

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072020\
 Data File : VV017552.D
 Acq On : 20 Jul 2020 18:09
 Operator : SY/MD
 Sample : L3336-05
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-3

Manual Integrations
 APPROVED

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 7/22/2020 11:03:41 AM

Quant Time: Jul 21 03:37:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jul 20 18:07:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	281491	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	262170	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	146977	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	78490	49.98	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	99.96%
7) Chloroethane-d5	1.58	69	57569	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.10%
11) 1,1-Dichloroethene-d2	2.12	63	133714	35.01	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	70.02%
21) 2-Butanone-d5	3.90	46	104364	91.48	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	91.48%
24) Chloroform-d	4.38	84	162947	45.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.60%
26) 1,2-Dichloroethane-d4	5.06	65	121740	49.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.18%
32) Benzene-d6	5.07	84	286344	49.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.04%
36) 1,2-Dichloropropane-d6	6.09	67	84523	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.10%
41) Toluene-d8	7.34	98	280219	51.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.28%
43) trans-1,3-Dichloropropene-	7.64	79	51820	49.38	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.76%
47) 2-Hexanone-d5	8.11	63	79927	99.79	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.79%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	120934	49.12	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.24%
64) 1,2-Dichlorobenzene-d4	11.65	152	137350	51.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.42%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	5791	2.568	ug/L #	72
13) Acetone	2.19	43	7521	5.404	ug/L	86
17) trans-1,2-Dichloroethene	2.78	96	3155	1.736	ug/L	88
19) 1,1-Dichloroethane	3.21	63	64911	19.125	ug/L	96
20) cis-1,2-Dichloroethene	3.94	96	30457	15.279	ug/L	93
27) 1,2-Dichloroethane	5.16	62	14255	4.362	ug/L #	95
33) Benzene	5.13	78	16346	2.414	ug/L	100
34) Trichloroethene	5.94	95	3216m	1.723	ug/L	
51) Chlorobenzene	8.90	112	19184	3.642	ug/L	94
62) 1,3-Dichlorobenzene	11.21	146	2666	0.580	ug/L	96
63) 1,4-Dichlorobenzene	11.29	146	7818	1.633	ug/L	94

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

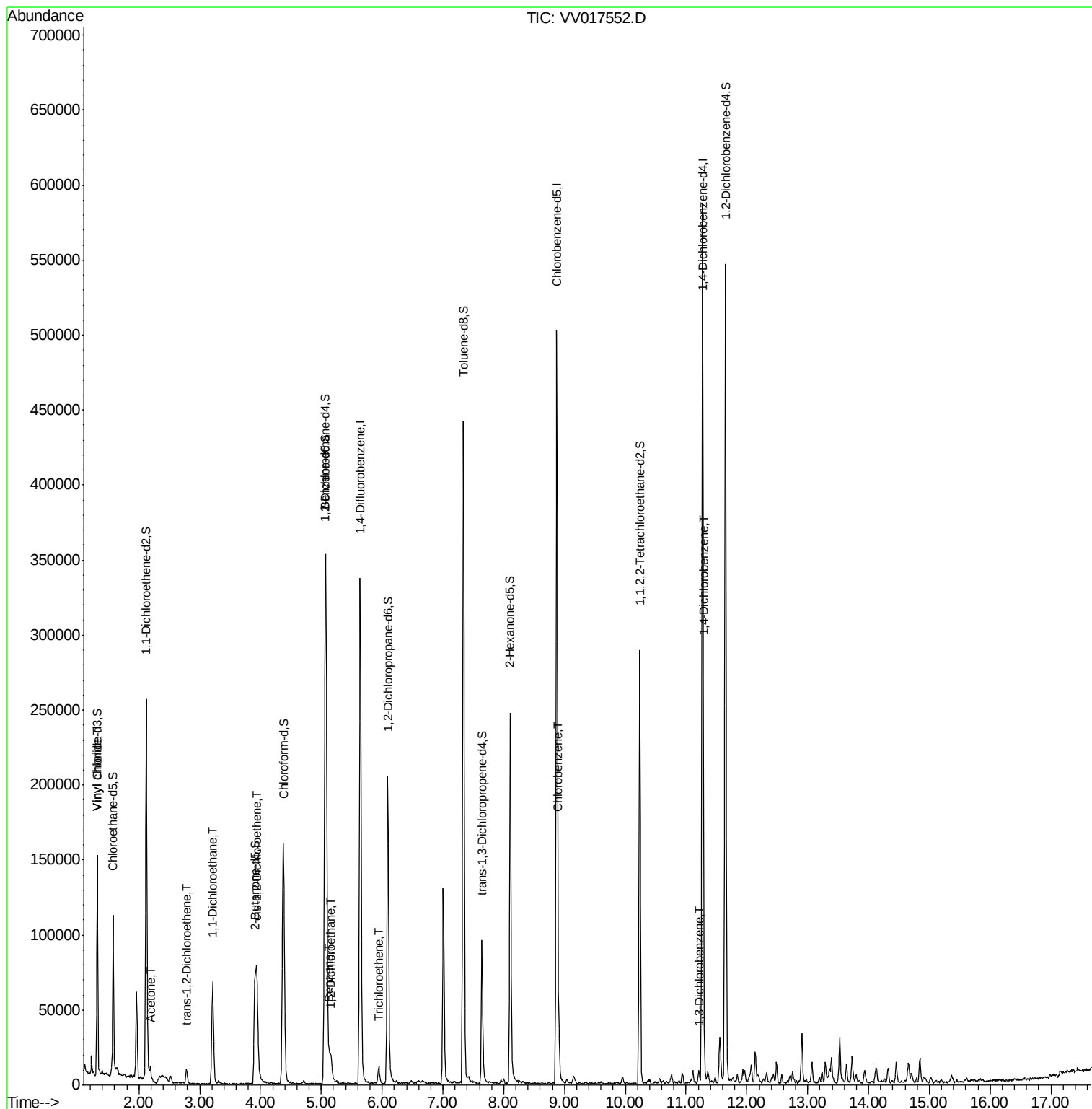
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072020\
Data File : VV017552.D
Acq On : 20 Jul 2020 18:09
Operator : SY/MD
Sample : L3336-05
Misc : 5.0mL/MSVOA V/WATER
ALS Vial : 19 Sample Multiplier: 1

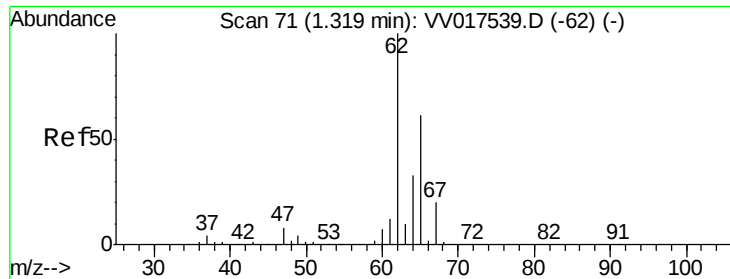
Instrument :
MSVOA_V
ClientSampleId :
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Quant Time: Jul 21 03:37:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM072020WMA.M
Quant Title : VOC Analysis
QLast Update : Mon Jul 20 18:07:44 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 2.568 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017552.D

Acq: 20 Jul 2020 18:09

Instrument :

MSVOA_V

ClientSampleId :

PMW-3

Tot Ion: 62 Resp: 5791

Ion Ratio Lower Upper

62 100

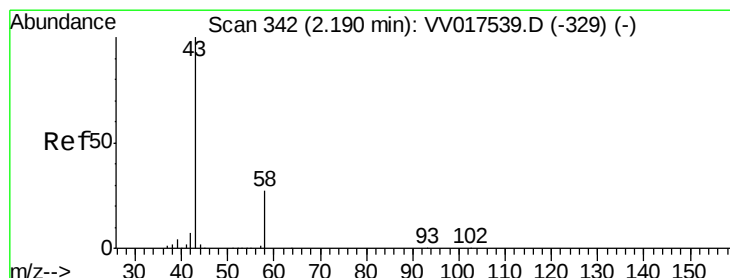
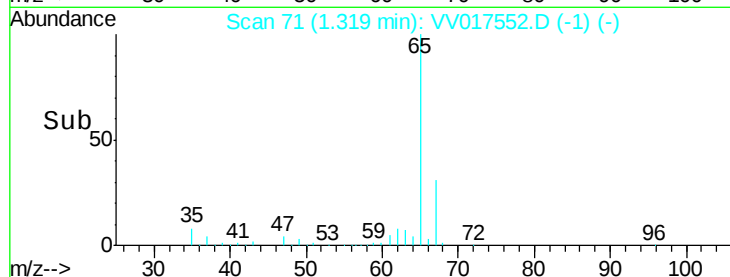
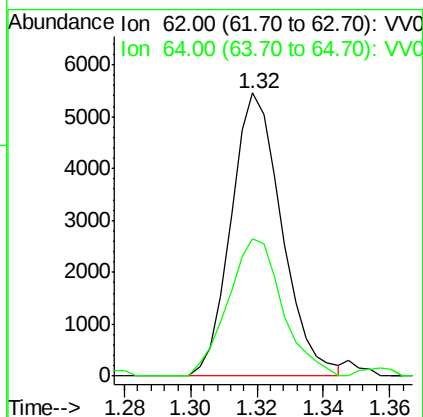
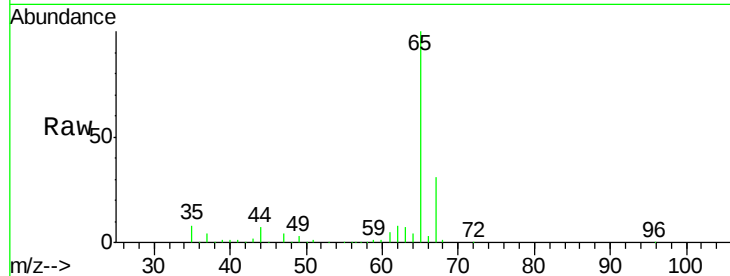
64 48.7 23.0 42.8#

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#13

Acetone

Concen: 5.404 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV017552.D

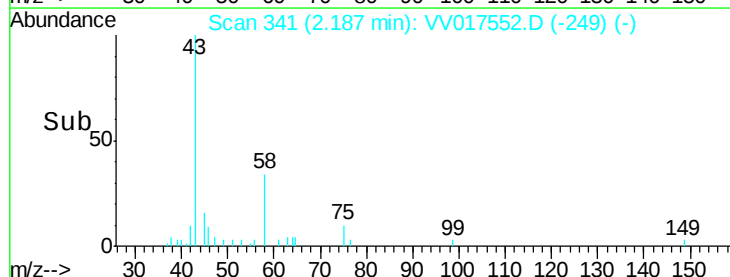
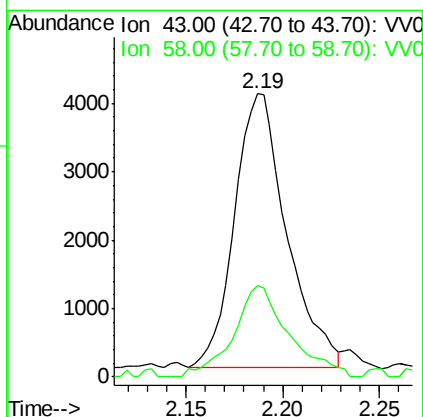
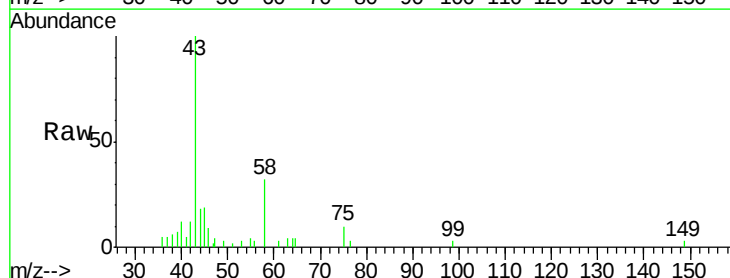
Acq: 20 Jul 2020 18:09

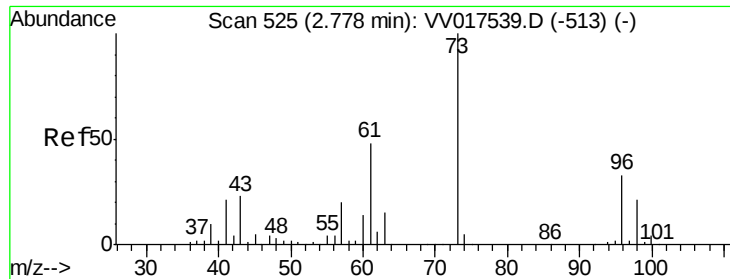
Tgt Ion: 43 Resp: 7521

Ion Ratio Lower Upper

43 100

58 35.3 0.0 56.0





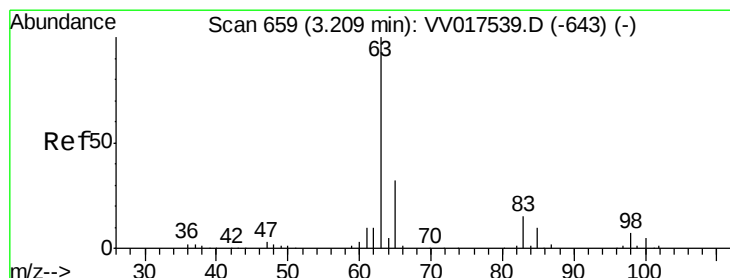
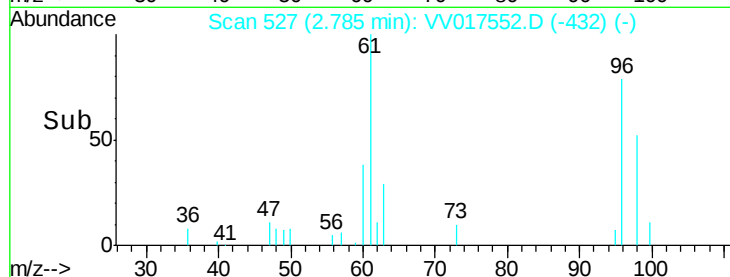
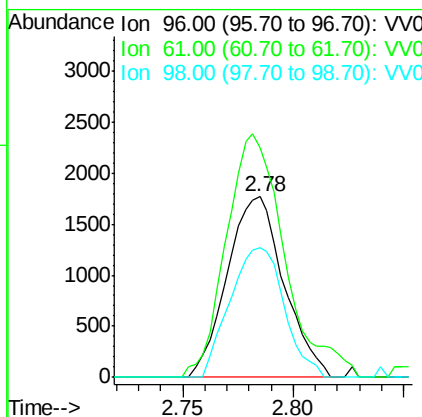
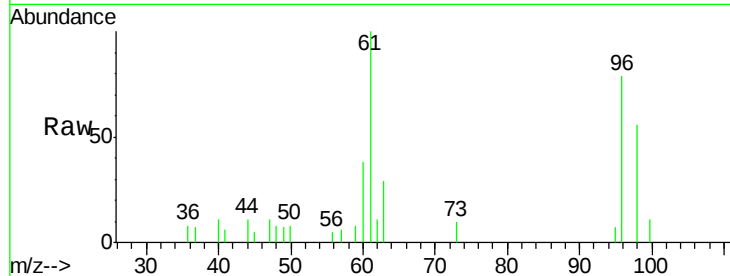
#17
trans-1,2-Dichloroethene
Concen: 1.736 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.01 min
Lab File: VV017552.D
Acq: 20 Jul 2020 18:09

Instrument :
MSVOA_V
ClientSampleId :
PMW-3

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.8	100.4	186.6
98	71.6	44.8	83.2

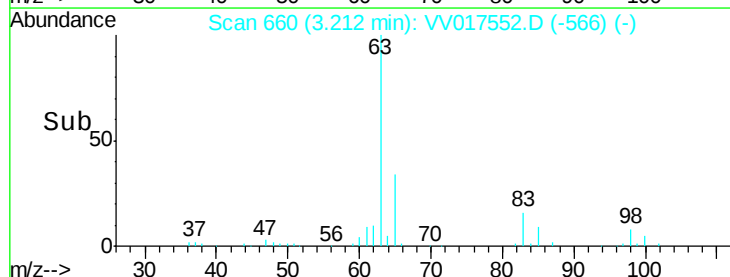
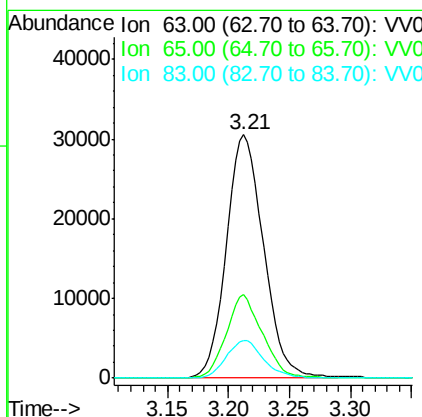
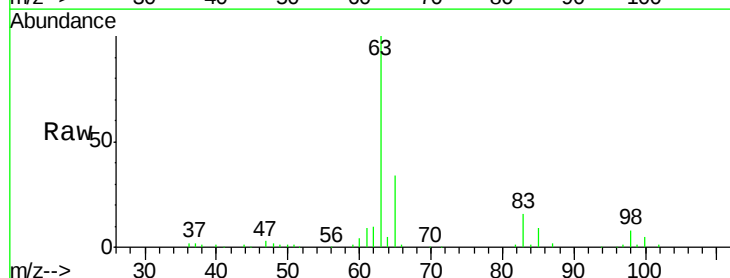
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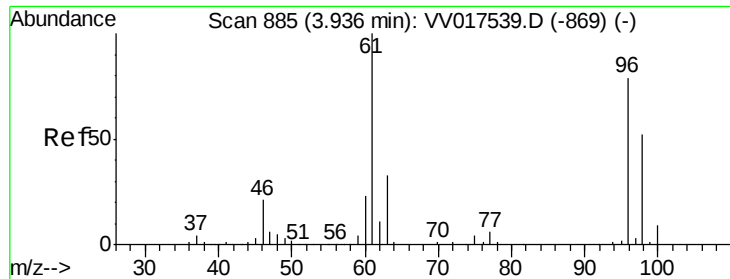
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#19
1,1-Dichloroethane
Concen: 19.125 ug/L
RT: 3.21 min Scan# 660
Delta R.T. 0.00 min
Lab File: VV017552.D
Acq: 20 Jul 2020 18:09

Tgt Ion	Ratio	Lower	Upper
63	100		
65	34.2	22.0	41.0
83	15.5	10.1	18.9





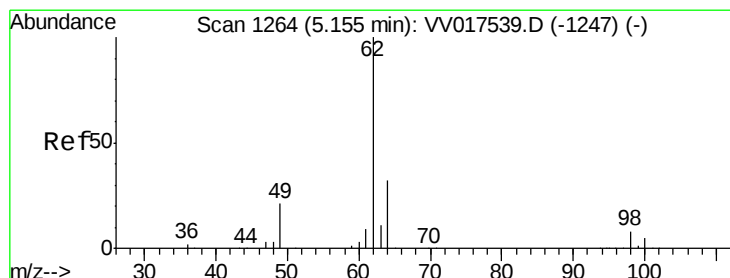
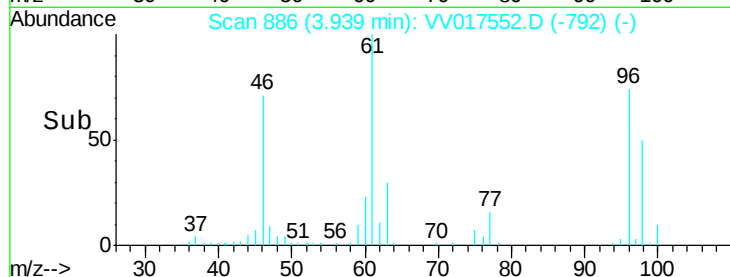
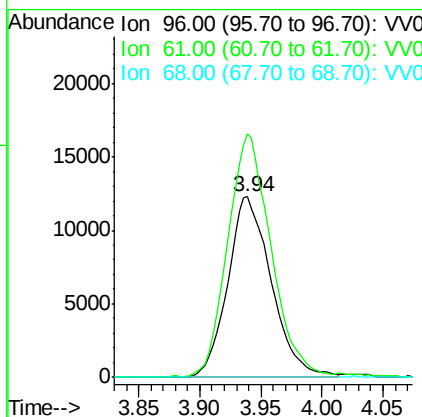
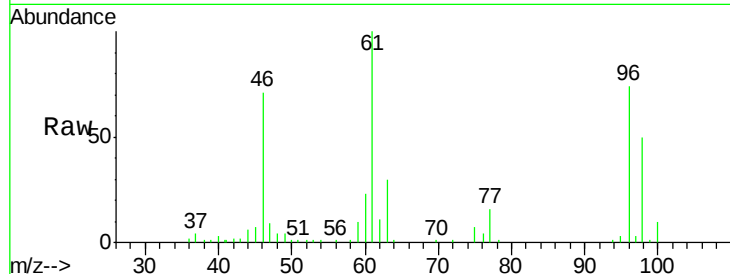
#20
 cis-1,2-Dichloroethene
 Concen: 15.279 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017552.D
 Acq: 20 Jul 2020 18:09

Instrument :
 MSVOA_V
 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	88.5	164.4
68	0.0	0.0	0.0

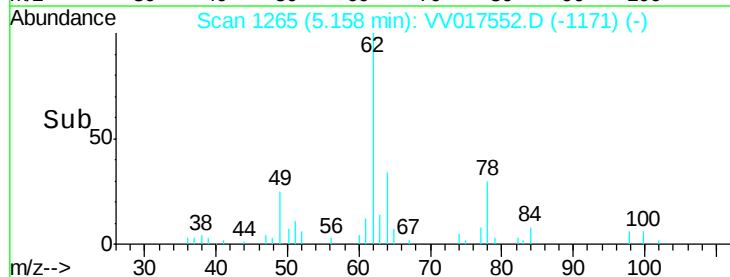
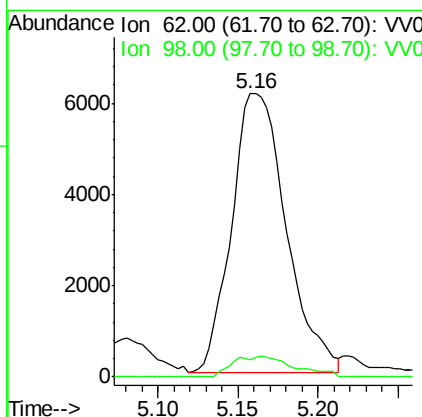
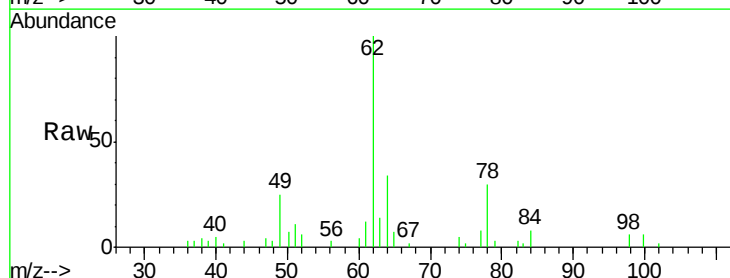
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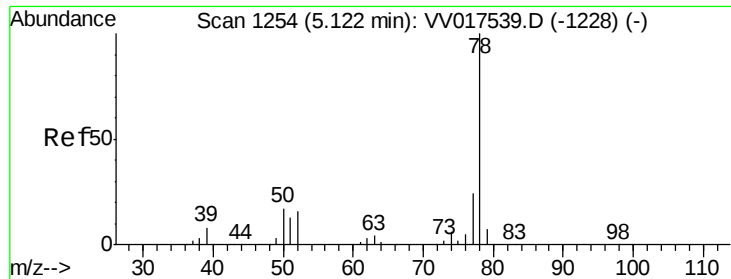
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#27
 1,2-Dichloroethane
 Concen: 4.362 ug/L
 RT: 5.16 min Scan# 1265
 Delta R.T. 0.00 min
 Lab File: VV017552.D
 Acq: 20 Jul 2020 18:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	5.9	6.2	9.4#





#33

Benzene

Concen: 2.414 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV017552.D

Acq: 20 Jul 2020 18:09

Instrument :

MSVOA_V

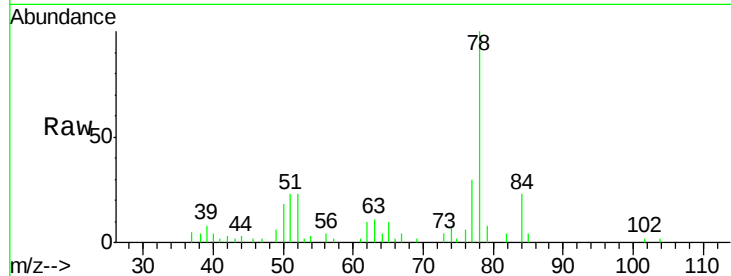
ClientSampleId :

PMW-3

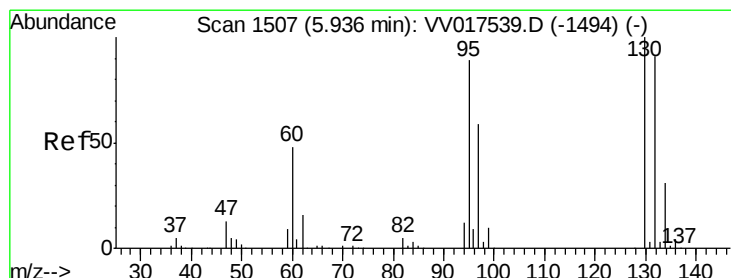
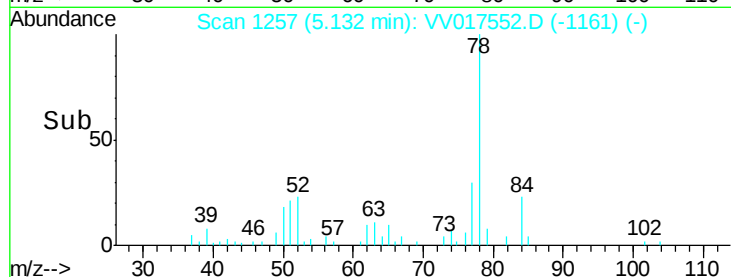
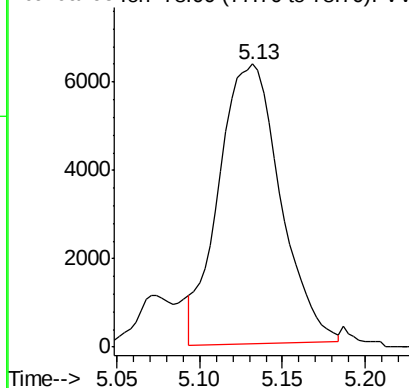
Tgt Ion: 78 Resp: 16346

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Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 1.723 ug/L m

RT: 5.94 min Scan# 1509

Delta R.T. 0.01 min

Lab File: VV017552.D

Acq: 20 Jul 2020 18:09

Tgt Ion: 95 Resp: 3216

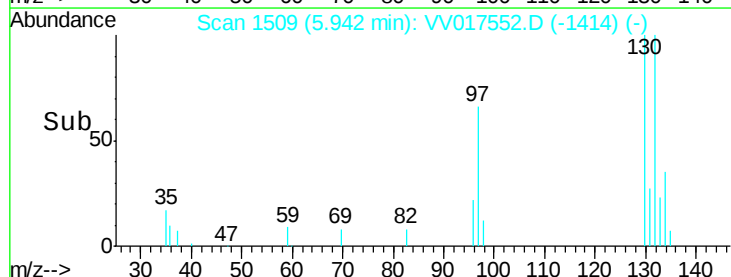
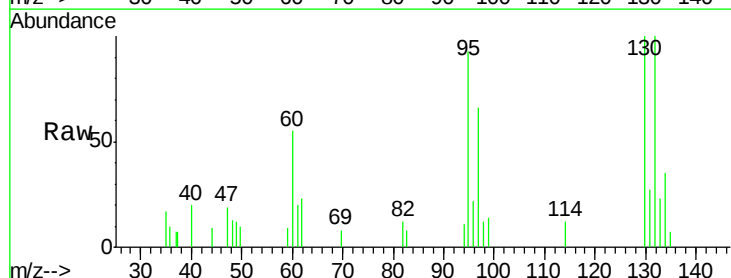
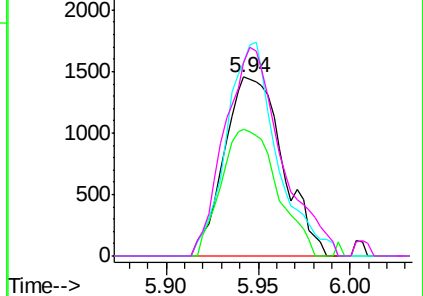
Ion	Ratio	Lower	Upper
95	100		
97	71.1	46.1	85.5
132	108.0	71.3	132.3
130	108.0	78.3	145.3

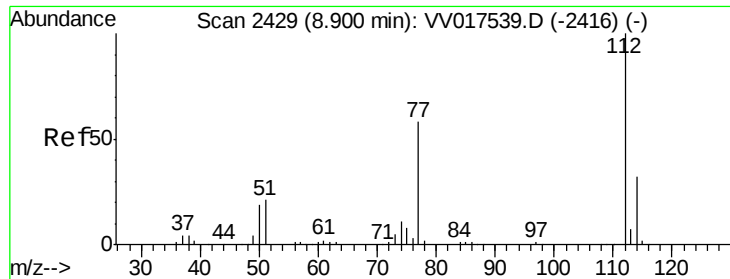
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#51

Chlorobenzene

Concen: 3.642 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017552.D

Acq: 20 Jul 2020 18:09

Instrument :

MSVOA_V

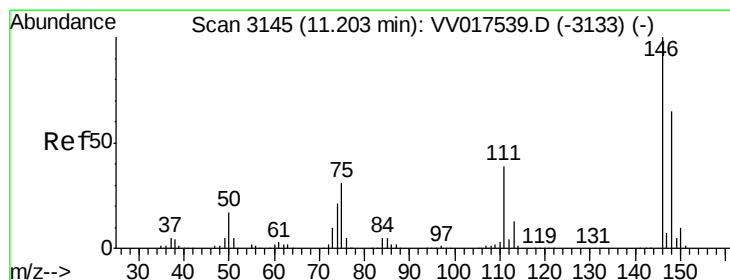
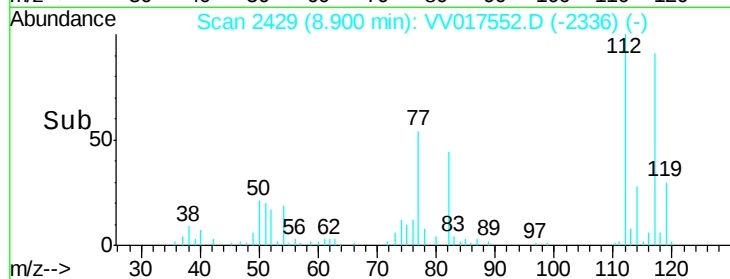
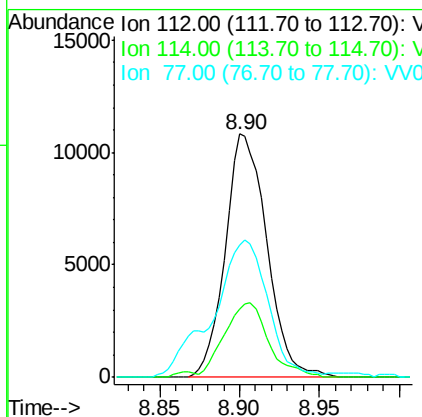
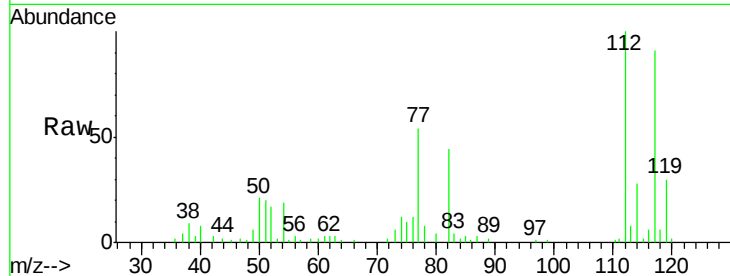
ClientSampled :

PMW-3

Tot Ion:	112	Resp:	19184
Ion Ratio	Lower	Upper	
112	100		
114	28.0	22.7	42.1
77	54.5	46.9	70.3

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#62

1,3-Dichlorobenzene

Concen: 0.580 ug/L

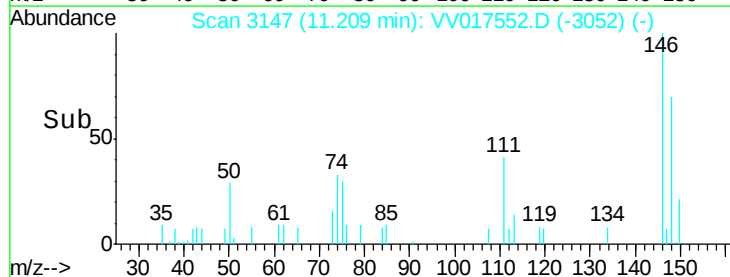
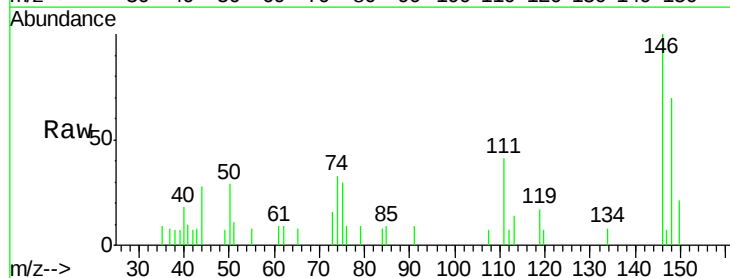
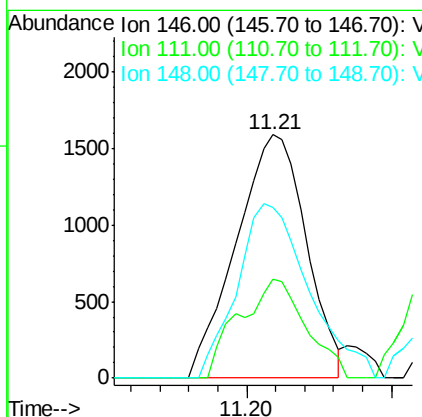
RT: 11.21 min Scan# 3147

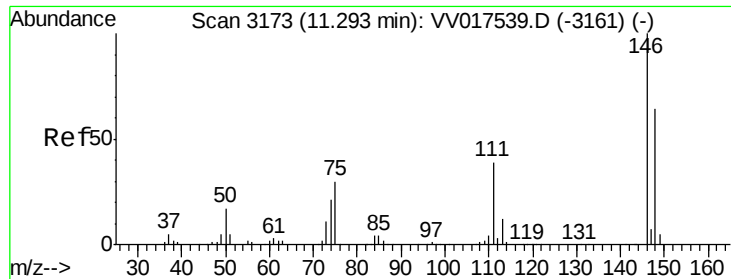
Delta R.T. 0.01 min

Lab File: VV017552.D

Acq: 20 Jul 2020 18:09

Tgt Ion:	146	Resp:	2666
Ion Ratio	Lower	Upper	
146	100		
111	40.6	27.6	51.2
148	70.1	45.8	85.0





#63
 1,4-Dichlorobenzene
 Concen: 1.633 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017552.D
 Acq: 20 Jul 2020 18:09

Instrument :
 MSVOA_V
 ClientSampleId :
 PMW-3

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.7	27.2	50.4
148	58.0	44.7	82.9

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