

Data File : VV012356.D
Acq On : 22 Aug 2019 18:45
Operator : SY/MD
Sample : K4485-17
Misc : 5mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F2B95

Quant Time: Aug 23 07:01:01 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	175805	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	171178	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	79632	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	99465	119.50	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	239.00%#
7) Chloroethane-d5	1.58	69	26378	44.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	88.40%
11) 1,1-Dichloroethene-d2	2.13	63	61189	37.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	74.68%
21) 2-Butanone-d5	3.95	46	65159	100.43	ug/L	0.03
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.43%
24) Chloroform-d	4.40	84	114620	48.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.90%
26) 1,2-Dichloroethane-d4	5.08	65	89801	55.04	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	110.08%
32) Benzene-d6	5.10	84	216934	47.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.04%
36) 1,2-Dichloropropane-d6	6.12	67	57922	46.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.84%
41) Toluene-d8	7.36	98	211383	47.51	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.02%
43) trans-1,3-Dichloropropene-	7.66	79	35690	46.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	93.88%
47) 2-Hexanone-d5	8.13	63	45285	88.89	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.89%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	85840	48.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	97.66%
64) 1,2-Dichlorobenzene-d4	11.67	152	93228	53.25	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.50%

Target Compounds

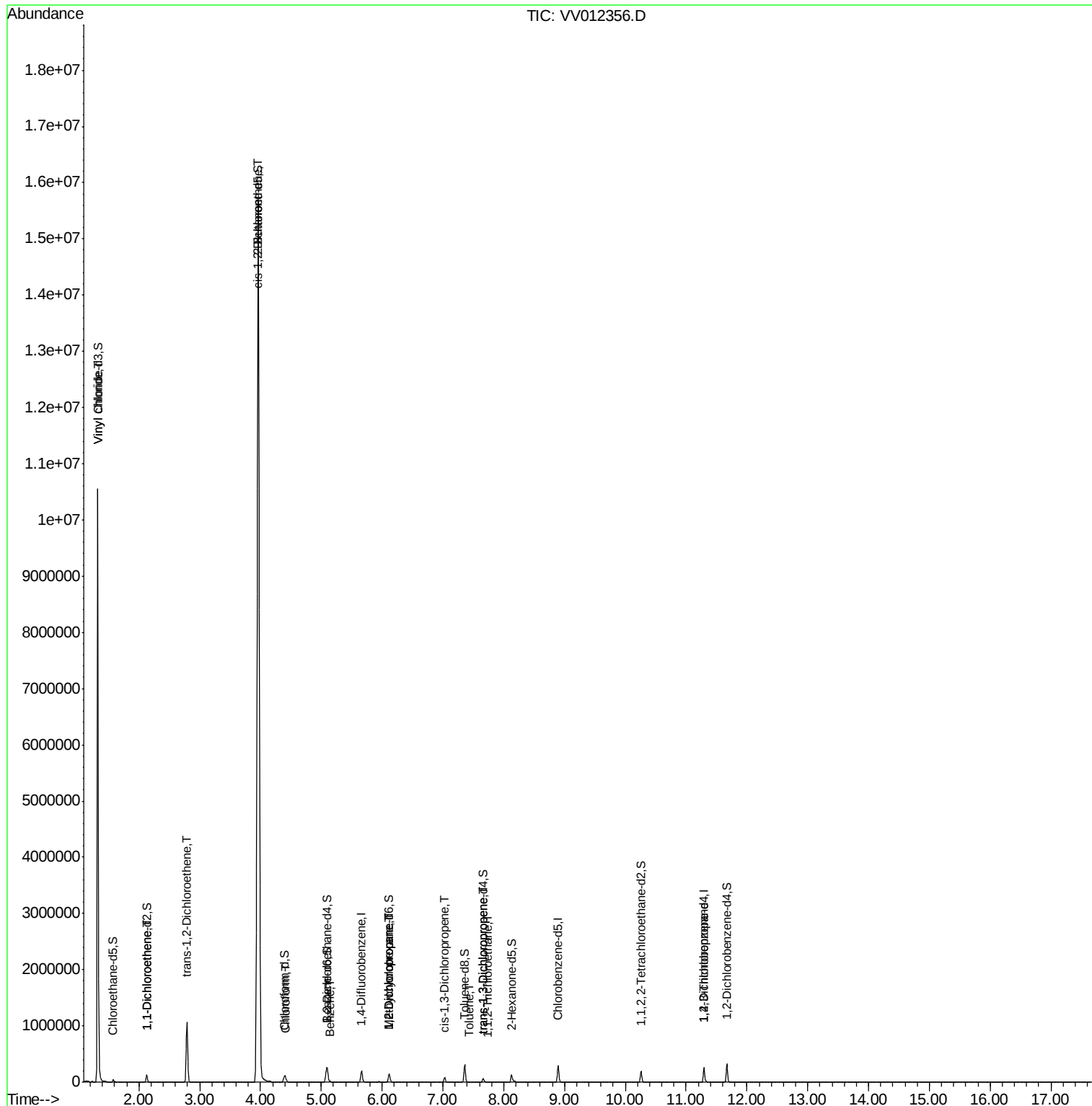
						Qvalue
5) Vinyl chloride	1.32	62	6697912	7888.383	ug/L	97
12) 1,1-Dichloroethene	2.14	96	5684	8.038	ug/L #	1
17) trans-1,2-Dichloroethene	2.79	96	406668	380.016	ug/L	97
20) cis-1,2-Dichloroethene	3.96	96	9047362	7597.508	ug/L	99
25) Chloroform	4.42	83	6198	2.794	ug/L	88
33) Benzene	5.15	78	6058	1.404	ug/L	100
35) Methylcyclohexane	6.11	83	17967	9.403	ug/L #	20
37) 1,2-Dichloropropane	6.12	63	8226	8.410	ug/L #	82
39) cis-1,3-Dichloropropene	7.03	75	2394	1.318	ug/L #	68
42) Toluene	7.43	91	2684	0.551	ug/L	87
44) trans-1,3-Dichloropropene	7.66	75	1629	0.941	ug/L	84
45) 1,1,2-Trichloroethane	7.74	97	573	0.507	ug/L #	15
59) 1,2,3-Trichloropropane	11.29	75	7057	5.063	ug/L #	84

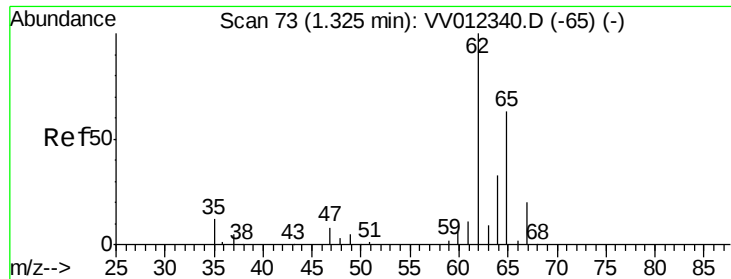
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#5

Vinyl chloride

Concen: 7888.383 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV012356.D

Acq: 22 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

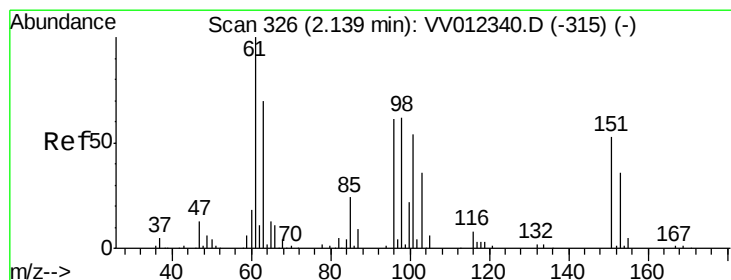
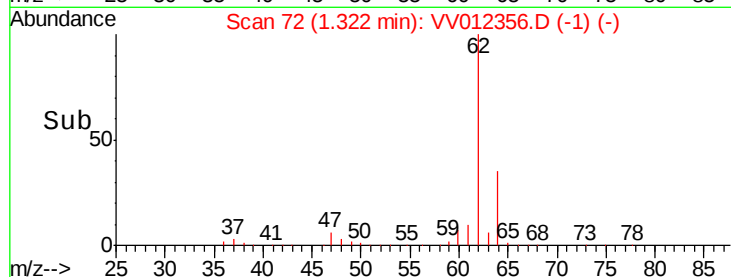
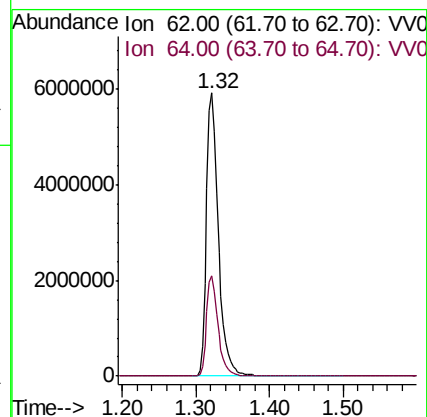
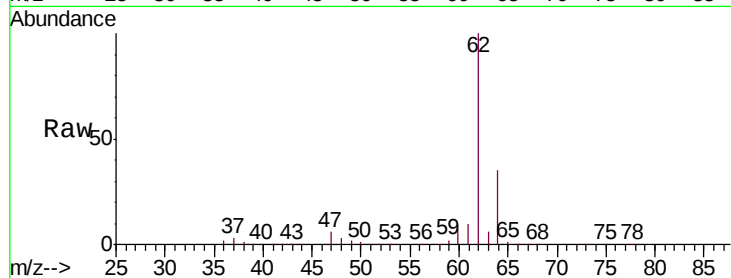
F2B95

Tgt Ion: 62 Resp: 6697912

Ion Ratio Lower Upper

62 100

64 35.4 23.5 43.7



#12

1,1-Dichloroethene

Concen: 8.038 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012356.D

Acq: 22 Aug 2019 18:45

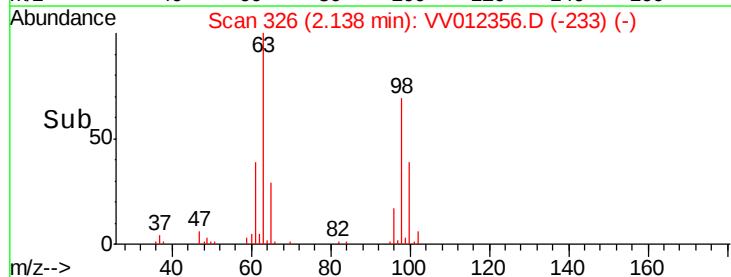
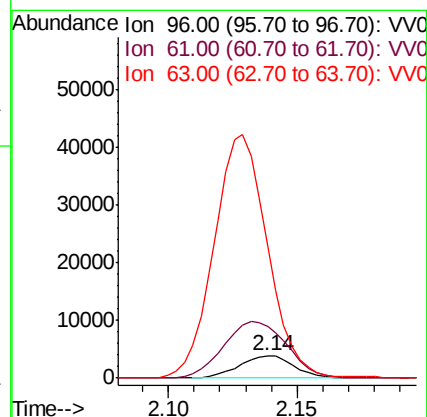
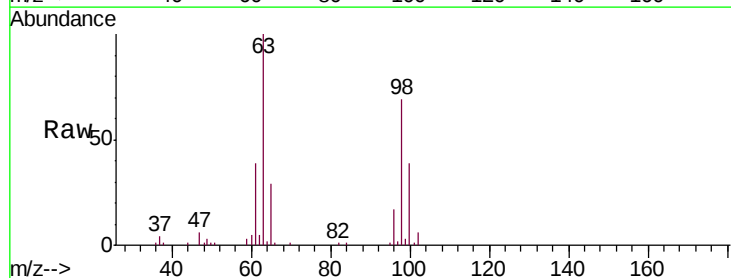
Tgt Ion: 96 Resp: 5684

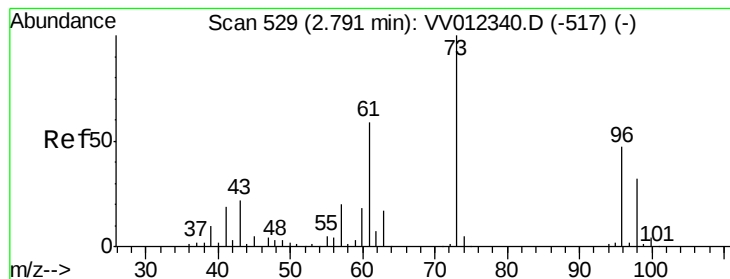
Ion Ratio Lower Upper

96 100

61 232.5 122.6 227.8#

63 591.4 98.6 183.2#





#17

trans-1,2-Dichloroethene

Concen: 380.016 ug/L

RT: 2.79 min Scan# 529

Delta R.T. -0.00 min

Lab File: VV012356.D

Acq: 22 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

F2B95

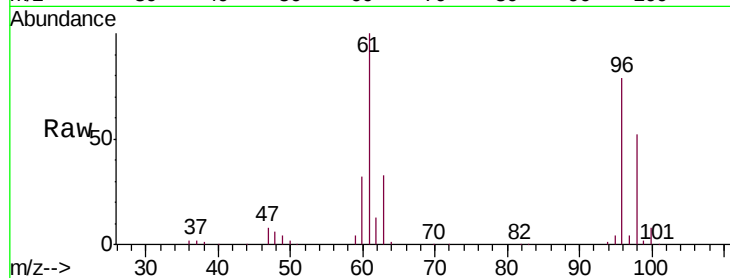
Tgt Ion: 96 Resp: 406668

Ion Ratio Lower Upper

96 100

61 126.7 87.0 161.6

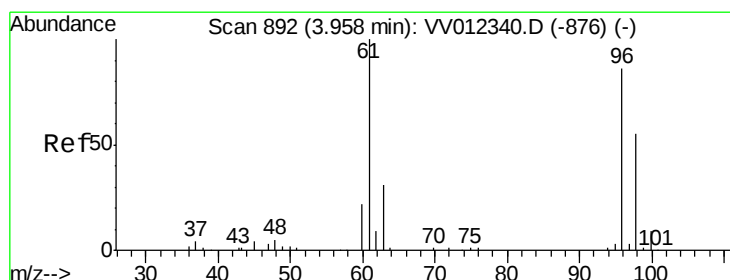
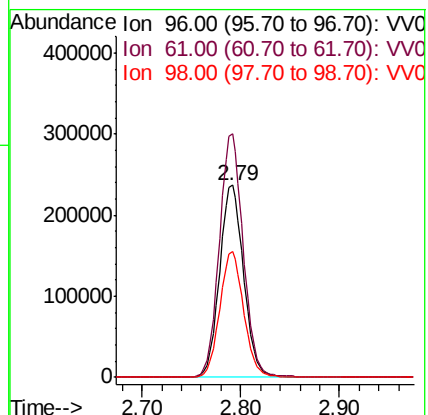
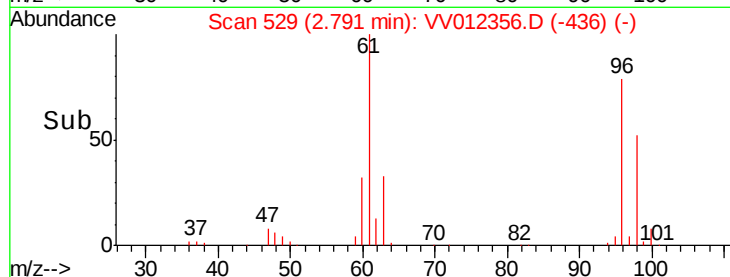
98 65.6 43.8 81.4



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: 7597.508 ug/L

RT: 3.96 min Scan# 894

Delta R.T. 0.01 min

Lab File: VV012356.D

Acq: 22 Aug 2019 18:45

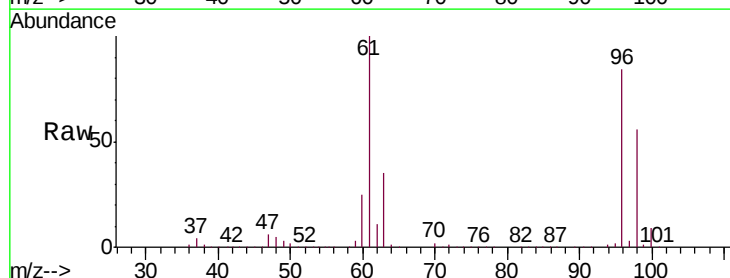
Tgt Ion: 96 Resp: 9047362

Ion Ratio Lower Upper

96 100

61 118.9 84.4 156.7

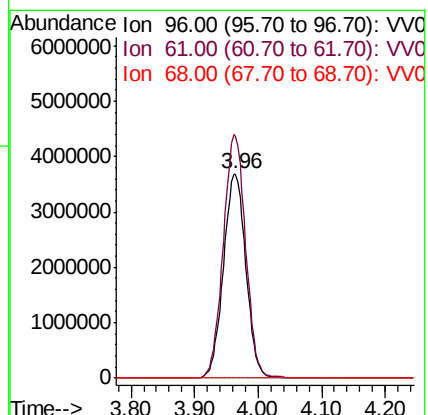
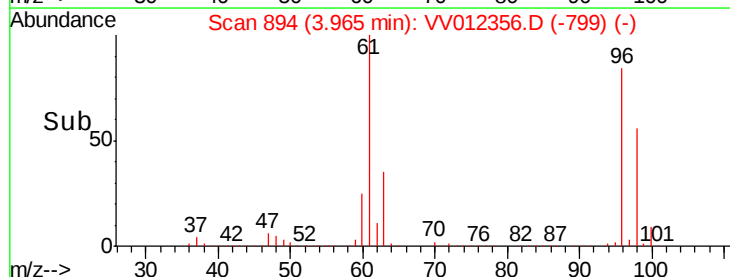
68 0.0 0.0 0.0

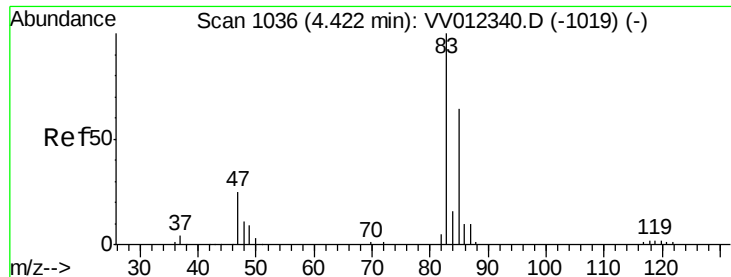


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

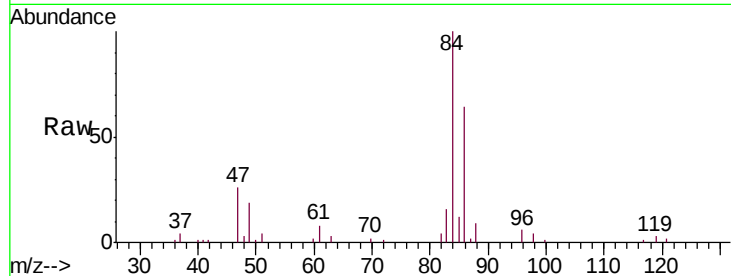




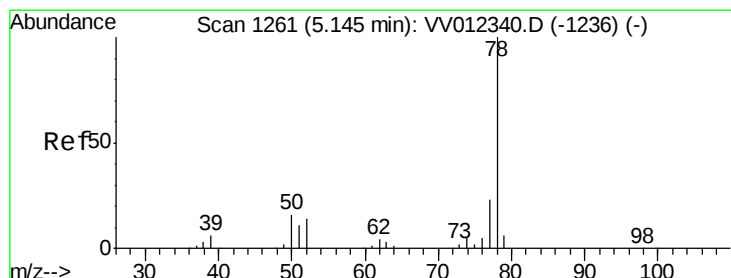
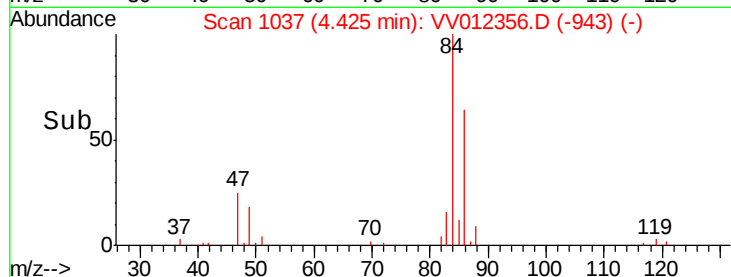
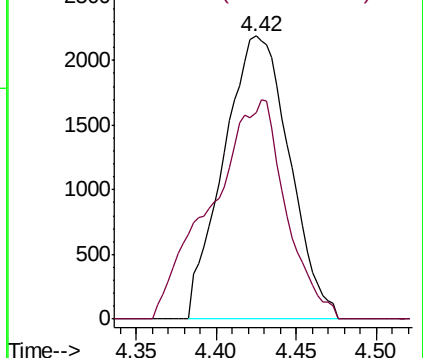
#25
Chloroform
Concen: 2.794 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV012356.D
Acq: 22 Aug 2019 18:45

Instrument :
MSVOA_V
ClientSampleId :
F2B95

Tgt Ion: 83 Resp: 6198
Ion Ratio Lower Upper
83 100
85 73.2 44.5 82.7

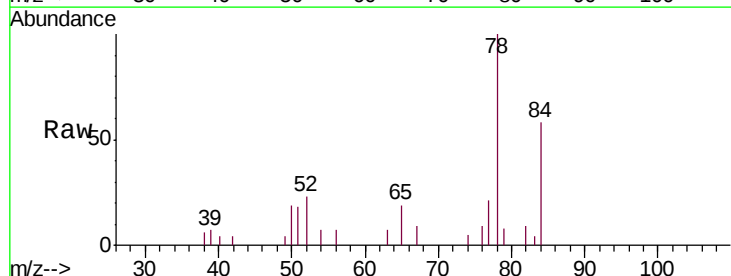


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 85.00 (84.70 to 85.70): VV0

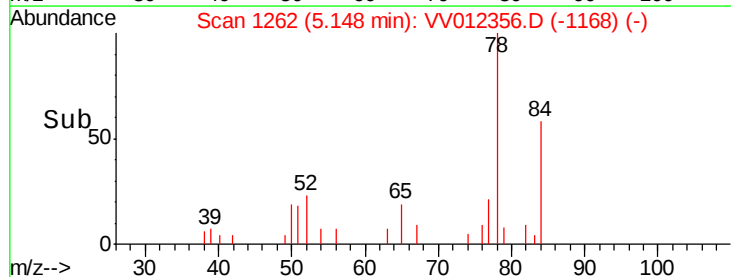
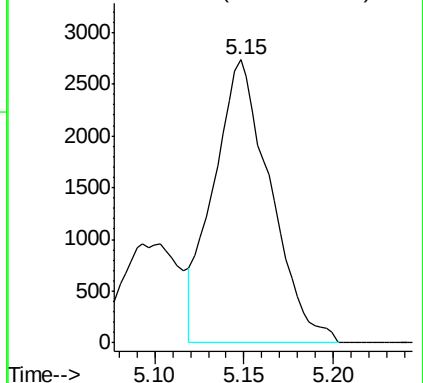


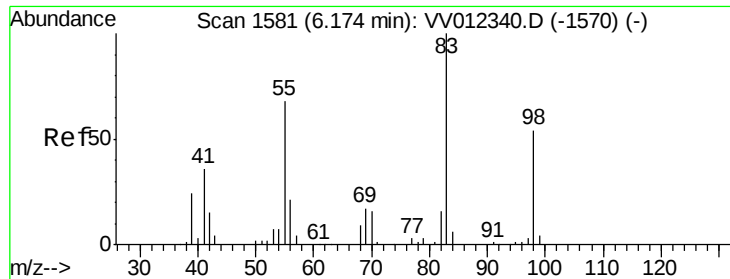
#33
Benzene
Concen: 1.404 ug/L
RT: 5.15 min Scan# 1262
Delta R.T. 0.00 min
Lab File: VV012356.D
Acq: 22 Aug 2019 18:45

Tgt Ion: 78 Resp: 6058



Abundance Ion 78.00 (77.70 to 78.70): VV0

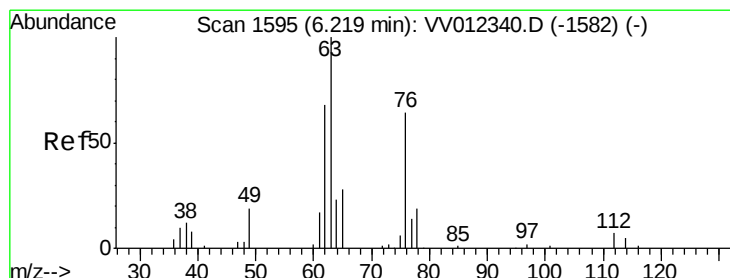
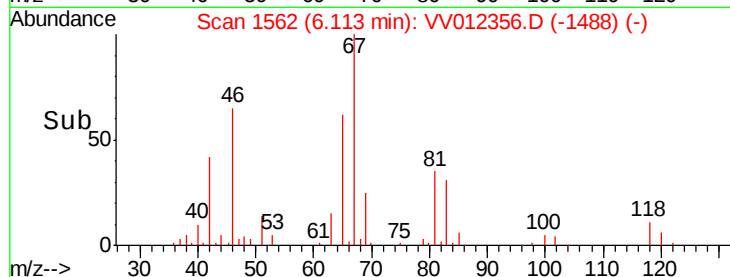
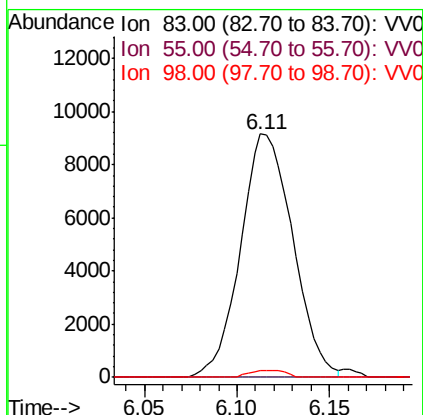
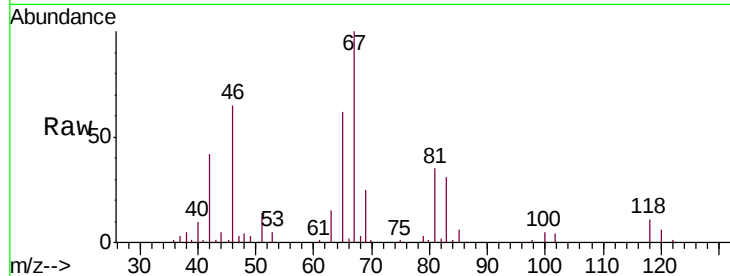




#35
Methylcyclohexane
Concen: 9.403 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV012356.D
Acq: 22 Aug 2019 18:45

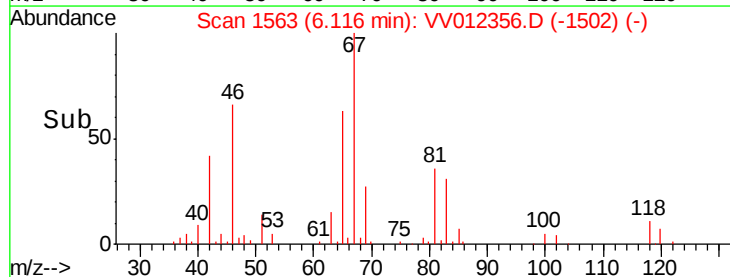
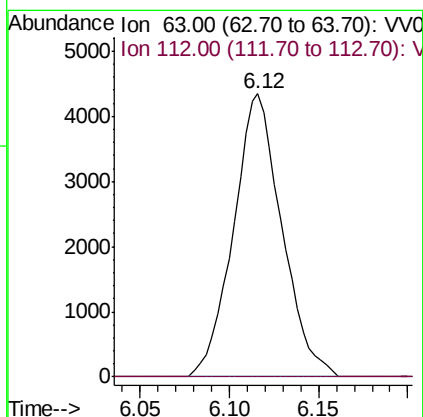
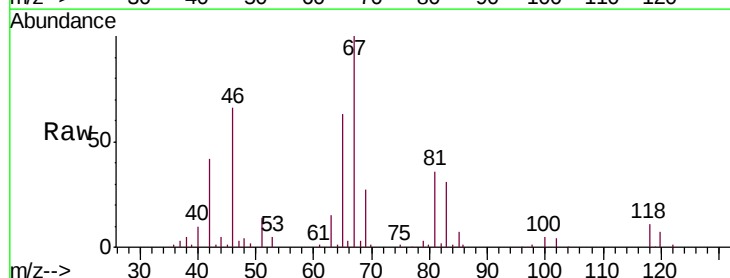
Instrument :
MSVOA_V
ClientSampleId :
F2B95

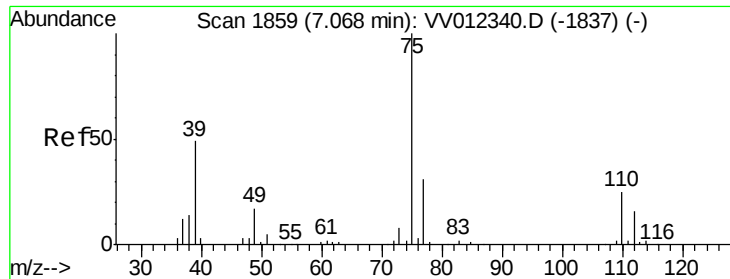
Tgt Ion: 83 Resp: 17967
Ion Ratio Lower Upper
83 100
55 0.0 56.2 84.4#
98 1.1 42.2 63.4#



#37
1,2-Dichloropropane
Concen: 8.410 ug/L
RT: 6.12 min Scan# 1563
Delta R.T. -0.10 min
Lab File: VV012356.D
Acq: 22 Aug 2019 18:45

Tgt Ion: 63 Resp: 8226
Ion Ratio Lower Upper
63 100
112 0.0 4.7 7.1#

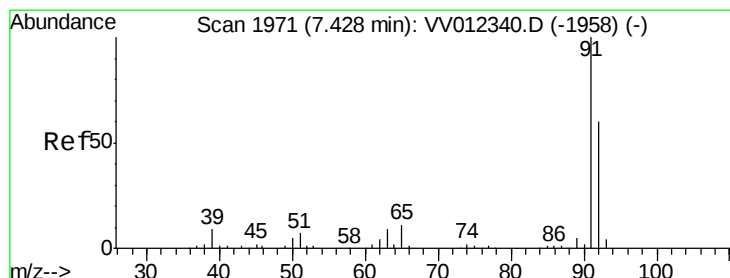
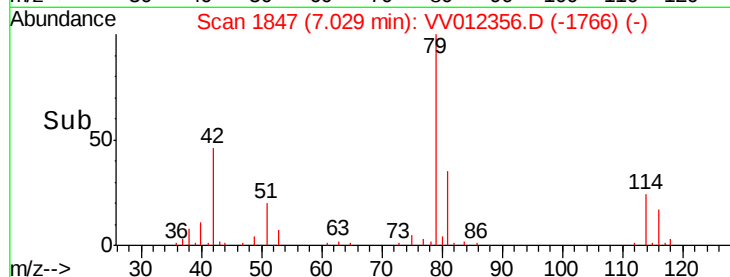
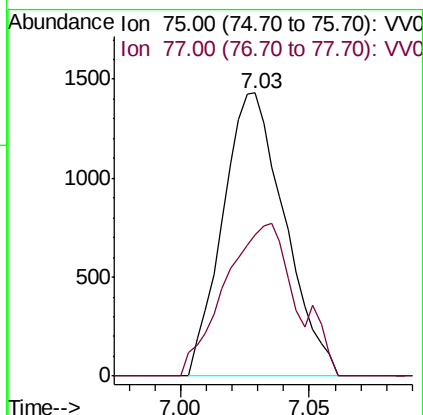
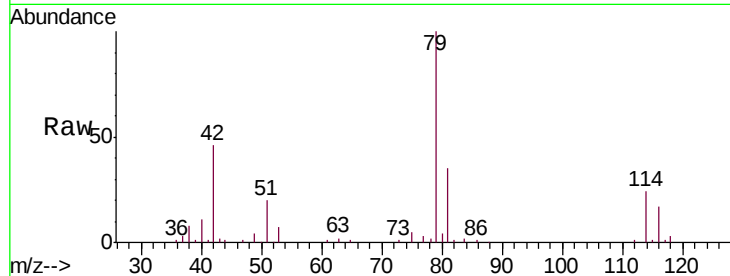




#39
 cis-1,3-Dichloropropene
 Concen: 1.318 ug/L
 RT: 7.03 min Scan# 1847
 Delta R.T. -0.04 min
 Lab File: VV012356.D
 Acq: 22 Aug 2019 18:45

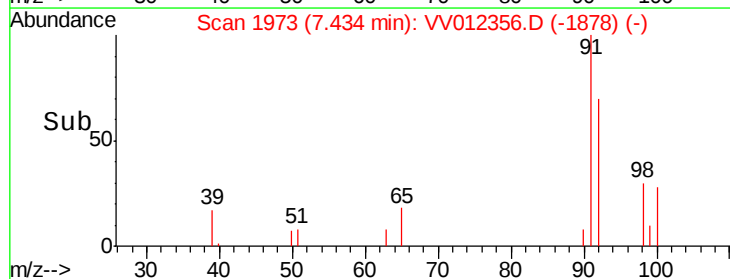
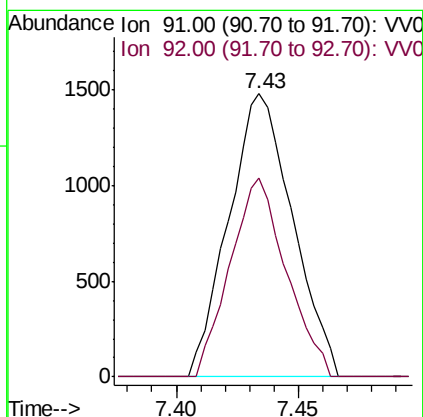
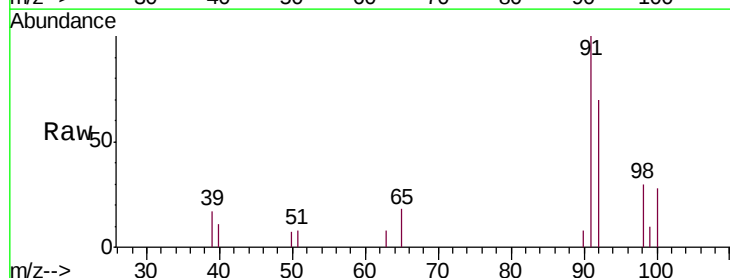
Instrument :
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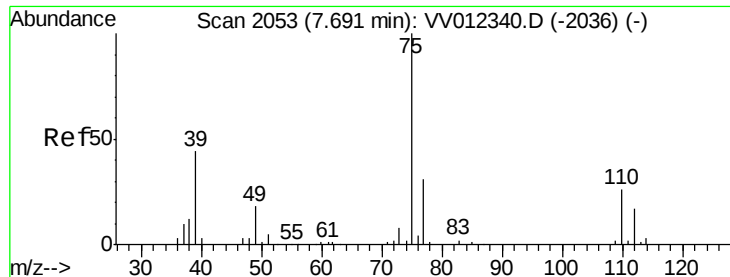
Tgt Ion: 75 Resp: 2394
 Ion Ratio Lower Upper
 75 100
 77 49.9 22.5 41.7#



#42
 Toluene
 Concen: 0.551 ug/L
 RT: 7.43 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VV012356.D
 Acq: 22 Aug 2019 18:45

Tgt Ion: 91 Resp: 2684
 Ion Ratio Lower Upper
 91 100
 92 70.4 42.4 78.6





#44

trans-1,3-Dichloropropene

Concen: 0.941 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV012356.D

Acq: 22 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

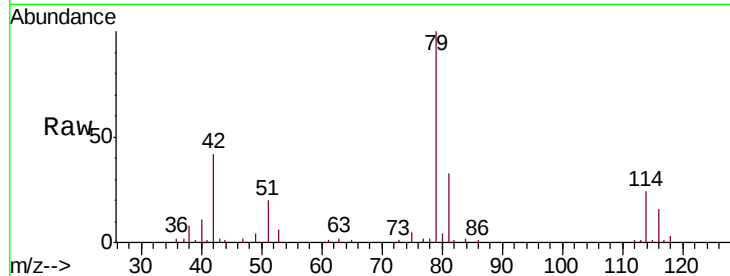
F2B95

Tgt Ion: 75 Resp: 1629

Ion Ratio Lower Upper

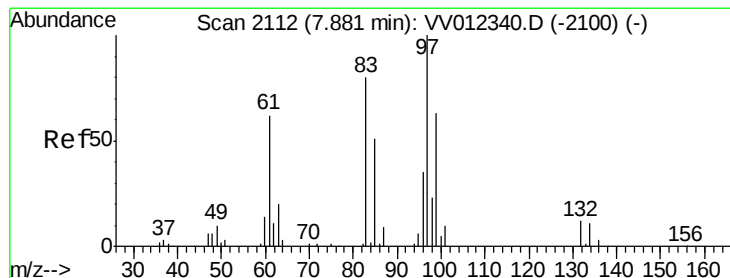
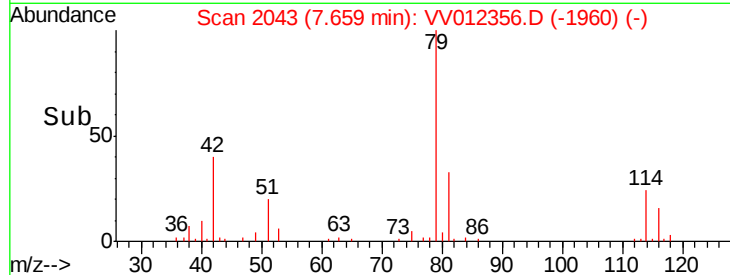
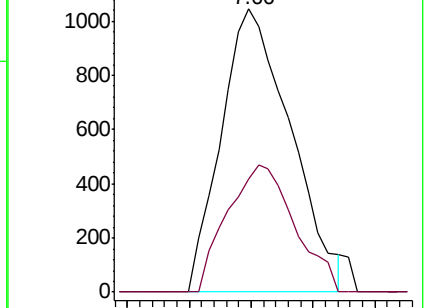
75 100

77 40.0 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV012340.D (-2036) (-)

Ion 77.00 (76.70 to 77.70): VV012340.D (-2036) (-)



#45

1,1,2-Trichloroethane

Concen: 0.507 ug/L

RT: 7.74 min Scan# 2069

Delta R.T. -0.14 min

Lab File: VV012356.D

Acq: 22 Aug 2019 18:45

Tgt Ion: 97 Resp: 573

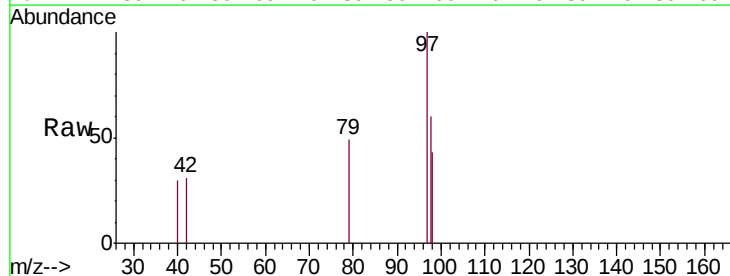
Ion Ratio Lower Upper

97 100

99 0.0 45.5 84.5#

83 0.0 58.5 108.7#

85 0.0 36.8 68.4#

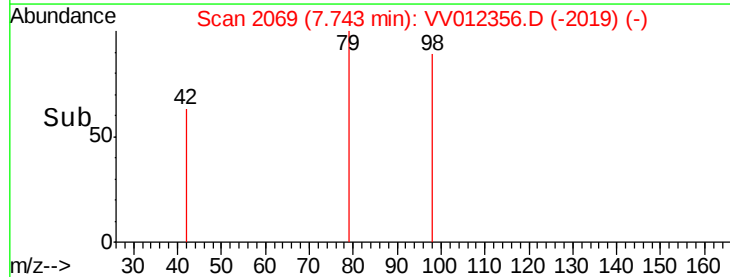
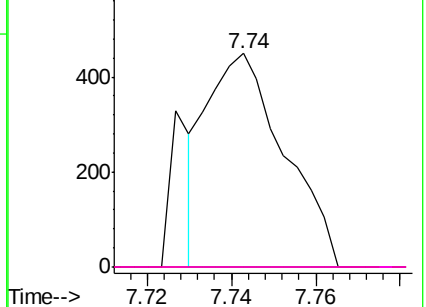


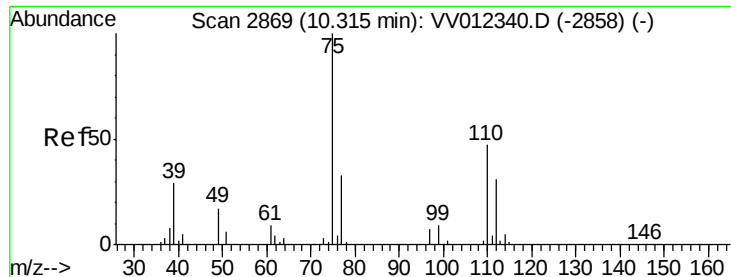
Abundance Ion 97.00 (96.70 to 97.70): VV012340.D (-2100) (-)

Ion 99.00 (98.70 to 99.70): VV012340.D (-2100) (-)

Ion 83.00 (82.70 to 83.70): VV012340.D (-2100) (-)

Ion 85.00 (84.70 to 85.70): VV012340.D (-2100) (-)





#59

1,2,3-Trichloropropane

Concen: 5.063 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.98 min

Lab File: VV012356.D

Acq: 22 Aug 2019 18:45

Instrument :

MSVOA_V

ClientSampleId :

F2B95

Tgt Ion: 75 Resp: 7057

Ion Ratio Lower Upper

75 100

77 42.4 26.8 40.2#

