

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071720\
 Data File : VV0717533.D
 Acq On : 17 Jul 2020 19:00
 Operator : SY/MD
 Sample : L3336-10
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7D

Quant Time: Jul 18 05:11:36 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	332231	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	309366	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	140791	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78947	45.65	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.30%
7) Chloroethane-d5	1.63	69	185	0.15	ug/L	0.05
Spiked Amount	50.000	Range	70 - 130	Recovery	=	0.30%#
11) 1,1-Dichloroethene-d2	2.12	63	137269	35.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.10%
21) 2-Butanone-d5	3.91	46	103345	87.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.48%
24) Chloroform-d	4.38	84	156348	39.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	78.16%
26) 1,2-Dichloroethane-d4	5.06	65	114781	41.80	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.60%
32) Benzene-d6	5.07	84	275455	41.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.44%
36) 1,2-Dichloropropane-d6	6.09	67	92710	48.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.36%
41) Toluene-d8	7.34	98	278205	43.30	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.60%
43) trans-1,3-Dichloropropene-	7.64	79	51347	45.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.68%
47) 2-Hexanone-d5	8.11	63	91227	115.51	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	115.51%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	129401	47.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.78%
64) 1,2-Dichlorobenzene-d4	11.65	152	123913	52.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.28%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	4307	1.696	ug/L #	79
13) Acetone	2.19	43	3944	2.453	ug/L	90
18) Methyl tert-butyl Ether	2.79	73	17291	2.388	ug/L	95
19) 1,1-Dichloroethane	3.22	63	20161	5.053	ug/L	97
20) cis-1,2-Dichloroethene	3.94	96	5607	2.412	ug/L	97
27) 1,2-Dichloroethane	5.16	62	12717	3.230	ug/L	97
33) Benzene	5.13	78	7483	0.915	ug/L	100
34) Trichloroethene	5.94	95	2154	0.887	ug/L	87
42) Toluene	7.41	91	17484	1.913	ug/L	99
46) Tetrachloroethene	8.00	164	5763	2.827	ug/L	96
49) Dibromochloromethane	8.00	129	5091	1.880	ug/L #	10
59) 1,2,3-Trichloropropane	11.27	75	16707	6.028	ug/L	90
63) 1,4-Dichlorobenzene	11.30	146	5466	1.226	ug/L	97
67) 1,3,5-Trichlorobenzene	13.29	180	34039	10.286	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	34039	11.730	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	7441	2.521	ug/L	98

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Quant Time: Jul 18 05:11:36 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

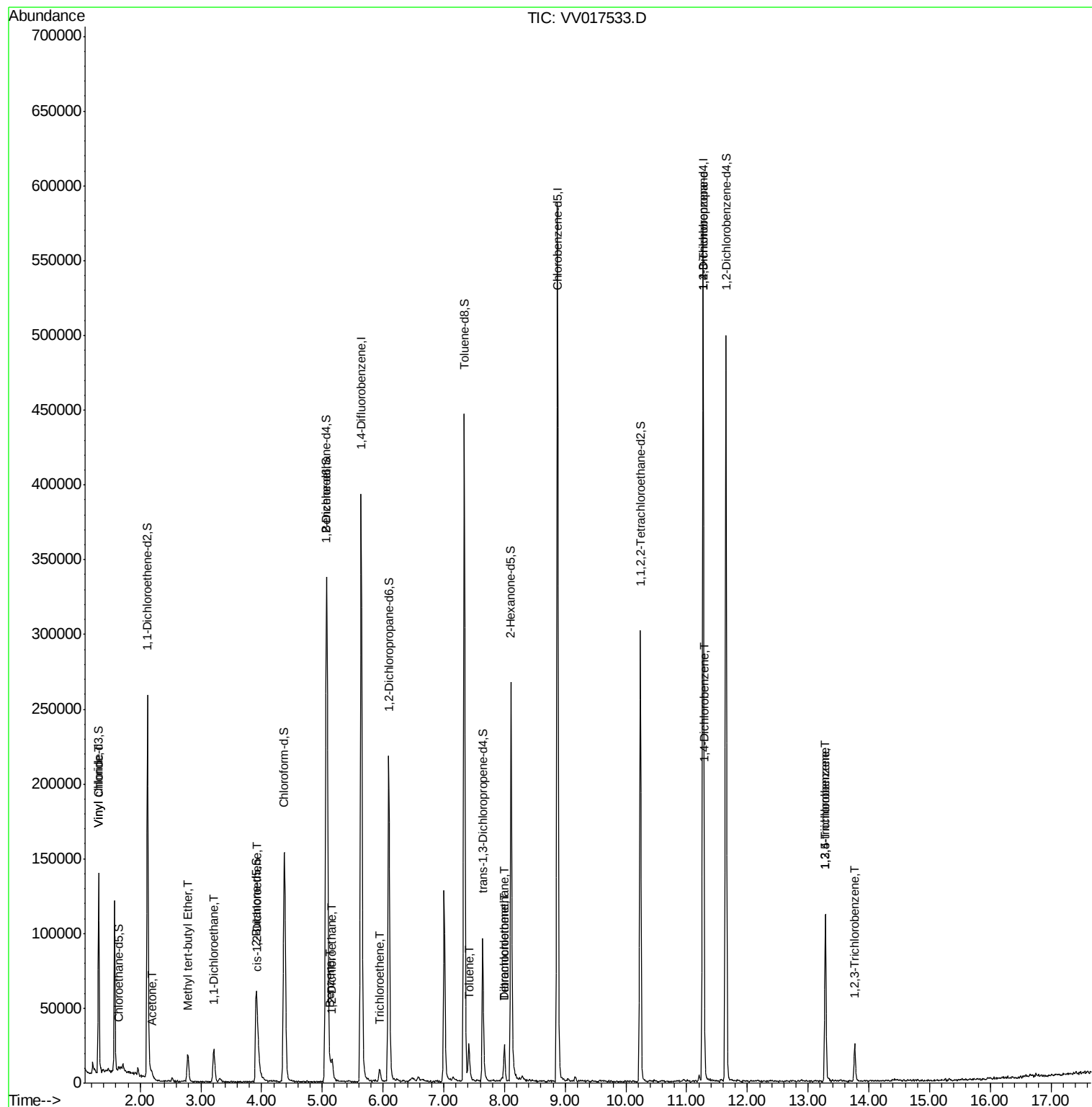
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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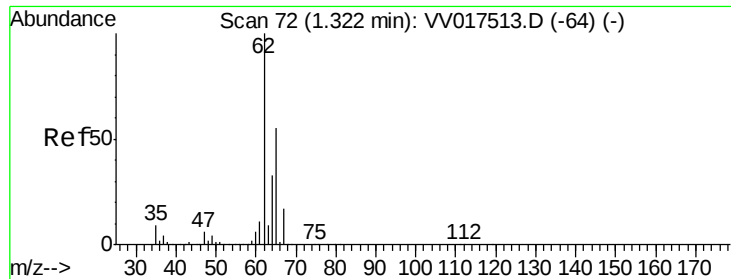
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV071720\
Data File : VV017533.D
Acq On : 17 Jul 2020 19:00
Operator : SY/MD
Sample : L3336-10
Misc : 5.0mL/MSVOA V/WATER
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Quant Time: Jul 18 05:11:36 2020
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





#5

Vinyl chloride

Concen: 1.696 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017533.D

Acq: 17 Jul 2020 19:00

Instrument :

MSVOA_V

ClientSampleId :

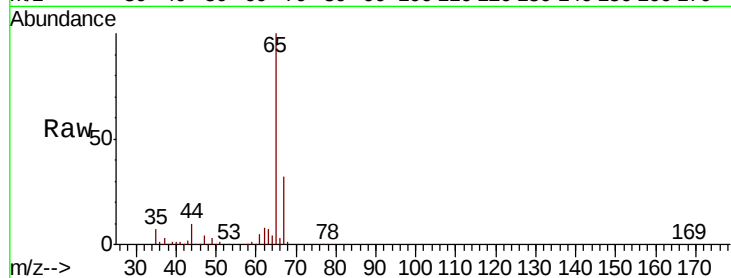
PMW-7D

Tot Ion: 62 Resp: 4307

Ion Ratio Lower Upper

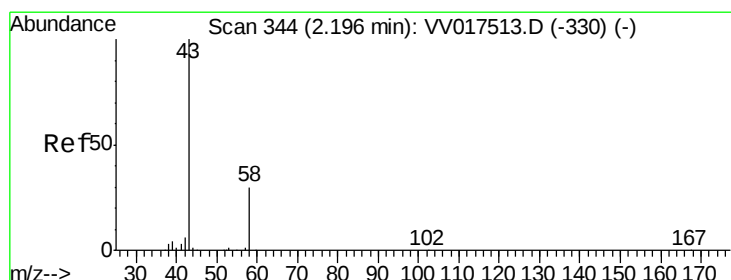
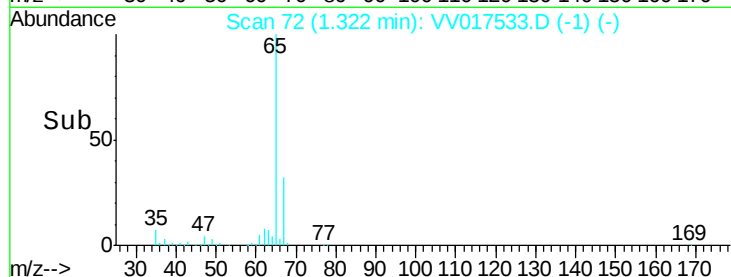
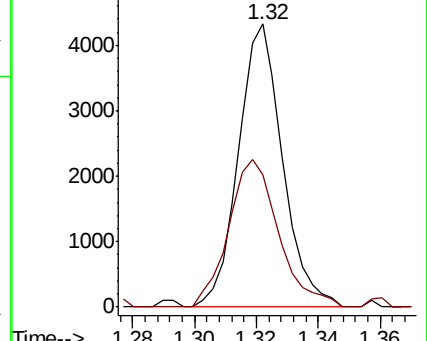
62 100

64 46.6 24.1 44.7#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#13

Acetone

Concen: 2.453 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV017533.D

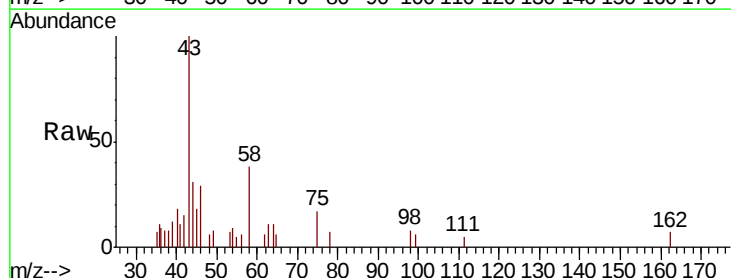
Acq: 17 Jul 2020 19:00

Tgt Ion: 43 Resp: 3944

Ion Ratio Lower Upper

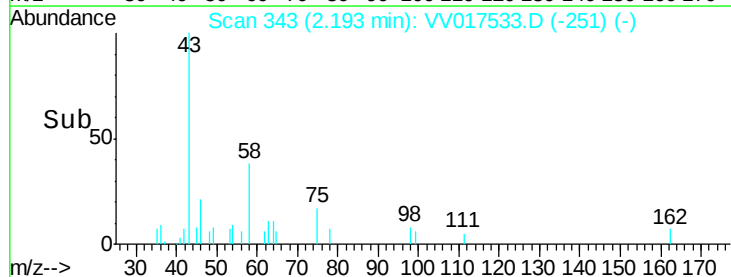
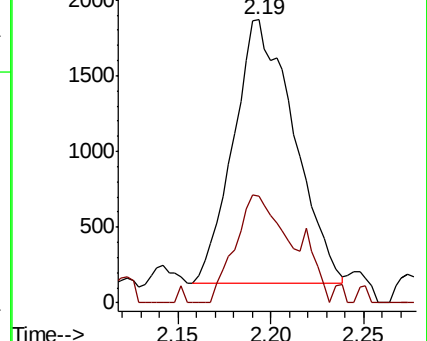
43 100

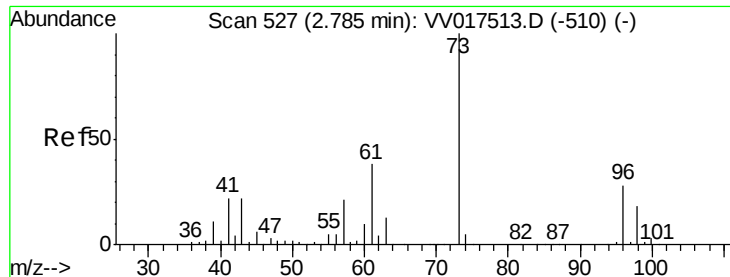
58 33.5 0.0 56.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

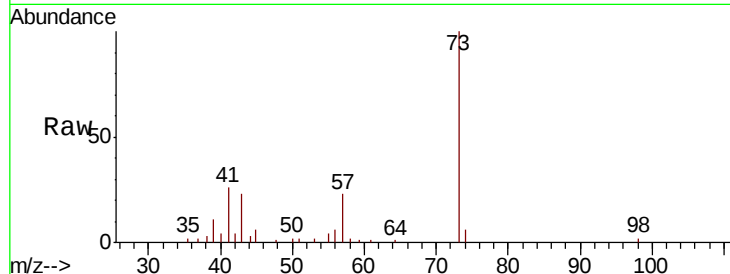




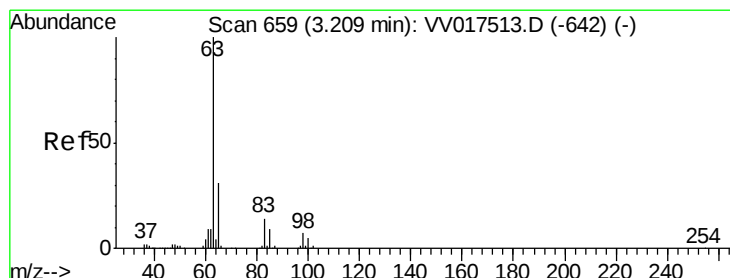
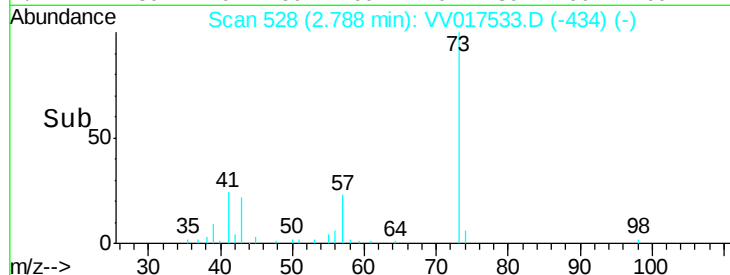
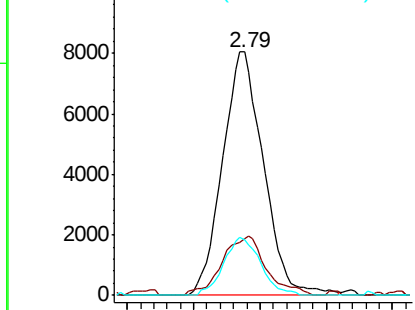
#18
Methvl tert-butvl Ether
Concen: 2.388 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV017533.D
Acq: 17 Jul 2020 19:00

Instrument :
MSVOA_V
ClientSampleId :
PMW-7D

Tot Ion: 73 Resp: 17291
Ion Ratio Lower Upper
73 100
43 26.1 18.2 27.2
57 21.4 16.2 24.4

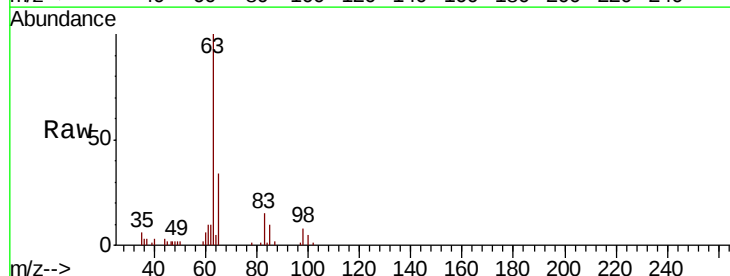


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

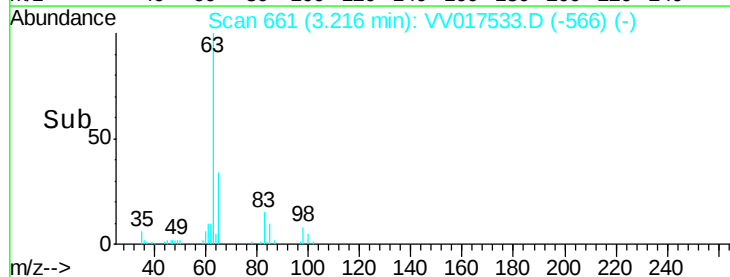
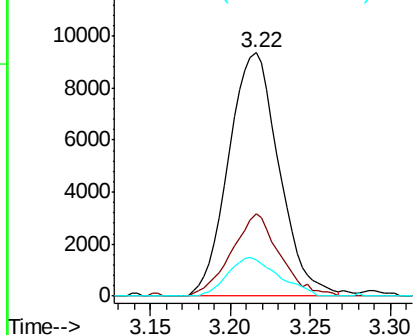


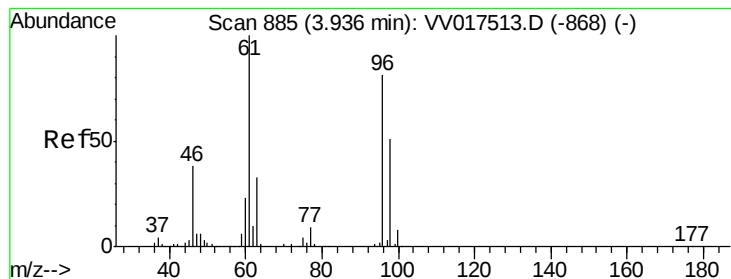
#19
1,1-Dichloroethane
Concen: 5.053 ug/L
RT: 3.22 min Scan# 661
Delta R.T. 0.01 min
Lab File: VV017533.D
Acq: 17 Jul 2020 19:00

Tgt Ion: 63 Resp: 20161
Ion Ratio Lower Upper
63 100
65 33.9 22.1 41.1
83 15.0 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



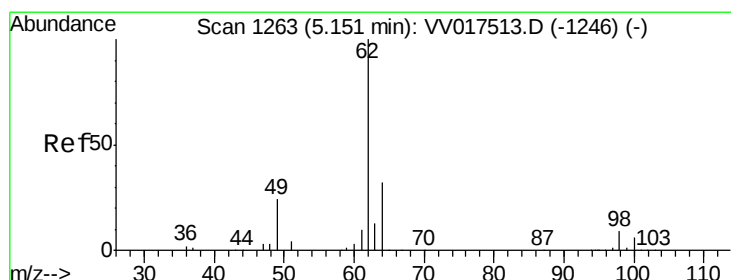
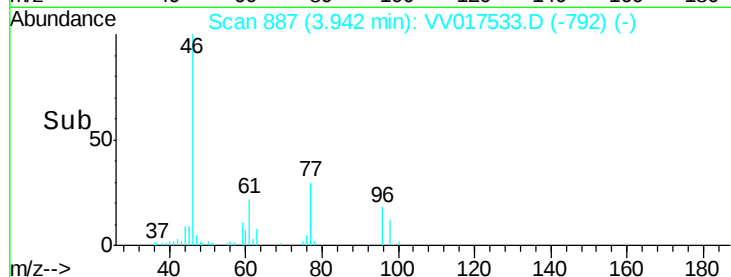
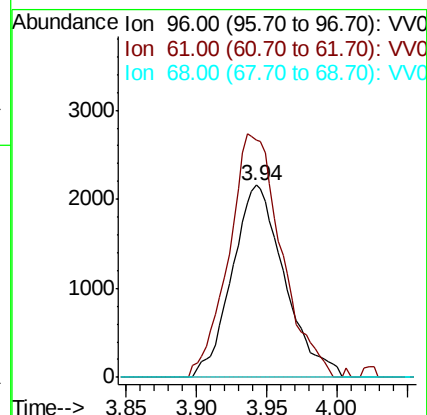
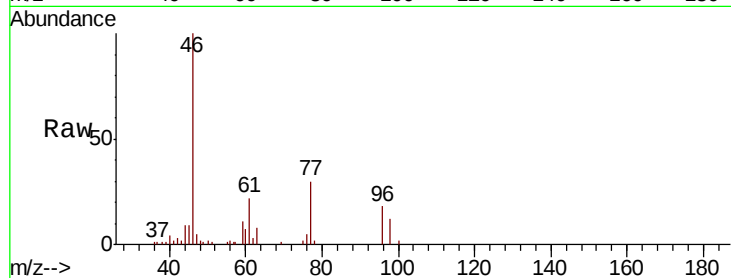


#20

cis-1,2-Dichloroethene
 Concen: 2.412 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV017533.D
 Acq: 17 Jul 2020 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7D

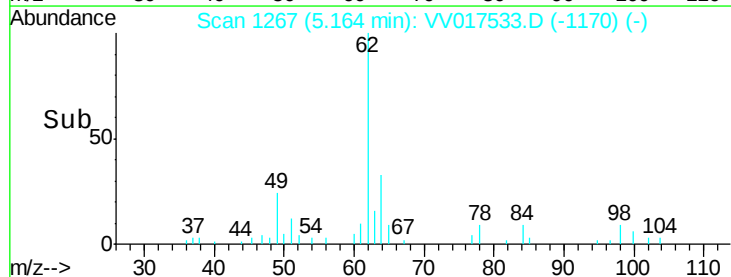
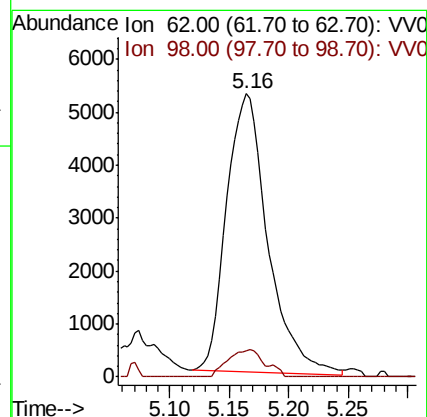
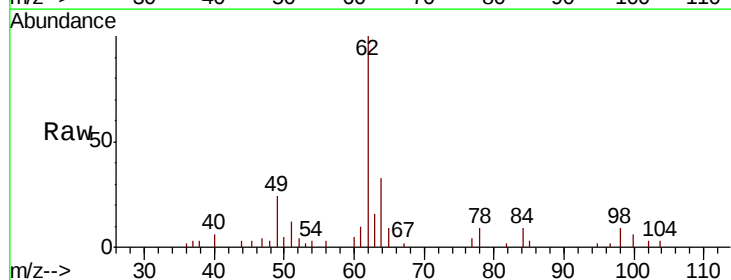
Tot Ion	Ratio	Lower	Upper
96	100		
61	123.2	88.9	165.1
68	0.0	0.0	0.0

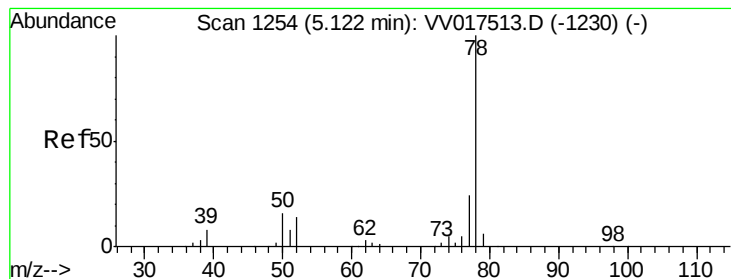


#27

1,2-Dichloroethane
 Concen: 3.230 ug/L
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.01 min
 Lab File: VV017533.D
 Acq: 17 Jul 2020 19:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.0	6.4	9.6





#33

Benzene

Concen: 0.915 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV017533.D

Acq: 17 Jul 2020 19:00

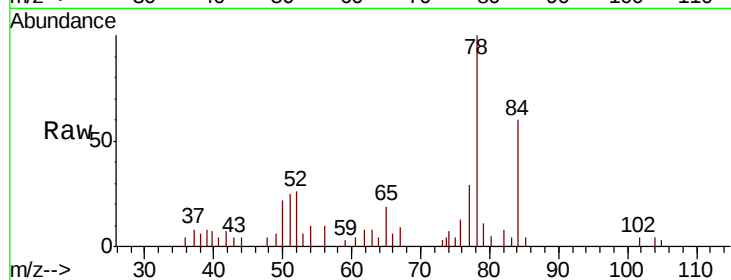
Instrument :

MSVOA_V

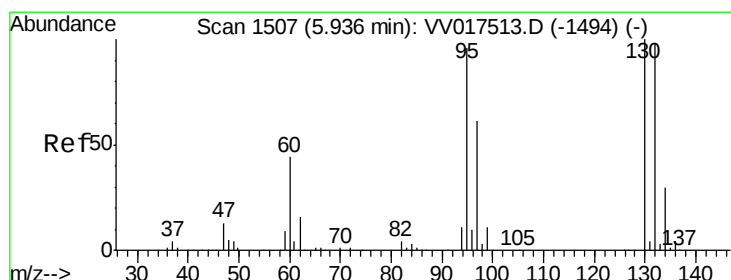
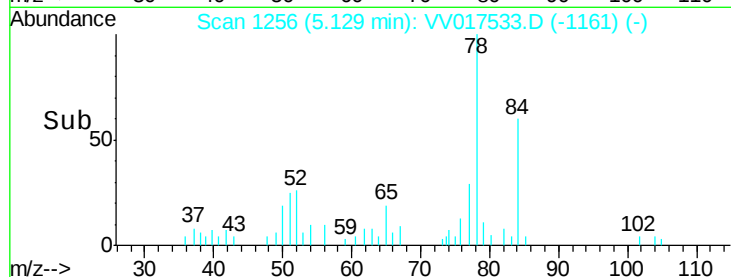
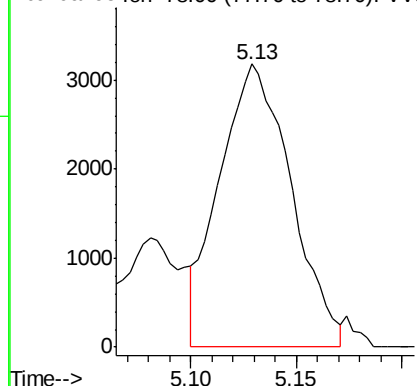
ClientSampleId :

PMW-7D

Tgt Ion: 78 Resp: 7483



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 0.887 ug/L

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017533.D

Acq: 17 Jul 2020 19:00

Tgt Ion: 95 Resp: 2154

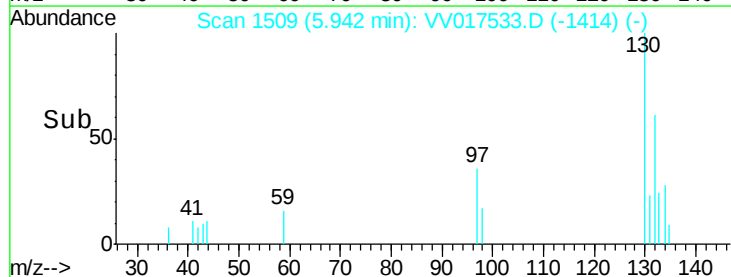
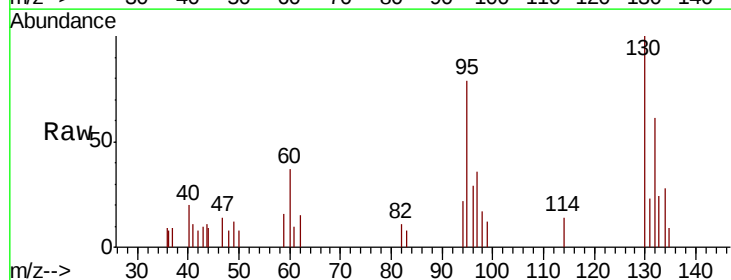
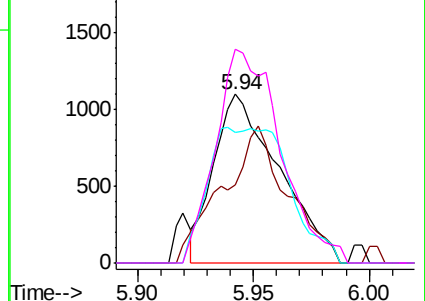
Ion	Ratio	Lower	Upper
95	100		
97	46.1	45.6	84.6
132	107.5	74.1	137.5
130	126.9	75.5	140.3

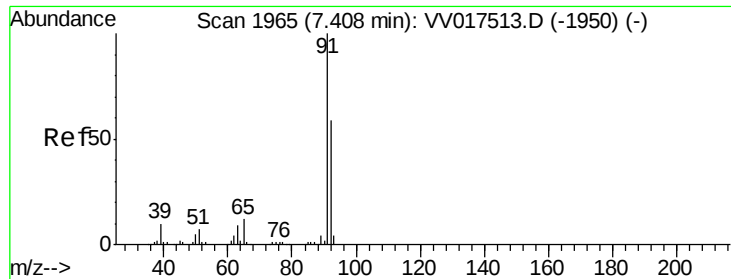
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#42

Toluene

Concen: 1.913 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017533.D

Acq: 17 Jul 2020 19:00

Instrument :

MSVOA_V

ClientSampleId :

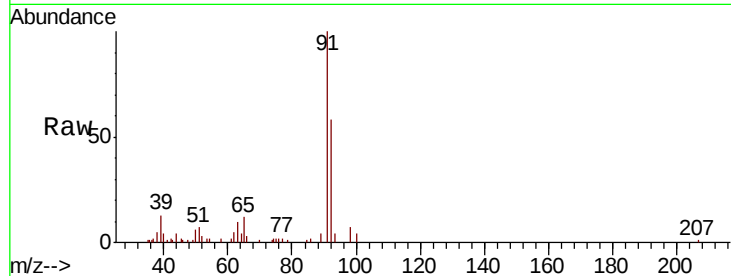
PMW-7D

Tot Ion: 91 Resp: 17484

Ion Ratio Lower Upper

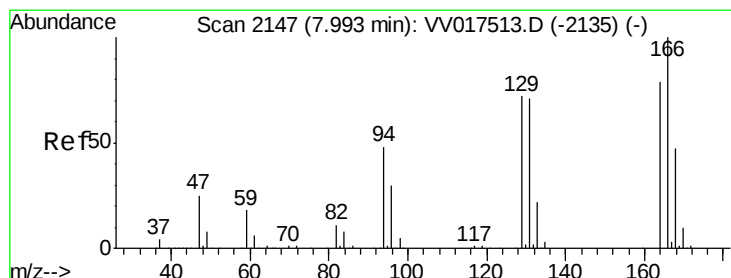
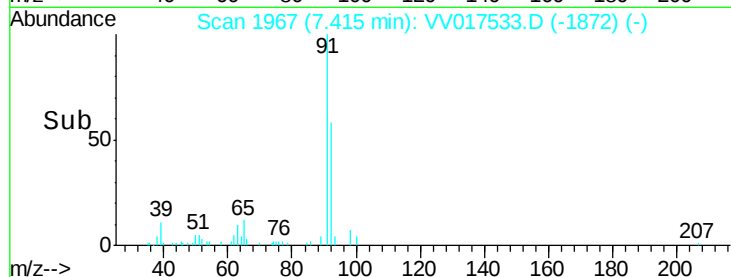
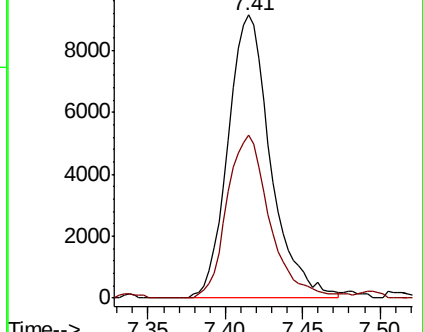
91 100

92 57.6 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VV017533.D (-1950) (-)

Ion 92.00 (91.70 to 92.70): VV017533.D (-1950) (-)



#46

Tetrachloroethene

Concen: 2.827 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017533.D

Acq: 17 Jul 2020 19:00

Tgt Ion: 164 Resp: 5763

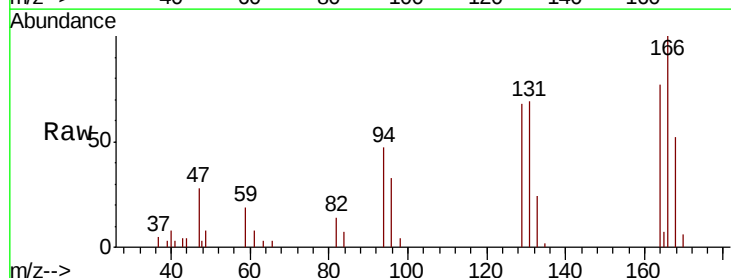
Ion Ratio Lower Upper

164 100

129 89.1 66.6 123.8

131 90.5 65.5 121.7

166 130.4 93.9 174.5

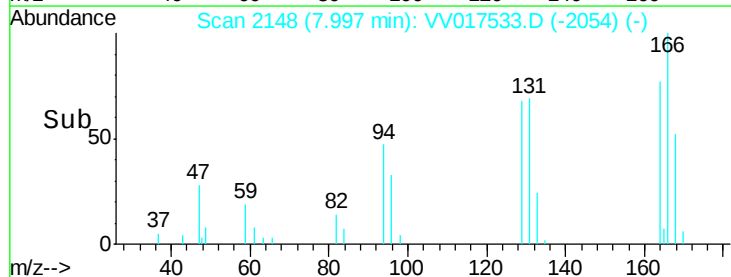
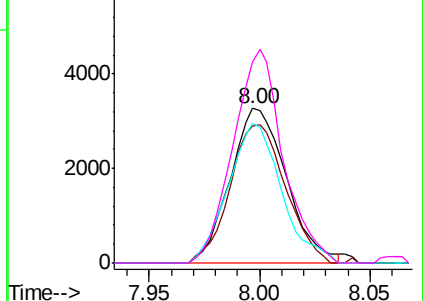


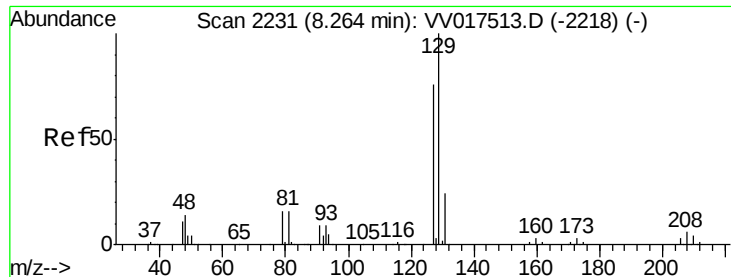
Abundance Ion 164.00 (163.70 to 164.70): VV017533.D (-2054) (-)

Ion 129.00 (128.70 to 129.70): VV017533.D (-2054) (-)

Ion 131.00 (130.70 to 131.70): VV017533.D (-2054) (-)

Ion 166.00 (165.70 to 166.70): VV017533.D (-2054) (-)





#49

Dibromochloromethane

Concen: 1.880 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. -0.26 min

Lab File: VV017533.D

Acq: 17 Jul 2020 19:00

Instrument :

MSVOA_V

ClientSampleId :

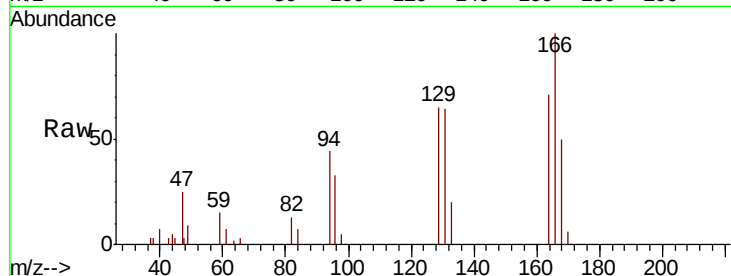
PMW-7D

Tot Ion:129 Resp: 5091

Ion Ratio Lower Upper

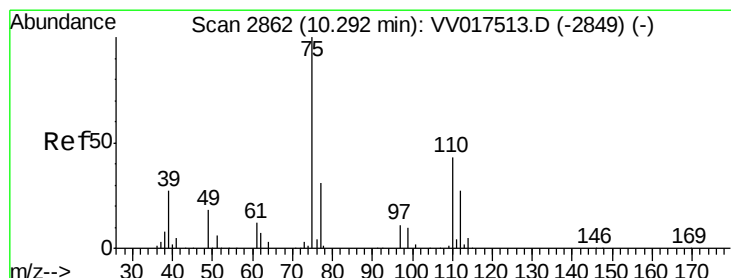
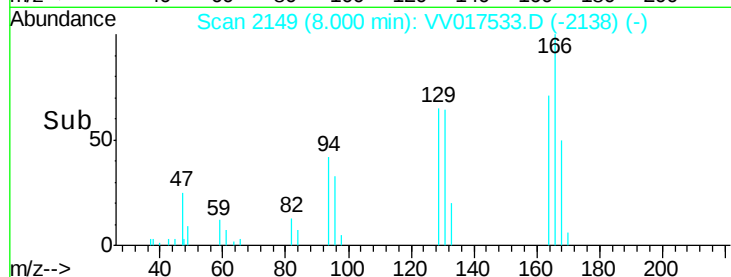
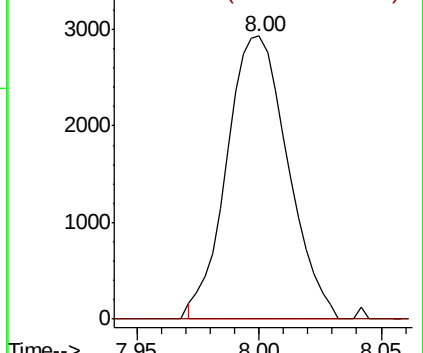
129 100

127 0.0 54.6 101.4#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 6.028 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV017533.D

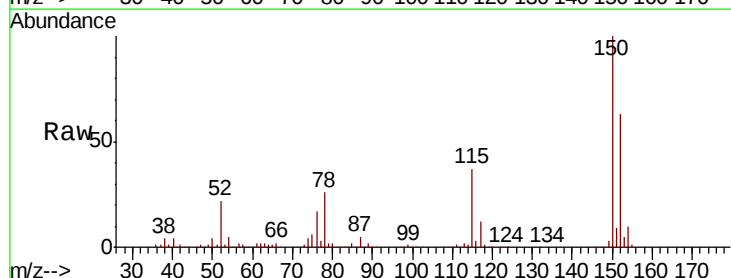
Acq: 17 Jul 2020 19:00

Tgt Ion: 75 Resp: 16707

Ion Ratio Lower Upper

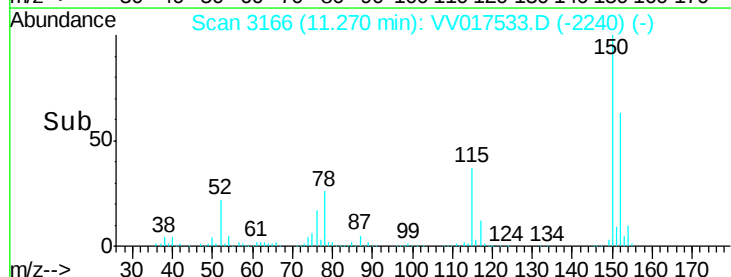
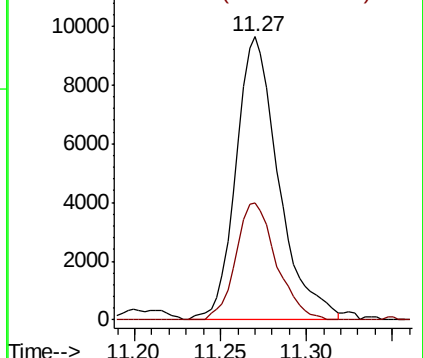
75 100

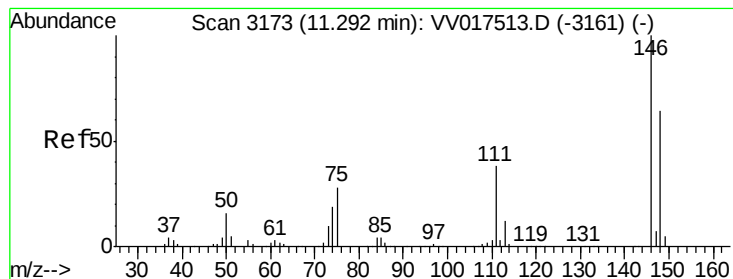
77 38.9 26.5 39.7



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#63

1,4-Dichlorobenzene

Concen: 1.226 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV017533.D

Acq: 17 Jul 2020 19:00

Instrument :

MSVOA_V

ClientSampleId :

PMW-7D

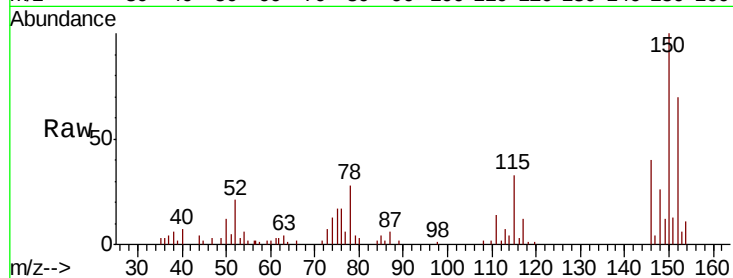
Tot Ion:146 Resp: 5466

Ion Ratio Lower Upper

146 100

111 34.0 27.2 50.4

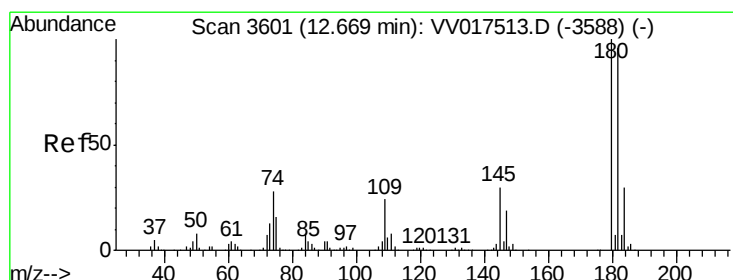
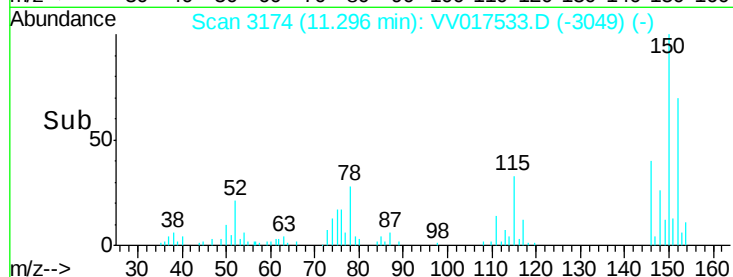
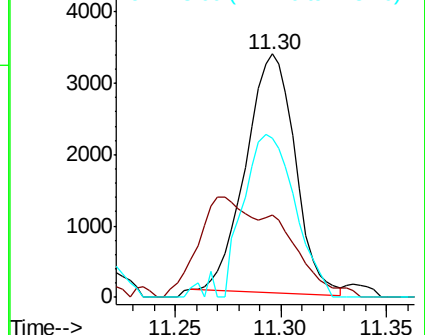
148 65.2 45.4 84.4



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



#67

1,3,5-Trichlorobenzene

Concen: 10.286 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. 0.62 min

Lab File: VV017533.D

Acq: 17 Jul 2020 19:00

Tgt Ion:180 Resp: 34039

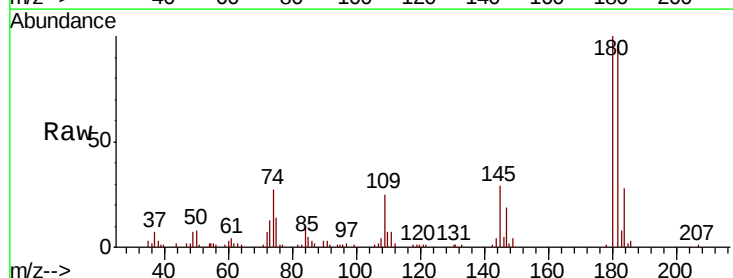
Ion Ratio Lower Upper

180 100

182 96.2 77.0 115.4

184 31.3 24.0 36.0

145 30.5 23.8 35.8

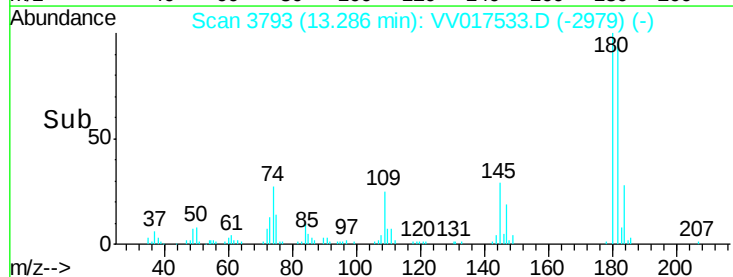
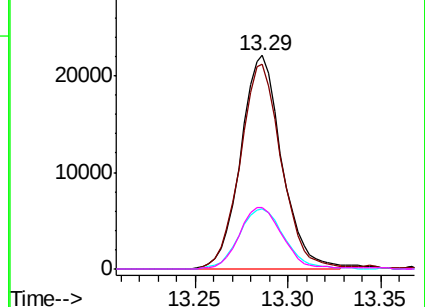


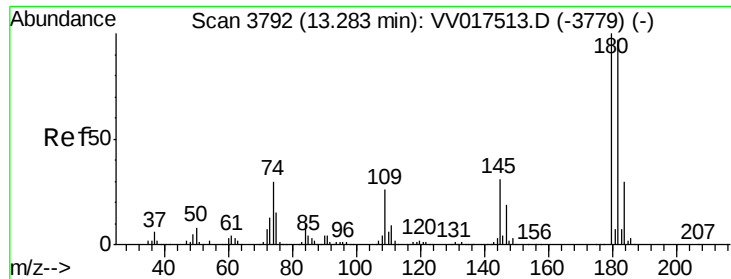
Abundance Ion 180.00 (179.70 to 180.70): V

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

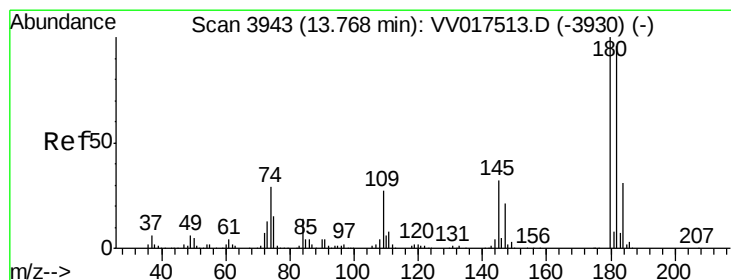
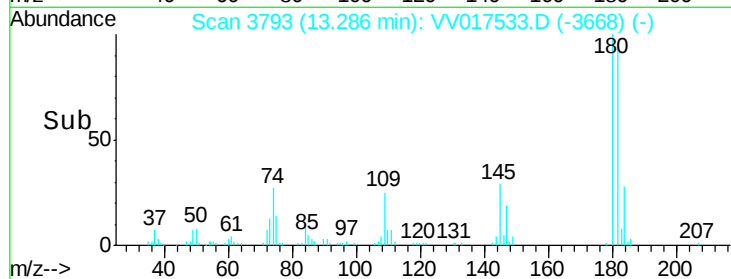
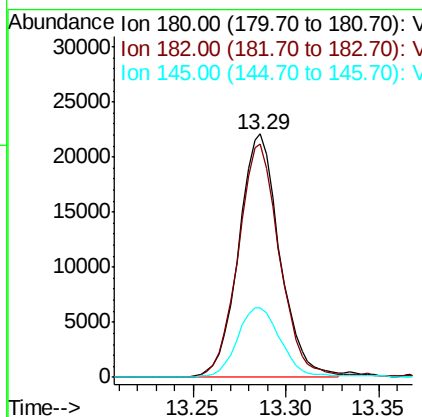
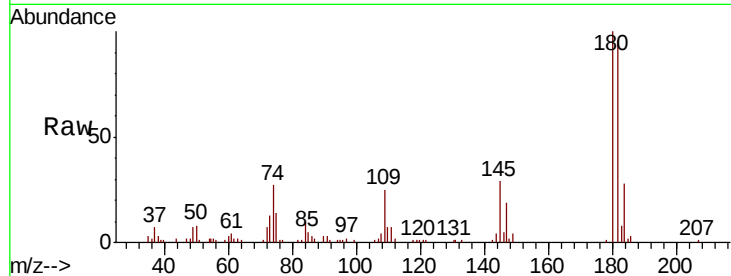




#68
 1,2,4-trichlorobenzene
 Concen: 11.730 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017533.D
 Acq: 17 Jul 2020 19:00

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-7D

Tot Ion:180 Resp: 34039
 Ion Ratio Lower Upper
 180 100
 182 96.2 76.0 114.0
 145 30.5 24.6 36.8



#70
 1,2,3-Trichlorobenzene
 Concen: 2.521 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV017533.D
 Acq: 17 Jul 2020 19:00

Tgt Ion:180 Resp: 7441
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.3 114.5
 145 35.5 26.5 39.7

