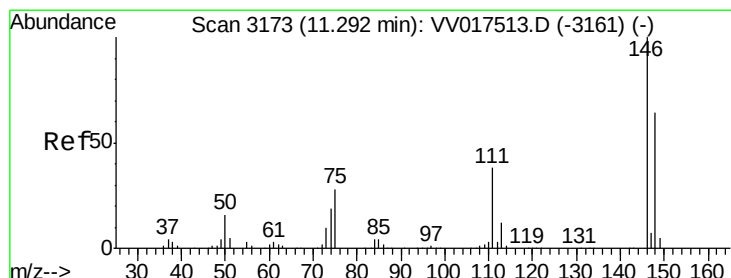
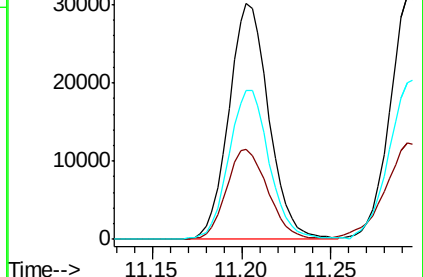
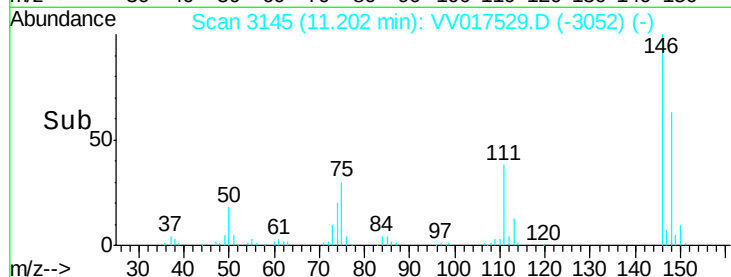
148 62.8 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.930 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017529.D

Acq: 17 Jul 2020 17:27

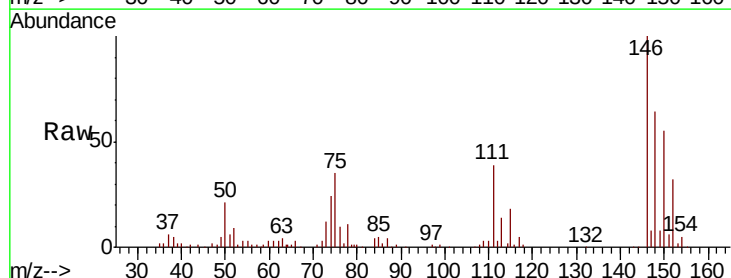
Tgt Ion:146 Resp: 48299

Ion Ratio Lower Upper

146 100

111 39.4 27.2 50.4

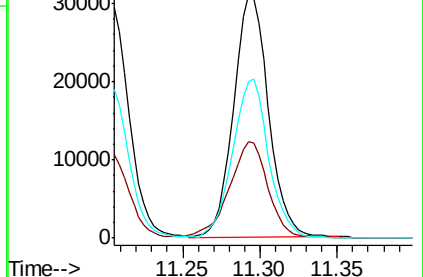
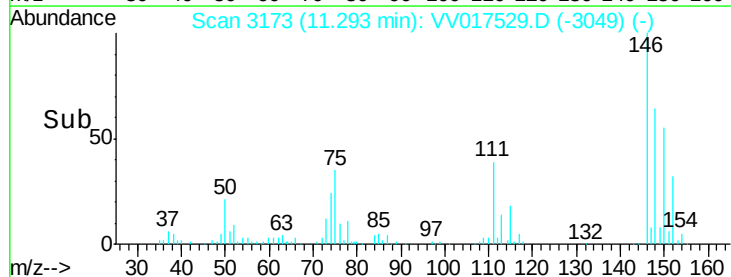
148 64.5 45.4 84.4

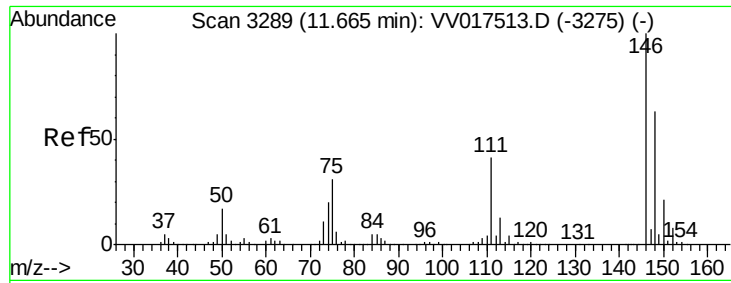


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.431 ug/L

RT: 11.66 min Scan# 3288

Delta R.T. -0.00 min

Lab File: VV017529.D

Acq: 17 Jul 2020 17:27

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ClientSampled :

PMW-4

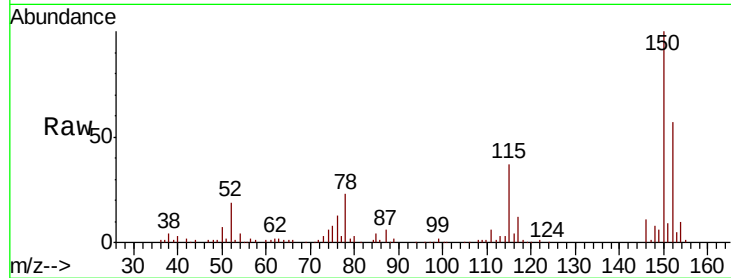
Tot Ion:146 Resp: 6837

Ion Ratio Lower Upper

146 100

111 54.8 33.5 50.3#

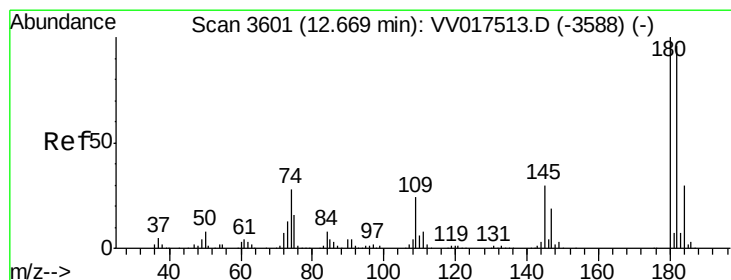
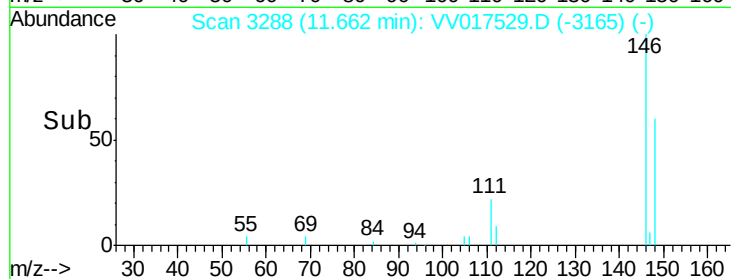
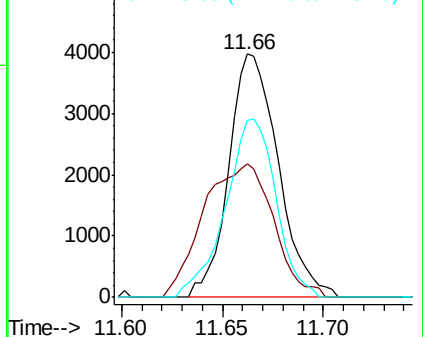
148 72.9 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#67

1,3,5-Trichlorobenzene

Concen: 0.435 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV017529.D

Acq: 17 Jul 2020 17:27

Tgt Ion:180 Resp: 1569

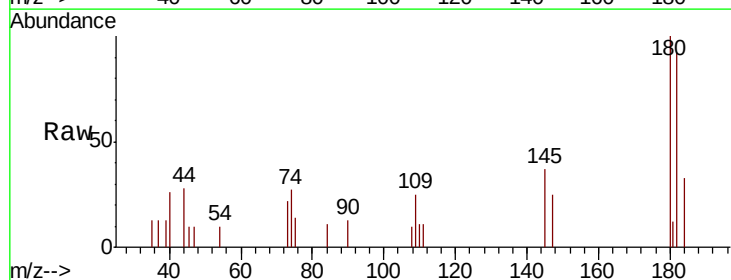
Ion Ratio Lower Upper

180 100

182 98.0 77.0 115.4

184 35.9 24.0 36.0

145 31.4 23.8 35.8

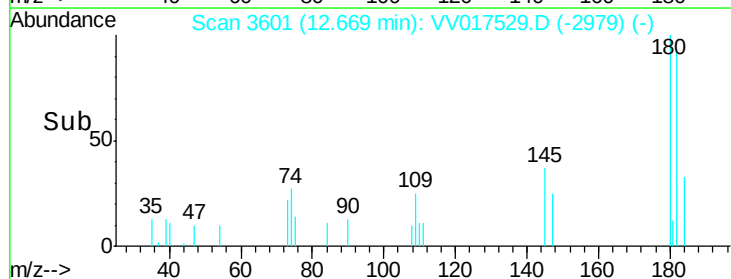
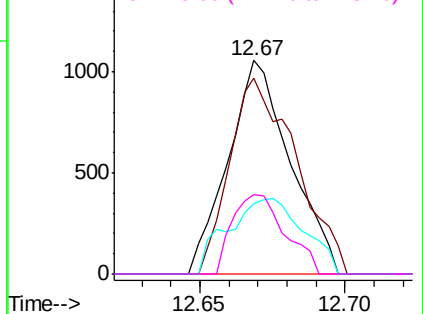


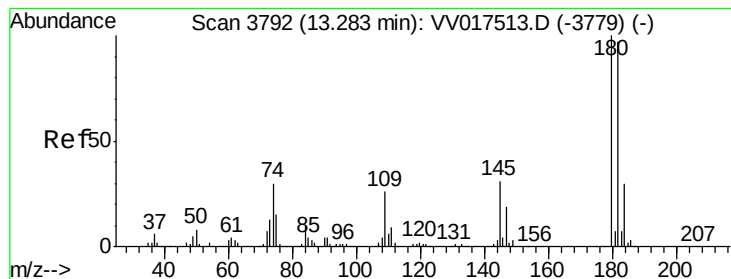
Abundance Ion 180.00 (179.70 to 180.70): V

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: 15.333 ug/L

RT: 13.28 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VV017529.D

Acq: 17 Jul 2020 17:27

Instrument :

MSVOA_V

ClientSampleId :

PMW-4

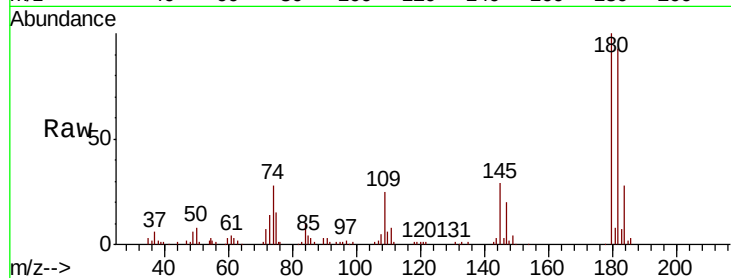
Tot Ion:180 Resp: 48537

Ion Ratio Lower Upper

180 100

182 96.4 76.0 114.0

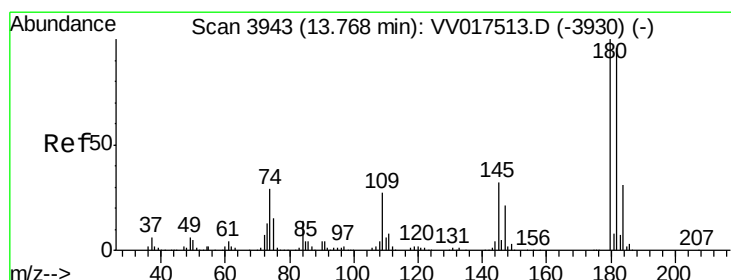
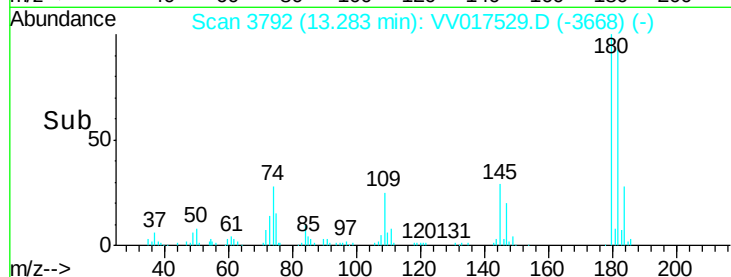
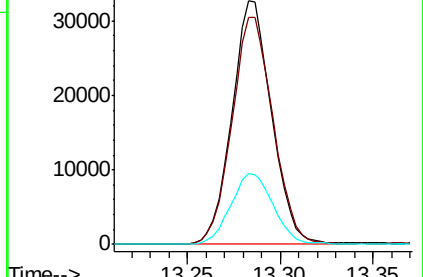
145 31.1 24.6 36.8



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: 1.503 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017529.D

Acq: 17 Jul 2020 17:27

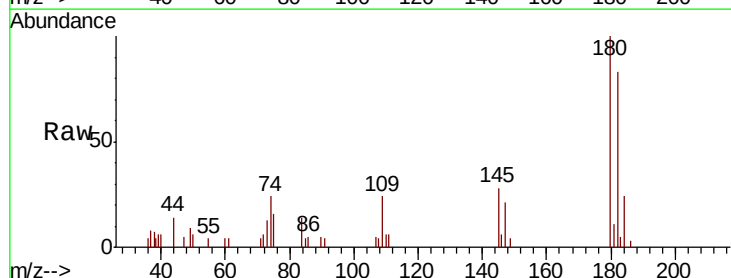
Tgt Ion:180 Resp: 4840

Ion Ratio Lower Upper

180 100

182 86.8 76.3 114.5

145 26.8 26.5 39.7



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

