

Data File : VV012351.D
Acq On : 22 Aug 2019 16:42
Operator : SY/MD
Sample : K4485-12
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2B88

Quant Time: Aug 23 07:00:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082119WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Aug 23 06:55:48 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	183391	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	175115	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	81508	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	36542	42.09	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	84.18%
7) Chloroethane-d5	1.58	69	28414	45.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.28%
11) 1,1-Dichloroethene-d2	2.13	63	57723	33.77	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	67.54%
21) 2-Butanone-d5	3.93	46	54652	80.76	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	80.76%
24) Chloroform-d	4.40	84	114172	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
26) 1,2-Dichloroethane-d4	5.08	65	89314	52.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.96%
32) Benzene-d6	5.10	84	217236	46.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.04%
36) 1,2-Dichloropropane-d6	6.12	67	57248	45.33	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.66%
41) Toluene-d8	7.36	98	208651	45.85	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.70%
43) trans-1,3-Dichloropropene-	7.66	79	34156	43.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.84%
47) 2-Hexanone-d5	8.13	63	41389	79.41	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	79.41%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	82038	45.61	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.22%
64) 1,2-Dichlorobenzene-d4	11.67	152	90584	50.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.10%

Target Compounds

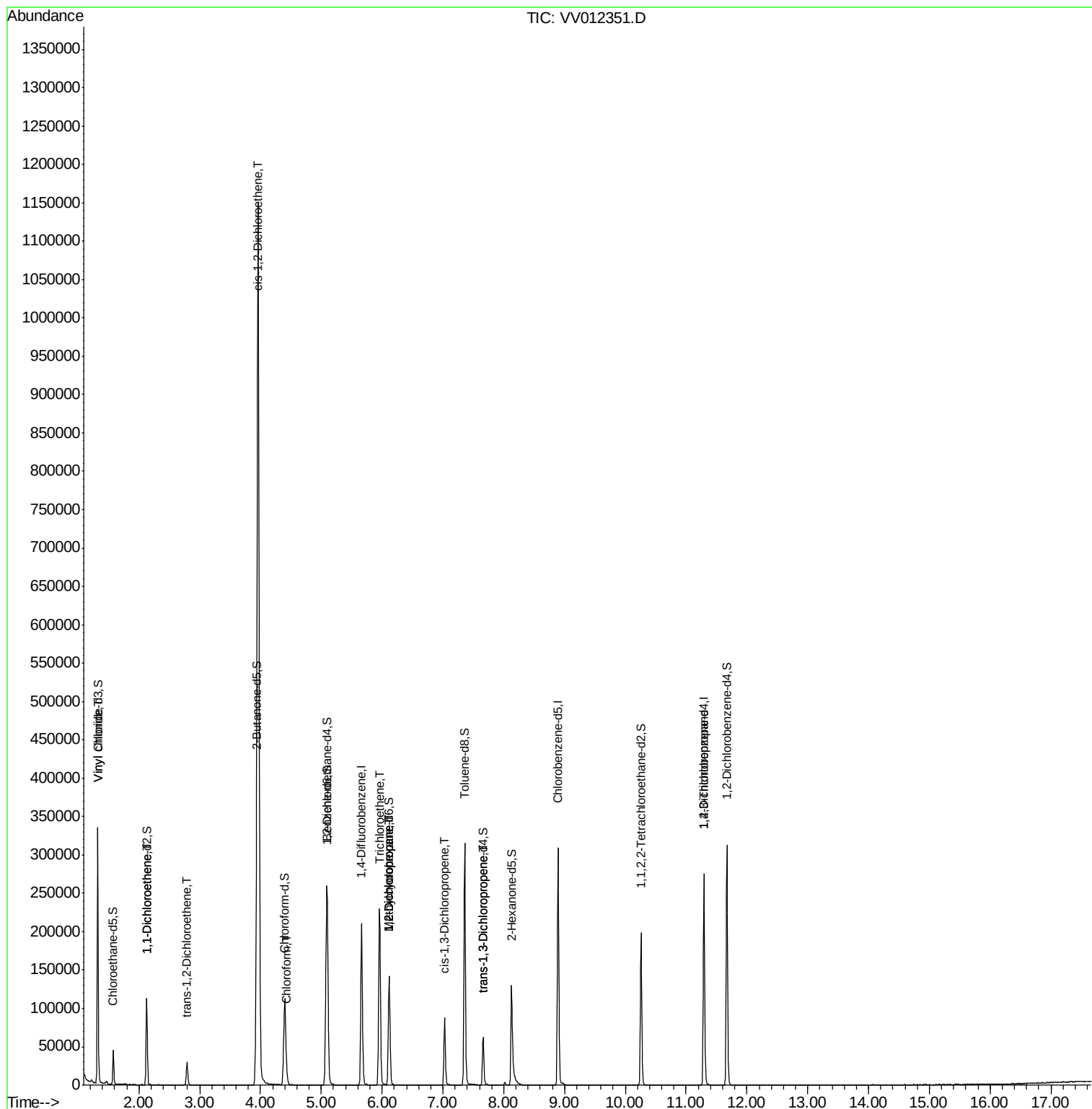
						Qvalue
5) Vinyl chloride	1.32	62	171587	193.725	ug/L	99
12) 1,1-Dichloroethene	2.14	96	988	1.339	ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	11289	10.113	ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	659882	531.213	ug/L	96
25) Chloroform	4.43	83	9404	4.064	ug/L	95
34) Trichloroethene	5.96	95	72215	55.858	ug/L	97
35) Methylcyclohexane	6.12	83	17402	8.902	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	8073	8.068	ug/L #	82
39) cis-1,3-Dichloropropene	7.03	75	2323	1.251	ug/L #	60
44) trans-1,3-Dichloropropene	7.66	75	1532	0.865	ug/L	94
59) 1,2,3-Trichloropropane	11.30	75	6750	4.734	ug/L #	82

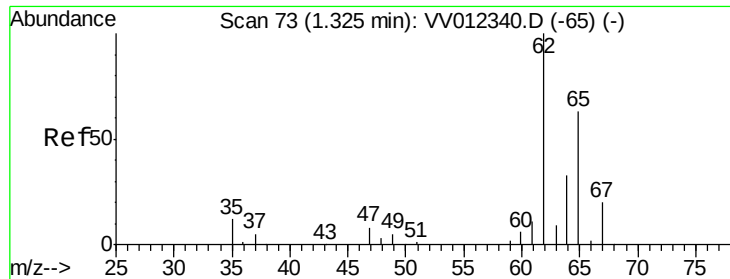
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 193.725 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

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Instrument :

MSVOA_V

ClientSampleId :

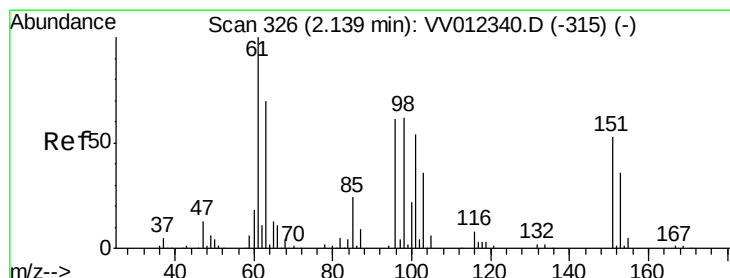
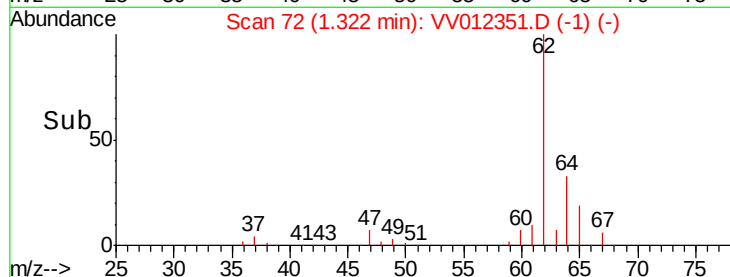
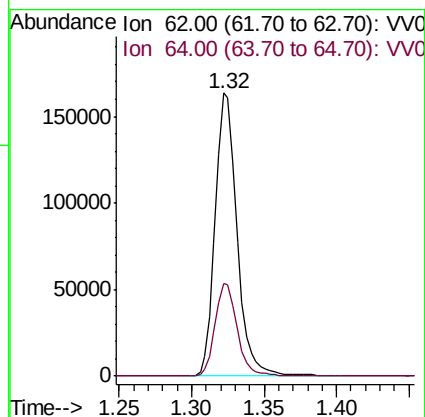
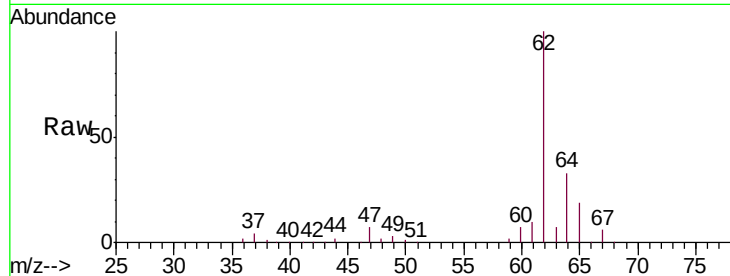
F2B88

Tgt Ion: 62 Resp: 171587

Ion Ratio Lower Upper

62 100

64 32.8 23.5 43.7



#12

1,1-Dichloroethene

Concen: 1.339 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012351.D

Acq: 22 Aug 2019 16:42

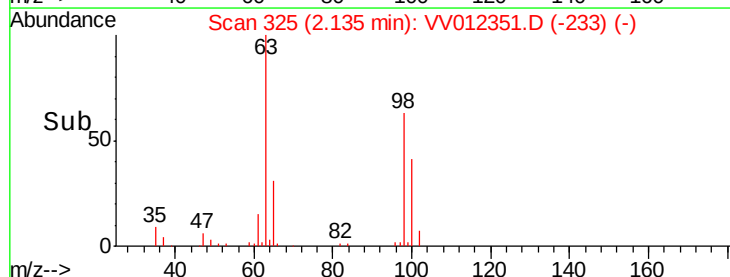
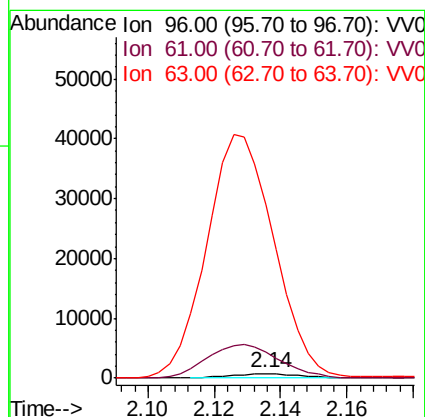
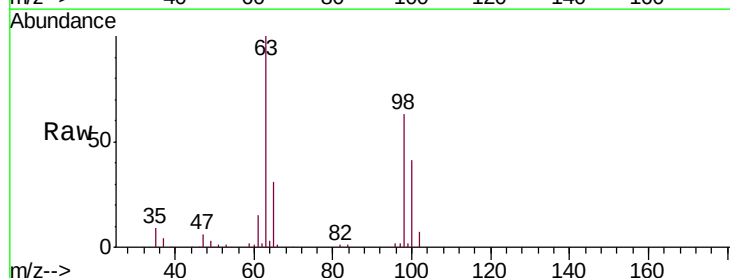
Tgt Ion: 96 Resp: 988

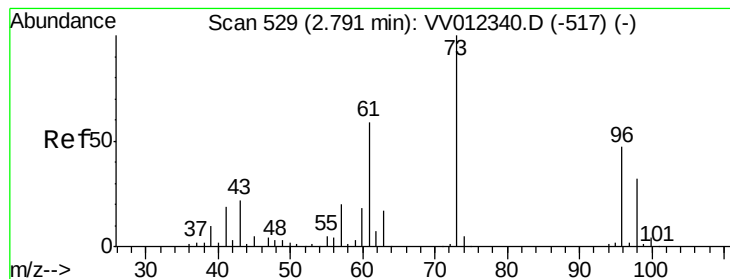
Ion Ratio Lower Upper

96 100

61 616.5 122.6 227.8#

63 4095.0 98.6 183.2#





#17

trans-1,2-Dichloroethene

Concen: 10.113 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV012351.D

Acq: 22 Aug 2019 16:42

Instrument :

MSVOA_V

ClientSampled :

F2B88

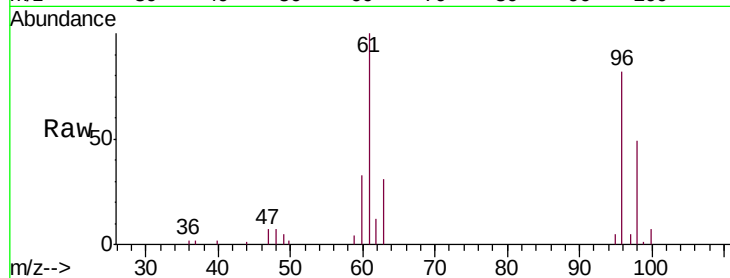
Tgt Ion: 96 Resp: 11289

Ion Ratio Lower Upper

96 100

61 121.9 87.0 161.6

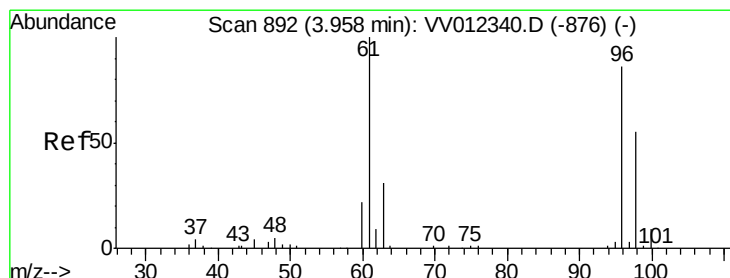
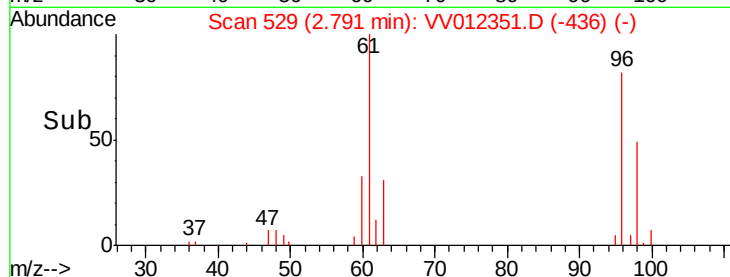
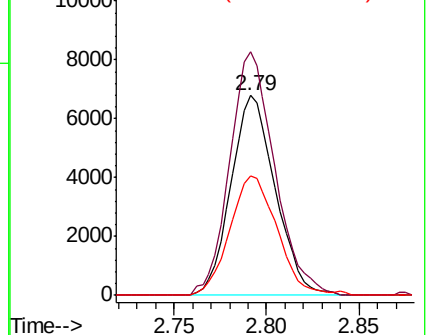
98 59.6 43.8 81.4



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 531.213 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV012351.D

Acq: 22 Aug 2019 16:42

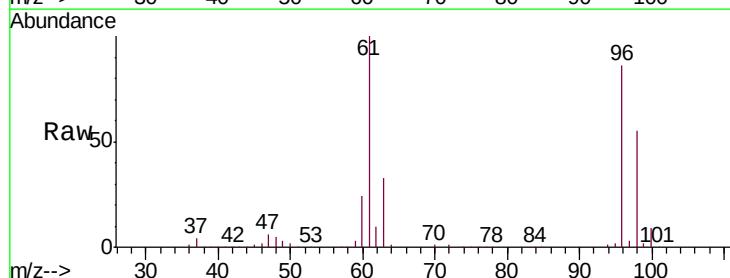
Tgt Ion: 96 Resp: 659882

Ion Ratio Lower Upper

96 100

61 116.0 84.4 156.7

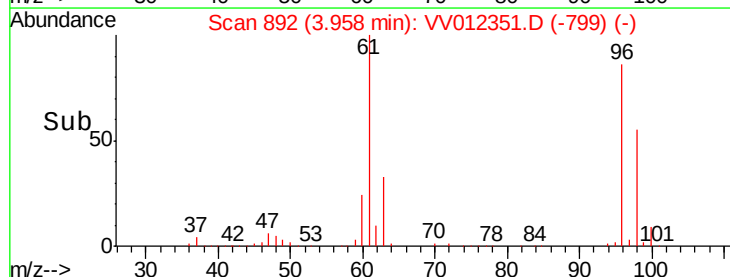
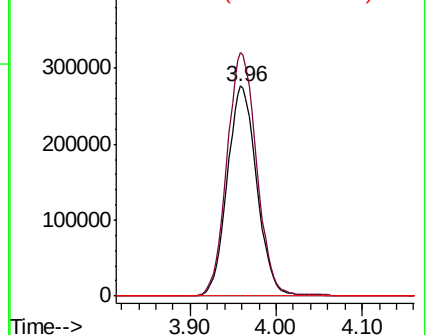
68 0.0 0.0 0.0

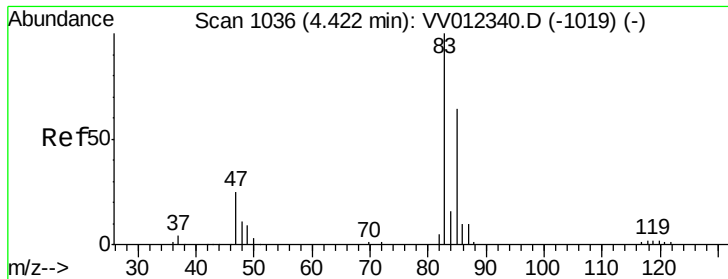


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

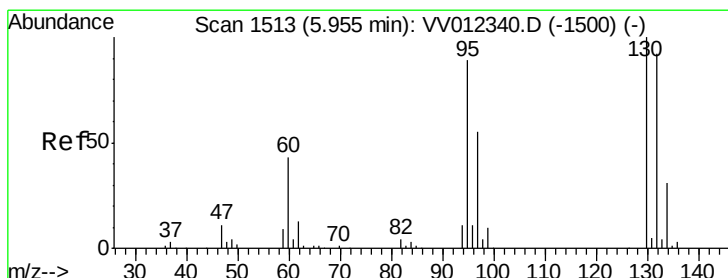
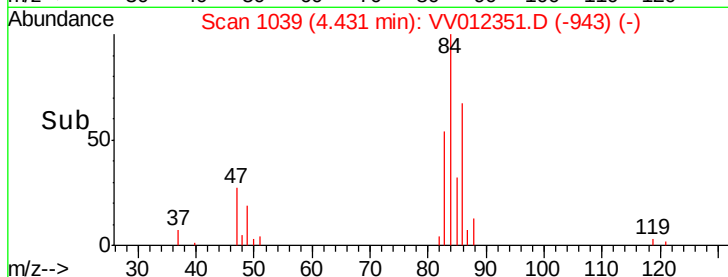
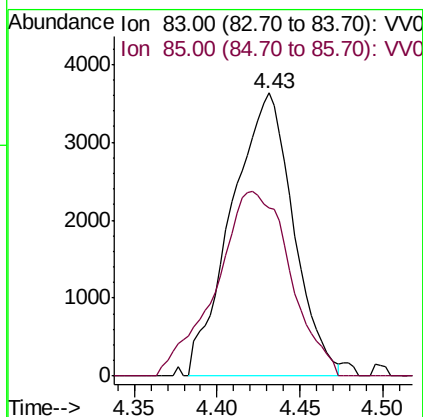
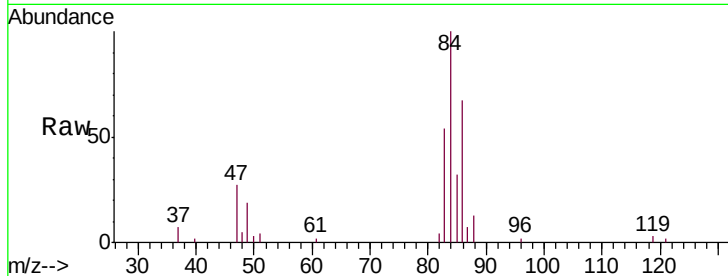




#25
Chloroform
Concen: 4.064 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.01 min
Lab File: VV012351.D
Acq: 22 Aug 2019 16:42

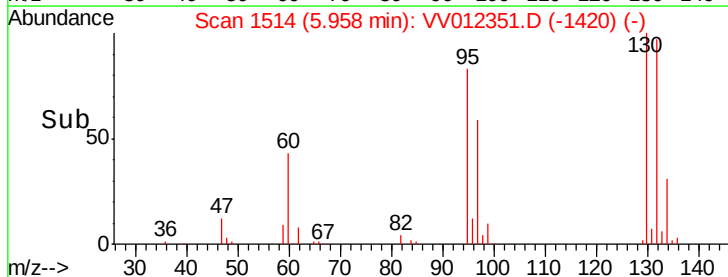
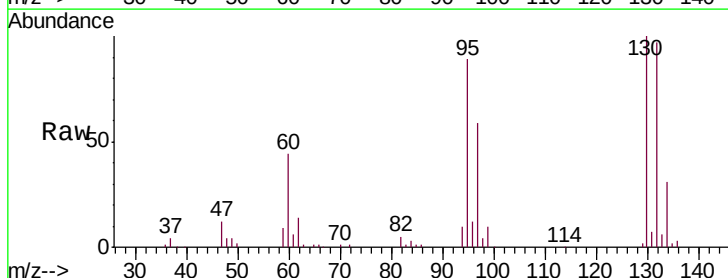
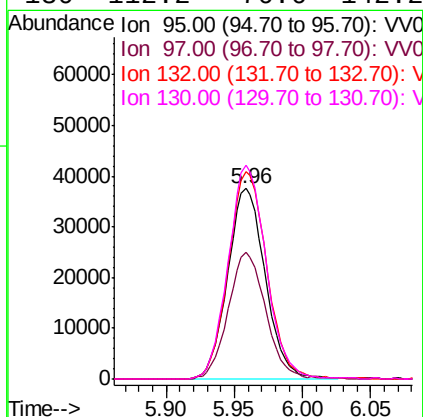
Instrument :
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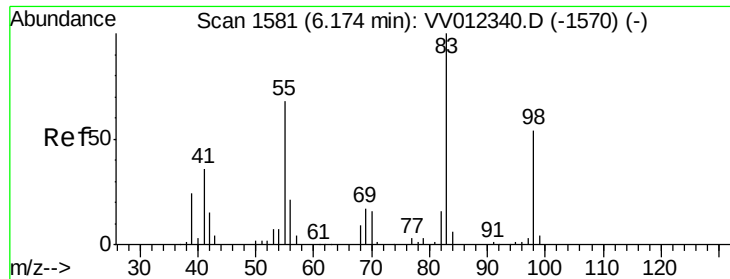
Tgt Ion: 83 Resp: 9404
Ion Ratio Lower Upper
83 100
85 59.5 44.5 82.7



#34
Trichloroethene
Concen: 55.858 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VV012351.D
Acq: 22 Aug 2019 16:42

Tgt Ion: 95 Resp: 72215
Ion Ratio Lower Upper
95 100
97 66.4 43.6 81.0
132 109.0 73.9 137.3
130 112.2 76.6 142.2

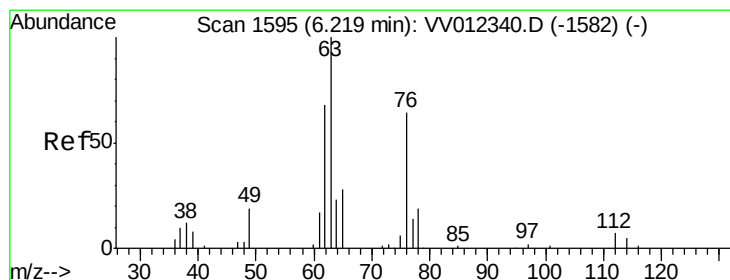
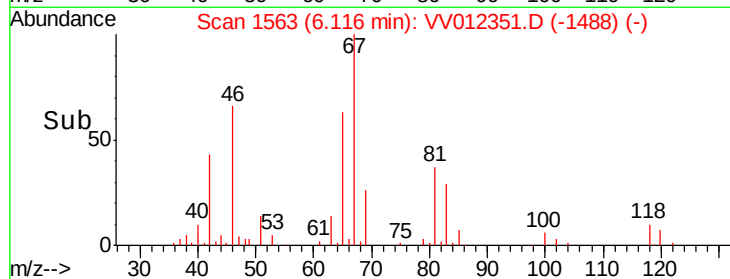
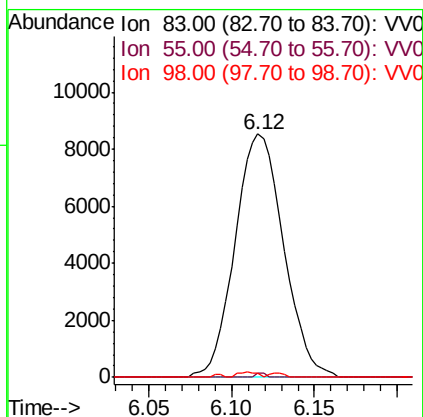
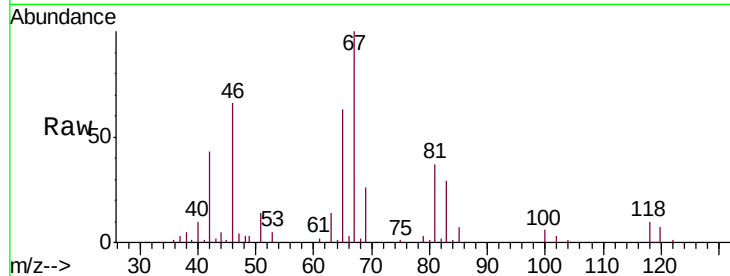




#35
Methylcyclohexane
Concen: 8.902 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.06 min
Lab File: VV012351.D
Acq: 22 Aug 2019 16:42

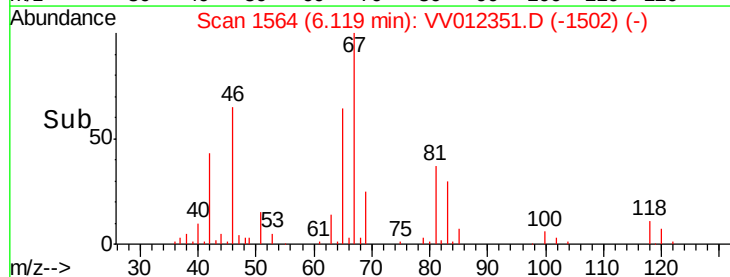
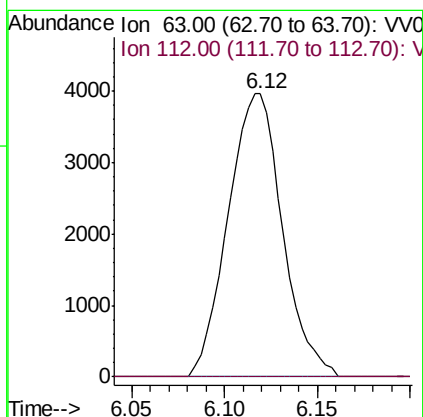
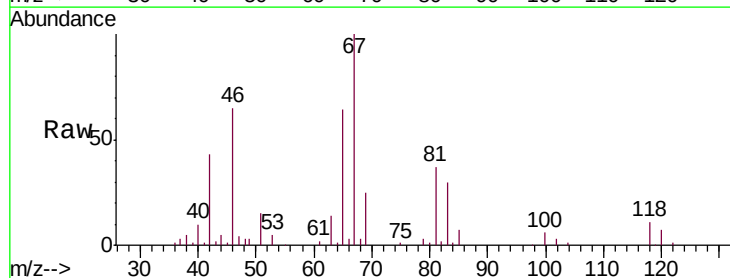
Instrument :
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ClientSampleId :
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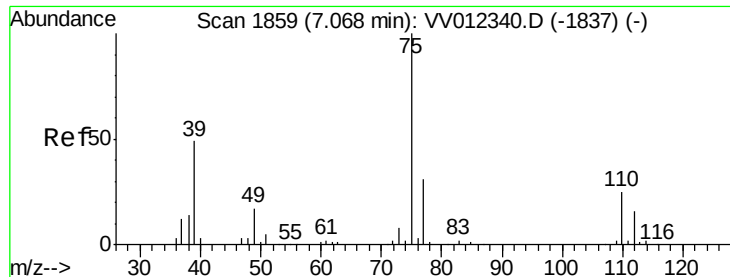
Tgt Ion: 83 Resp: 17402
Ion Ratio Lower Upper
83 100
55 0.3 56.2 84.4#
98 0.9 42.2 63.4#



#37
1,2-Dichloropropane
Concen: 8.068 ug/L
RT: 6.12 min Scan# 1564
Delta R.T. -0.10 min
Lab File: VV012351.D
Acq: 22 Aug 2019 16:42

Tgt Ion: 63 Resp: 8073
Ion Ratio Lower Upper
63 100
112 0.0 4.7 7.1#

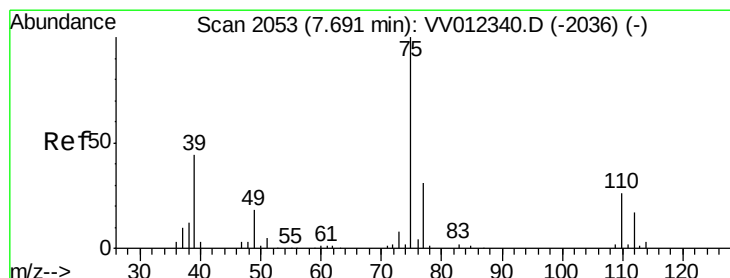
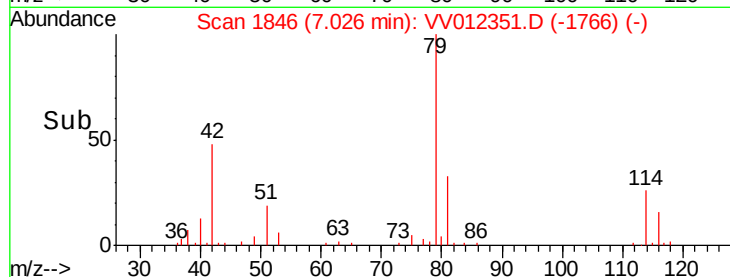
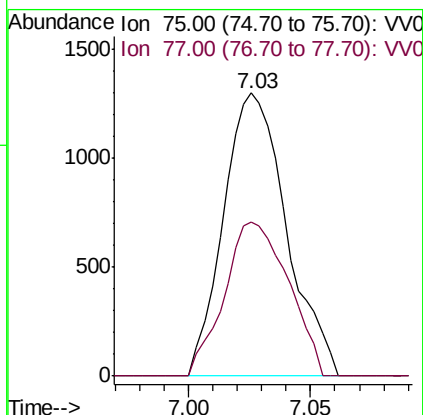
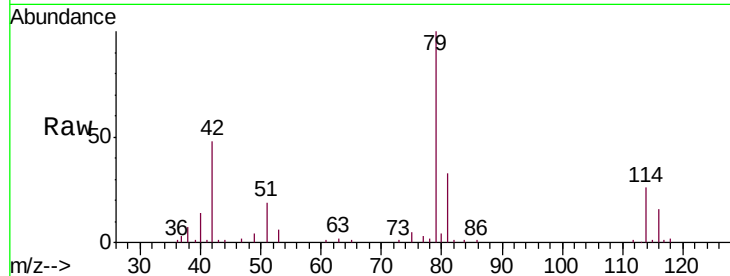




#39
 cis-1,3-Dichloropropene
 Concen: 1.251 ug/L
 RT: 7.03 min Scan# 1846
 Delta R.T. -0.04 min
 Lab File: VV012351.D
 Acq: 22 Aug 2019 16:42

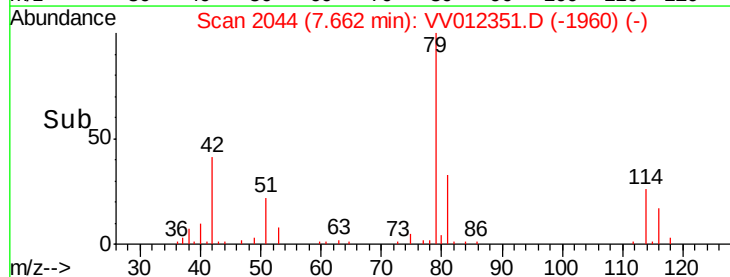
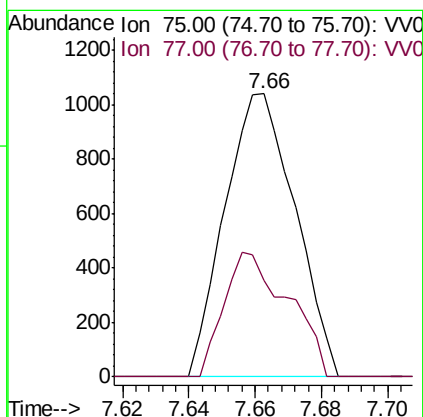
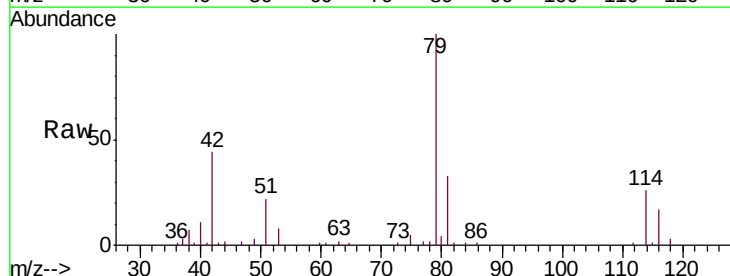
Instrument :
 MSVOA_V
 ClientSampled :
 F2B88

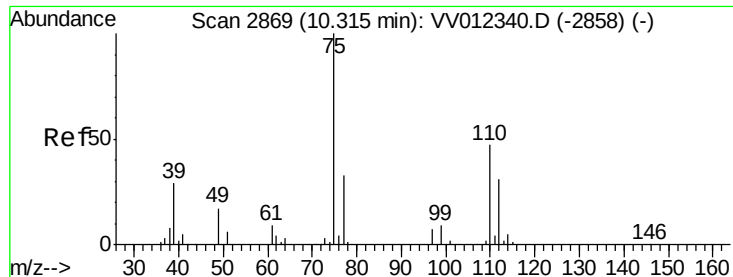
Tgt Ion: 75 Resp: 2323
 Ion Ratio Lower Upper
 75 100
 77 54.3 22.5 41.7#



#44
 trans-1,3-Dichloropropene
 Concen: 0.865 ug/L
 RT: 7.66 min Scan# 2044
 Delta R.T. -0.03 min
 Lab File: VV012351.D
 Acq: 22 Aug 2019 16:42

Tgt Ion: 75 Resp: 1532
 Ion Ratio Lower Upper
 75 100
 77 34.1 21.7 40.3





#59

1,2,3-Trichloropropane

Concen: 4.734 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.98 min

Lab File: VV012351.D

Acq: 22 Aug 2019 16:42

Instrument :

MSVOA_V

ClientSampleId :

F2B88

Tgt Ion: 75 Resp: 6750

Ion Ratio Lower Upper

75 100

77 43.9 26.8 40.2#

