

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081220\
 Data File : VV017946.D
 Acq On : 12 Aug 2020 23:47
 Operator : SY/MD
 Sample : L3644-02
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L96

Quant Time: Aug 13 06:01:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Aug 13 05:58:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	244574	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	240382	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	109793	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	81228	43.53	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	87.06%
7) Chloroethane-d5	1.58	69	73160	47.92	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.84%
11) 1,1-Dichloroethene-d2	2.12	63	124024	34.75	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.50%
21) 2-Butanone-d5	3.91	46	133444	109.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.18%
24) Chloroform-d	4.38	84	157208	46.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.56%
26) 1,2-Dichloroethane-d4	5.06	65	113562	51.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.94%
32) Benzene-d6	5.08	84	326267	49.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.50%
36) 1,2-Dichloropropane-d6	6.09	67	107507	49.64	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.28%
41) Toluene-d8	7.34	98	283198	47.53	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.06%
43) trans-1,3-Dichloropropene-	7.64	79	45644	46.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.94%
47) 2-Hexanone-d5	8.11	63	69384	99.83	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.83%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	138977	49.28	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	114249	52.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	105.74%

Target Compounds

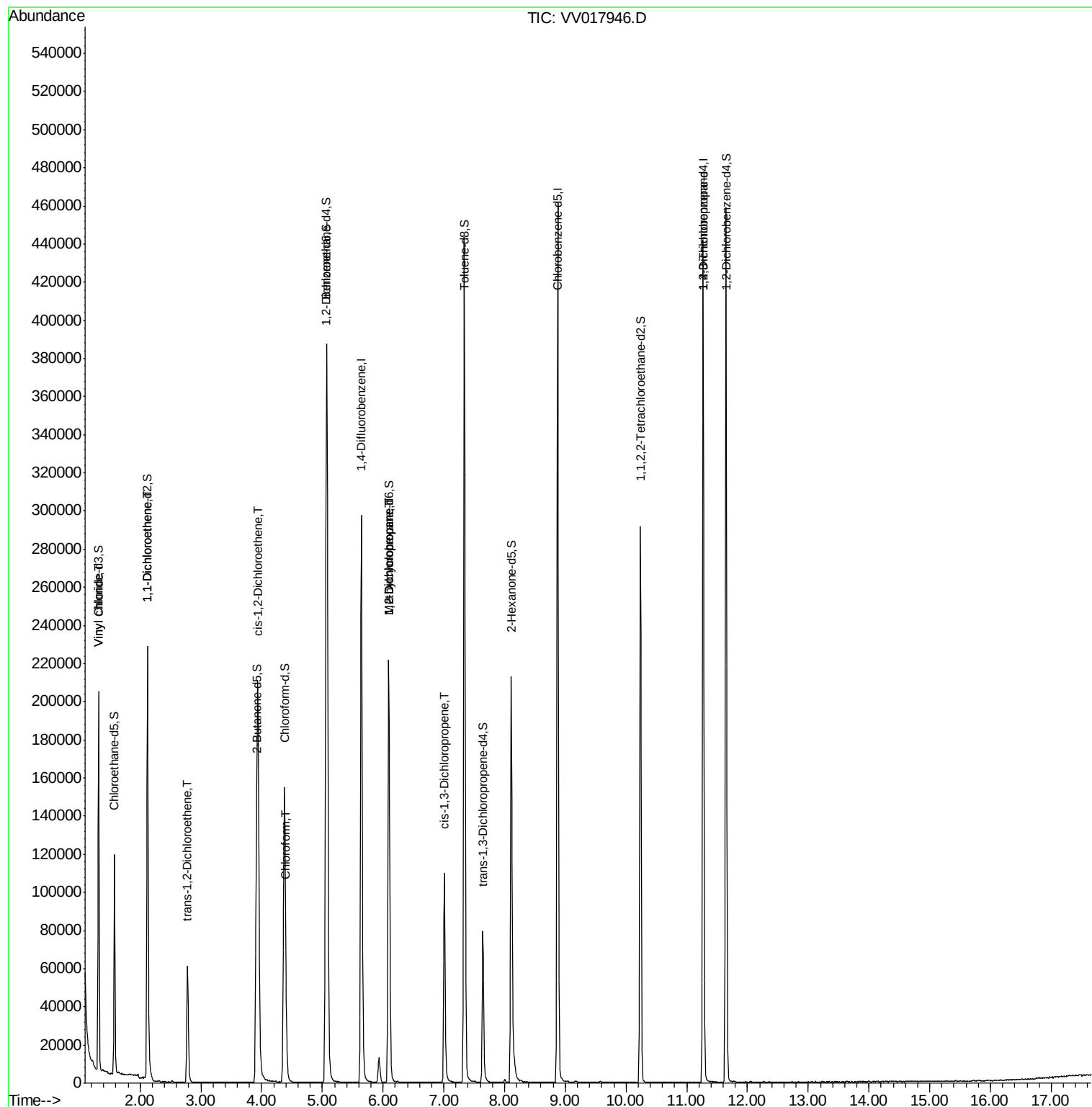
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	45938	21.139	ug/L	96
12) 1,1-Dichloroethene	2.13	96	1169	0.713	ug/L #	1
17) trans-1,2-Dichloroethene	2.78	96	22683	13.450	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	99854	53.881	ug/L	98
25) Chloroform	4.41	83	8555	2.473	ug/L	97
35) Methylcyclohexane	6.09	83	25028	8.562	ug/L #	17
37) 1,2-Dichloropropane	6.10	63	11915	5.875	ug/L #	87
39) cis-1,3-Dichloropropene	7.01	75	2617	0.910	ug/L #	64
59) 1,2,3-Trichloropropane	11.27	75	13288	5.305	ug/L #	88

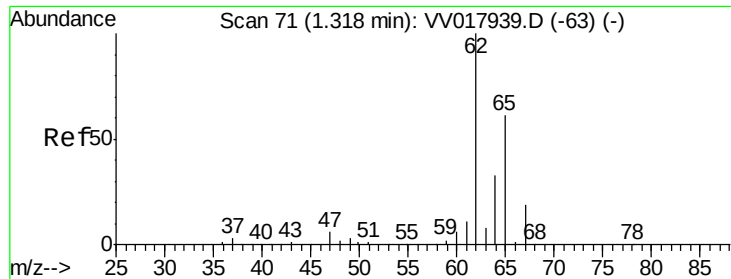
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : VOC Analysis
QLast Update : Thu Aug 13 05:58:58 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 21.139 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017946.D

Acq: 12 Aug 2020 23:47

Instrument :

MSVOA_V

ClientSampled :

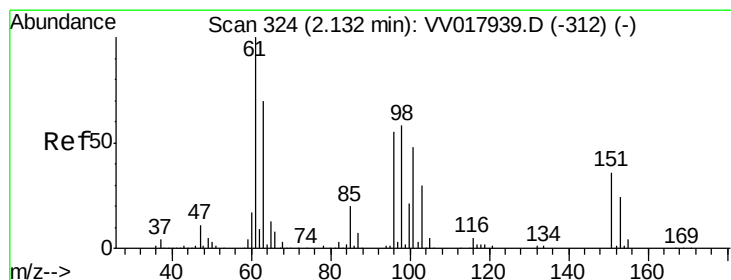
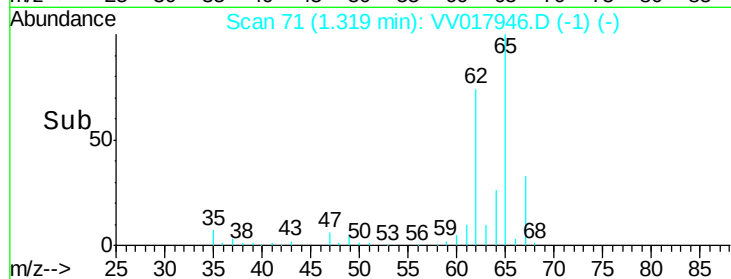
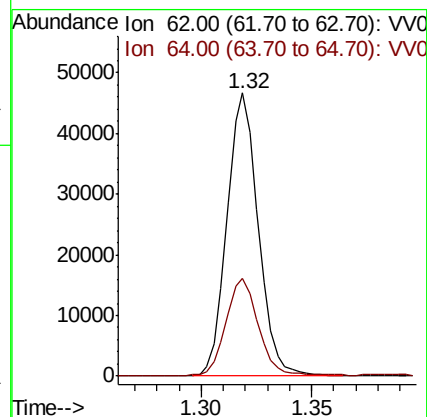
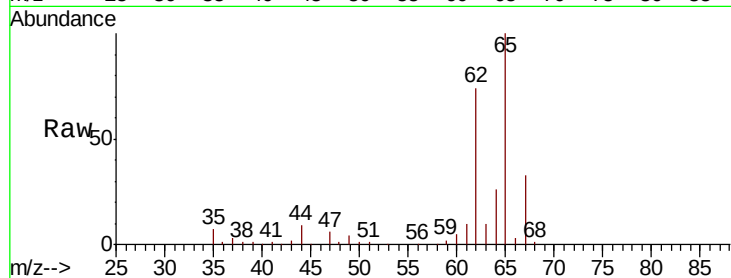
F2L96

Tot Ion: 62 Resp: 45938

Ion Ratio Lower Upper

62 100

64 34.3 22.4 41.6



#12

1,1-Dichloroethene

Concen: 0.713 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV017946.D

Acq: 12 Aug 2020 23:47

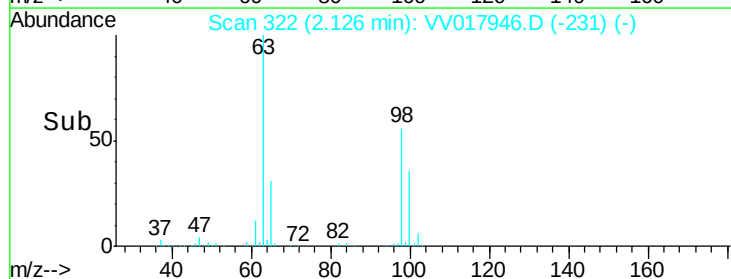
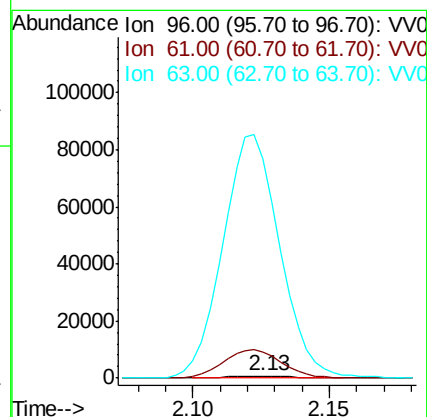
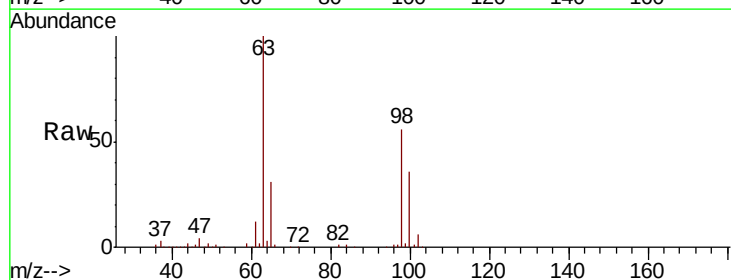
Tgt Ion: 96 Resp: 1169

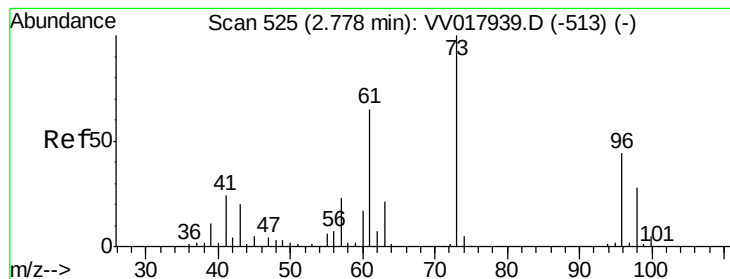
Ion Ratio Lower Upper

96 100

61 1475.0 127.1 236.0#

63 12242.4 95.2 176.8#





#17

trans-1,2-Dichloroethene

Concen: 13.450 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017946.D

Acq: 12 Aug 2020 23:47

Instrument :

MSVOA_V

ClientSampled :

F2L96

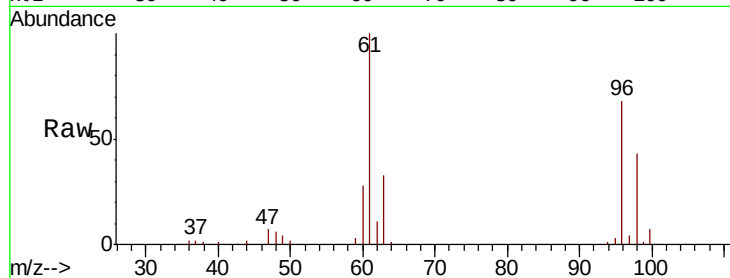
Tot Ion: 96 Resp: 22683

Ion Ratio Lower Upper

96 100

61 148.0 102.4 190.2

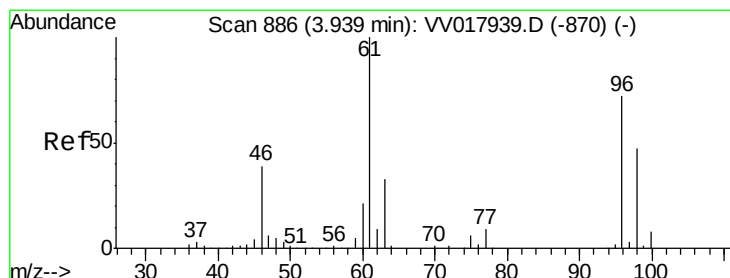
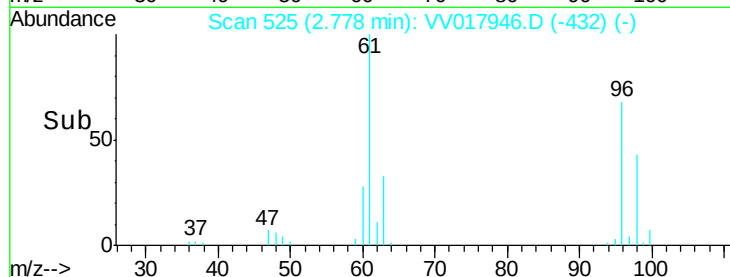
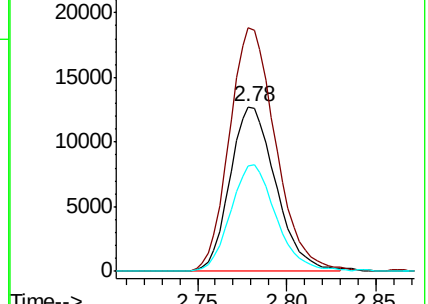
98 63.8 44.4 82.5



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: 53.881 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017946.D

Acq: 12 Aug 2020 23:47

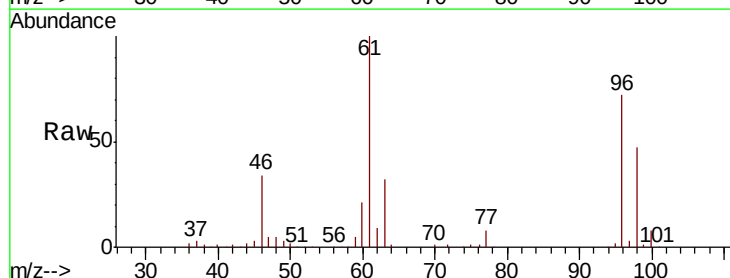
Tgt Ion: 96 Resp: 99854

Ion Ratio Lower Upper

96 100

61 138.4 95.0 176.4

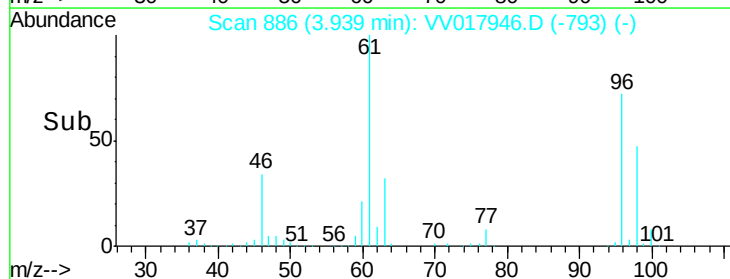
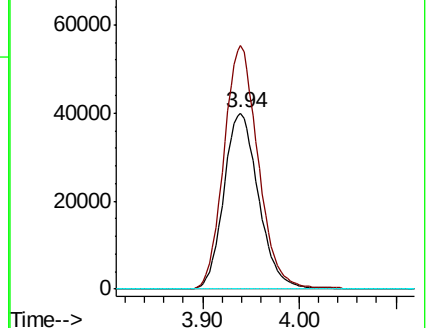
68 0.0 0.0 0.0

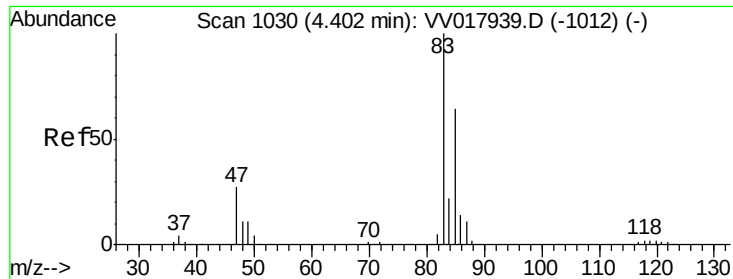


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

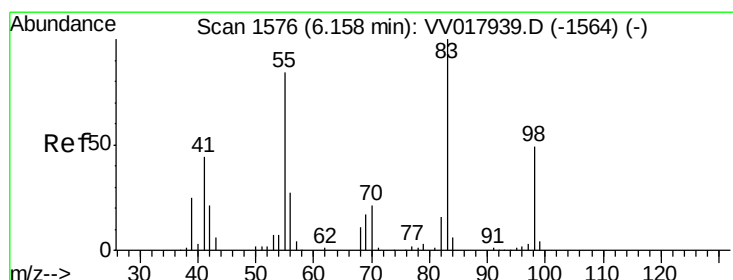
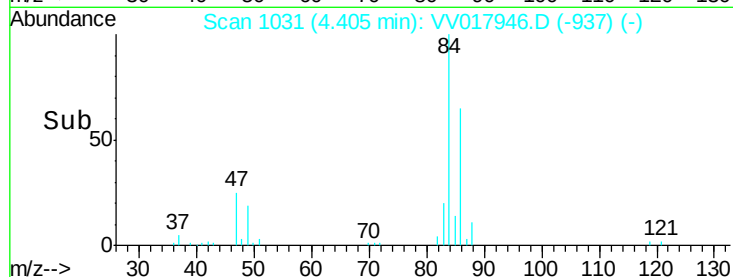
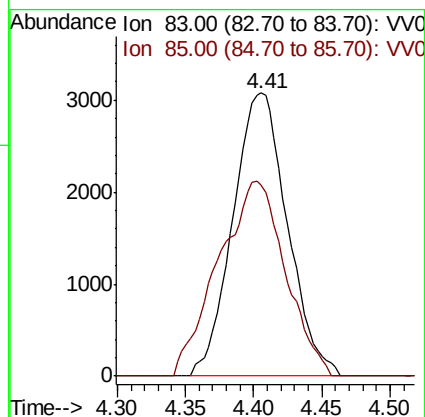
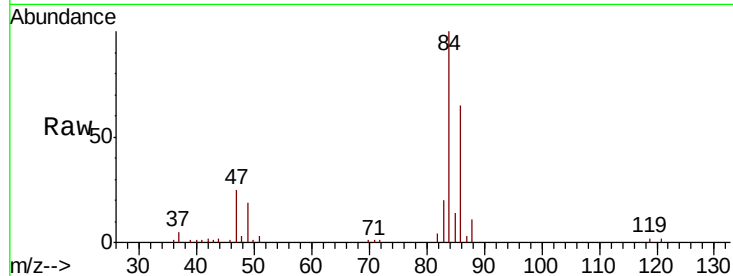




#25
Chloroform
Concen: 2.473 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017946.D
Acq: 12 Aug 2020 23:47

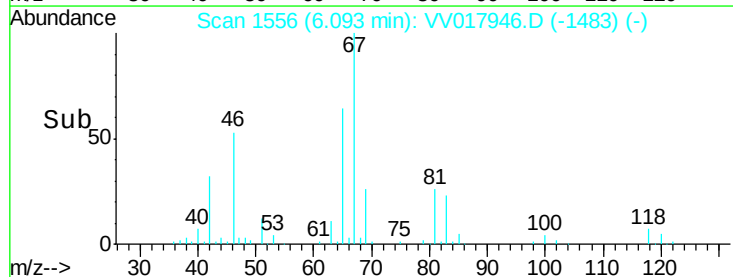
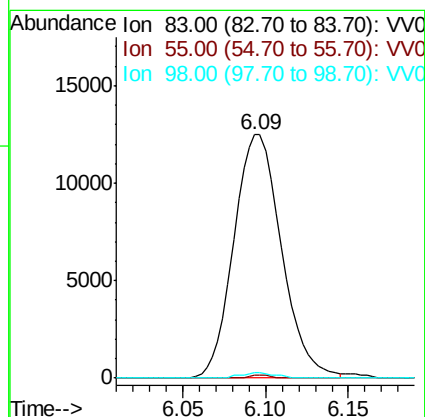
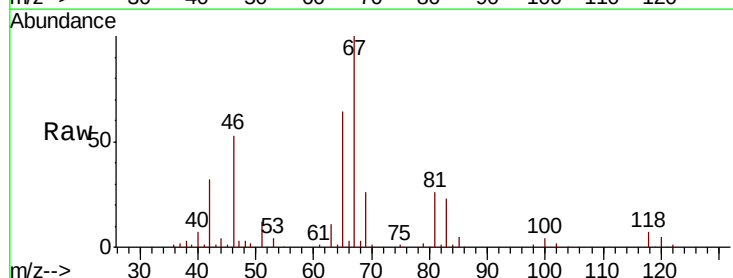
Instrument :
MSVOA_V
ClientSampleId :
F2L96

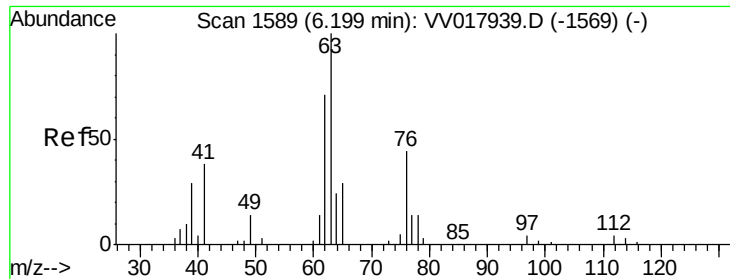
Tot Ion: 83 Resp: 8555
Ion Ratio Lower Upper
83 100
85 67.7 45.5 84.5



#35
Methylcyclohexane
Concen: 8.562 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017946.D
Acq: 12 Aug 2020 23:47

Tgt Ion: 83 Resp: 25028
Ion Ratio Lower Upper
83 100
55 0.5 64.9 97.3#
98 1.5 38.7 58.1#

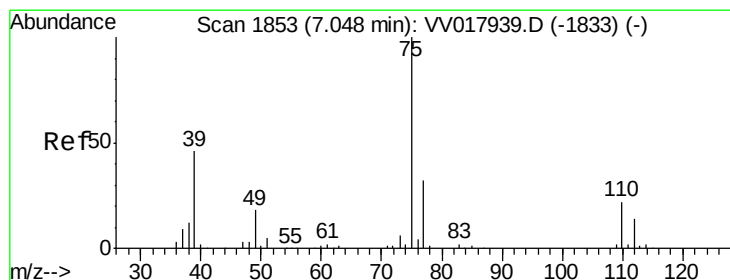
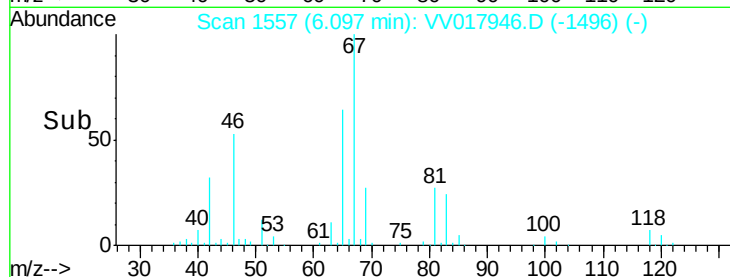
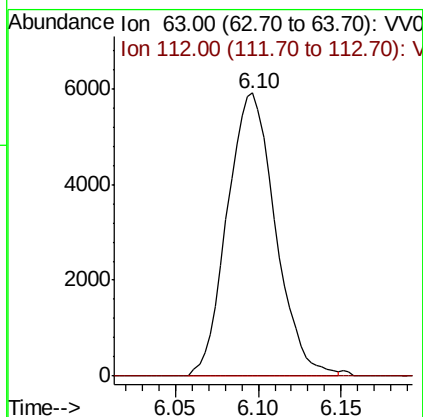
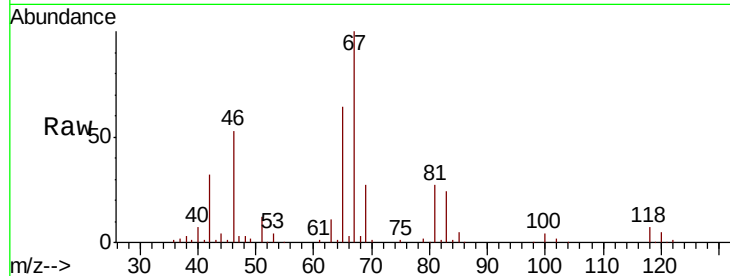




#37
 1,2-Dichloropropane
 Concen: 5.875 ug/L
 RT: 6.10 min Scan# 1557
 Delta R.T. -0.10 min
 Lab File: VV017946.D
 Acq: 12 Aug 2020 23:47

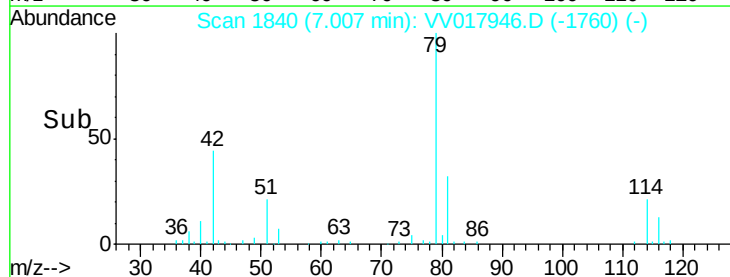
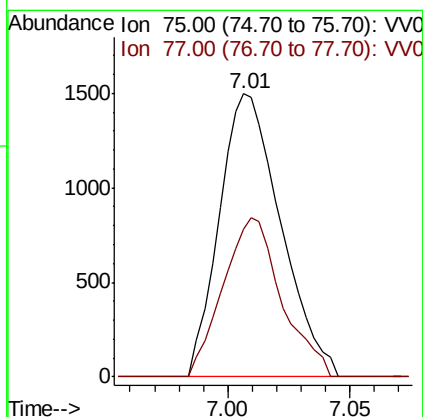
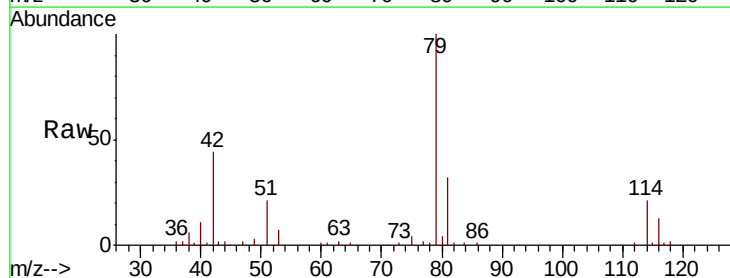
Instrument :
 MSVOA_V
 ClientSampled :
 F2L96

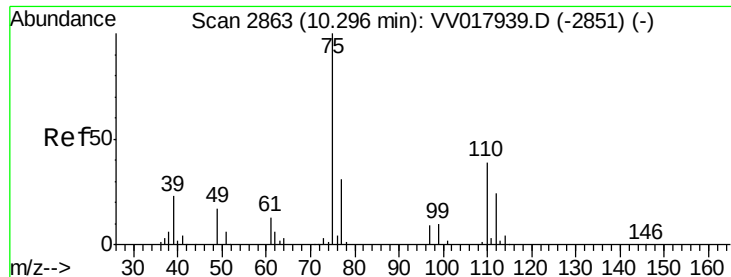
Tot Ion: 63 Resp: 11915
 Ion Ratio Lower Upper
 63 100
 112 0.0 3.5 5.3#



#39
 cis-1,3-Dichloropropene
 Concen: 0.910 ug/L
 RT: 7.01 min Scan# 1840
 Delta R.T. -0.04 min
 Lab File: VV017946.D
 Acq: 12 Aug 2020 23:47

Tgt Ion: 75 Resp: 2617
 Ion Ratio Lower Upper
 75 100
 77 52.0 22.3 41.5#





#59
 1,2,3-Trichloropropane
 Concen: 5.305 ug/L
 RT: 11.27 min Scan# 3166
 Delta R.T. 0.97 min
 Lab File: VV017946.D
 Acq: 12 Aug 2020 23:47

Instrument :
 MSVOA_V
 ClientSampleId :
 F2L96

Tot Ion: 75 Resp: 13288
 Ion Ratio Lower Upper
 75 100
 77 38.7 25.7 38.5#

