

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072120\
 Data File : VV017572.D
 Acq On : 21 Jul 2020 18:32
 Operator : SY/MD
 Sample : L3336-13DK 20X
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9SDL

Quant Time: Jul 22 03:28:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 22 03:23:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	319901	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	306086	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	162379	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	64435	33.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.02%
7) Chloroethane-d5	1.58	69	47537	35.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	70.86%
11) 1,1-Dichloroethene-d2	2.12	63	110130	28.03	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	56.06%#
21) 2-Butanone-d5	3.91	46	130165	87.17	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.17%
24) Chloroform-d	4.37	84	177755	39.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.28%
26) 1,2-Dichloroethane-d4	5.06	65	128573	41.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.70%
32) Benzene-d6	5.07	84	332057	40.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.26%
36) 1,2-Dichloropropane-d6	6.09	67	103141	42.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	84.08%
41) Toluene-d8	7.34	98	304916	39.52	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.04%#
43) trans-1,3-Dichloropropene-	7.64	79	52296	36.82	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	73.64%
47) 2-Hexanone-d5	8.11	63	97291	86.49	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	86.49%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	147627	42.29	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	84.58%
64) 1,2-Dichlorobenzene-d4	11.65	152	138943	41.26	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.52%

Target Compounds

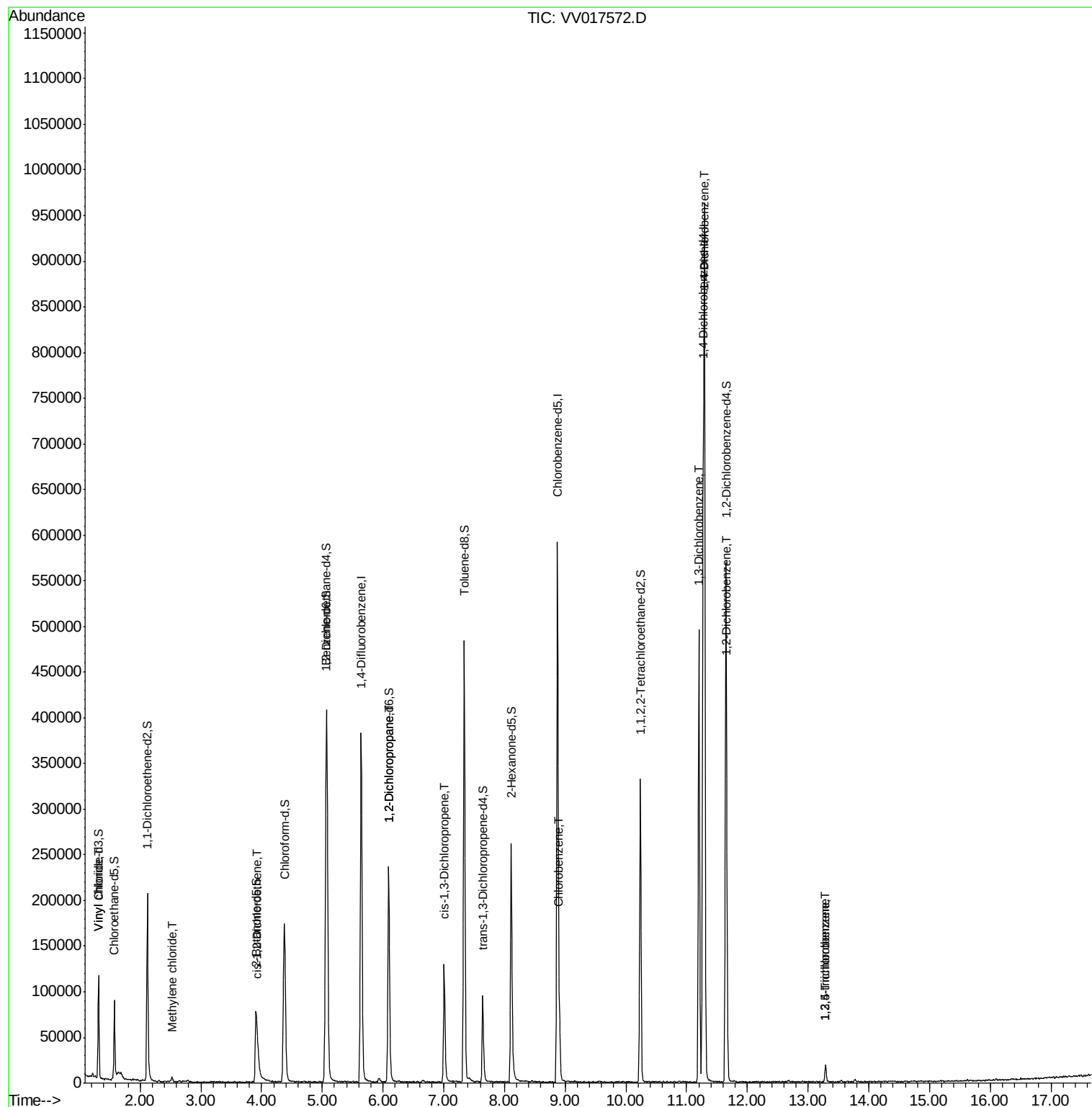
					Ovalue
5) Vinyl chloride	1.32	62	4502	1.870 ug/L #	73
16) Methylene chloride	2.52	84	1685	0.698 ug/L	85
20) cis-1,2-Dichloroethene	3.93	96	1602	0.653 ug/L	94
37) 1,2-Dichloropropane	6.09	63	13111	5.697 ug/L #	85
39) cis-1,3-Dichloropropene	7.01	75	3355	0.870 ug/L #	76
51) Chlorobenzene	8.90	112	38988	5.942 ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	193000	35.399 ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	349605	62.823 ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	31950	5.780 ug/L	98
67) 1,3,5-Trichlorobenzene	13.29	180	6042	1.404 ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	6042	1.583 ug/L	99

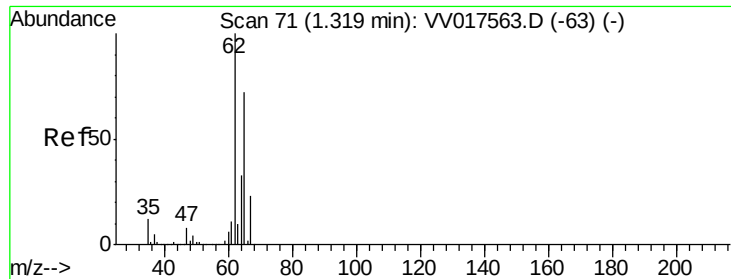
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Wed Jul 22 03:23:09 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 1.870 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017572.D

Acq: 21 Jul 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

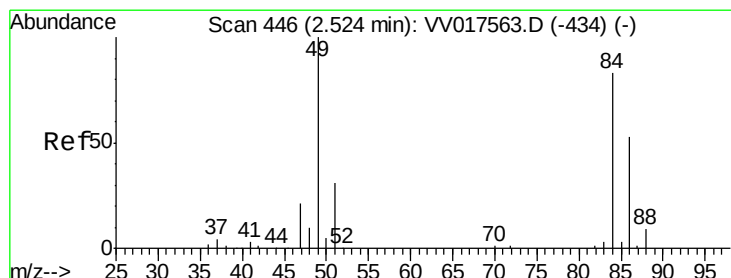
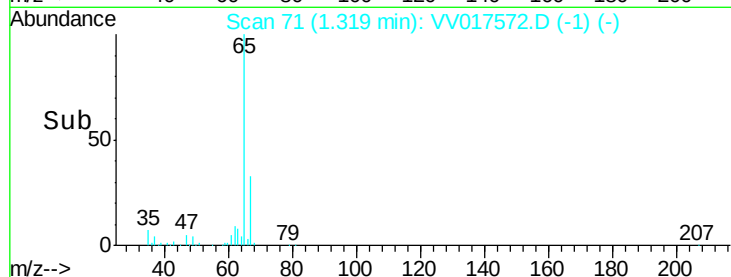
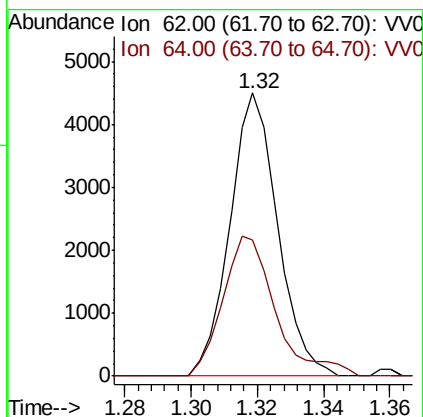
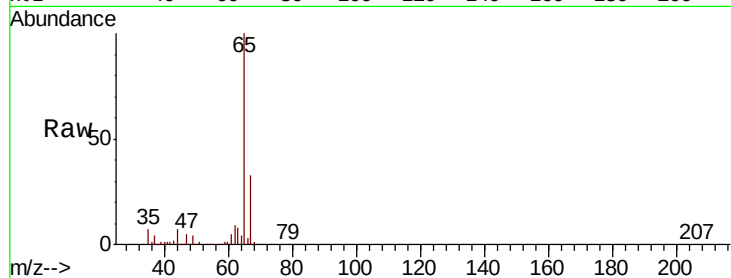
PMW-9SDL

Tot Ion: 62 Resp: 4502

Ion Ratio Lower Upper

62 100

64 48.0 22.8 42.4#



#16

Methylene chloride

Concen: 0.698 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017572.D

Acq: 21 Jul 2020 18:32

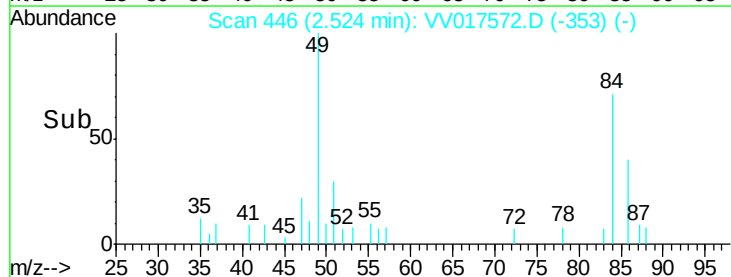
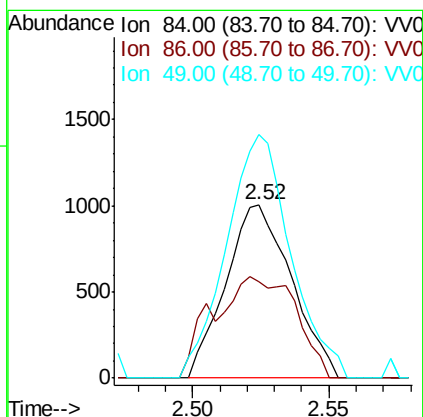
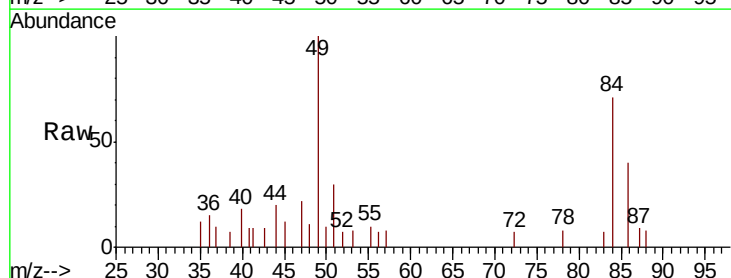
Tgt Ion: 84 Resp: 1685

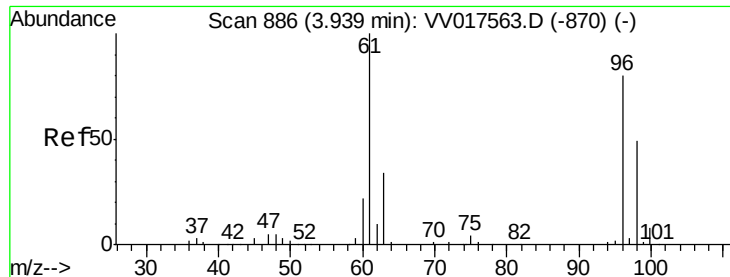
Ion Ratio Lower Upper

84 100

86 55.9 44.5 82.7

49 140.3 84.4 156.8

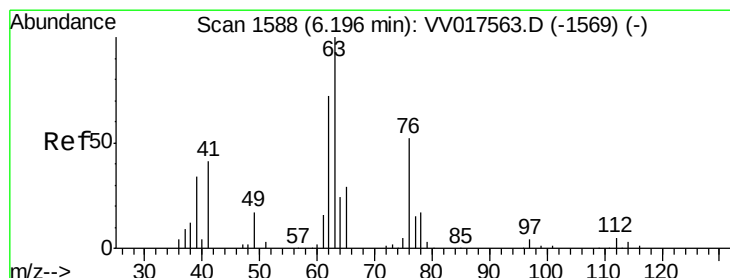
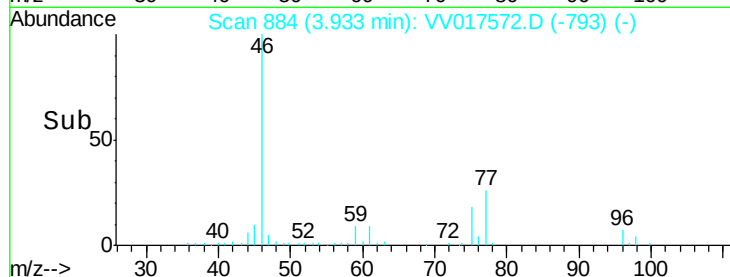
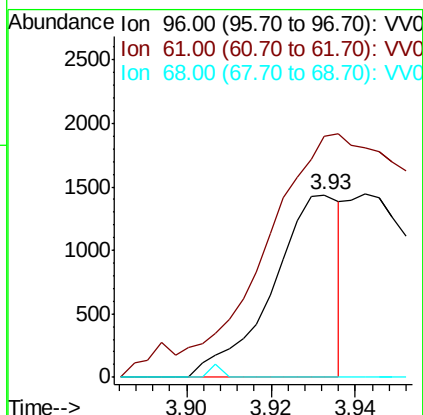
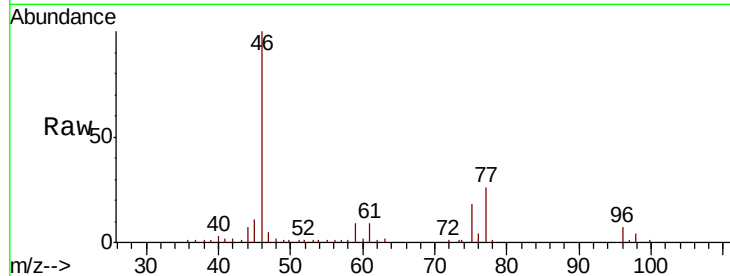




#20
 cis-1,2-Dichloroethene
 Concen: 0.653 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: VV017572.D
 Acq: 21 Jul 2020 18:32

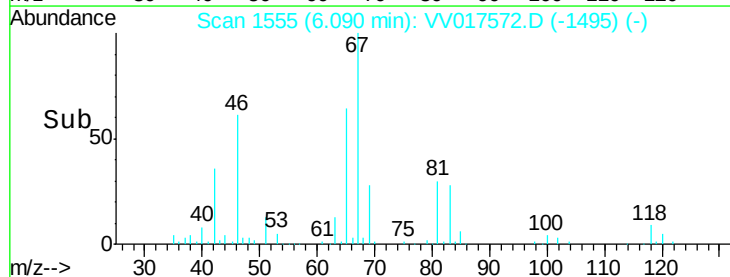
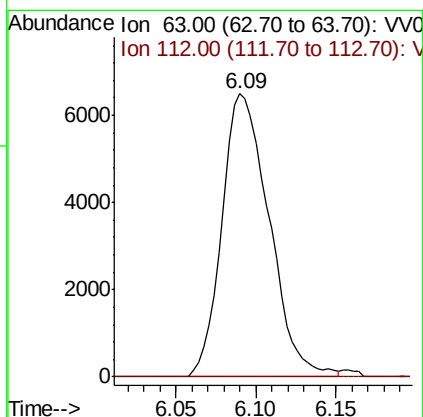
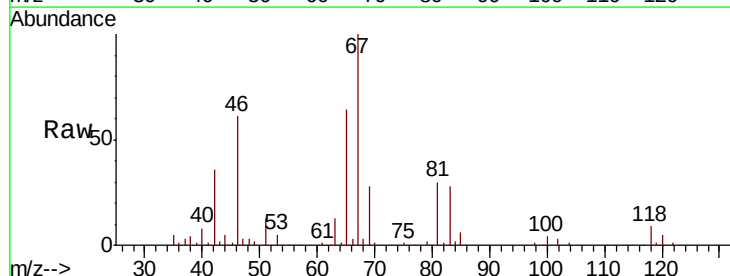
Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9SDL

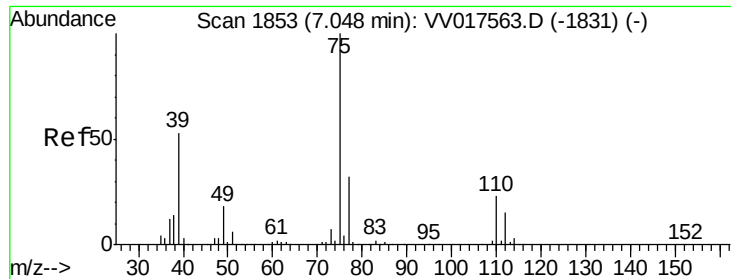
Tot Ion: 96 Resp: 1602
 Ion Ratio Lower Upper
 96 100
 61 131.8 87.8 163.2
 68 0.0 0.0 0.0



#37
 1,2-Dichloropropane
 Concen: 5.697 ug/L
 RT: 6.09 min Scan# 1555
 Delta R.T. -0.11 min
 Lab File: VV017572.D
 Acq: 21 Jul 2020 18:32

Tgt Ion: 63 Resp: 13111
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.8 5.8#





#39

cis-1,3-Dichloropropene

Concen: 0.870 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017572.D

Acq: 21 Jul 2020 18:32

Instrument :

MSVOA_V

ClientSampleId :

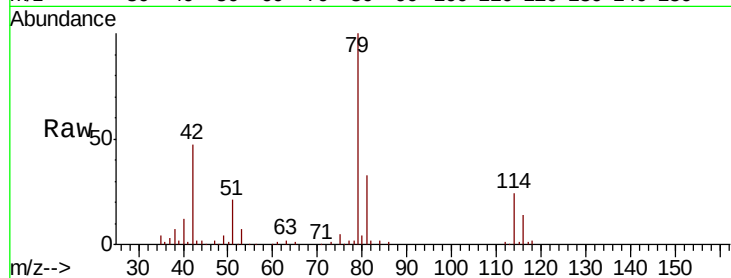
PMW-9SDL

Tot Ion: 75 Resp: 3355

Ion Ratio Lower Upper

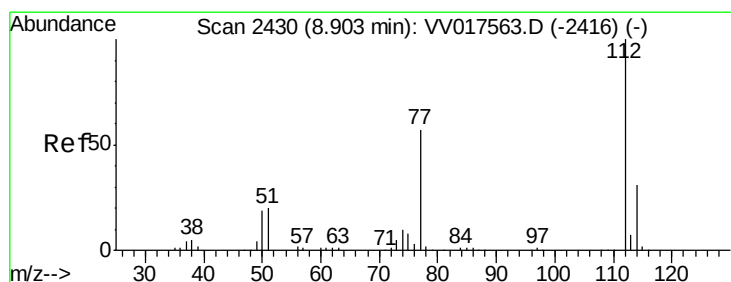
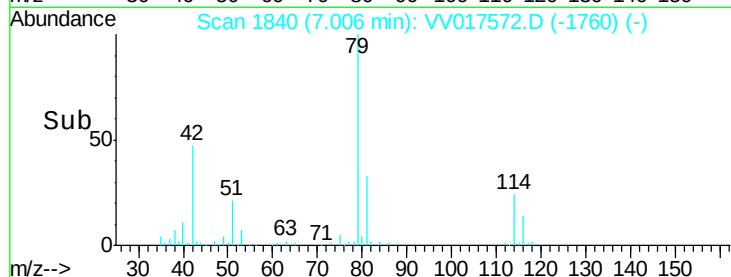
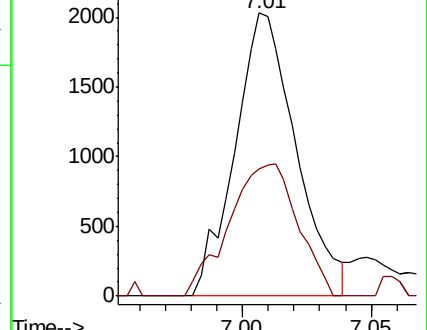
75 100

77 45.0 22.2 41.2#



Abundance Ion 75.00 (74.70 to 75.70): VV017563.D (-1831) (-)

Ion 77.00 (76.70 to 77.70): VV017563.D (-1831) (-)



#51

Chlorobenzene

Concen: 5.942 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV017572.D

Acq: 21 Jul 2020 18:32

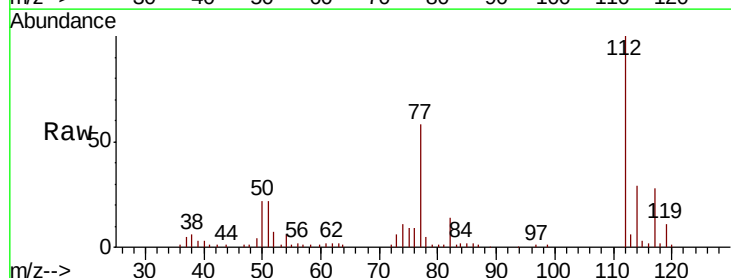
Tgt Ion: 112 Resp: 38988

Ion Ratio Lower Upper

112 100

114 29.2 21.9 40.7

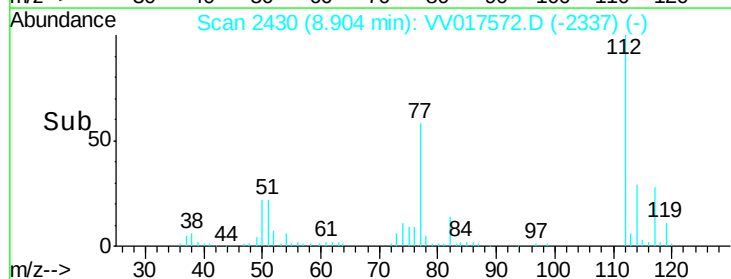
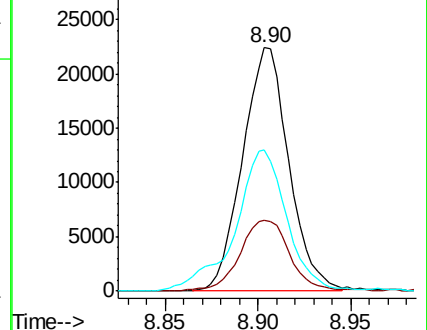
77 57.9 46.1 69.1

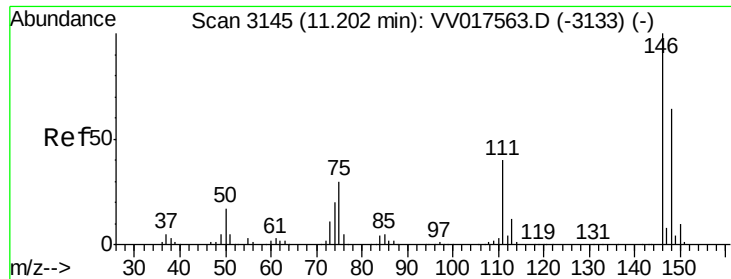


Abundance Ion 112.00 (111.70 to 112.70): VV017563.D (-2416) (-)

Ion 114.00 (113.70 to 114.70): VV017563.D (-2416) (-)

Ion 77.00 (76.70 to 77.70): VV017563.D (-2416) (-)

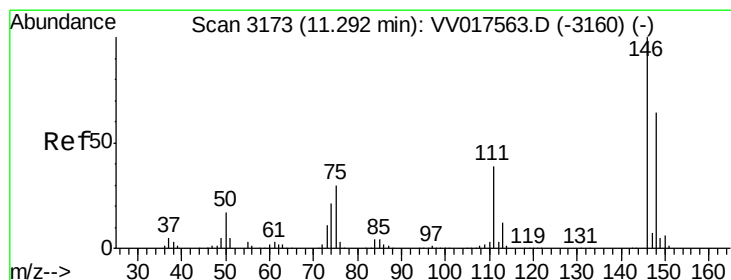
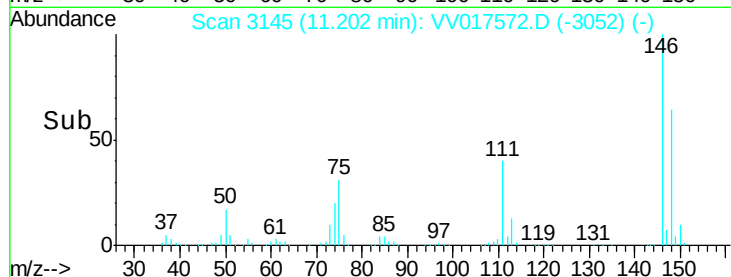
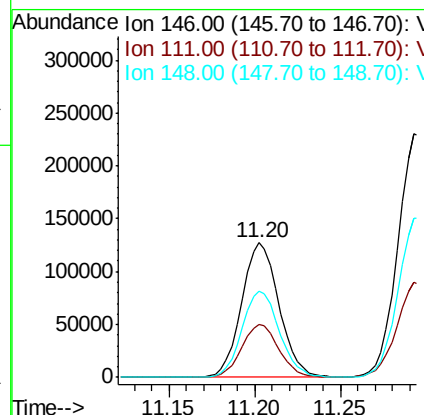
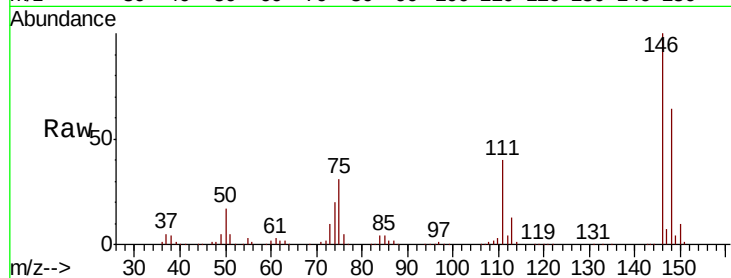




#62
 1,3-Dichlorobenzene
 Concen: 35.399 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV017572.D
 Acq: 21 Jul 2020 18:32

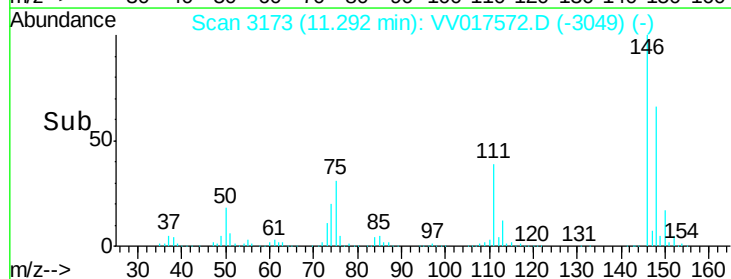
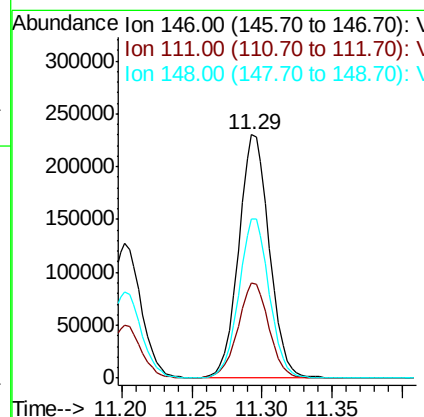
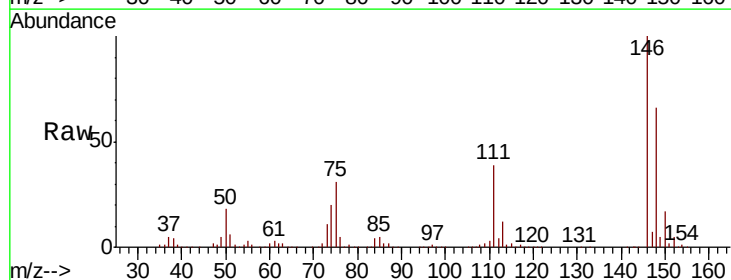
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 MSVOA_V
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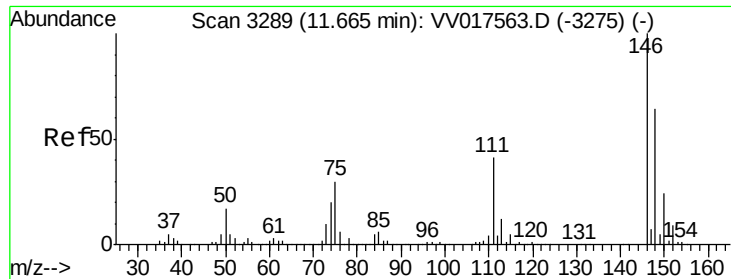
Tot Ion:146 Resp: 193000
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.2 52.4
 148 64.1 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 62.823 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV017572.D
 Acq: 21 Jul 2020 18:32

Tgt Ion:146 Resp: 349605
 Ion Ratio Lower Upper
 146 100
 111 39.0 27.3 50.7
 148 65.5 45.1 83.9





#65

1,2-Dichlorobenzene

Concen: 5.780 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017572.D

Acq: 21 Jul 2020 18:32

Instrument :

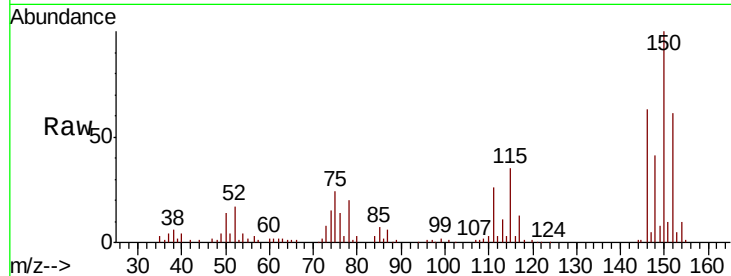
MSVOA_V

ClientSampleId :

PMW-9SDL

Tot Ion:146 Resp: 31950

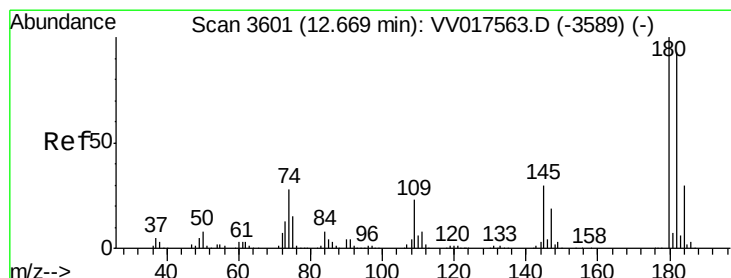
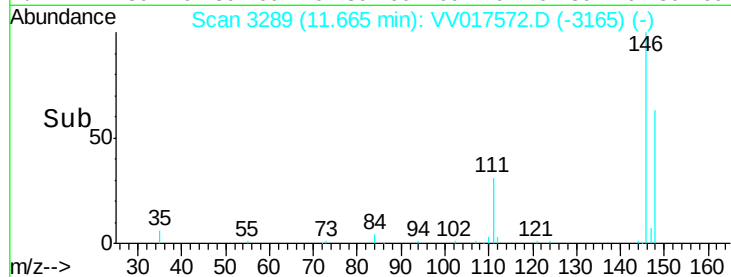
Ion	Ratio	Lower	Upper
146	100		
111	42.0	32.9	49.3
148	65.3	51.0	76.4



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: 1.404 ug/L

RT: 13.29 min Scan# 3794

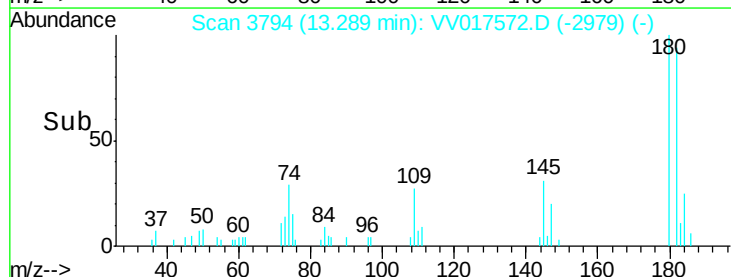
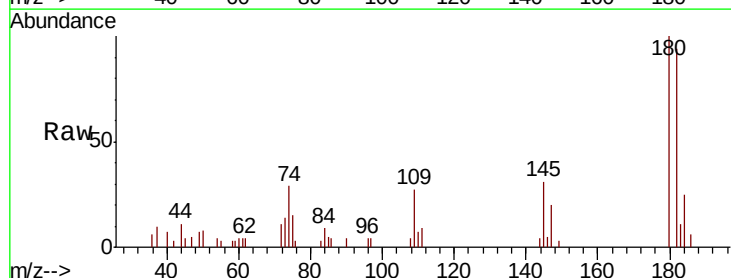
Delta R.T. 0.62 min

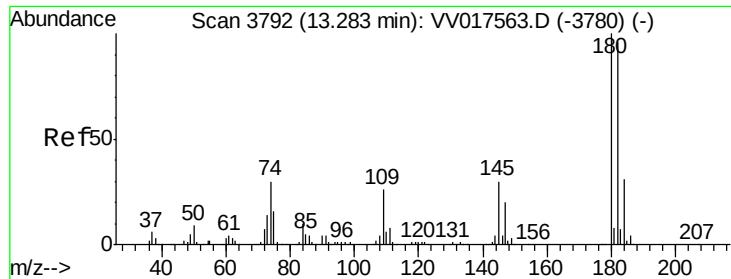
Lab File: VV017572.D

Acq: 21 Jul 2020 18:32

Tgt Ion:180 Resp: 6042

Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.7	115.1
184	26.3	24.5	36.7
145	29.6	24.2	36.2

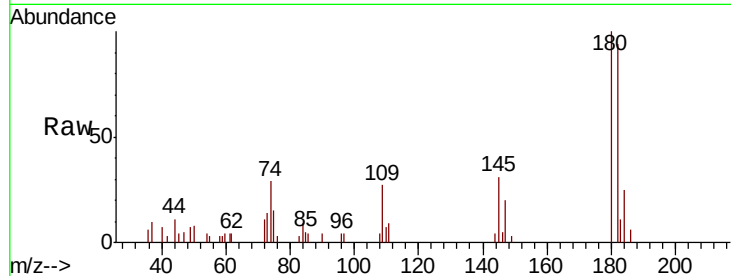




#68
 1,2,4-trichlorobenzene
 Concen: 1.583 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV017572.D
 Acq: 21 Jul 2020 18:32

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-9SDL

Tot Ion	Ion	Ratio	Lower	Upper
180	100			
182	96.1	76.2	114.4	
145	29.6	24.1	36.1	



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

